N00296.001378
MOFFETT FIELD
SSIC NO. 5090.3

CLEAN

Contract Number N62474-88-D-5086

Contract Task Order 0134

Navy Engineer-in-Charge: Stephen Chao

PRC Project Manager: Joshua D. Marvil

NAVAL AIR STATION
MOFFETT FIELD, CALIFORNIA

SITE 9
FIELD INVESTIGATION
TECHNICAL MEMORANDUM

VOLUME II
APPENDICES

Prepared by

PRC ENVIRONMENTAL MANAGEMENT, INC.
1099 18th Street, Suite 1960
Denver, Colorado 80202
303/295-1101

April 15, 1992

1378

N00296.001378
MOFFETT FIELD
SSIC NO. 5090.3

FINAL
FIELD INVESTIGATION
TECHNICAL MEMORANDUM

DATED 15 APRIL 1992

THIS RECORD CONTAINS MULTIPLE VOLUMES
WHICH HAVE BEEN ENTERED SEPARATELY

VOLUME I OF II IS FILED AS ADMINISTRATIVE
RECORD NO. **N00246.001377**

LIST OF APPENDICES

Volume II

Appendix

A SOIL GAS SURVEY DATA SUMMARY

B CONE PENETROMETER TEST LOGS

C SOIL BORING LOGS AND WELL COMPLETION RECORDS

D SOIL SAMPLE ANALYTICAL DATA

E GROUND-WATER SAMPLE ANALYTICAL DATA

F AQUIFER TEST DATA

G LABORATORY QUALITY ASSURANCE DATA REVIEW

H RATIOS OF CHLORINATED VOCs IN GROUND WATER

I ~~GEOLOGIC~~ CHANNEL CORRELATION DIAGRAMS

APPENDIX A

SOIL GAS SURVEY DATA SUMMARY

TABLE A-1

NAS MOFFETT FIELD - SITE 9
SOIL GAS SURVEY RESULTS - CHLORINATED VOCS

Sample	Sample Depth (Feet BLS)	Flow Rate (L/min)	CH_2CL_2 (ppmv)	1,1-DCE (ppmv)	1,1-DCA (ppmv)	1,2-DCE (ppmv)	$CHCL_3$ (ppmv)	F-113 (ppmv)	1,1,1-TCA (ppmv)	CCL_4 (ppmv)	TCE (ppmv)	PCE (ppmv)
ambient air	-	-	<0.1	<0.001	<0.1	<0.1	<0.001	0.0004	0.001	0.0002	<0.0004	0.002
101	5	0.7	<0.1	<0.001	<0.1	<0.1	<0.001	<0.0002	0.0004	<0.0001	0.01	<0.0002
102	5	45	<0.1	0.06	<0.1	2	<0.001	0.2	0.07	<0.0001	4	0.03
103	5	45	<0.1	0.1	<0.1	1	<0.001	0.1	0.07	<0.0001	8	0.1
104	5	1.5	<0.1	0.02	<0.1	0.3	<0.001	0.004	0.002	0.0001	0.5	0.03
105	5	45	<0.1	<0.001	<0.1	<0.1	0.006	0.001	0.002	0.0001	0.02	0.004
106	5	1.7	<0.1	<0.001	<0.1	<0.1	<0.001	0.0003	0.001	0.0002	0.03	0.01
107	5	0.3	<0.1	<0.001	<0.1	<0.1	<0.001	0.02	0.01	<0.0001	0.2	<0.0002
108	5	13	<0.1	<0.001	<0.1	<0.1	<0.001	0.0008	0.006	0.0001	0.3	0.007
109	3	0.1	<0.1	<0.001	<0.1	<0.1	<0.001	0.006	0.005	<0.0001	0.3	<0.0002
110	5	0.8	<0.1	0.003	<0.1	<0.1	<0.001	0.03	0.02	<0.0001	1	0.004
111	5	1.6	<0.1	2	6	20	<0.001	14	4	<0.0001	140	0.7
112	5	45	<0.1	0.4	<0.1	2	<0.001	0.2	0.6	<0.0001	16	0.02
113	5	0.5	<0.1	<0.001	<0.1	<0.1	<0.001	<0.0002	0.0005	0.0001	0.0005	<0.0002
114	5	9.0	<0.1	7	12	55	<0.001	17	4	<0.0001	260	2
115	NO SAMPLE											
116	NO SAMPLE											
117	4	0.2	<0.1	<0.001	<0.1	<0.1	<0.001	0.006	0.005	0.0002	0.08	0.002
118	3	45	<0.1	<0.001	<0.1	<0.1	<0.001	<0.0002	0.0005	<0.0001	0.008	0.001

TABLE A-1 (continued)

NAS MOFFETT FIELD - SITE 9
SOIL GAS SURVEY RESULTS - CHLORINATED VOCS

Sample	Sample Depth (Feet BLS)	Flow Rate (L/min)	CH_2CL_2 (ppmv)	1,1-DCE (ppmv)	1,1-DCA (ppmv)	1,2-DCE (ppmv)	$CHCL_3$ (ppmv)	F-113 (ppmv)	1,1,1-TCA (ppmv)	CCL_4 (ppmv)	TCE (ppmv)	PCE (ppmv)
119	8	0.9	0.01	2	23	49	<0.001	4	2	0.04	15	0.1
120	5	45	<0.1	1	<0.1	<0.1	<0.001	2	3	<0.0001	75	0.4
121	5	6.4	<0.1	<0.001	<0.1	<0.1	<0.001	0.8	1	<0.0001	25	0.4
122	5	45	<0.1	<0.001	<0.1	<0.1	<0.001	8	2	<0.0001	71	0.4
123	NO SAMPLE											
124	5	10	<0.1	4	<0.1	<0.1	<0.001	13	4	<0.0001	27	1
125	6	45	<0.1	2	4	17	<0.001	4	3	<0.0001	110	6

-	Below detection limit
L/min	Liters per minute
ppmv	Parts per million by volume
CH_2CL_2	Methylene chloride
1,1-DCE	1,1-Dichloroethene
1,1-DCA	1,1-Dichloroethane
1,2-DCE	cis and trans 1,2-Dichloroethene
$CHCL_3$	Chloroform
F-113	Freon 113 (trichlorotrifluoroethane)
CCL_4	Carbon tetrachloride

TABLE A-2

NAS MOFFETT FIELD - SITE 9
SOIL GAS SURVEY RESULTS - HYDROCARBONS AND FIXED GASES

Sample	Sample Depth (Feet BLS)	Flow Rate (L/min)	Vinyl Chloride (ppmv)	Benzene (ppmv)	Toluene (ppmv)	Ethyl benzene (ppmv)	O-Xylene (ppmv)	TVH (ppmv)	CH_4 (ppmv)	CO_2 (percent)	O_2 (percent)	N_2 (percent)	CO_2/O_2 (ratio)
ambient air	-	-	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<5	<0.1	20.8	79.2	0
101	5	0.7	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<5	<0.1	21.3	78.7	0
102	5	45	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<5	1.1	18.5	80.4	0.06
103	5	45	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<5	0.6	17.5	81.9	0.03
104	5	1.5	<1	<0.1	<0.1	<0.1	<0.1	<0.1	17	0.4	20.6	79.0	0.02
105	5	45	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<5	0.5	20.4	79.1	0.02
106	5	1.7	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<5	<0.1	18.1	81.8	0
107	5	0.3	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<5	<0.1	18.9	81.1	0
108	5	13	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<5	0.3	21.0	78.7	0.01
109	3	0.1	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<5	<0.1	20.1	79.9	0
110	5	0.8	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<5	<0.1	20.2	79.8	0
111	5	1.6	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<5	7.2	5.5	87.3	1.3
112	5	45	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<5	1.2	15.9	82.9	0.08
113	5	0.5	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<5	<0.1	21.4	78.6	0
114	5	9.0	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<5	3.3	10.6	86.0	0.3
115	NO SAMPLE												
116	NO SAMPLE												
117	4	0.2	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<5	<0.1	20.2	79.8	0
118	3	45	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<5	0.2	19.3	80.6	0.01

TABLE A-2 (continued)

NAS MOFFETT FIELD - SITE 9
SOIL GAS SURVEY RESULTS - HYDROCARBONS AND FIXED GASES

Sample	Sample Depth (Feet BLS)	Flow Rate (L/min)	Vinyl Chloride (ppmv)	Benzene (ppmv)	Toluene (ppmv)	Ethyl benzene (ppmv)	O-Xylene (ppmv)	TVH (ppmv)	CH_4 (ppmv)	CO_2 (percent)	O_2 (percent)	N_2 (percent)	CO_2/O_2 (ratio)
119	8	0.9	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	200	1.8	16.8	81.3	0.1
120	5	45	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	13	3.2	16.7	80.1	0.2
121	5	6.4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<5	2.9	13.2	83.8	0.2
122	5	45	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<5	4.1	13.9	82.0	0.3
123	NO SAMPLE												
124	5	10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	8	4.5	12.3	83.2	0.4
125	6	45	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<5	3.4	15.2	81.4	0.2

L/min Liters per minute
ppmv Parts per million by volume
ratio Ratio of percent carbon dioxide to percent oxygen
TVH Total volatile hydrocarbons
CH_4 Methane
CO_2 Carbon dioxide
O_2 Oxygen
N_2 Nitrogen

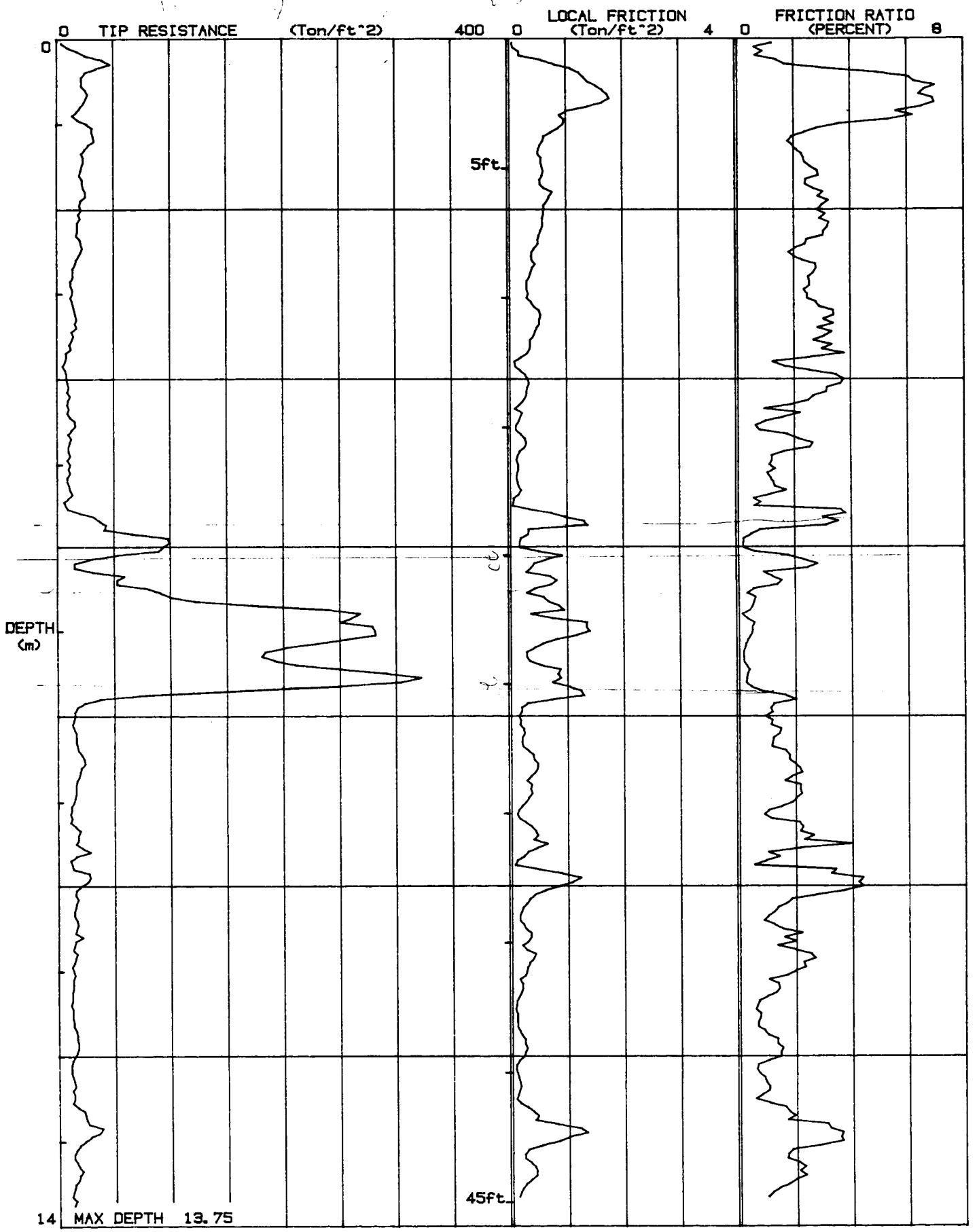
APPENDIX B

CONE PENETROMETER TEST LOGS

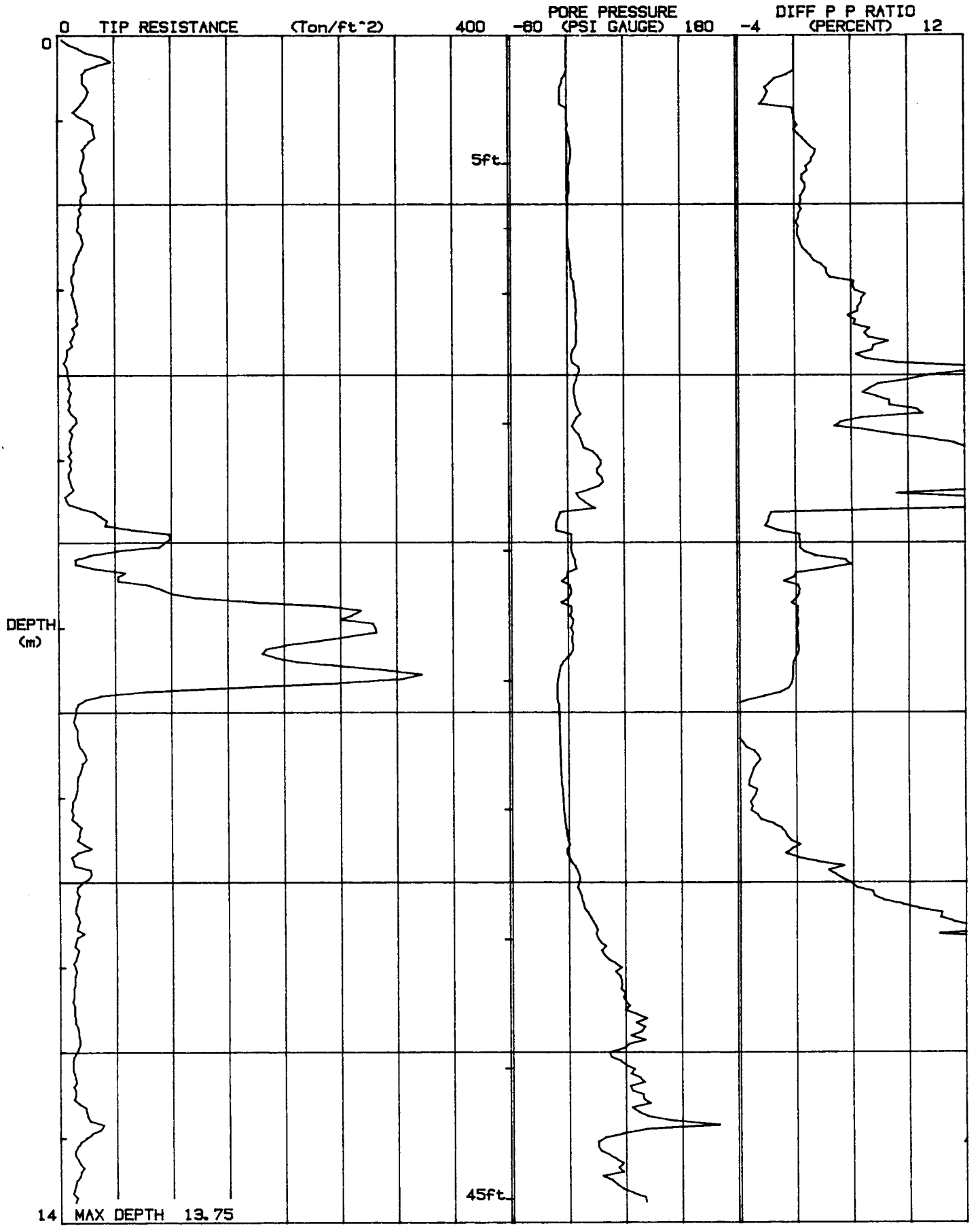
SITE 9

SITE-WIDE CPT LOGS

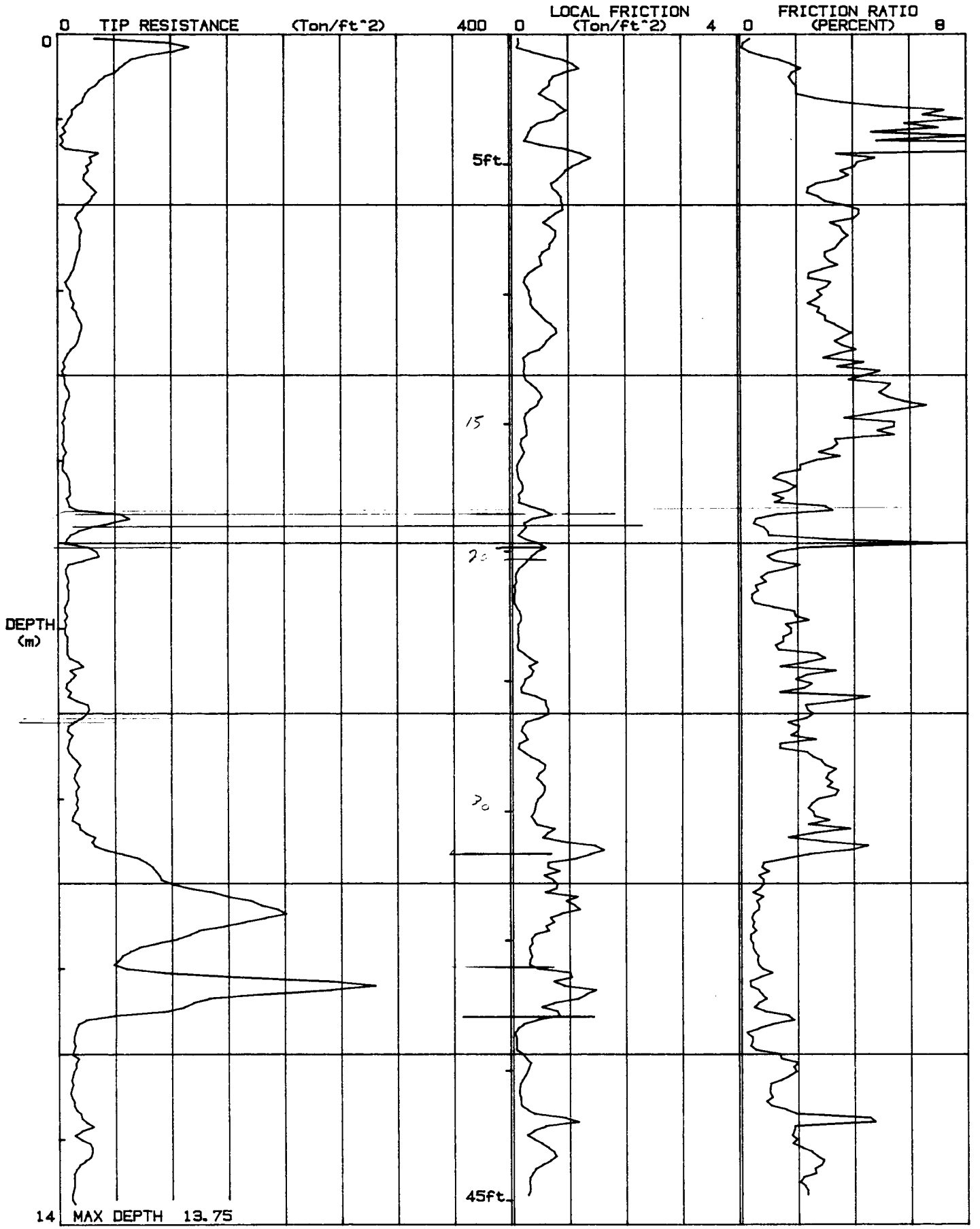
JOB # : 044-0134IRSCF9
DATE : 07/11/91 08:15
LOCATION : CPT-09-1
FILE : 15



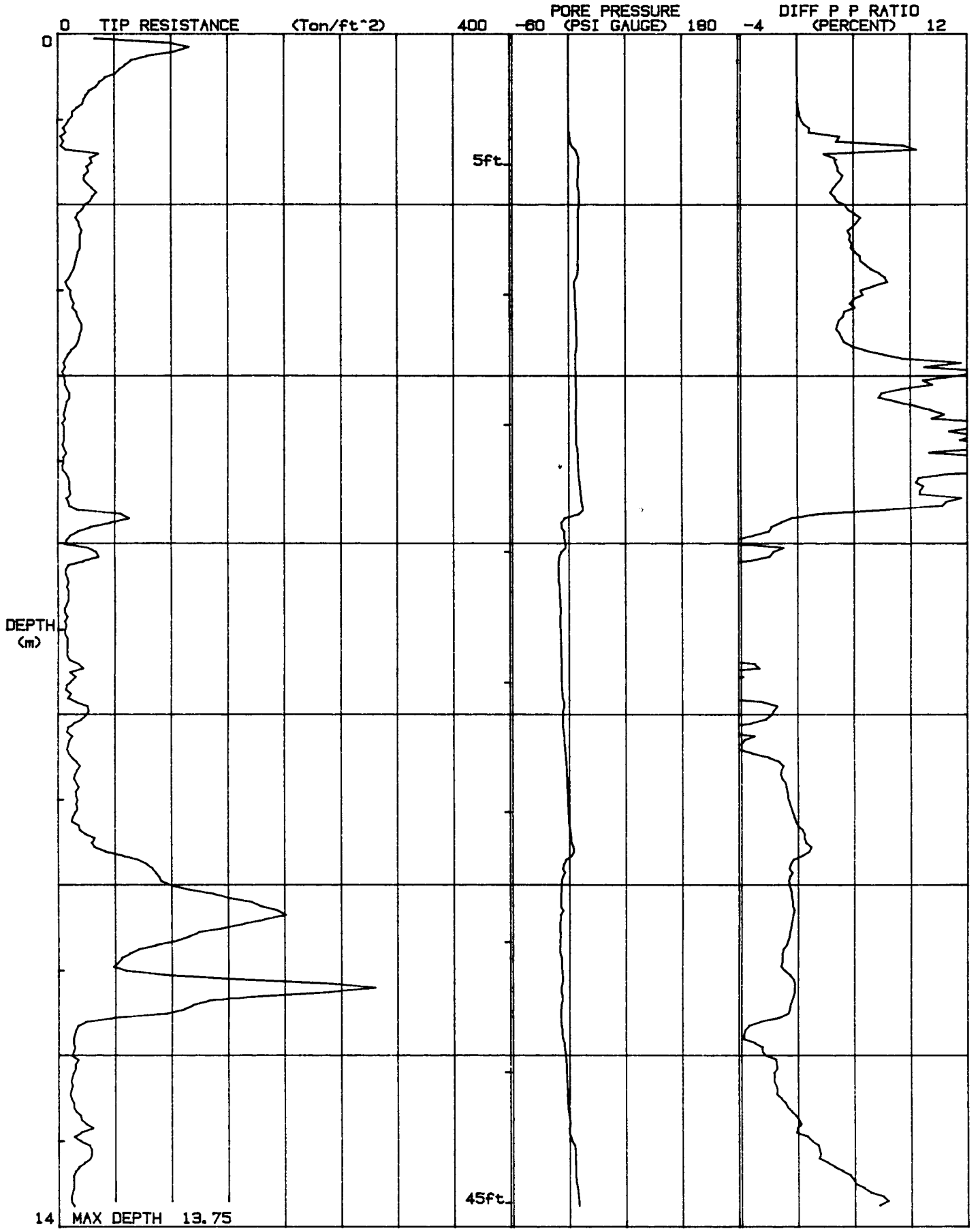
JOB # : 044-0134IRSCF9
DATE : 07/11/91 08:15
LOCATION : CPT-09-1
FILE : 15



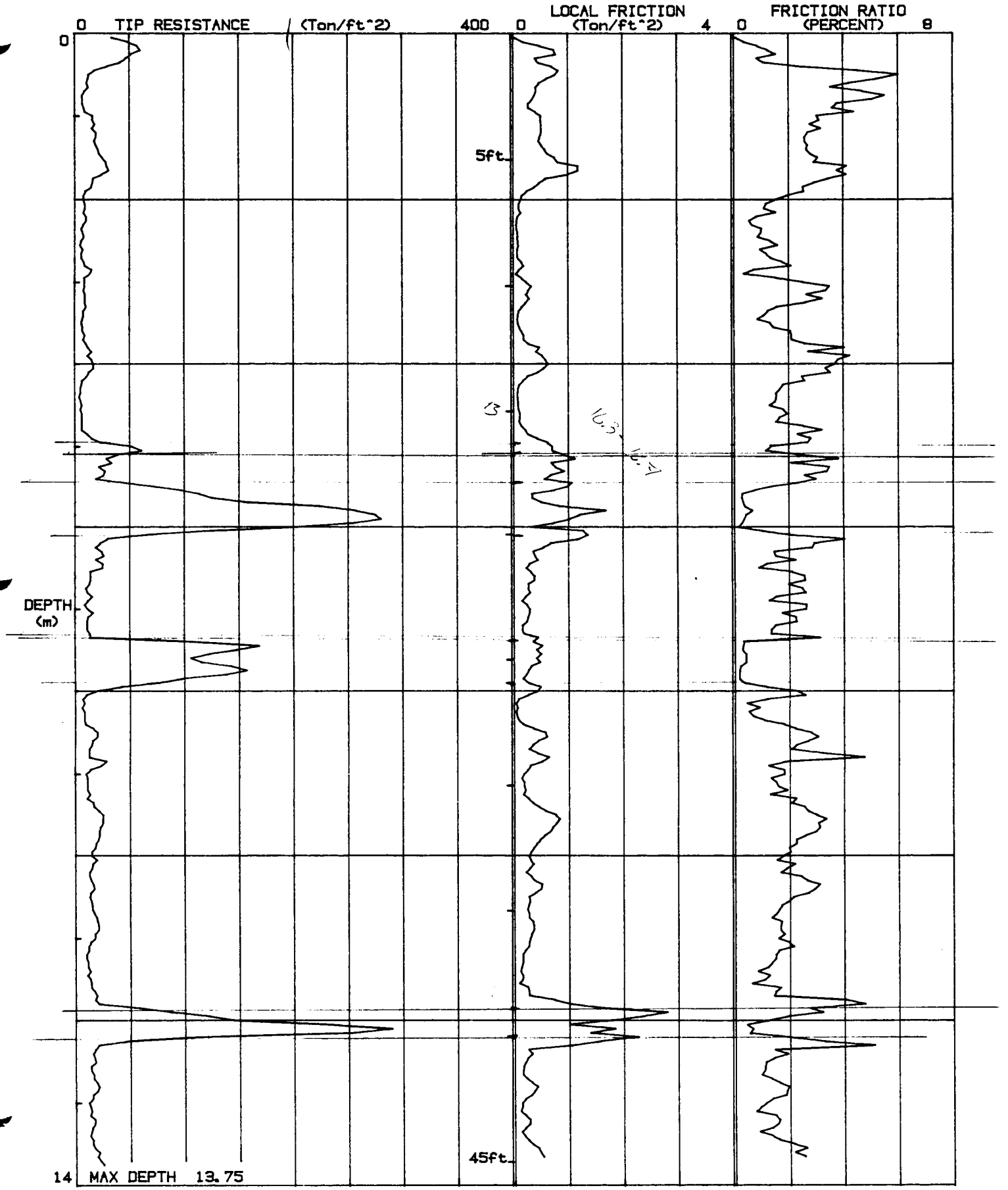
JOB # : 044-0134IRSCF9
DATE : 07/10/91 11:30
LOCATION : CPT-09-2
FILE : 10



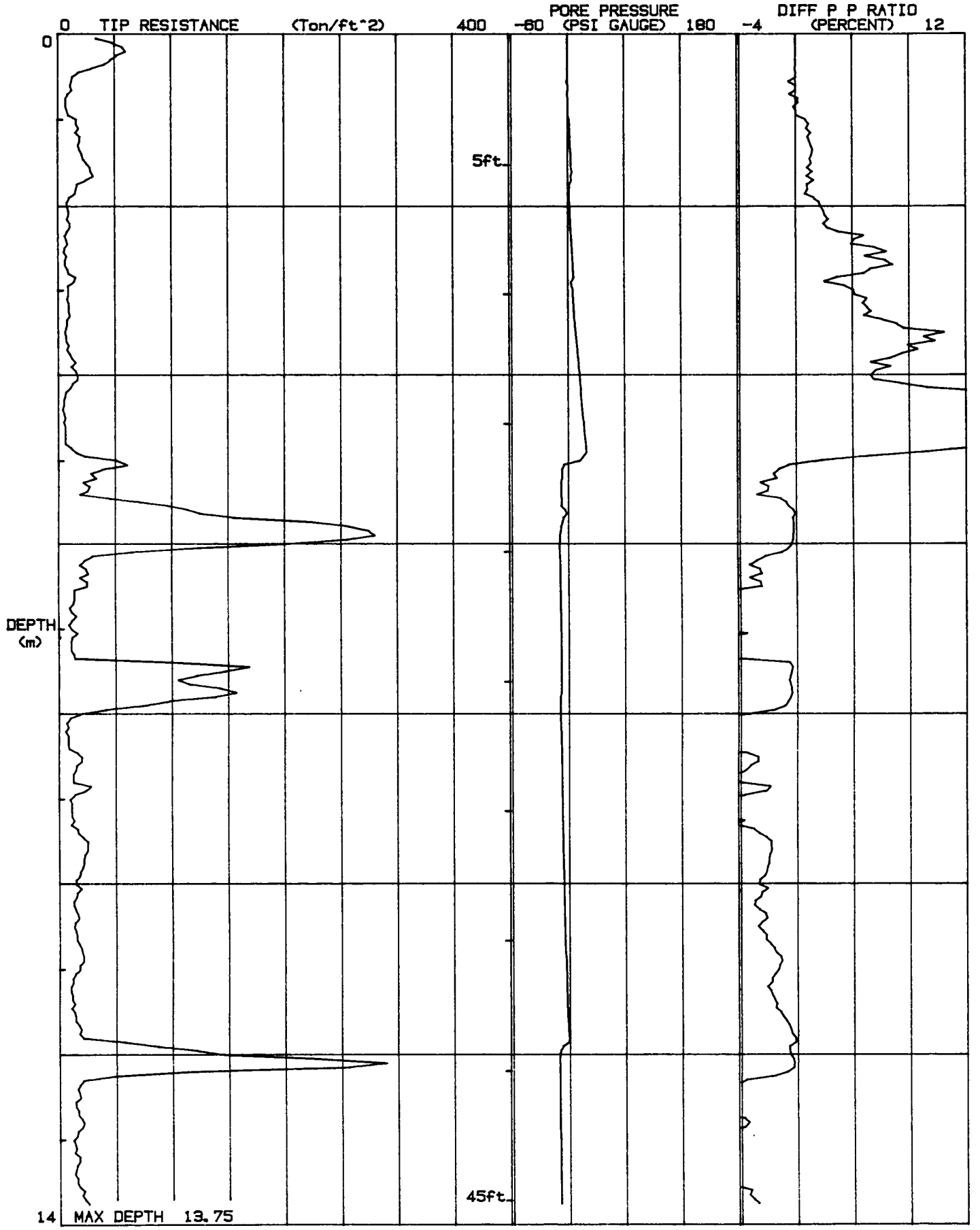
JOB # : 044-0134IRSCF9
DATE : 07/10/91 11:30
LOCATION : CPT-09-2
FILE : 10



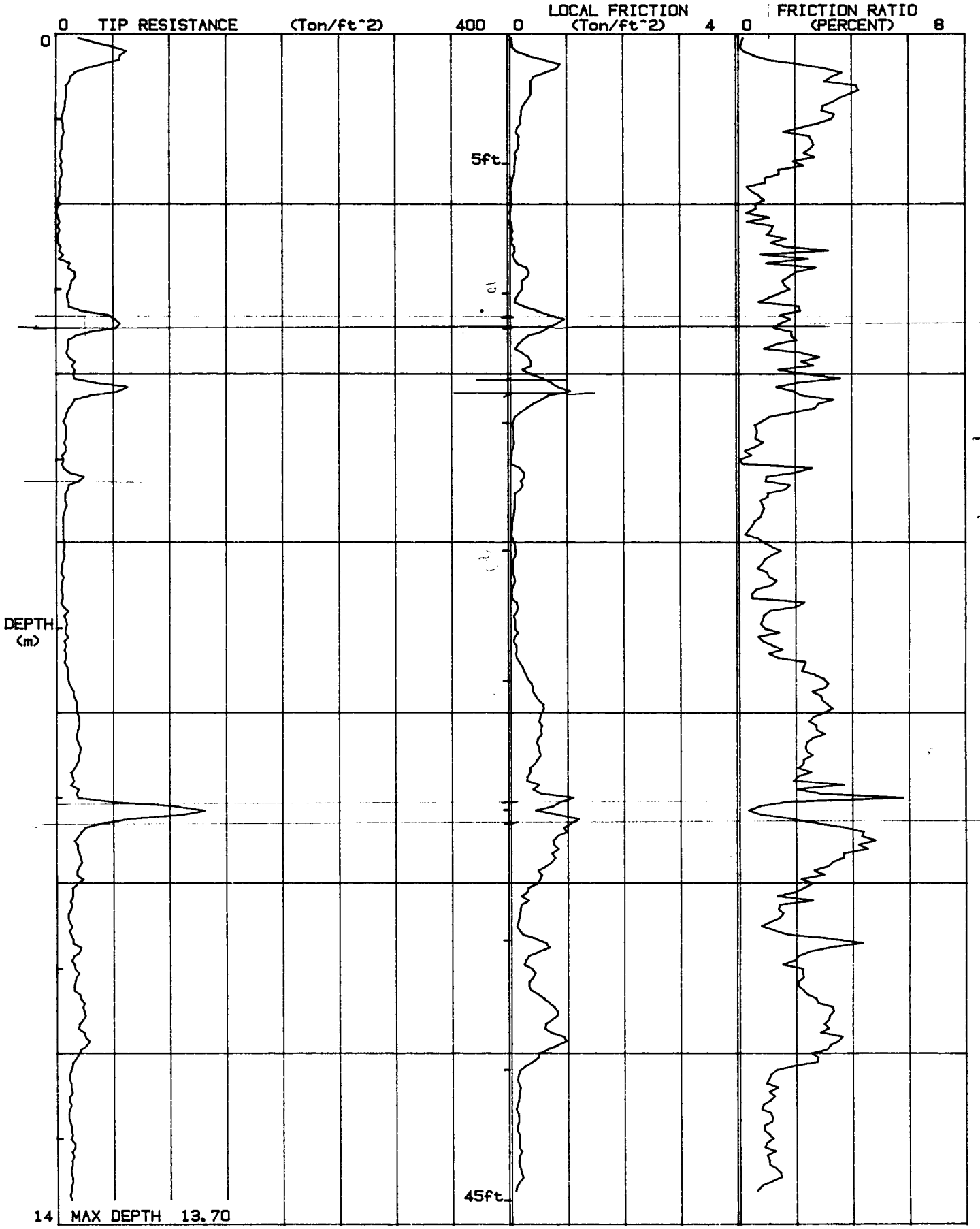
JOB # : 044-0134IRSCF9
DATE : 07/11/91 11:15
LOCATION : CPT-09-3
FILE : 18



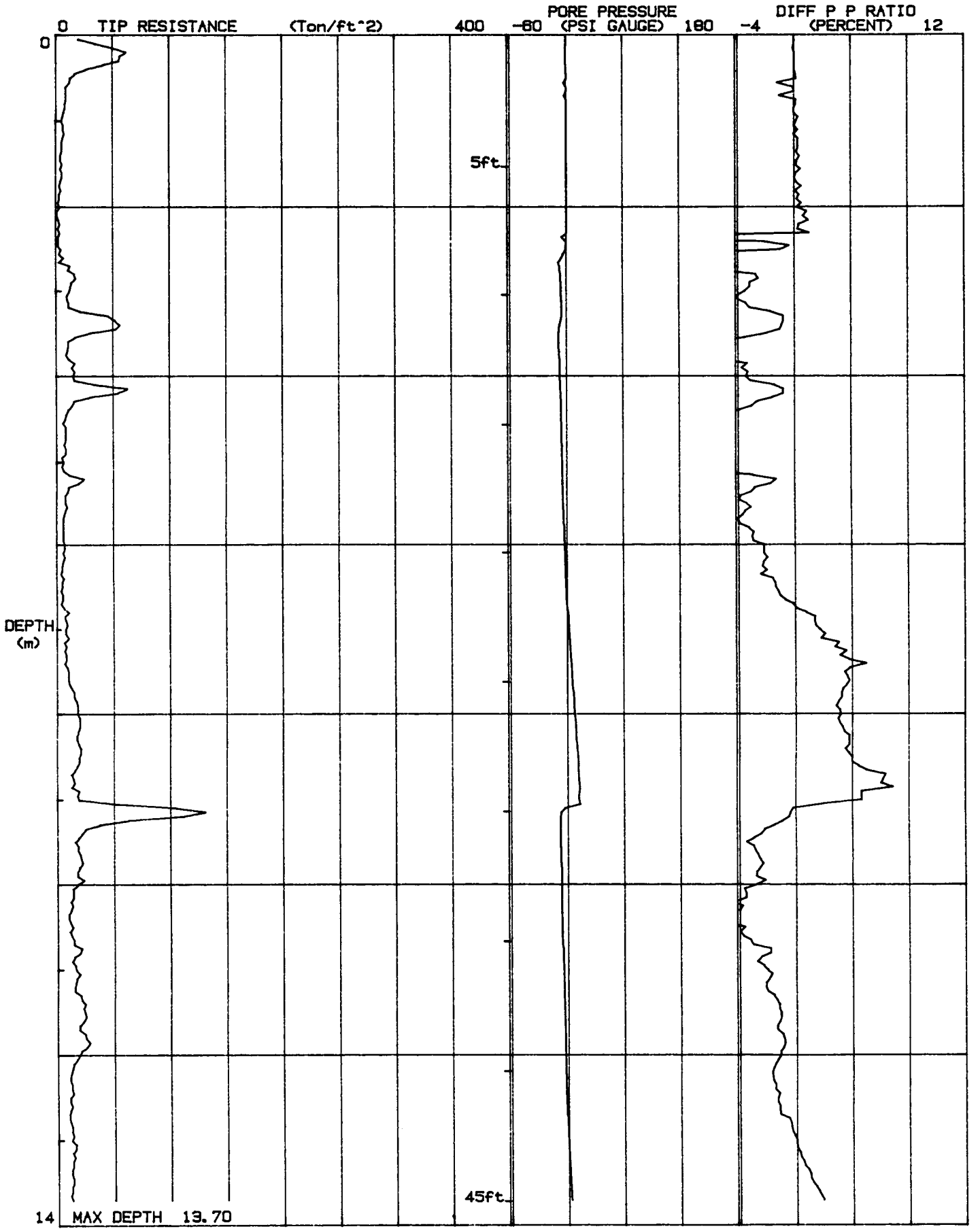
JOB # : 044-0134IRSCF9
DATE : 07/11/91 11:15
LOCATION : CPT-09-3
FILE : 18



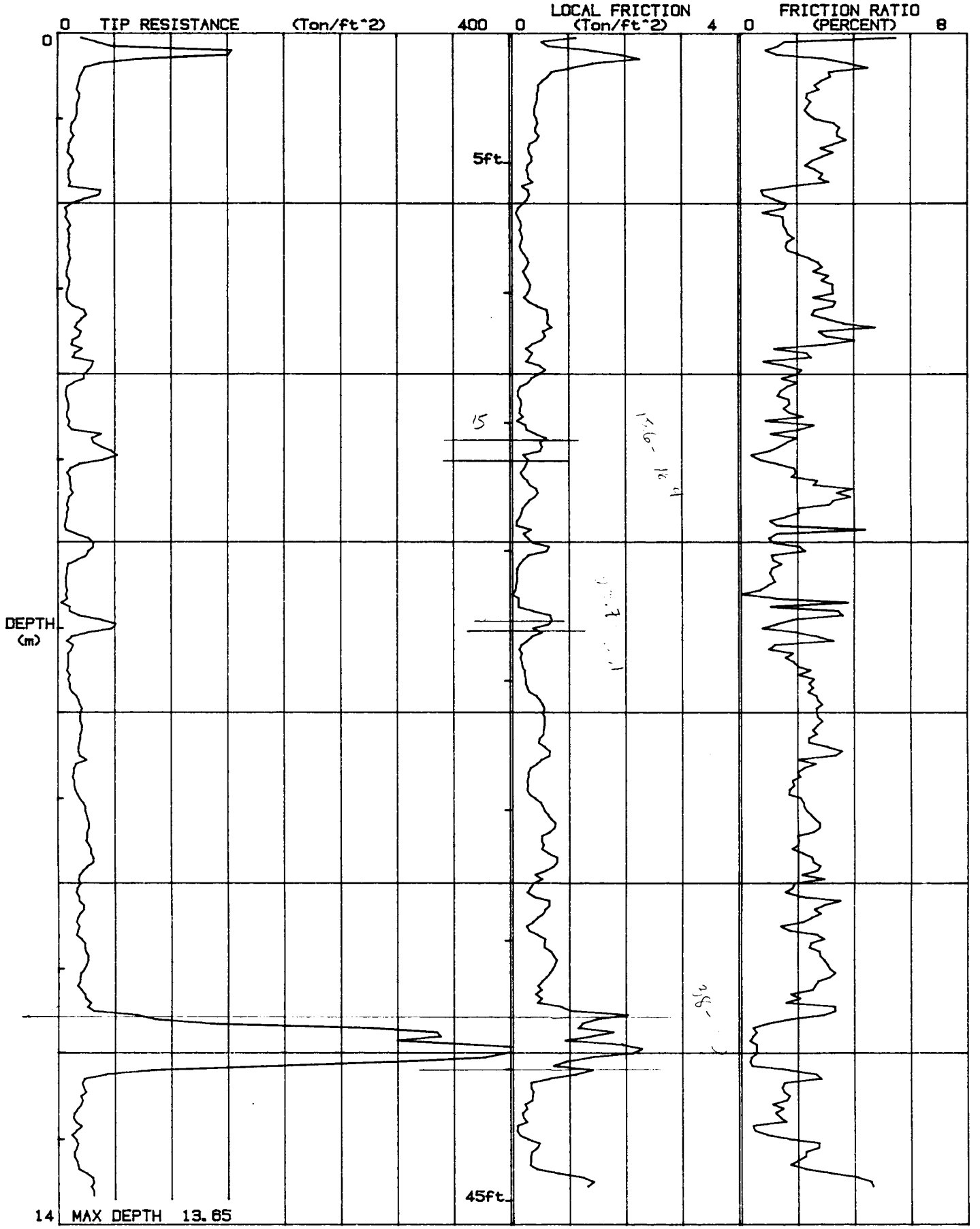
JOB # : 044-0134IRSCF9
DATE : 07/11/91 13:10
LOCATION : CPT09-4
FILE : 19



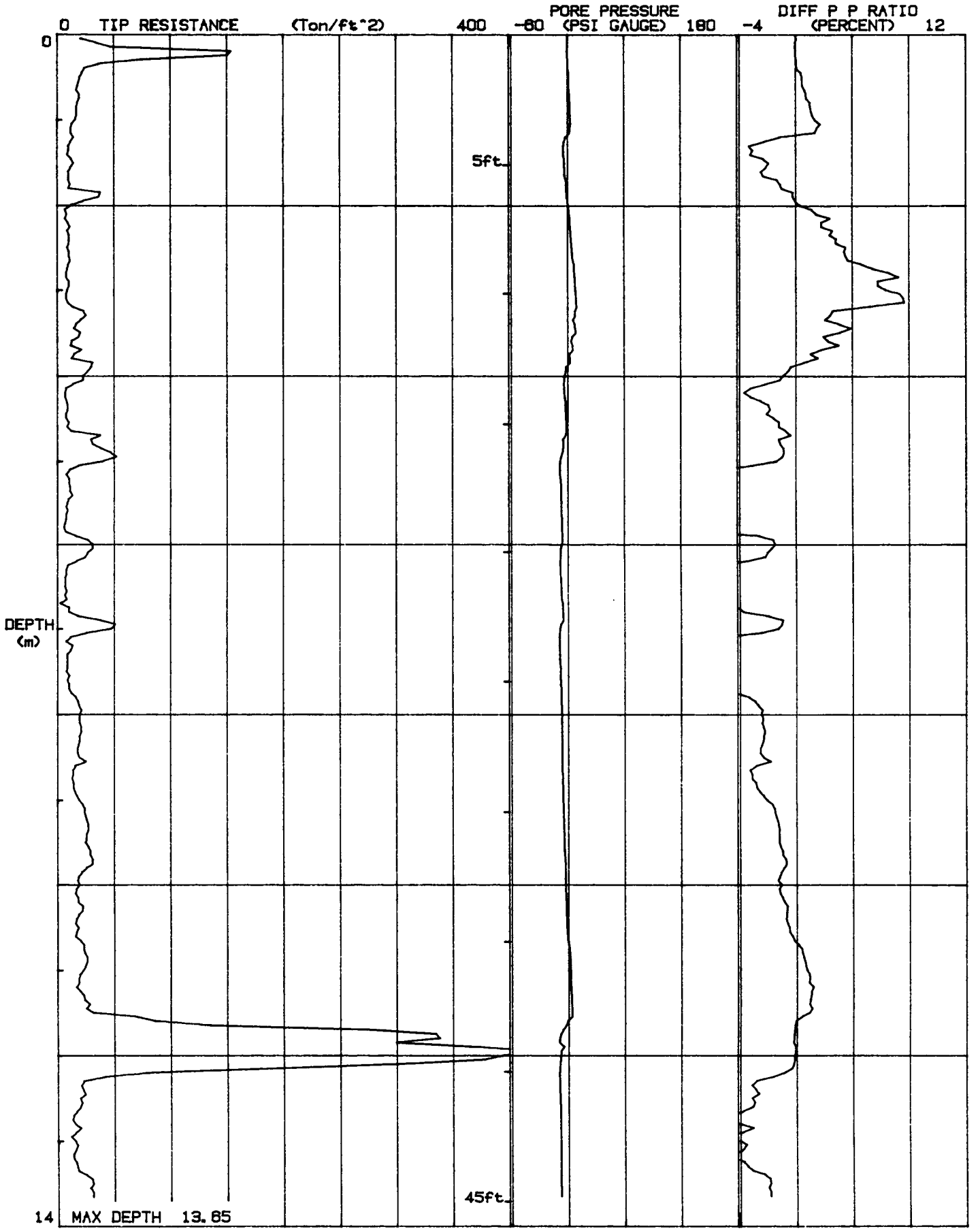
JOB # : 044-0134IRSCF9
DATE : 07/11/91 13:10
LOCATION : CPT09-4
FILE : 19



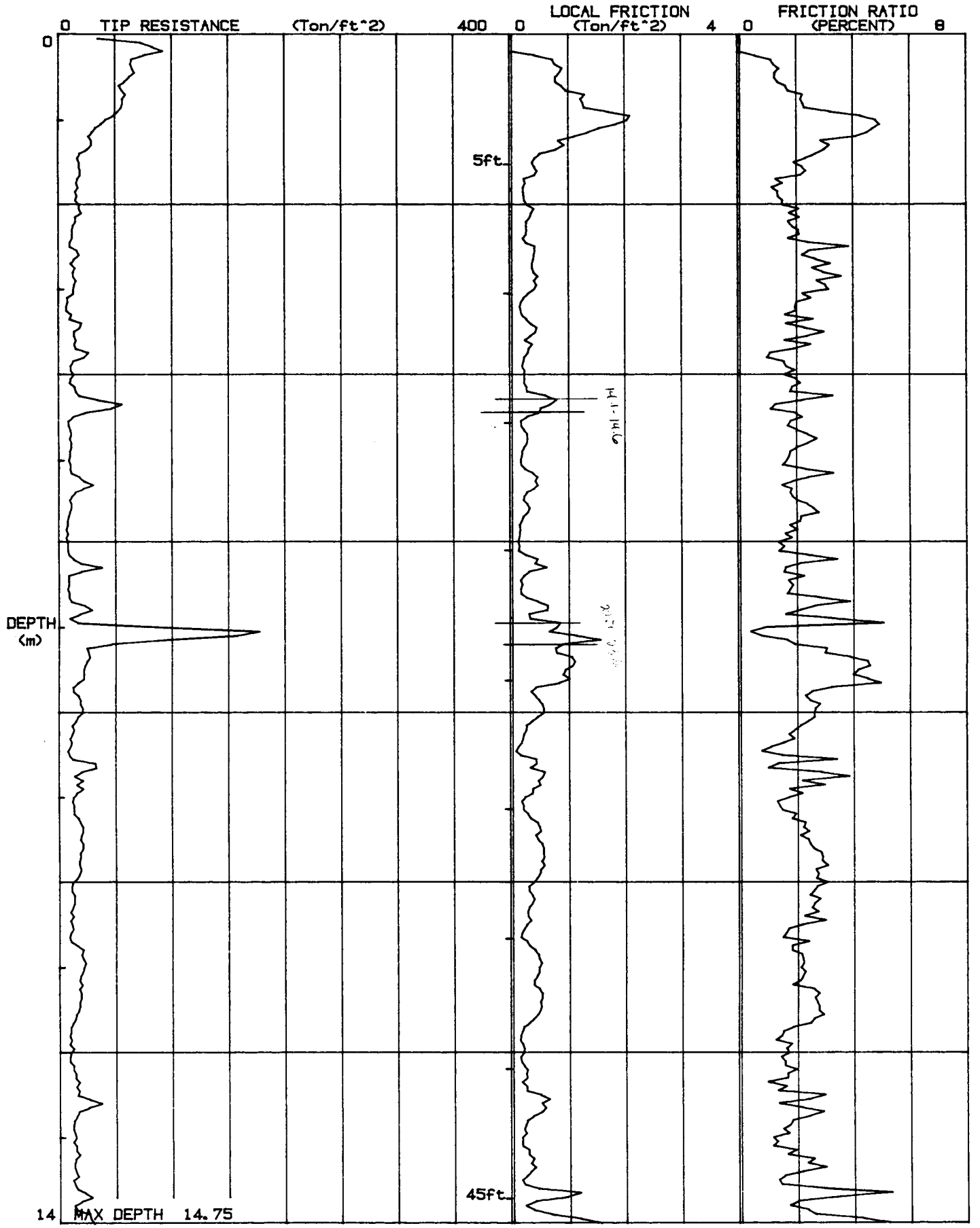
JOB # : 044-0134IRSCF9
DATE : 07/11/91 10:15
LOCATION : CPT-09-5
FILE : 17



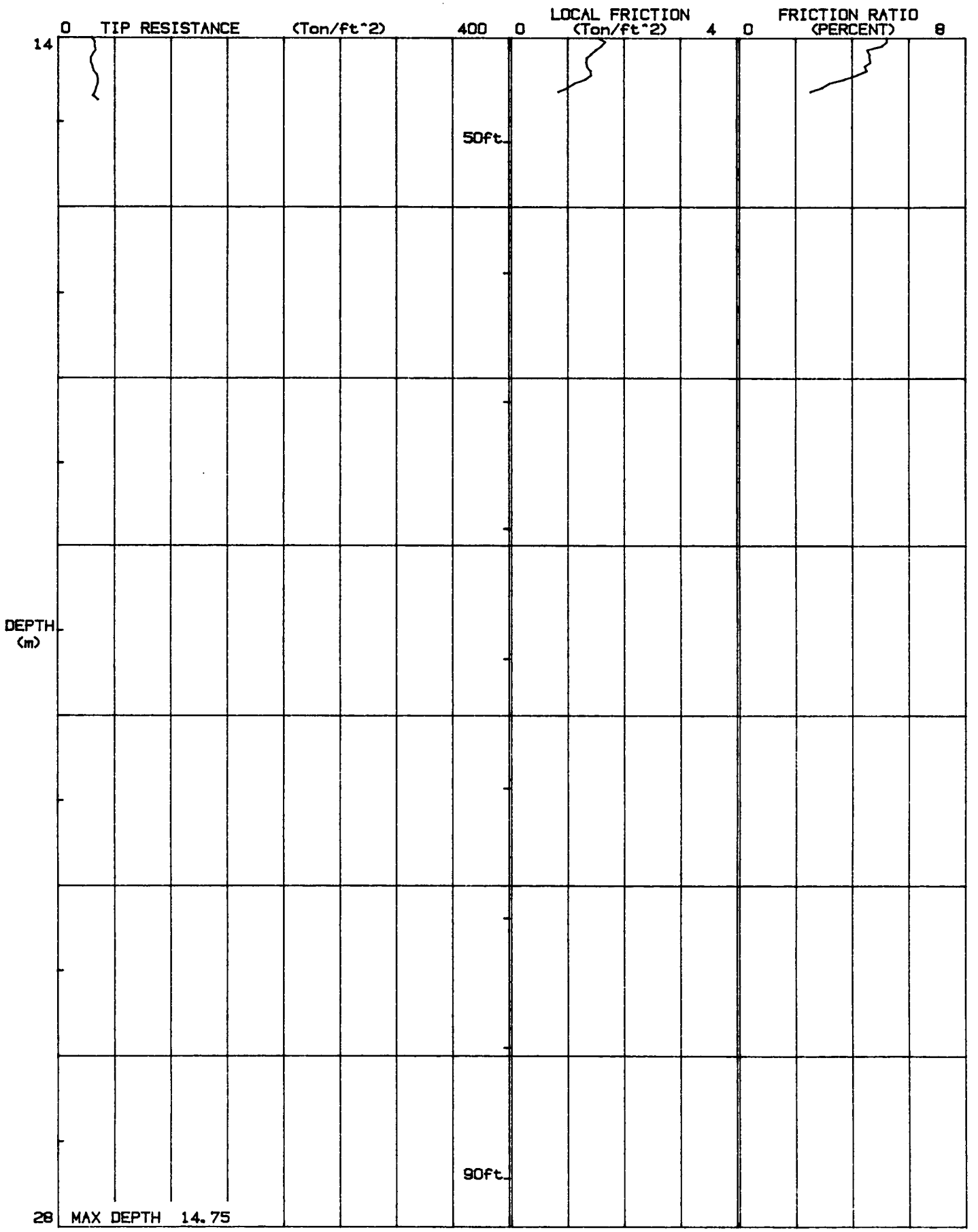
JOB # : 044-0134IRSCF9
DATE : 07/11/91 10:15
LOCATION : CPT-09-5
FILE : 17



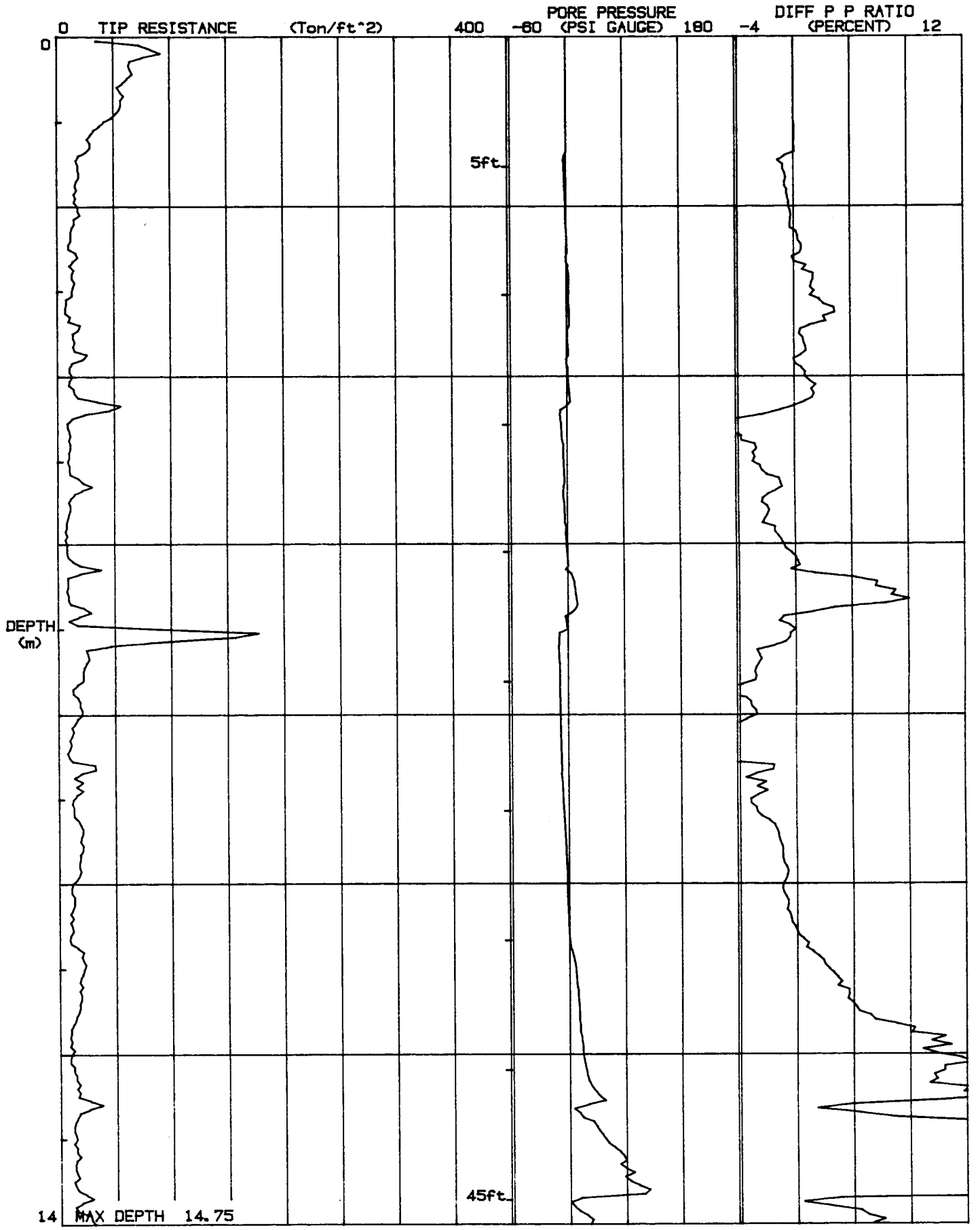
JOB # : 044-0134IRSCF9
DATE : 07/10/91 16:40
LOCATION : CPT-09-7
FILE : 14



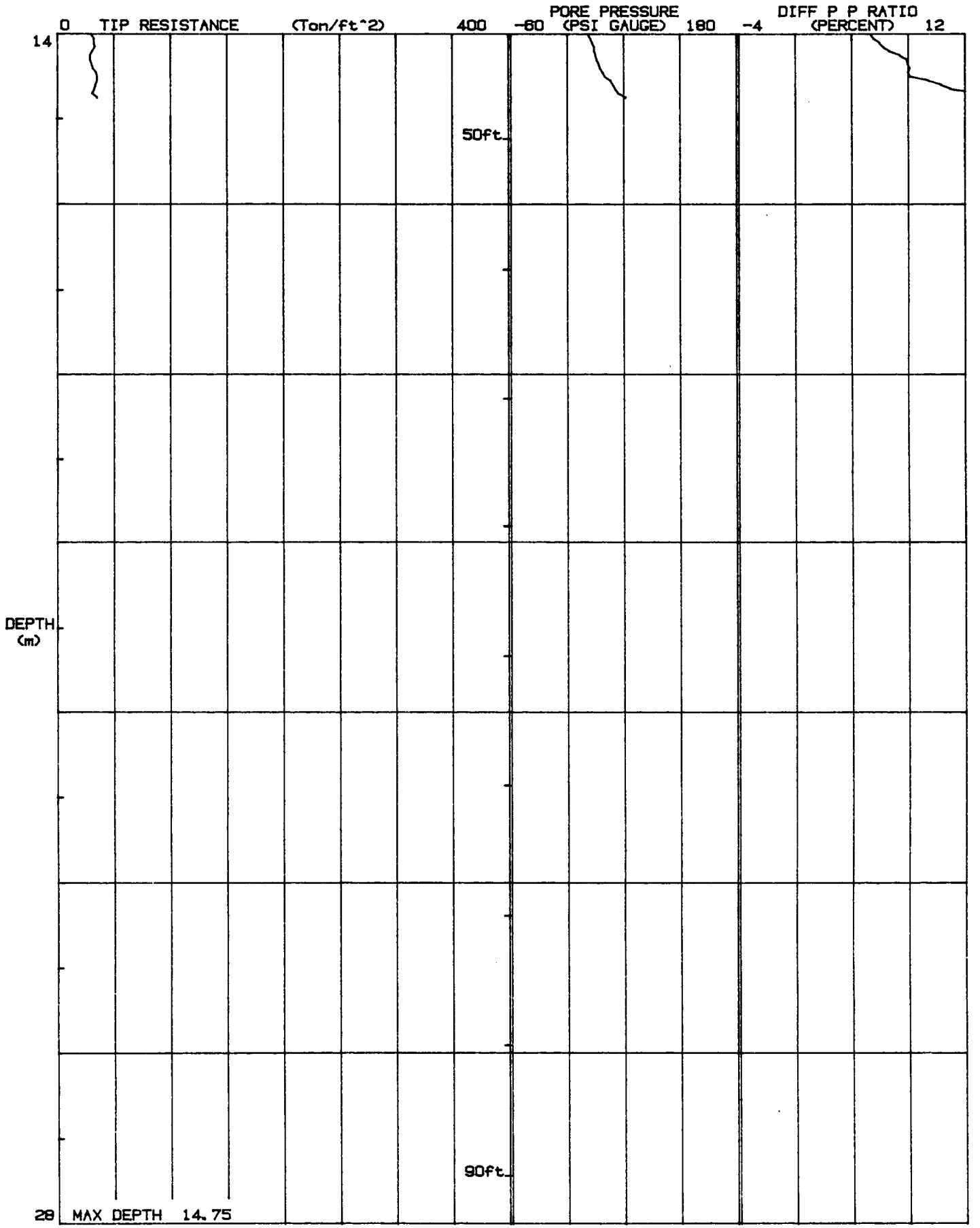
JOB # : 044-0134IRSCF9
DATE : 07/10/91 18:40
LOCATION : CPT-09-7
FILE : 14



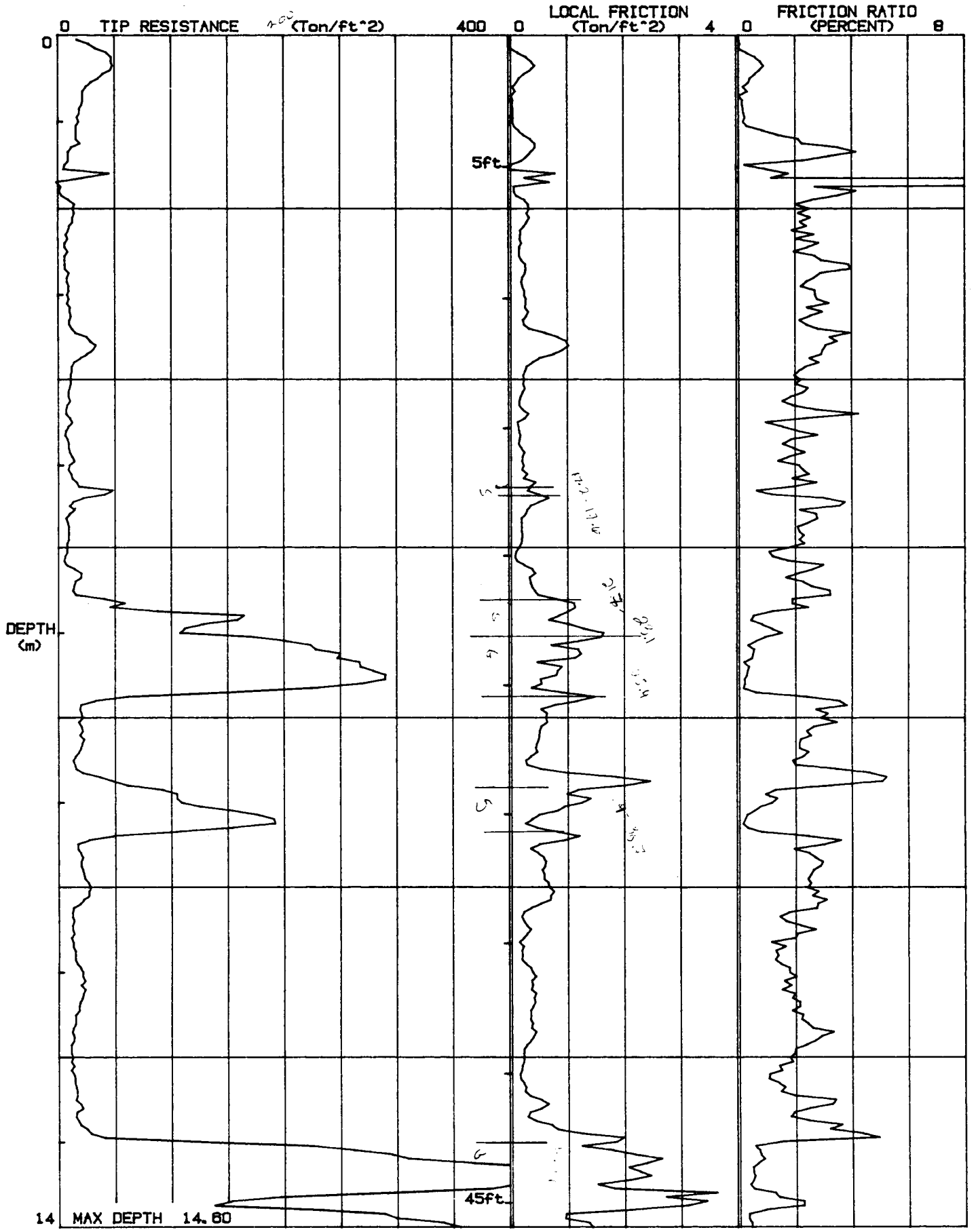
JOB # : 044-0134IRSCF9
DATE : 07/10/91 16:40
LOCATION : CPT-09-7
FILE : 14



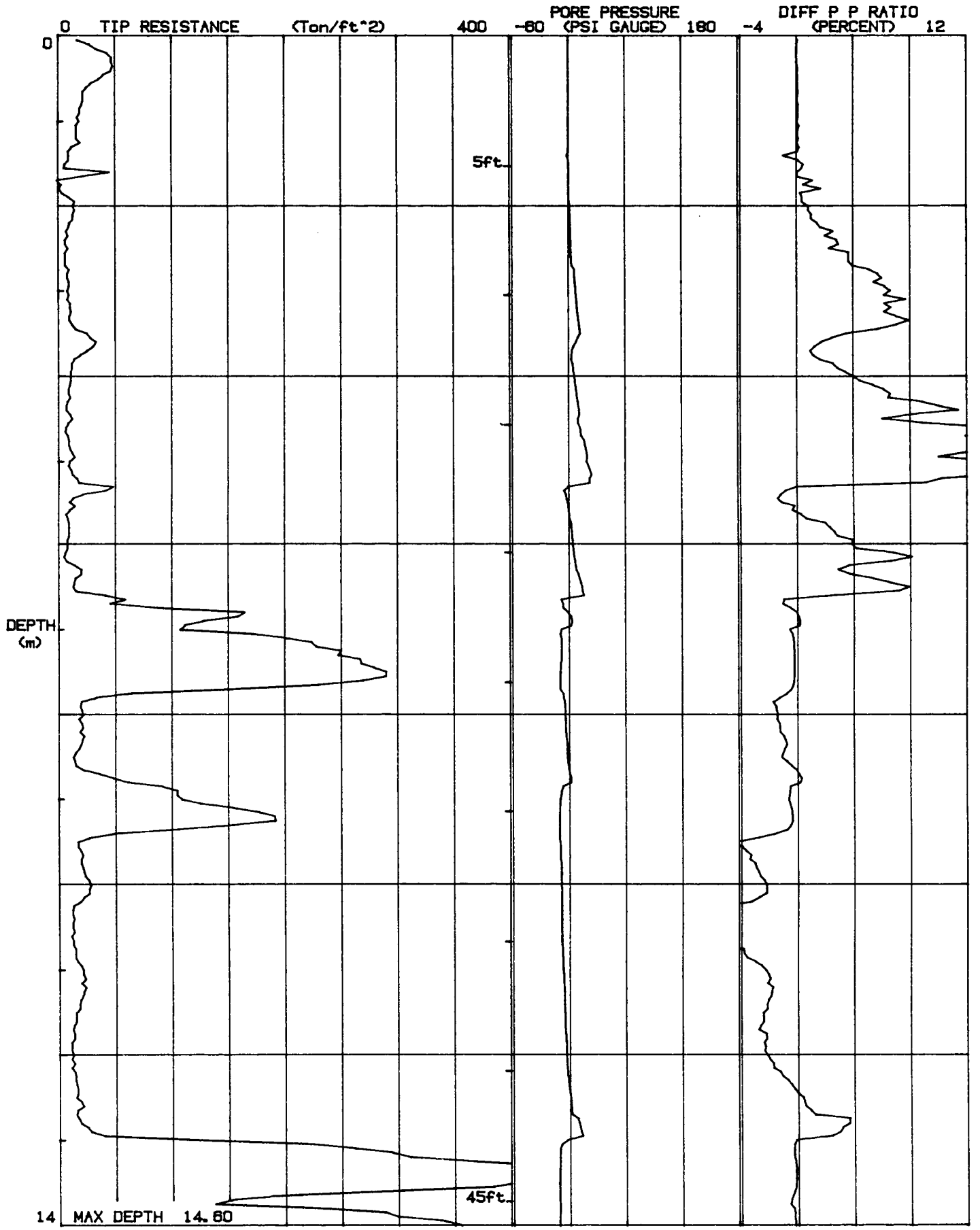
JOB # : 044-0134IRSCF9
DATE : 07/10/91 16:40
LOCATION : CPT-09-7
FILE : 14



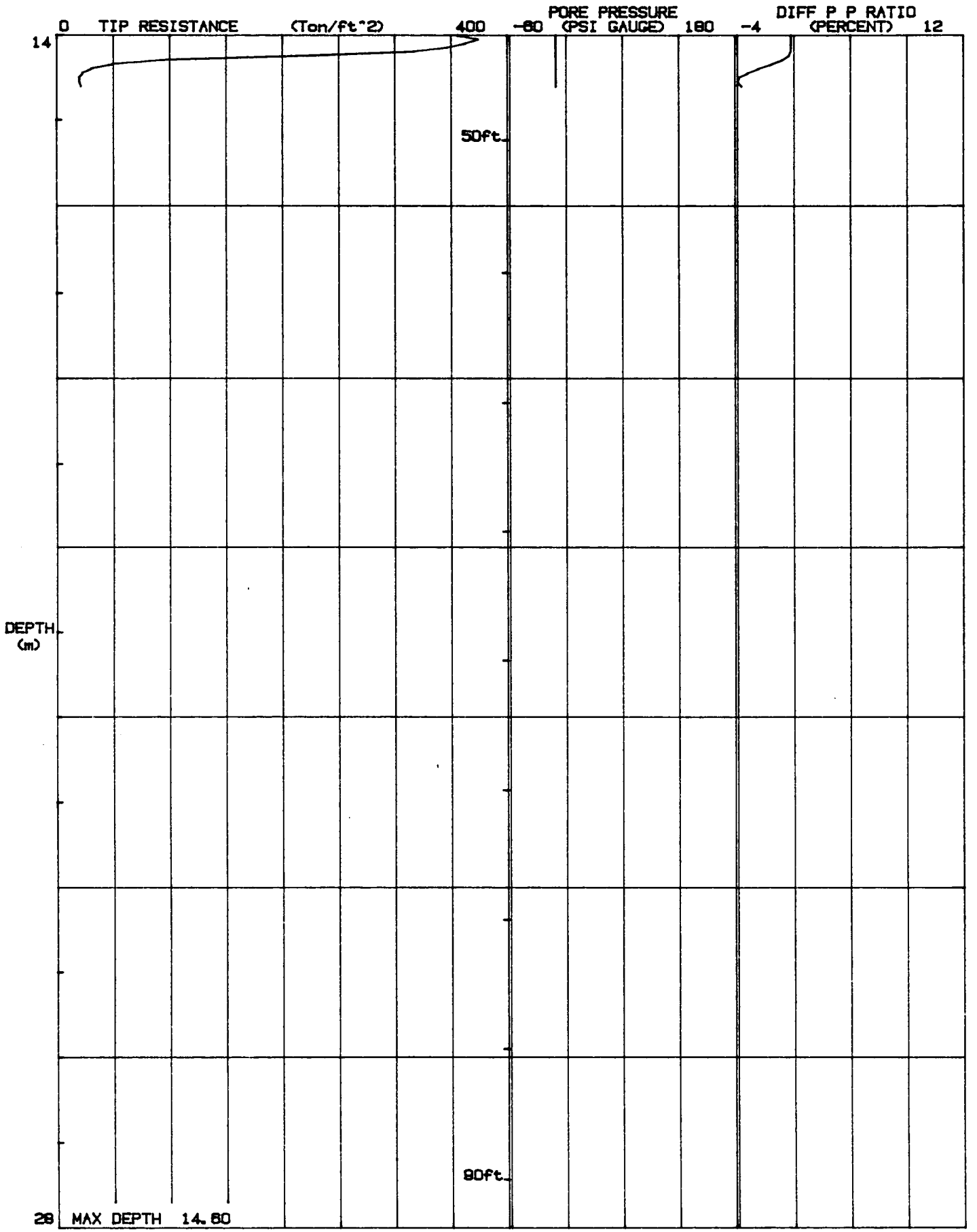
JOB # : 044-0134IRSCF9
DATE : 07/10/91 15:40
LOCATION : CPT-09-8
FILE : 13



JOB # : 044-0134IRSCF9
DATE : 07/10/91 15:40
LOCATION : CPT-09-8
FILE : 13

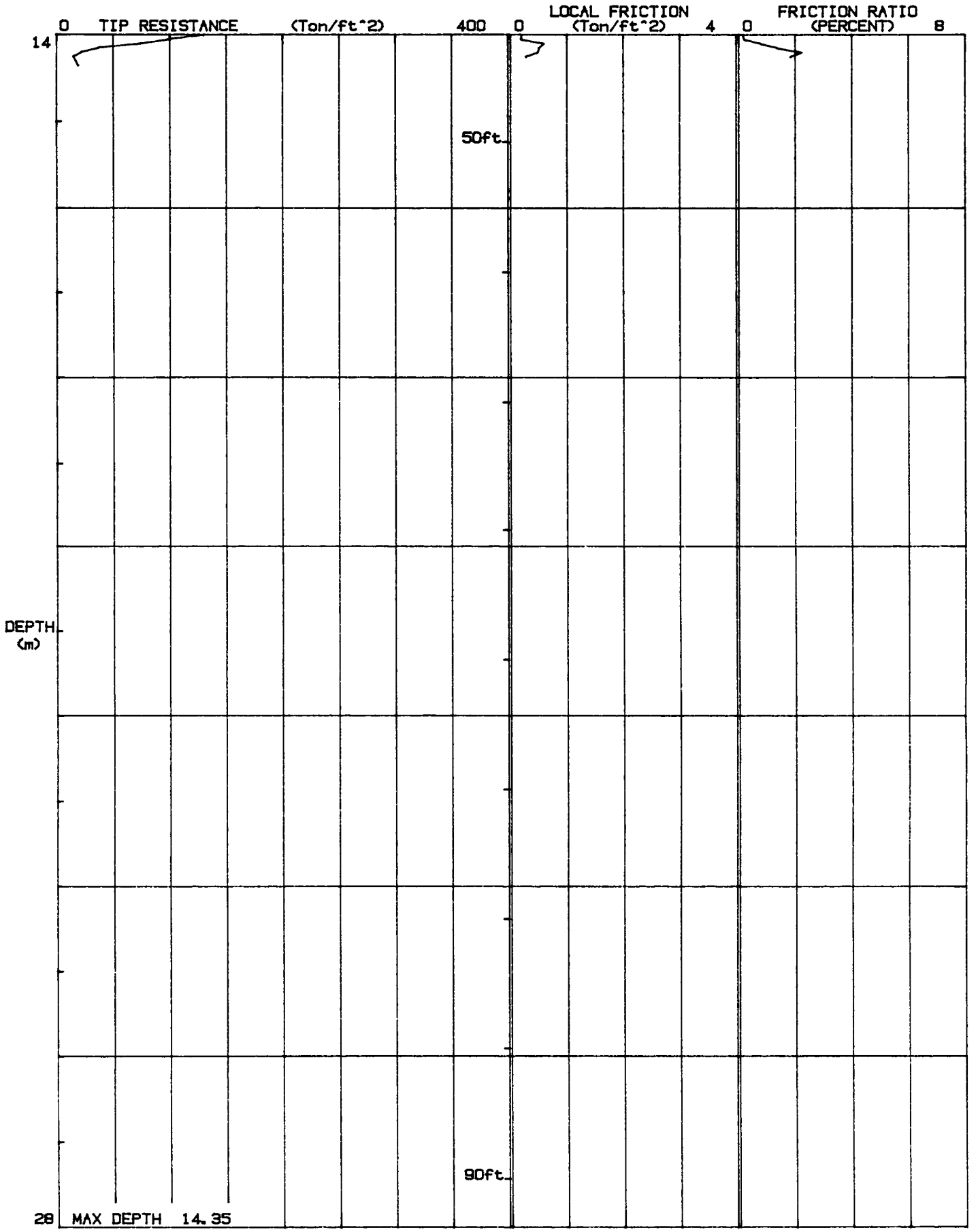


JOB # : 044-0134IRSCF9
DATE : 07/10/91 15:40
LOCATION : CPT-09-8
FILE : 13

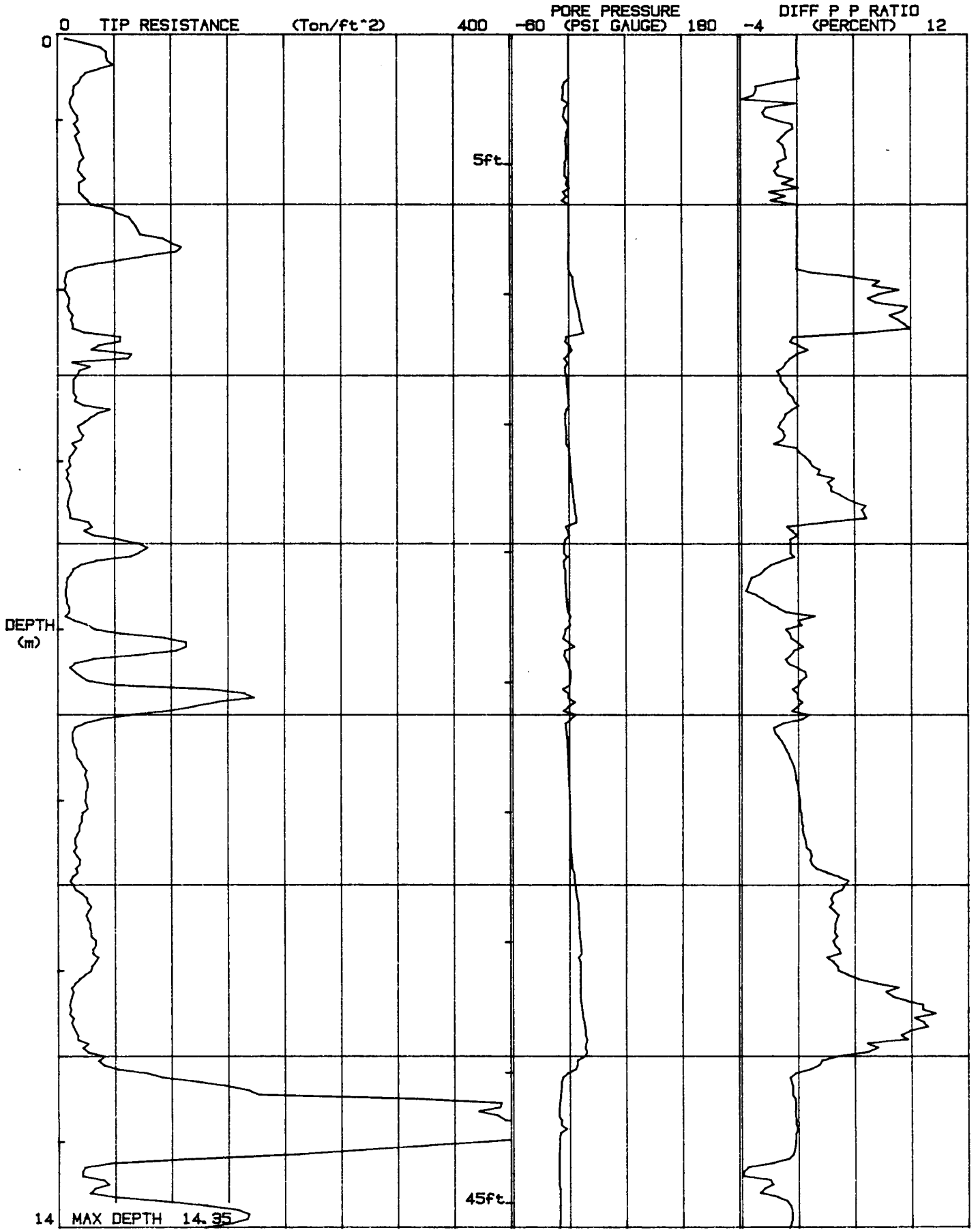


JOB # : 044-0134IRSCF9
DATE : 07/11/91 09:20
LOCATION : CPT-09-9
FILE : 16

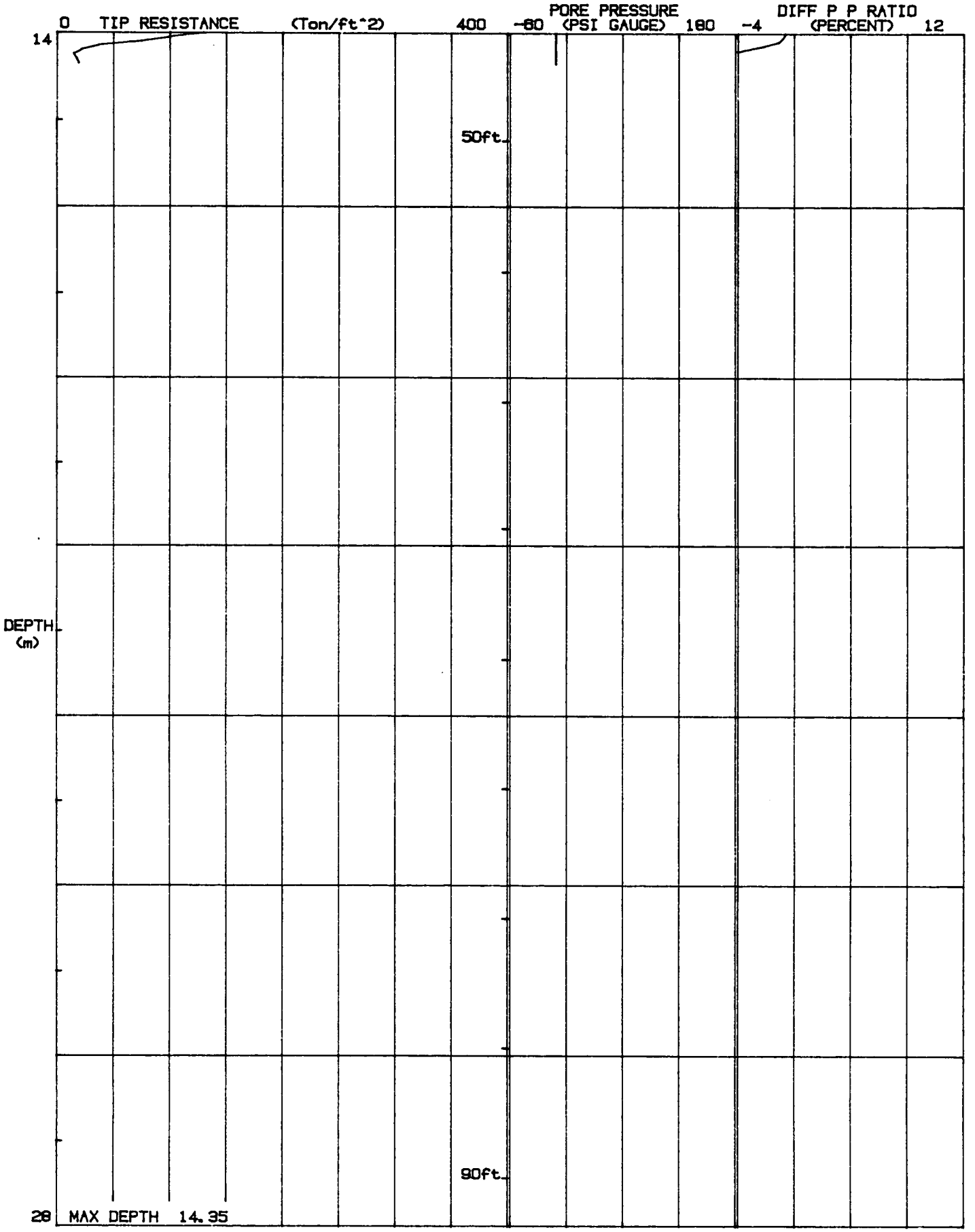
JOB # : 044-0134IRSCF9
DATE : 07/11/91 09:20
LOCATION : CPT-09-9
FILE : 18



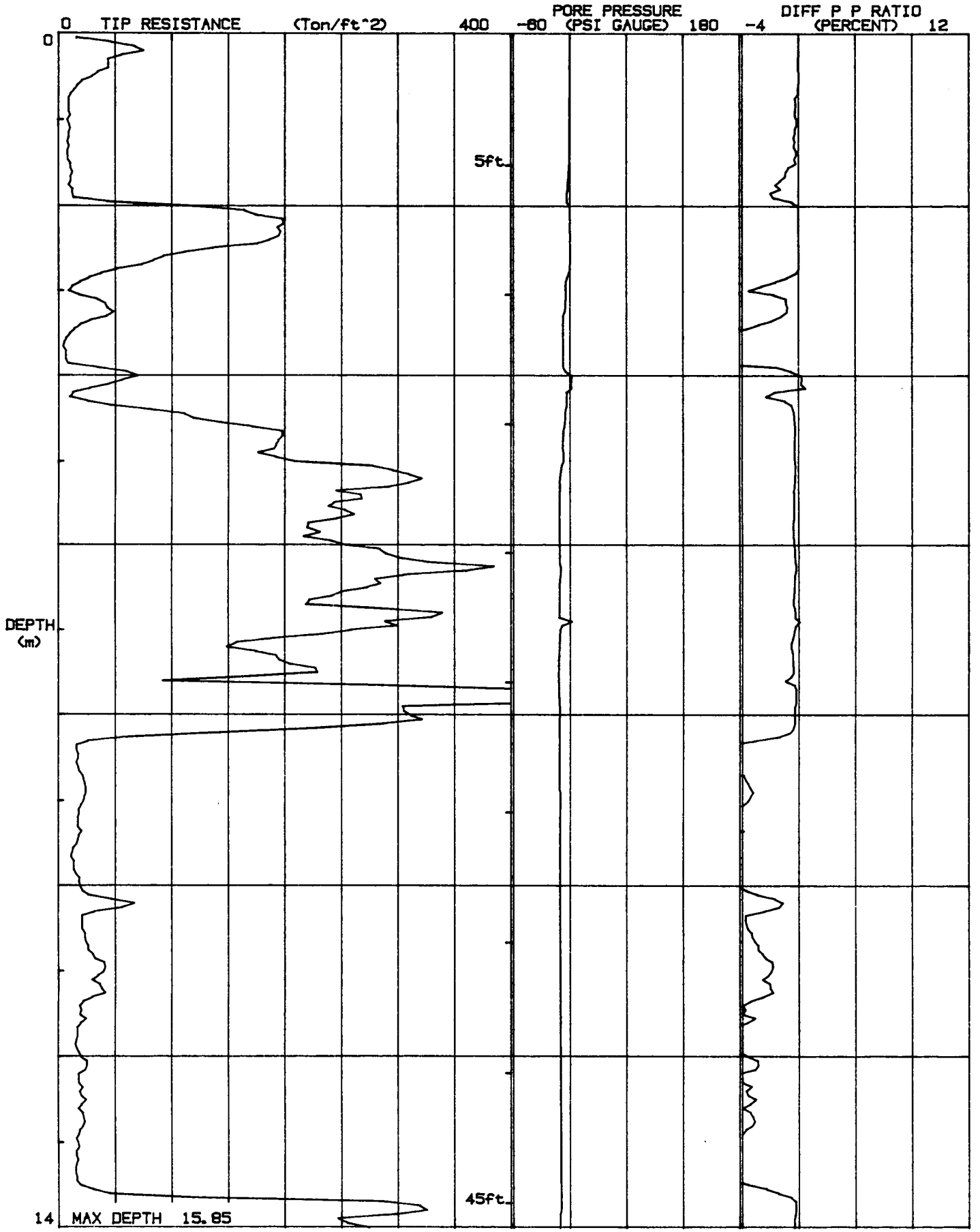
JOB # : 044-0134IRSCF9
DATE : 07/11/91 09:20
LOCATION : CPT-09-9
FILE : 16



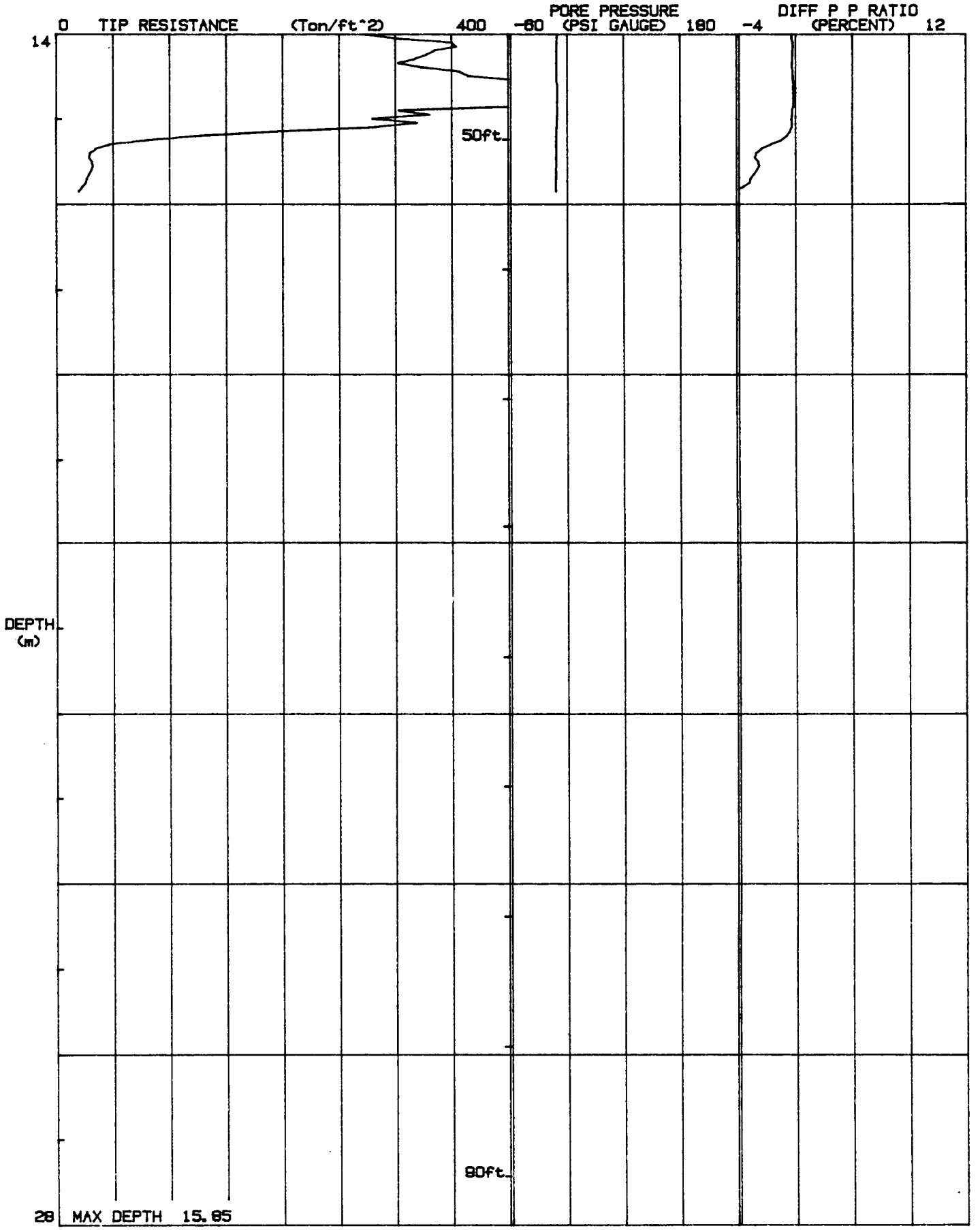
JOB # : 044-0134IRSCF9
DATE : 07/11/91 09:20
LOCATION : CPT-09-9
FILE : 16



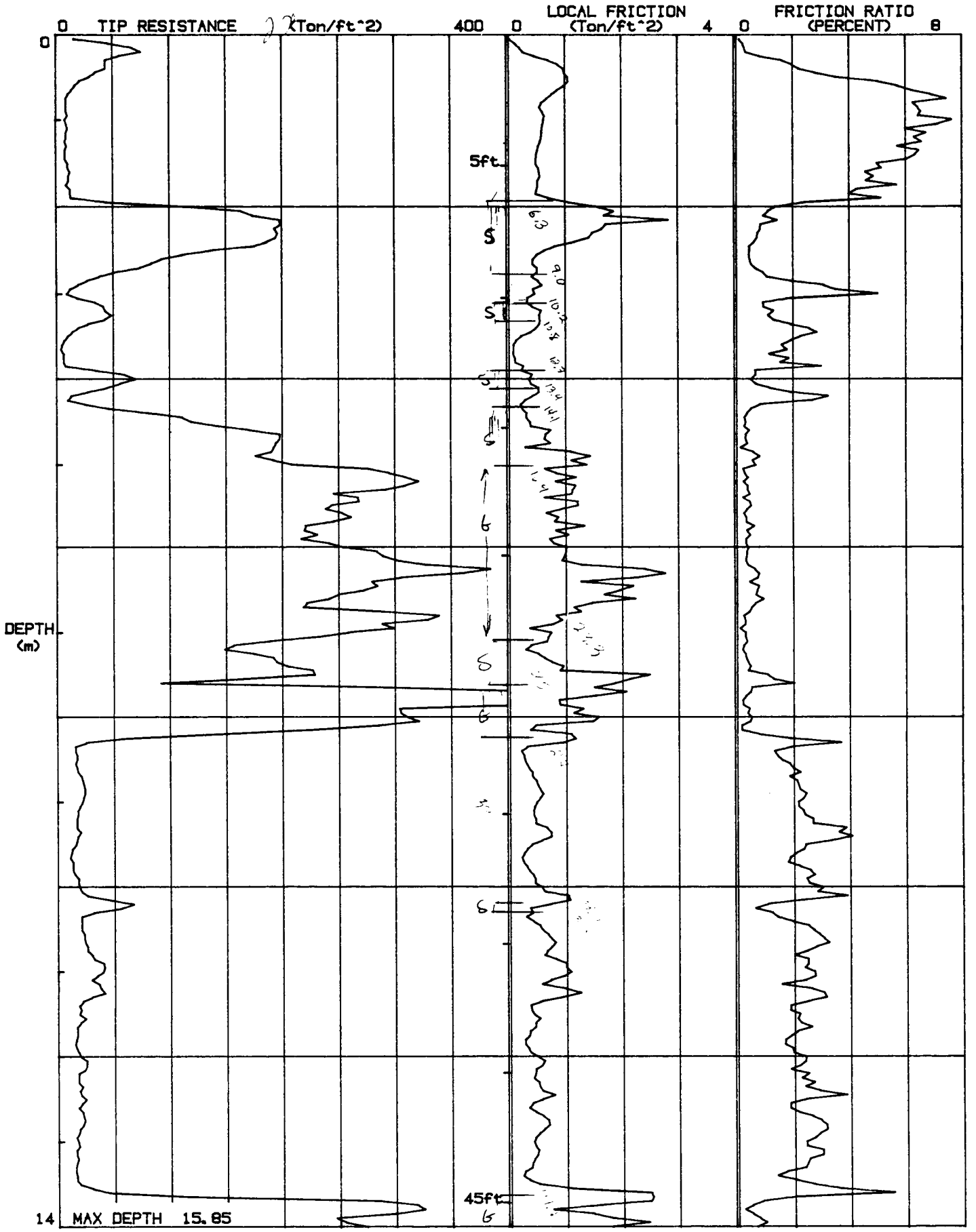
JOB # : 044-0134IRSCF8
DATE : 07/11/91 14:05
LOCATION : CPT-09-10
FILE : 20



JOB # : 044-0134IRSCF9
DATE : 07/11/91 14:05
LOCATION : CPT-09-10
FILE : 20

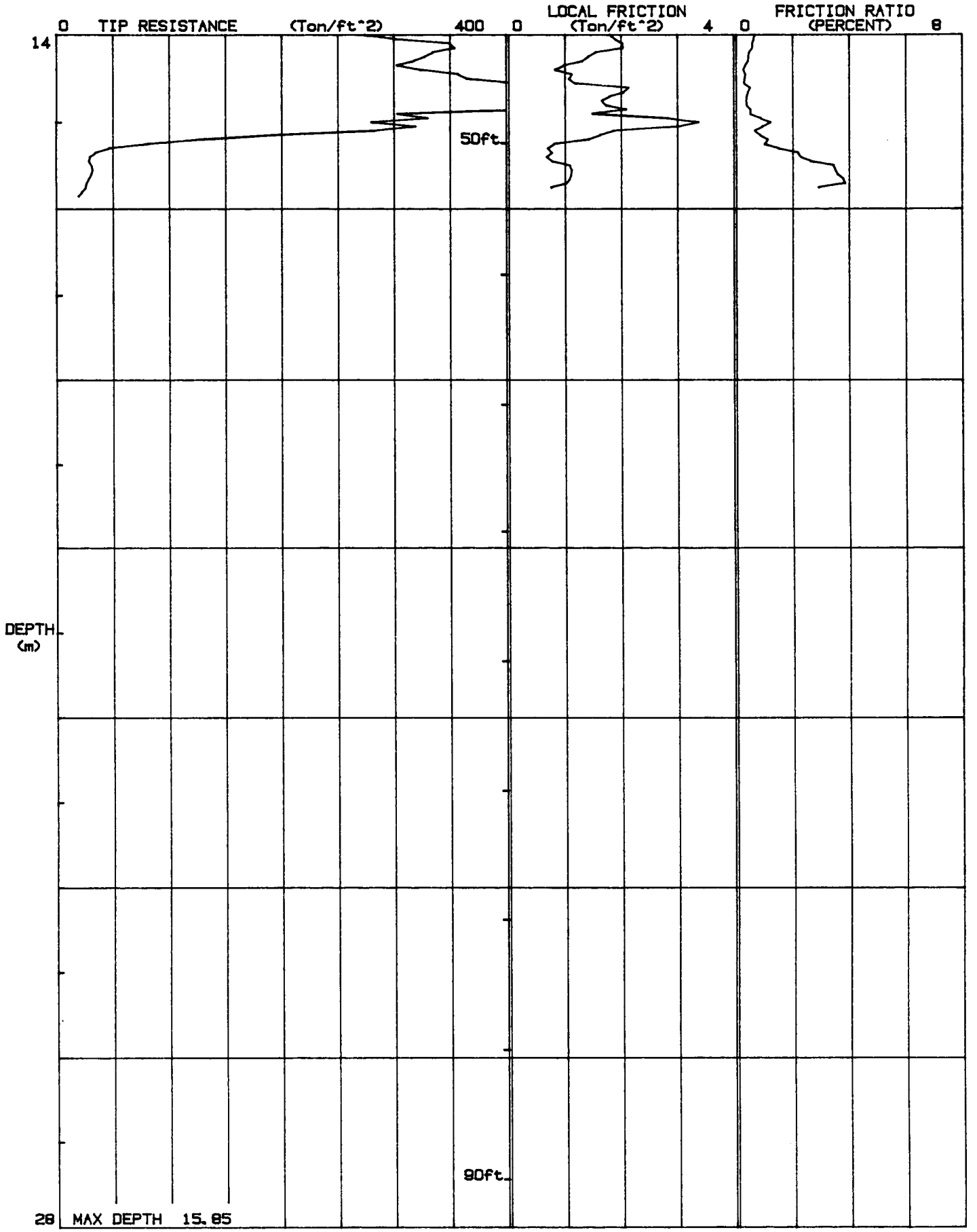


JOB # : 044-0134IRSCF9
DATE : 07/11/91 14:05
LOCATION : CPT-09-10
FILE : 20

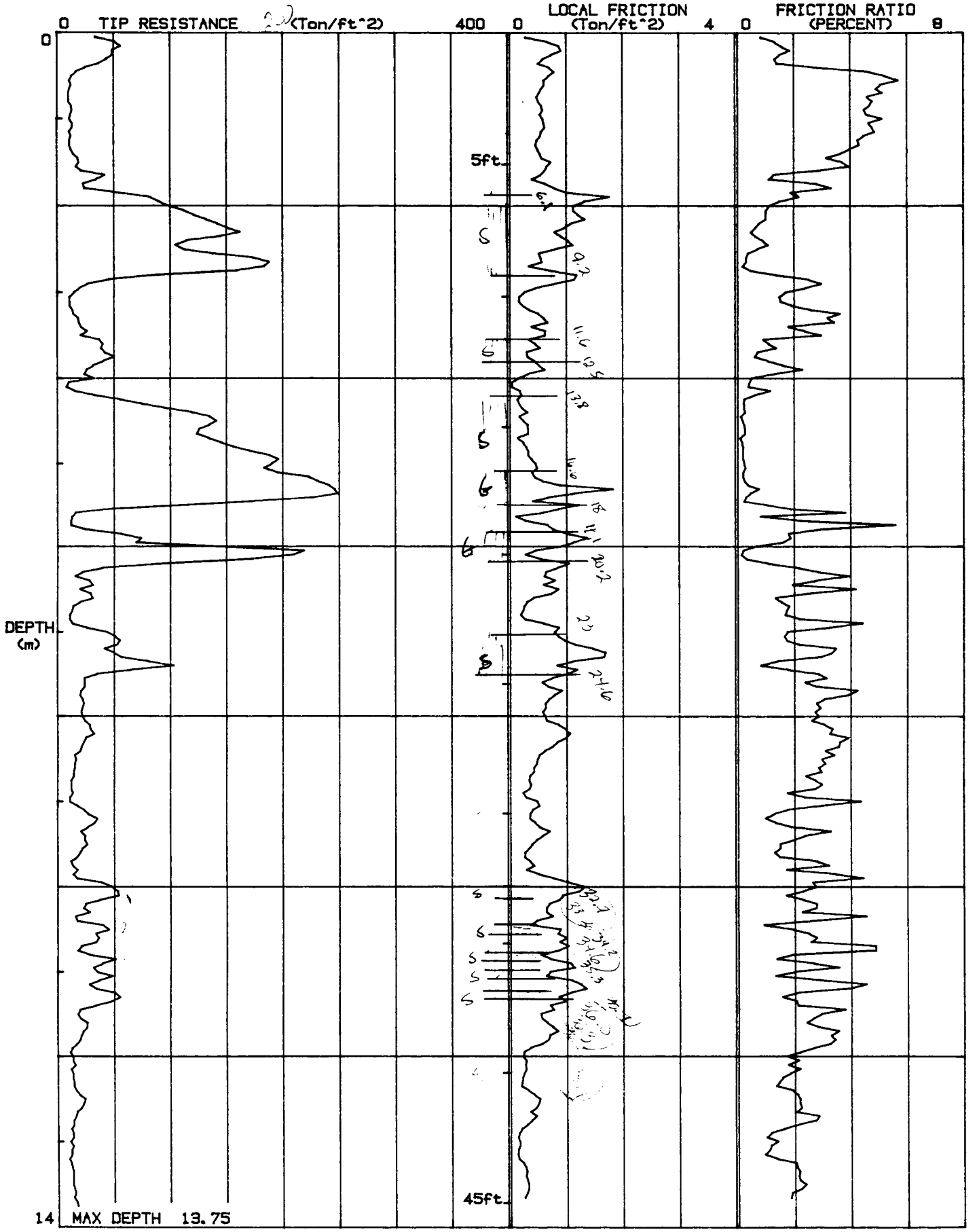


52.0

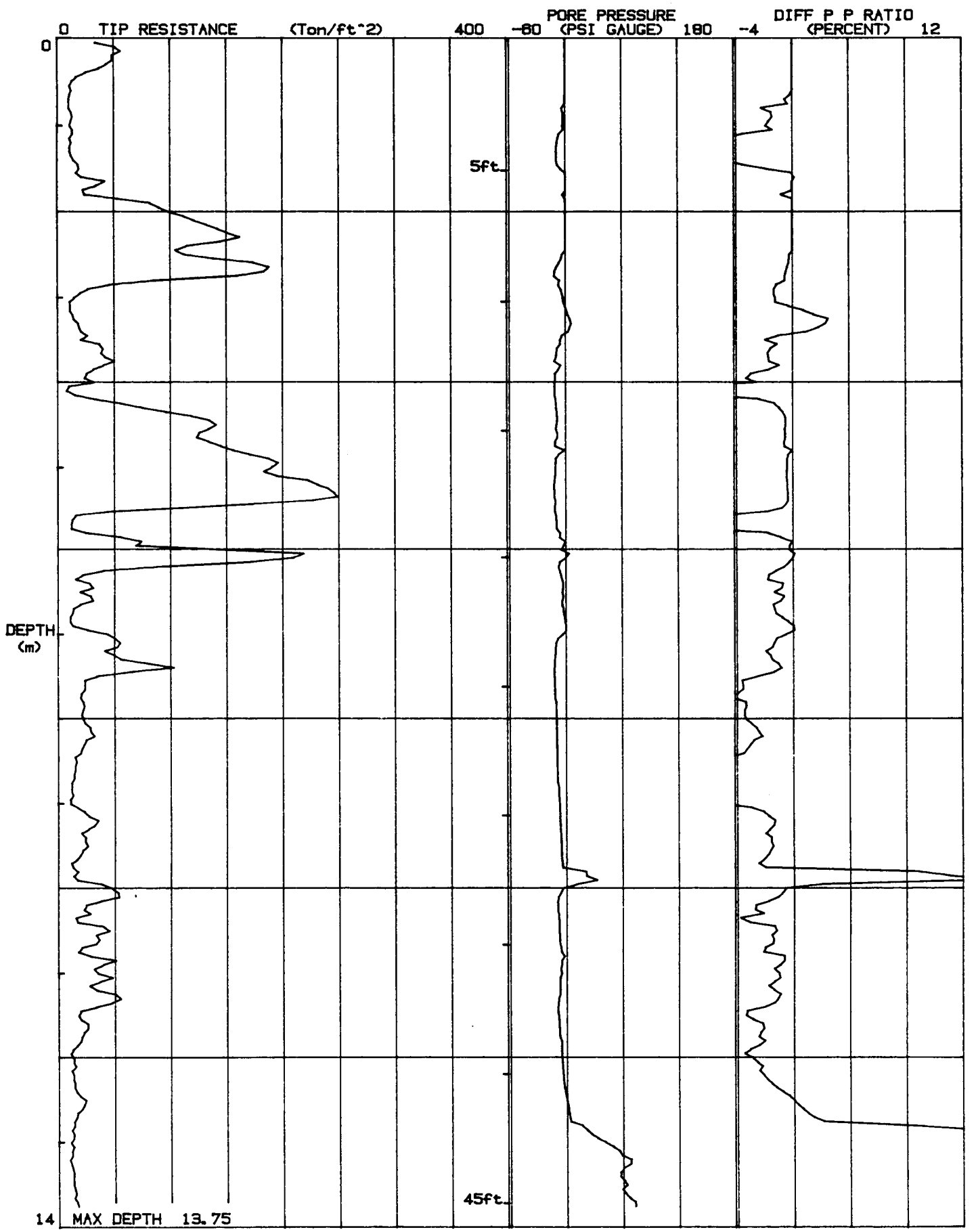
JOB # : 044-0134IRSCF9
DATE : 07/11/91 14:05
LOCATION : CPT-09-10
FILE : 20



JOB # : 044-0134IRSCF9
DATE : 07/11/91 15:05
LOCATION : CPT-09-11
FILE : 21



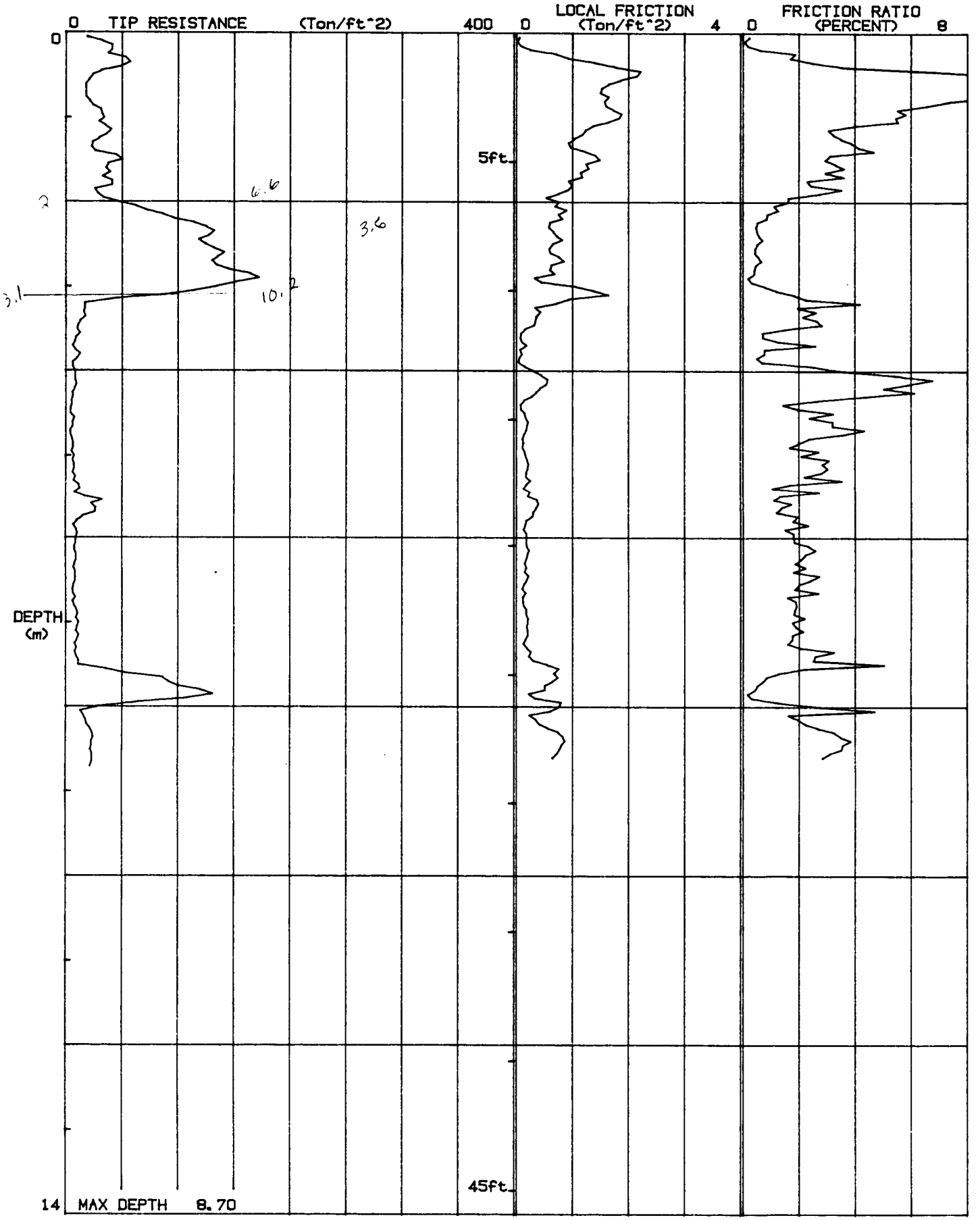
JOB # : 044-0134IRSCF8
DATE : 07/11/91 15:05
LOCATION : CPT-09-11
FILE : 21



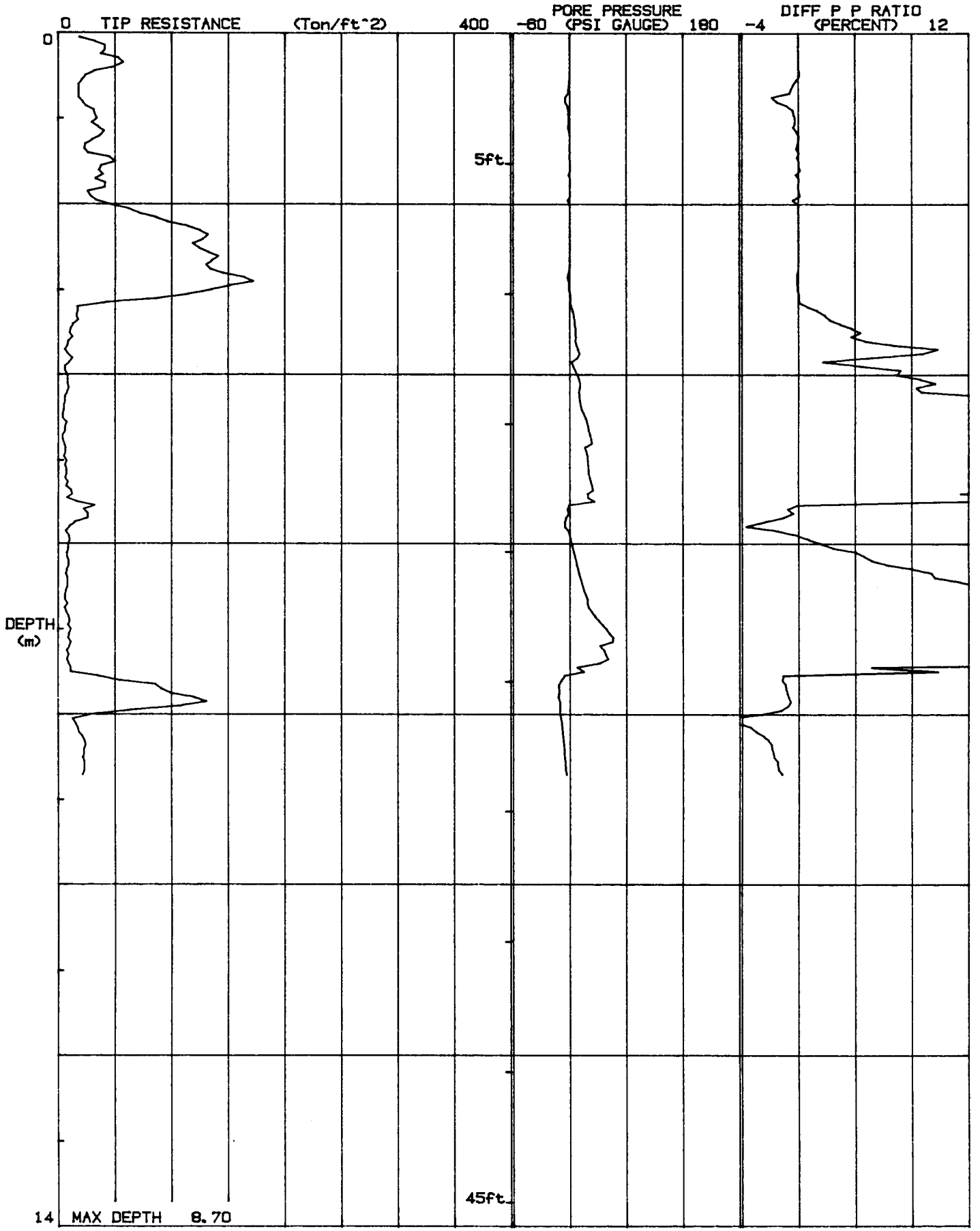
SITE 9

PIEZOMETER CPT LOGS

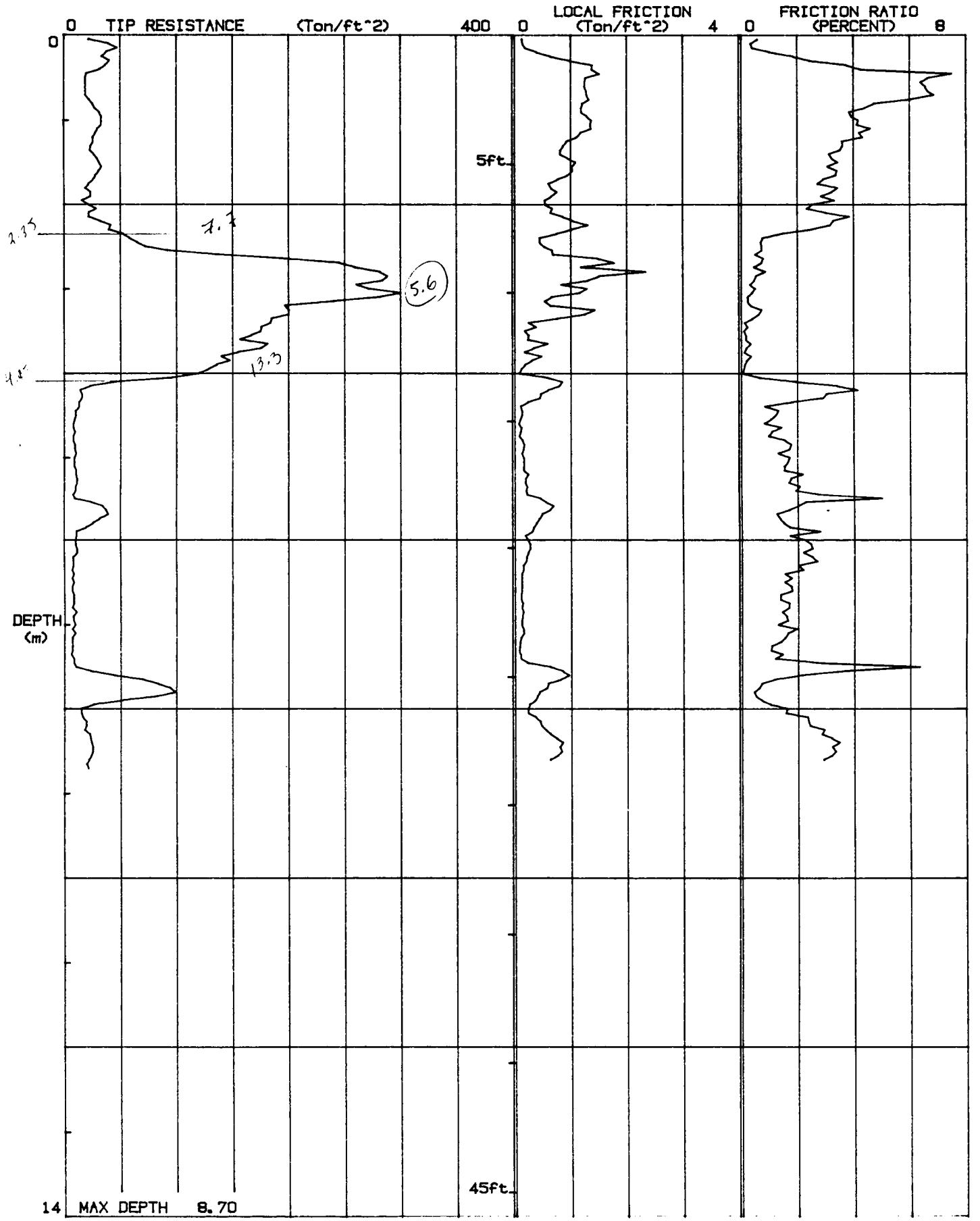
JOB # : 044-0134IRSCF8
DATE : 07/08/91 12:30
LOCATION : CPT-01
FILE : 1



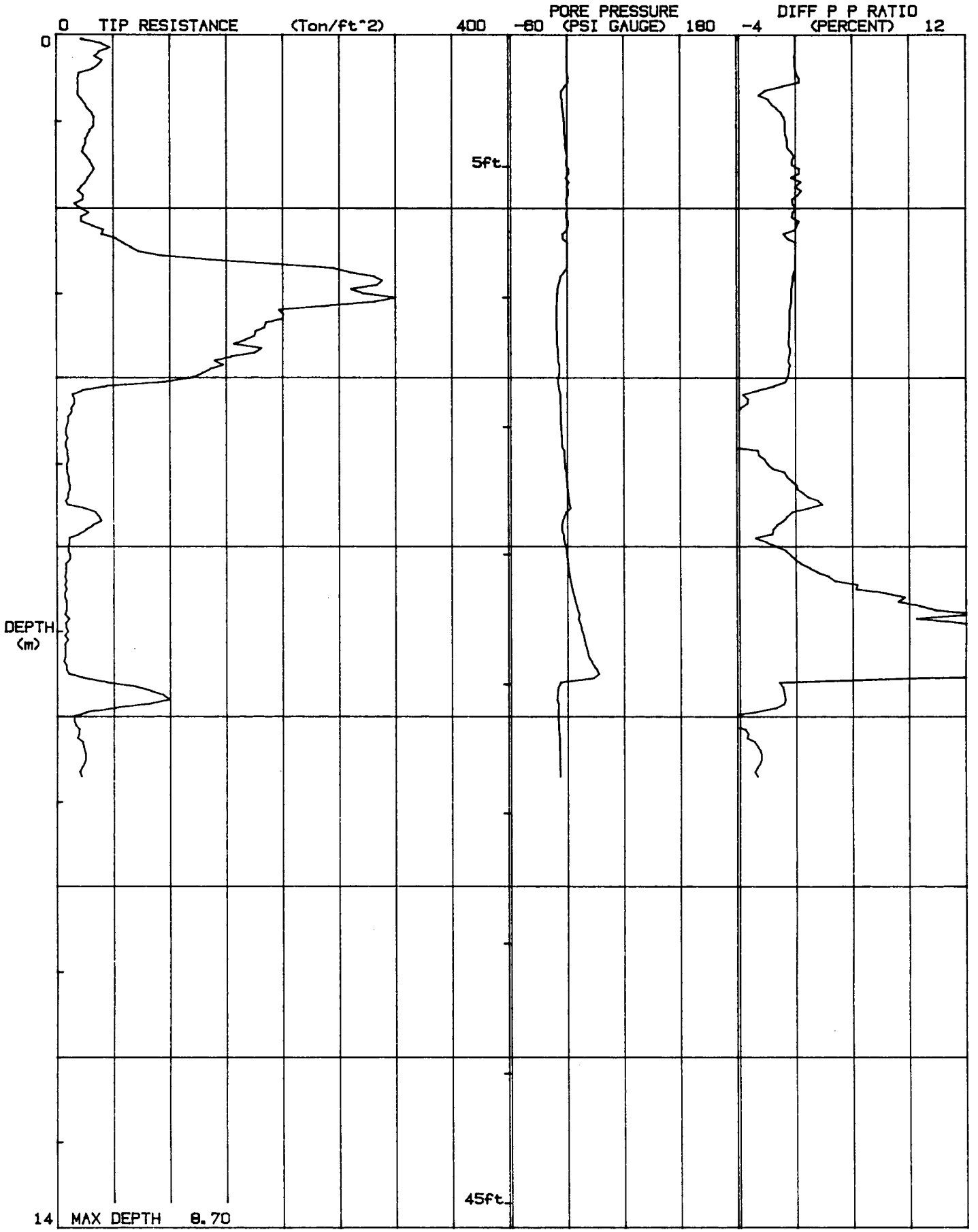
JOB # : 044-0134IRSCF9
DATE : 07/08/91 12:30
LOCATION : CPT-01
FILE : 1



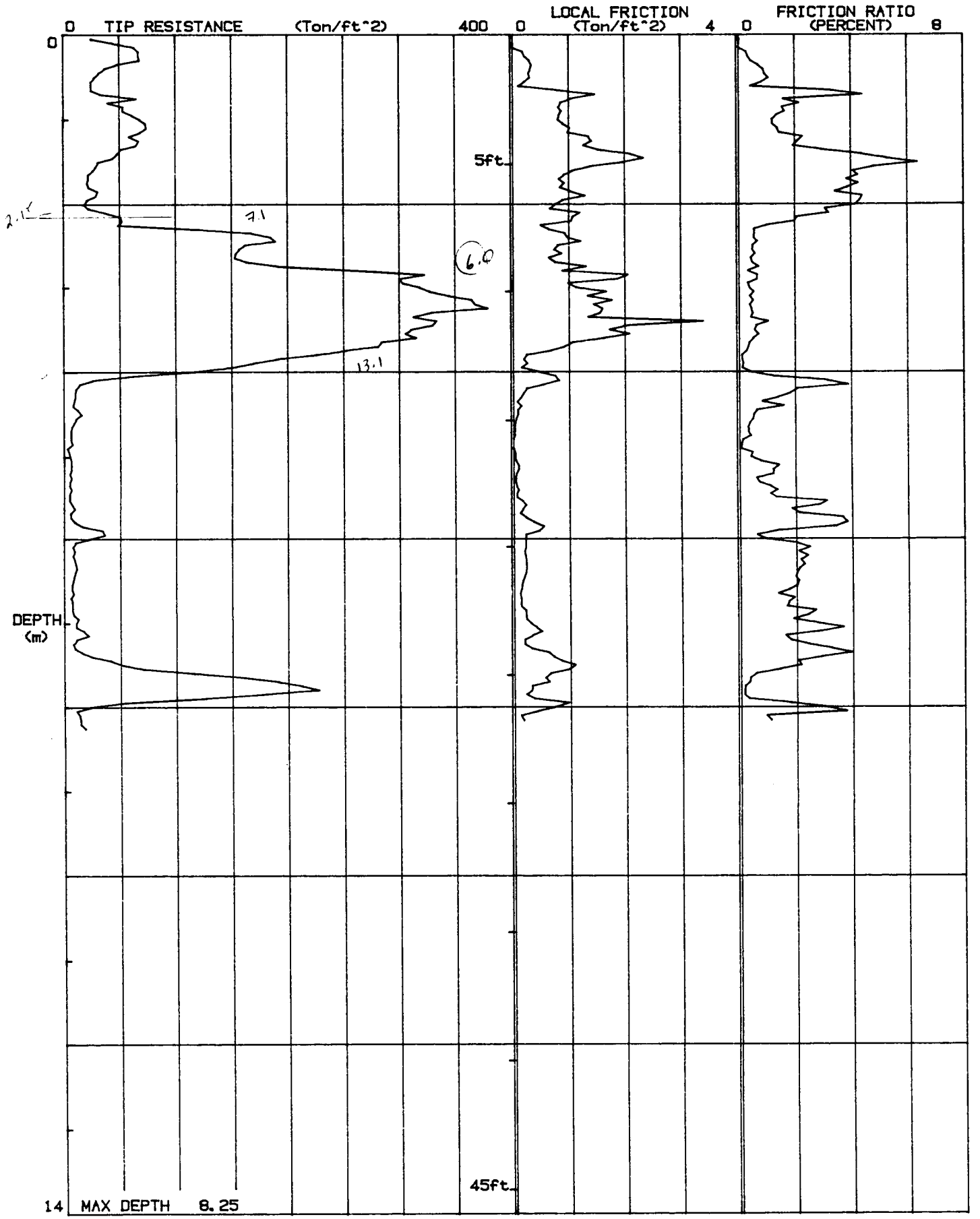
JOB # : 044-0134IRSCF9
DATE : 07/08/91 13:45
LOCATION : CPT-02
FILE : 2



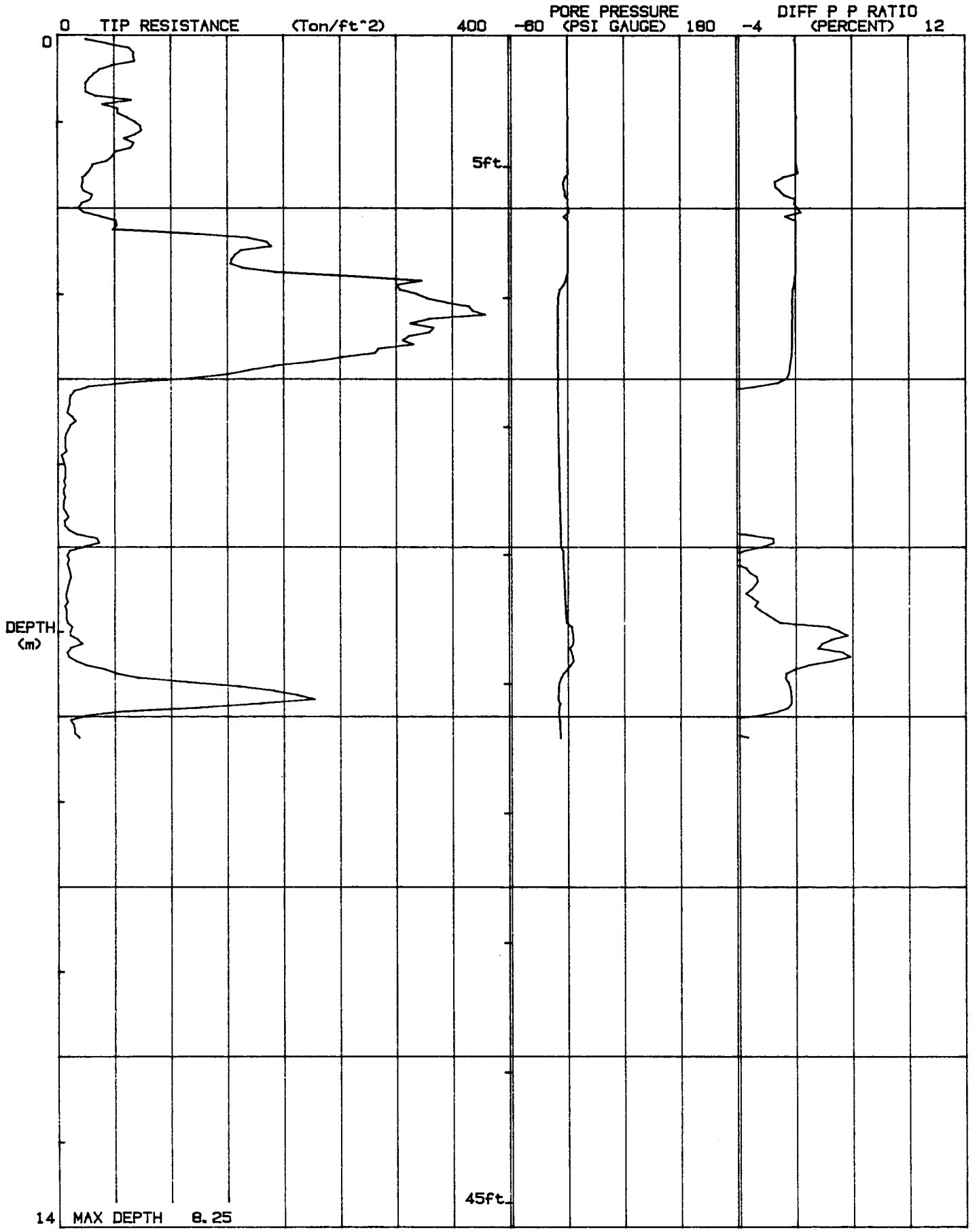
JOB # : 044-0134IRSCF9
DATE : 07/08/91 13:45
LOCATION : CPT-02
FILE : 2



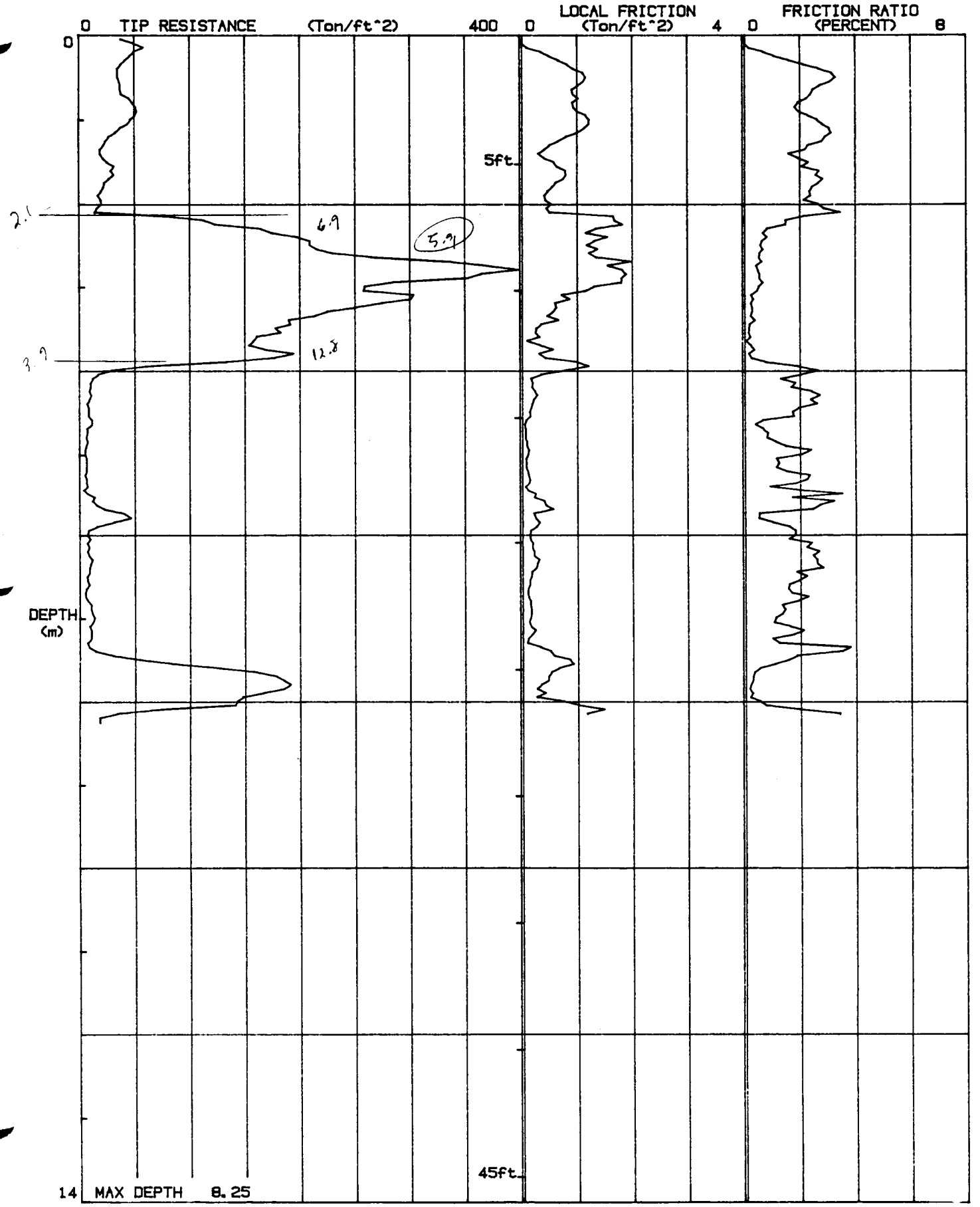
JOB # : 044-0134IRSCF9
DATE : 07/08/91 15:55
LOCATION : CPT-03A
FILE : 4



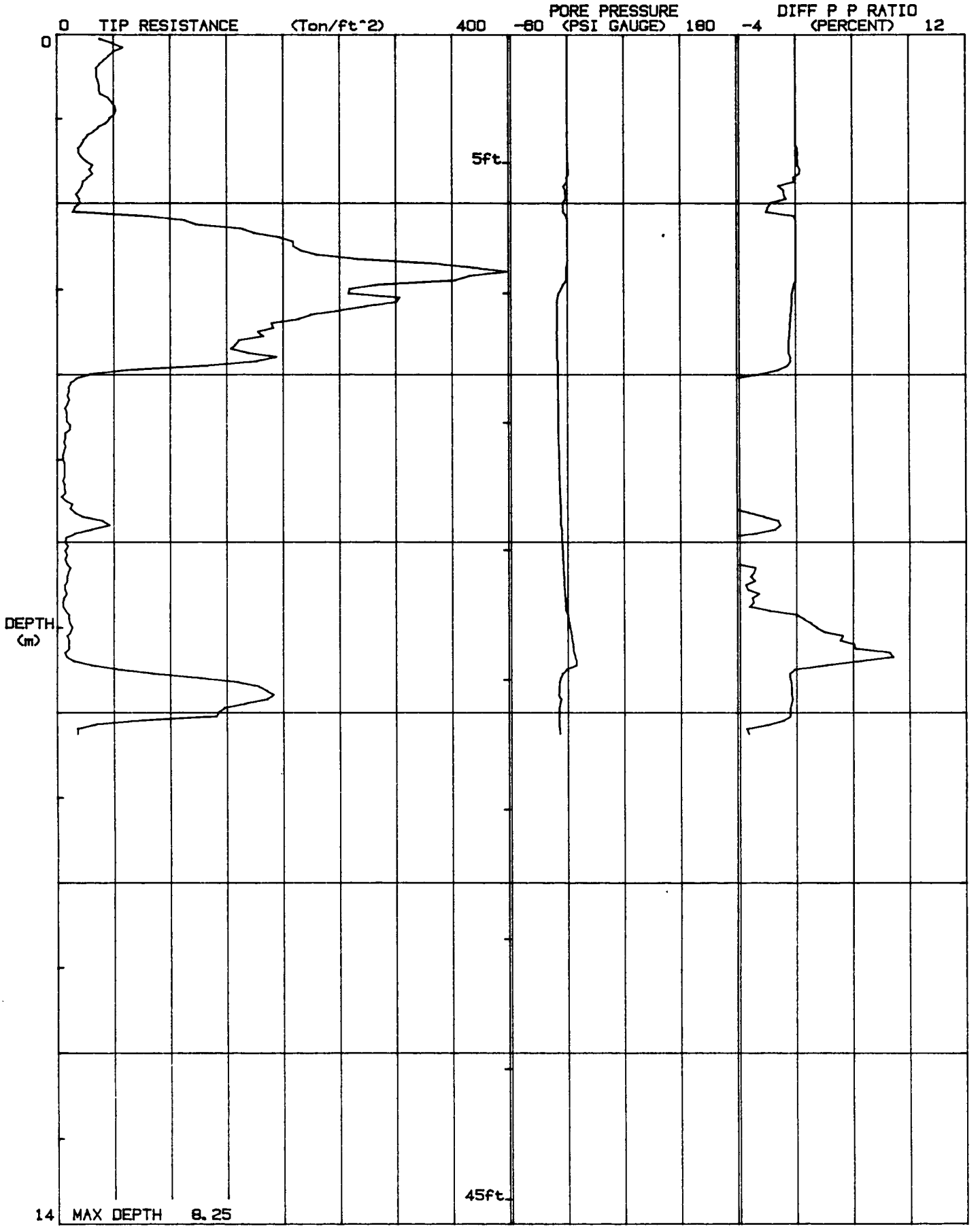
JOB # : 044-0134IRSCF9
DATE : 07/08/91 15:55
LOCATION : CPT-03A
FILE : 4



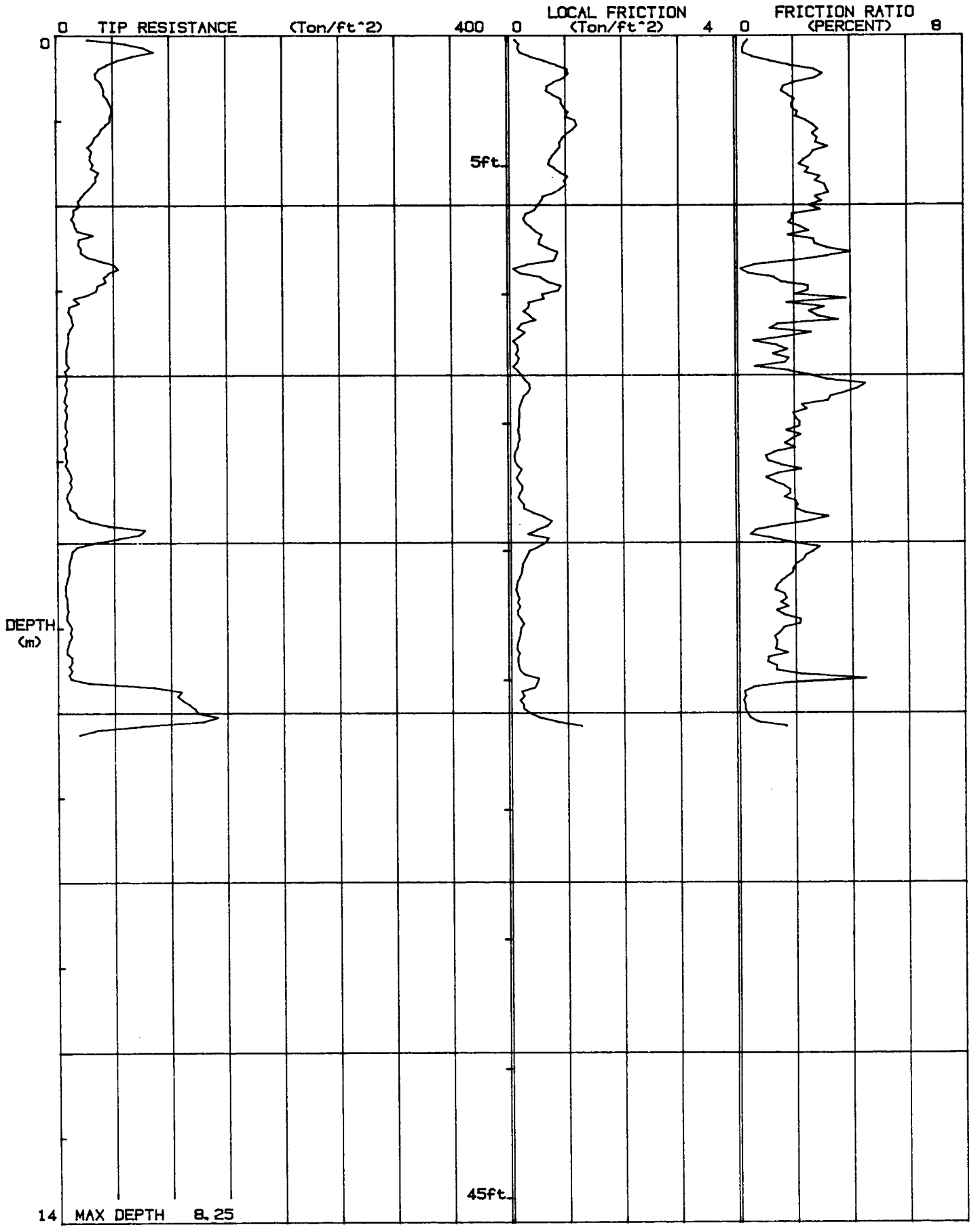
JOB # : 044-0134IRSCF9
DATE : 07/08/91 17:05
LOCATION : CPT-04
FILE : 5



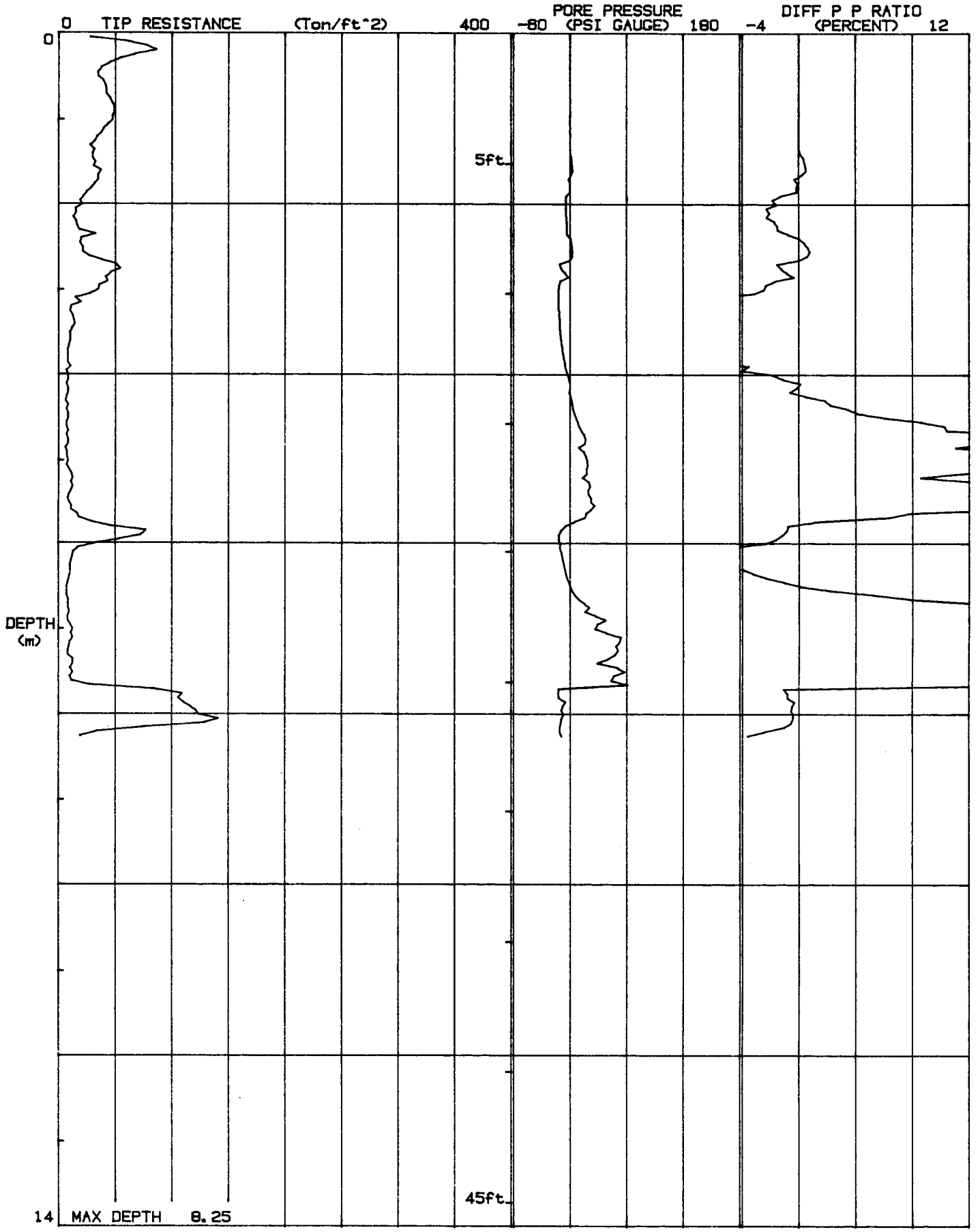
JOB # : 044-0134IRSCF9
DATE : 07/08/91 17:05
LOCATION : CPT-04
FILE : 5



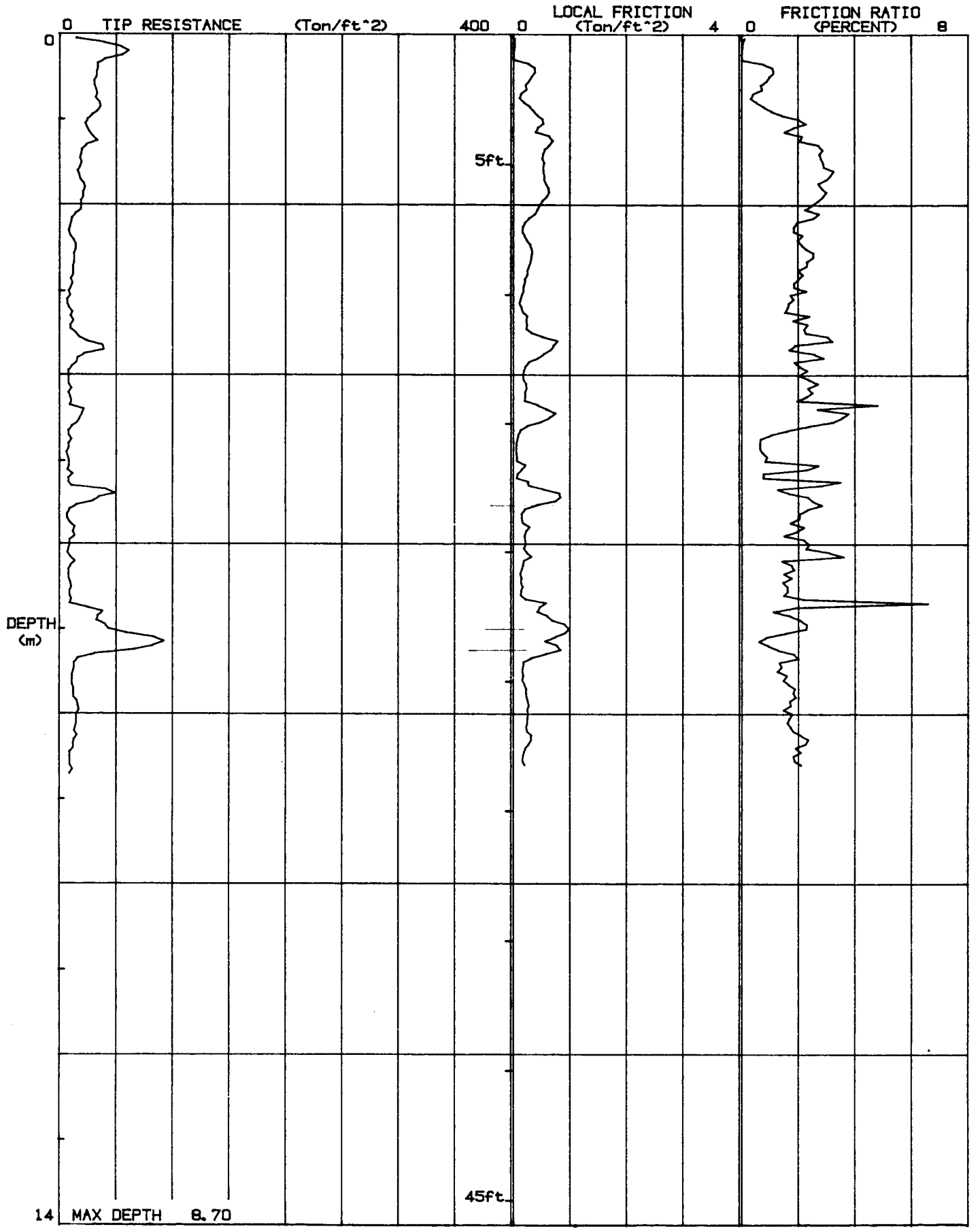
JOB # : 044-0134IRSCF9
DATE : 07/09/91 08:35
LOCATION : CPT-05
FILE : 6



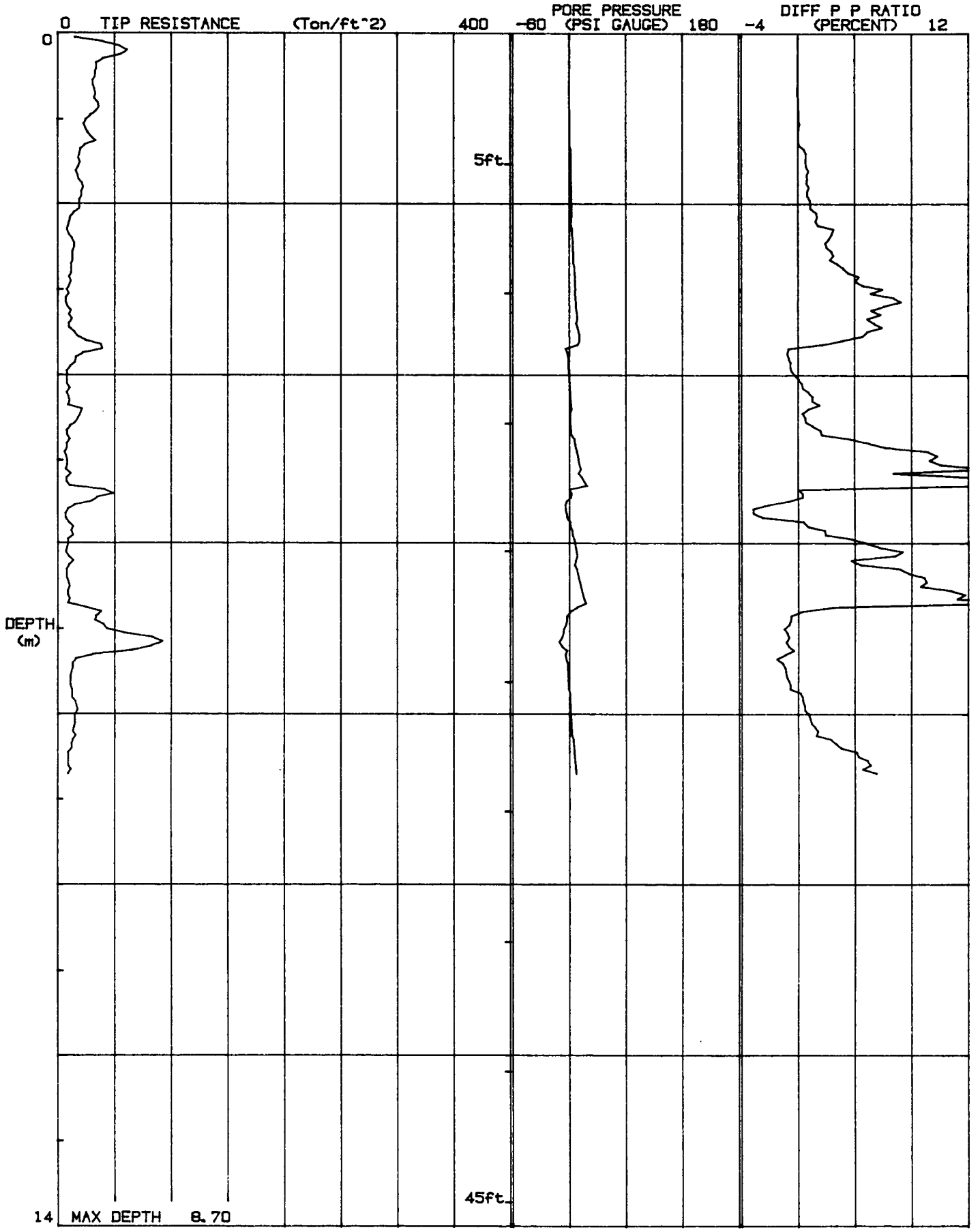
JOB # : 044-0134IRSCF9
DATE : 07/09/91 08:35
LOCATION : CPT-05
FILE : 6



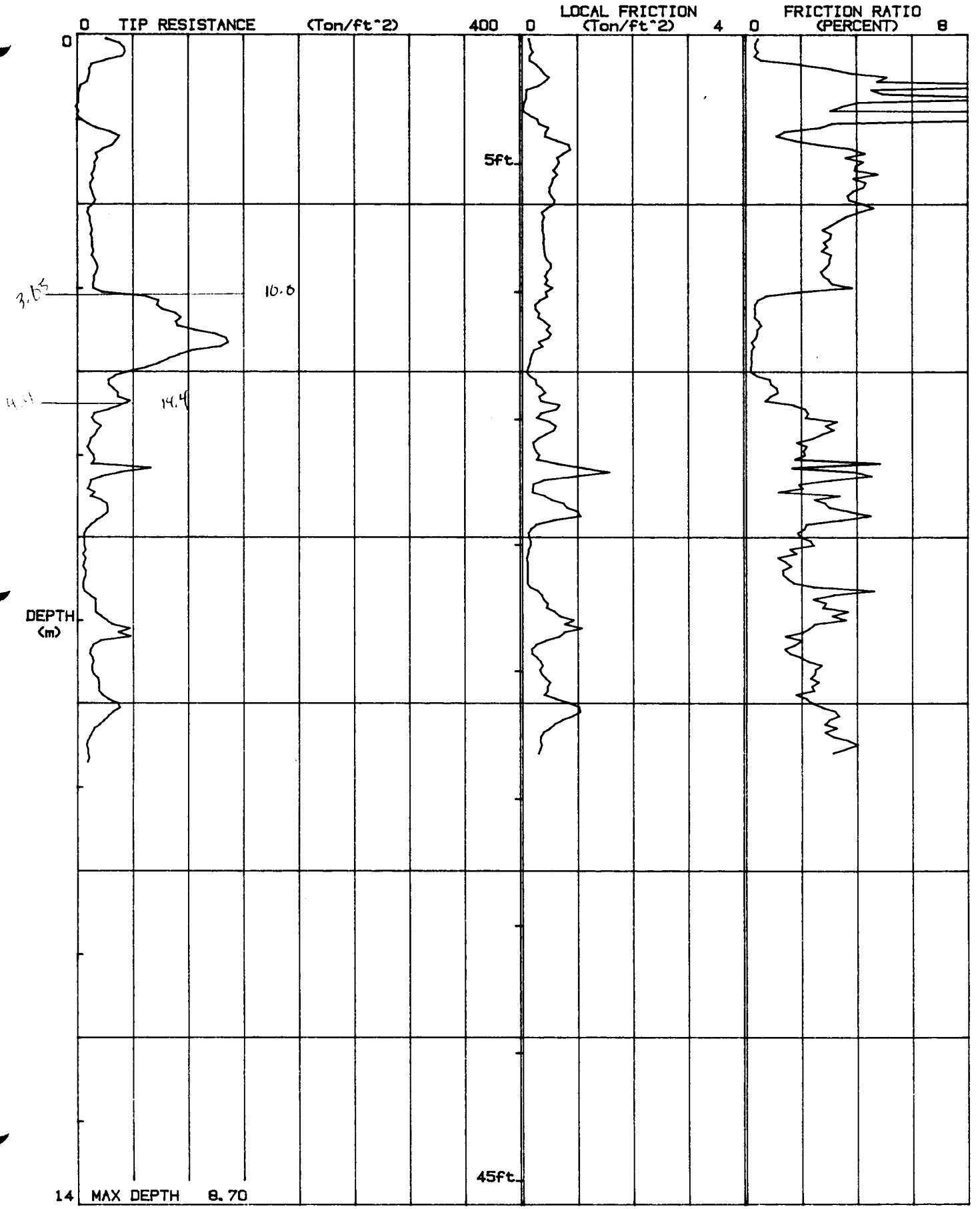
JOB # : 044-0134IRSCF9
DATE : 07/09/91 14:35
LOCATION : CPT-06
FILE : 7



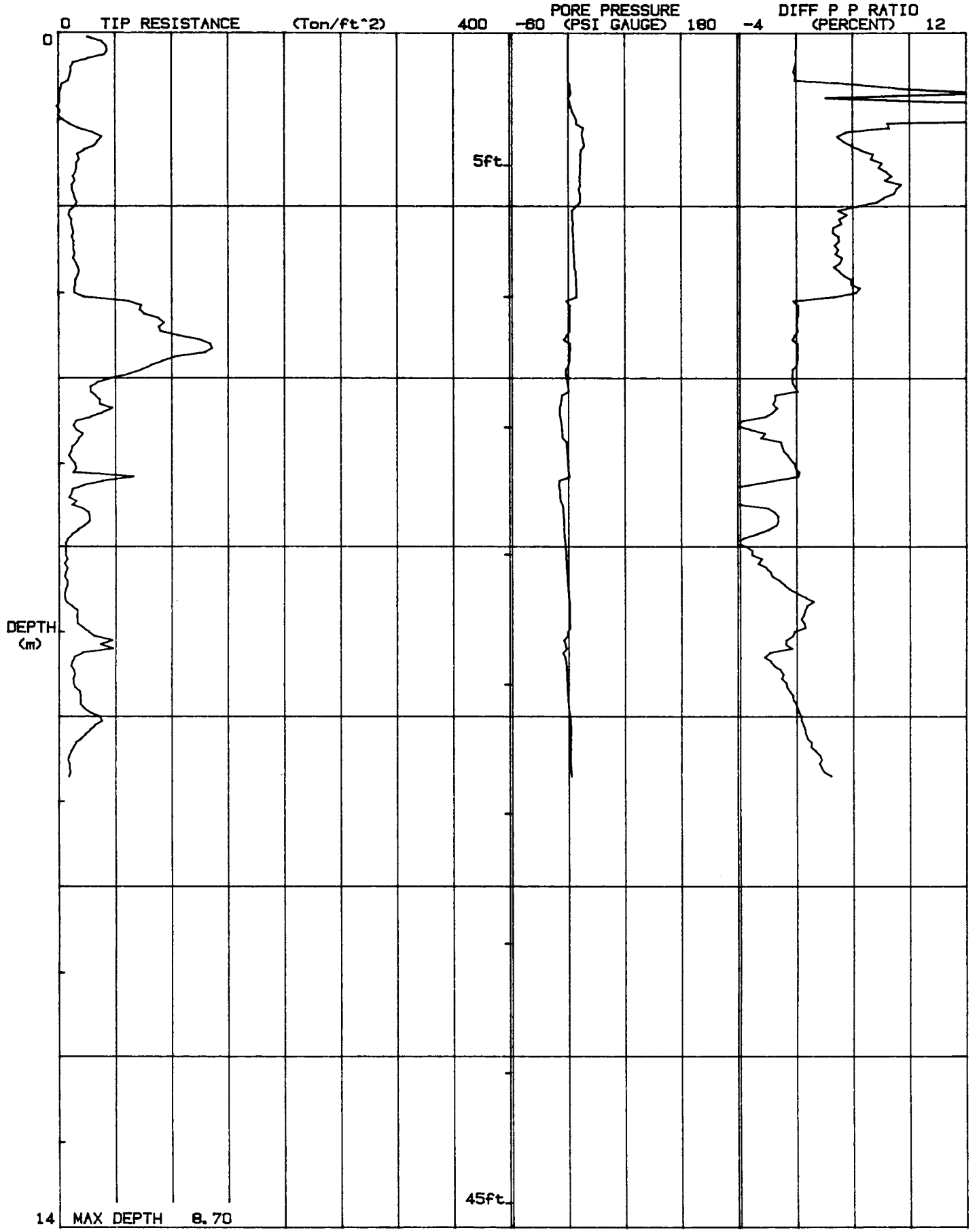
JOB # : 044-0134IRSCF9
DATE : 07/09/91 14:35
LOCATION : CPT-06
FILE : 7



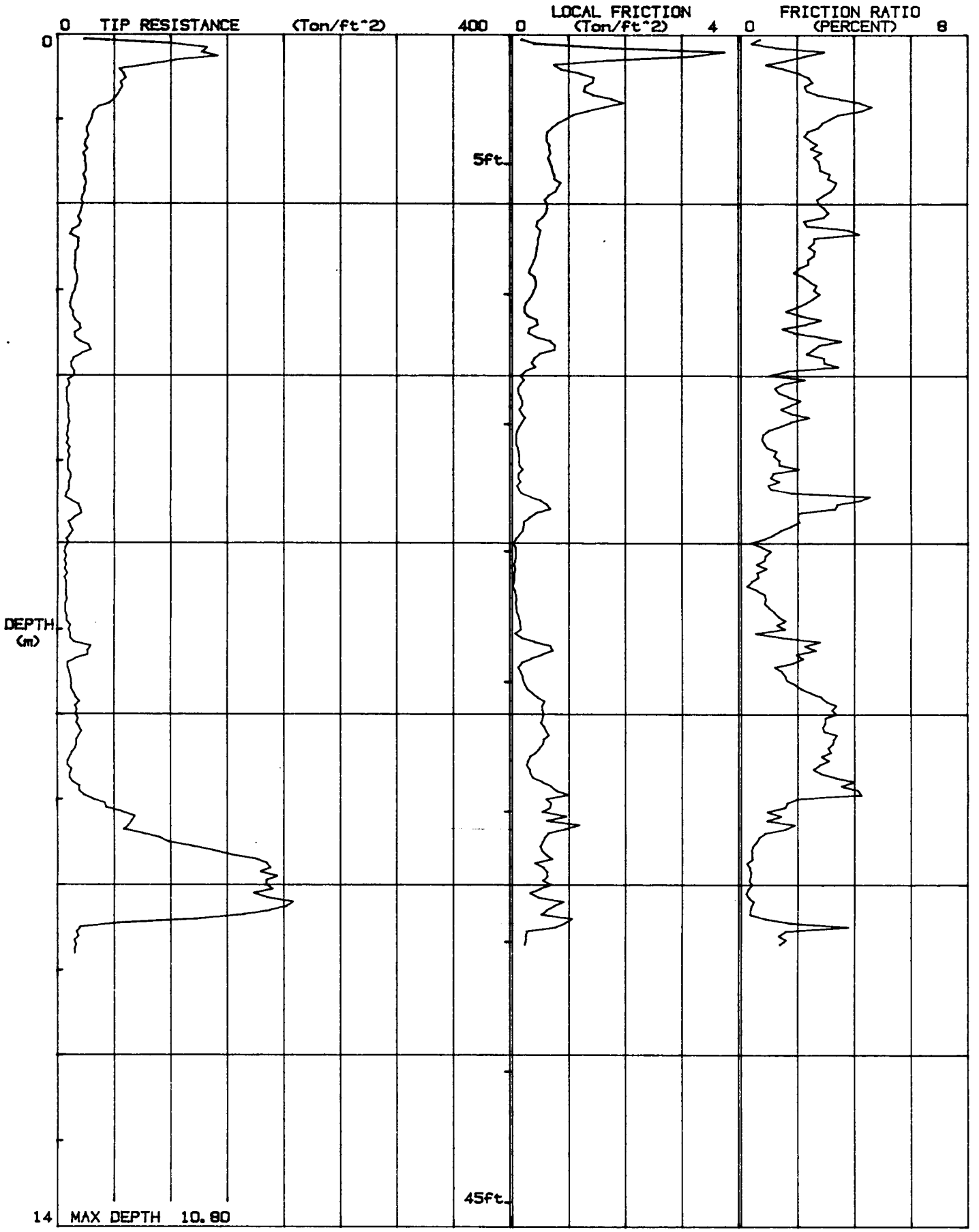
JOB # : 044-0134IRSCF9
DATE : 07/09/91 15:45
LOCATION : CPT-07
FILE : 8



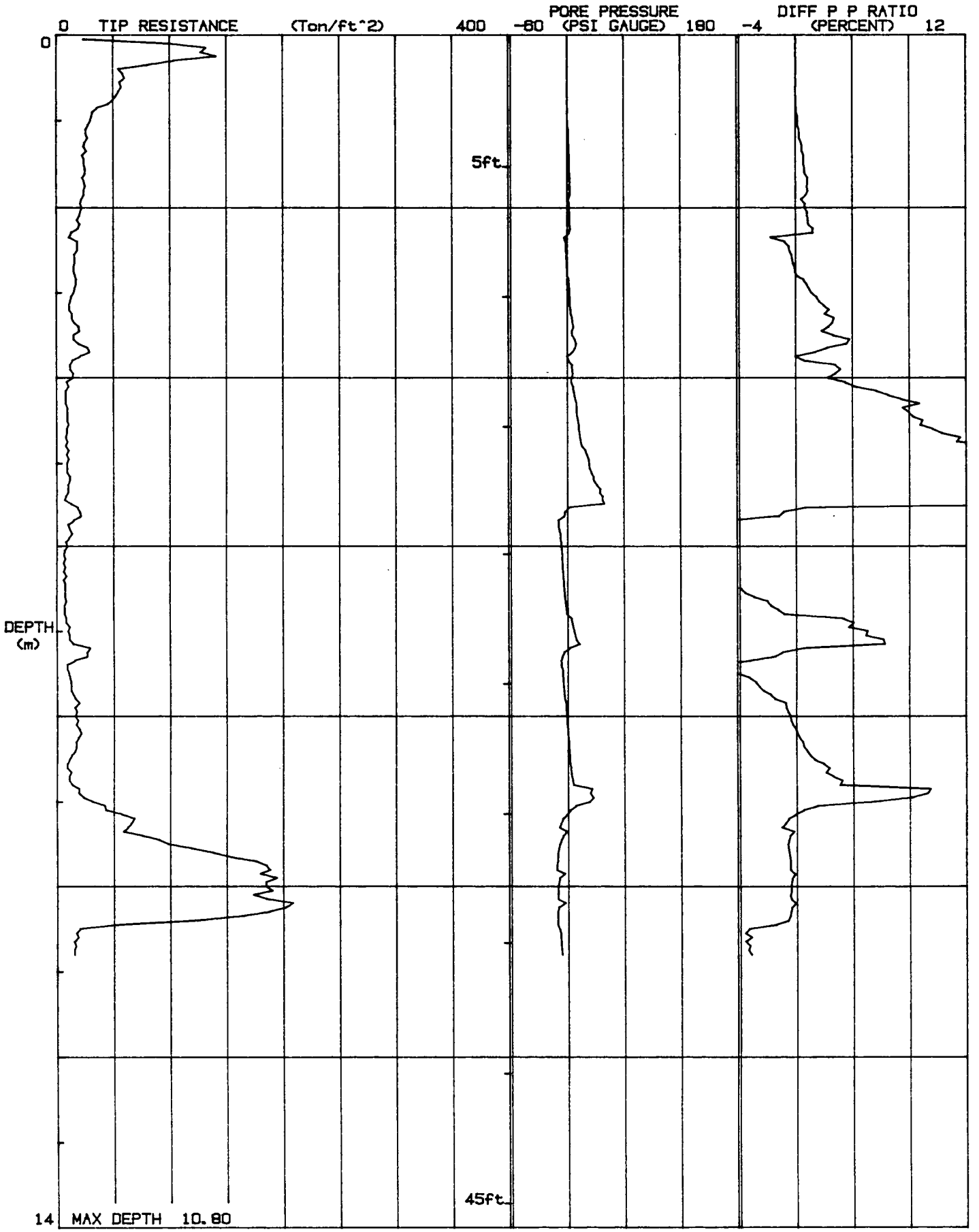
JOB # : 044-0134IRSCF9
DATE : 07/09/91 15:45
LOCATION : CPT-07
FILE : 8



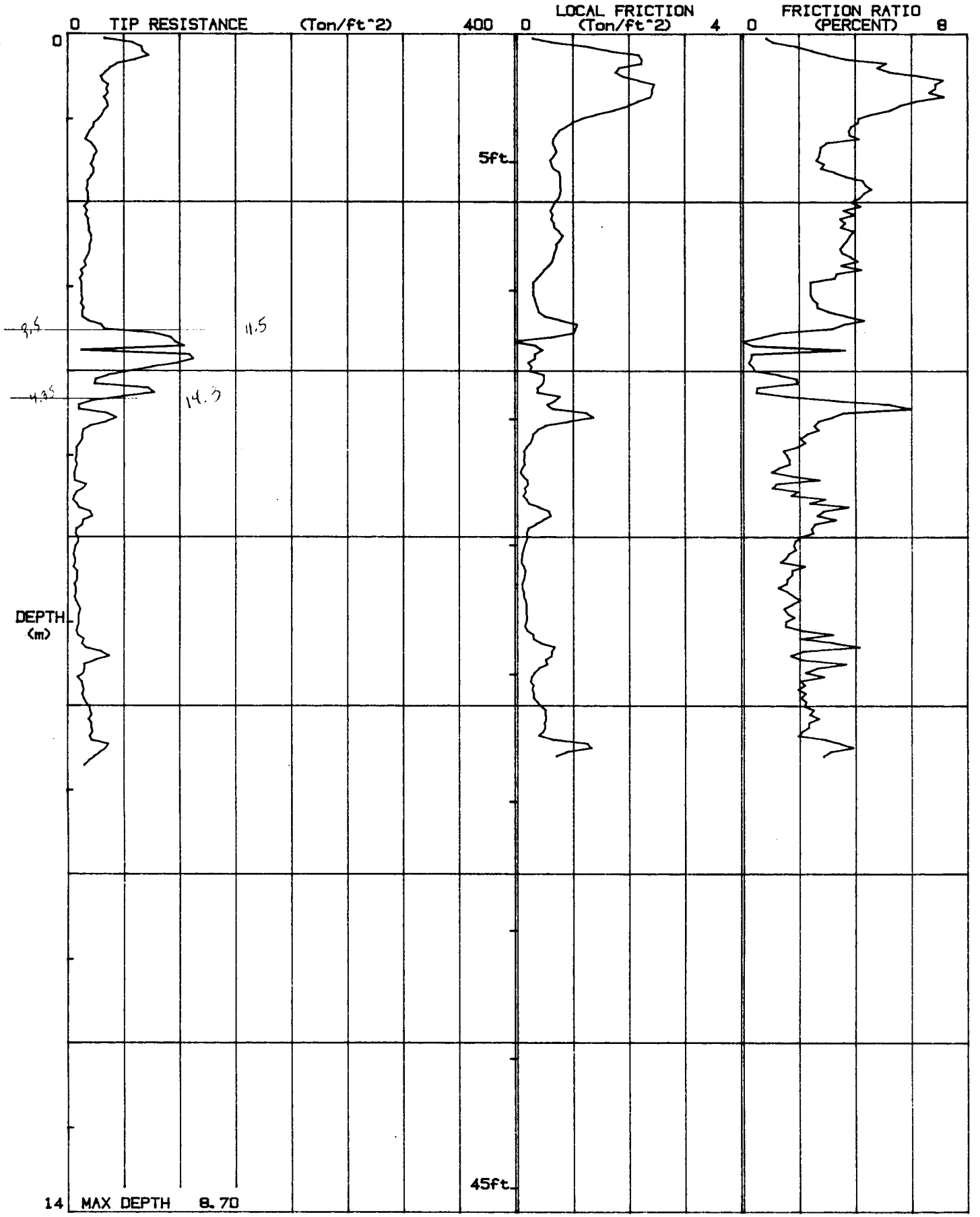
JOB # : 044-0134IRSCF9
DATE : 07/10/91 08:35
LOCATION : CPT-08
FILE : 9



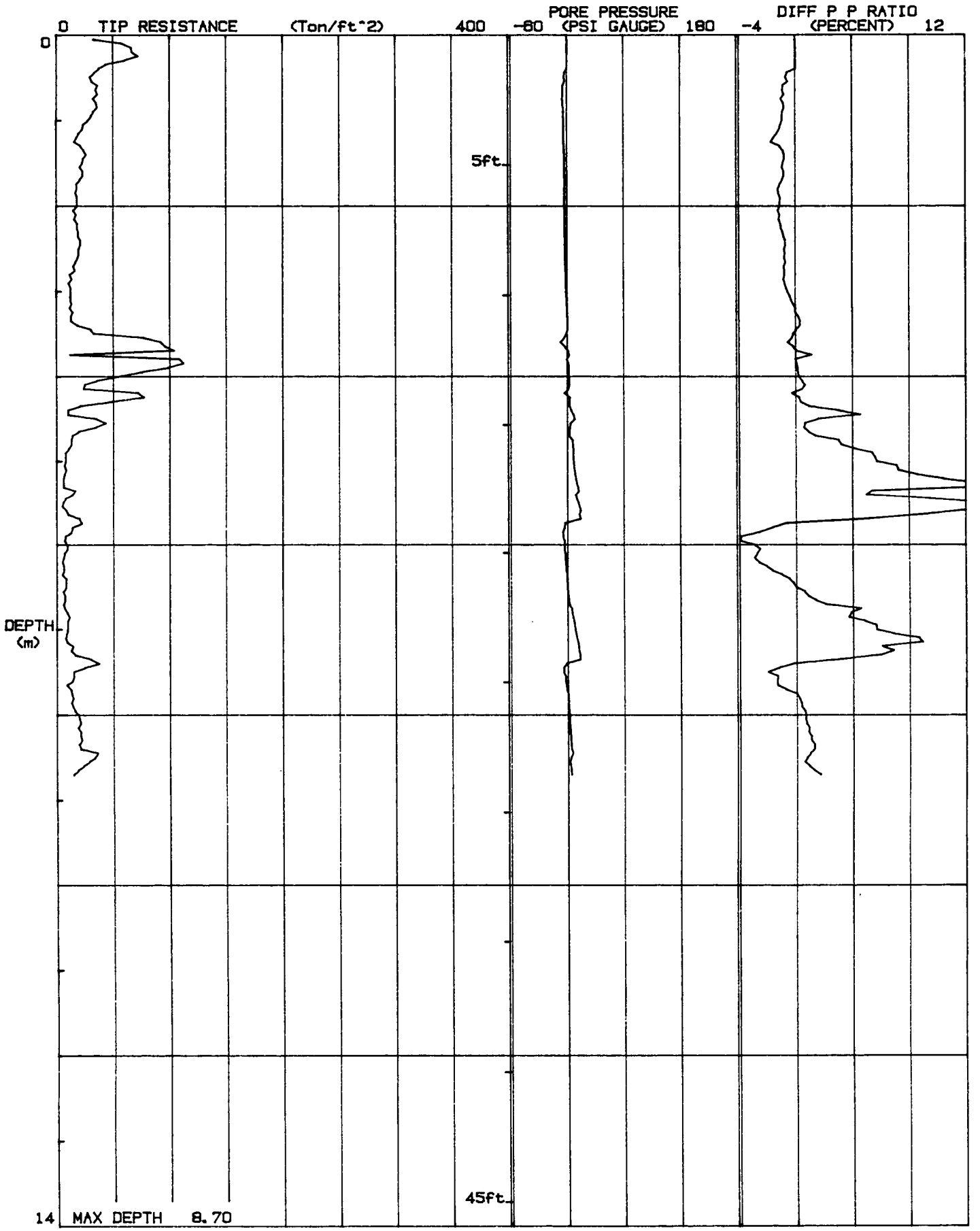
JOB # : 044-0134IRSCF9
DATE : 07/10/91 08:35
LOCATION : CPT-08
FILE : 9



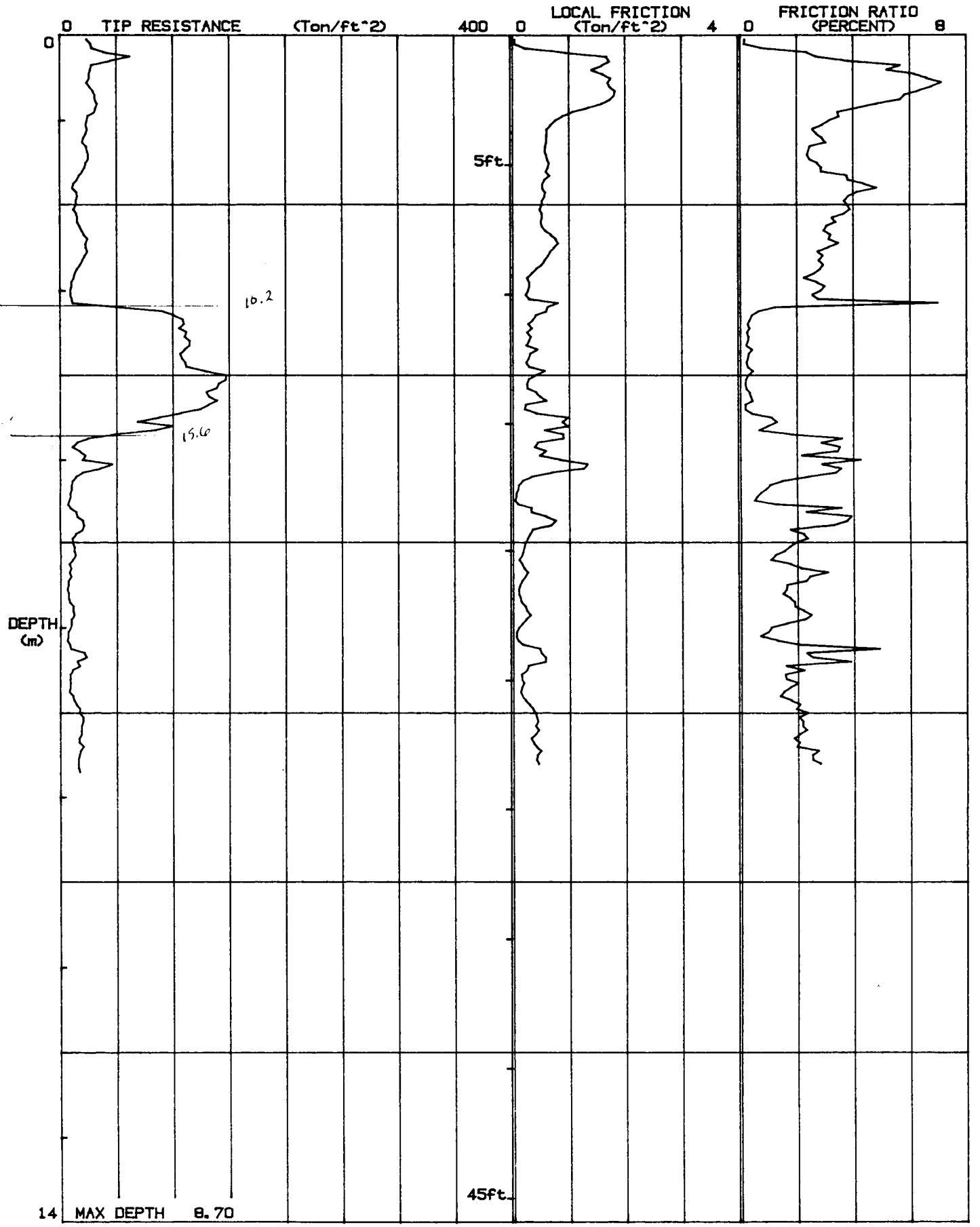
JOB # : 044-0134IRSCF9
DATE : 07/10/91 13:00
LOCATION : CPT-09
FILE : 11



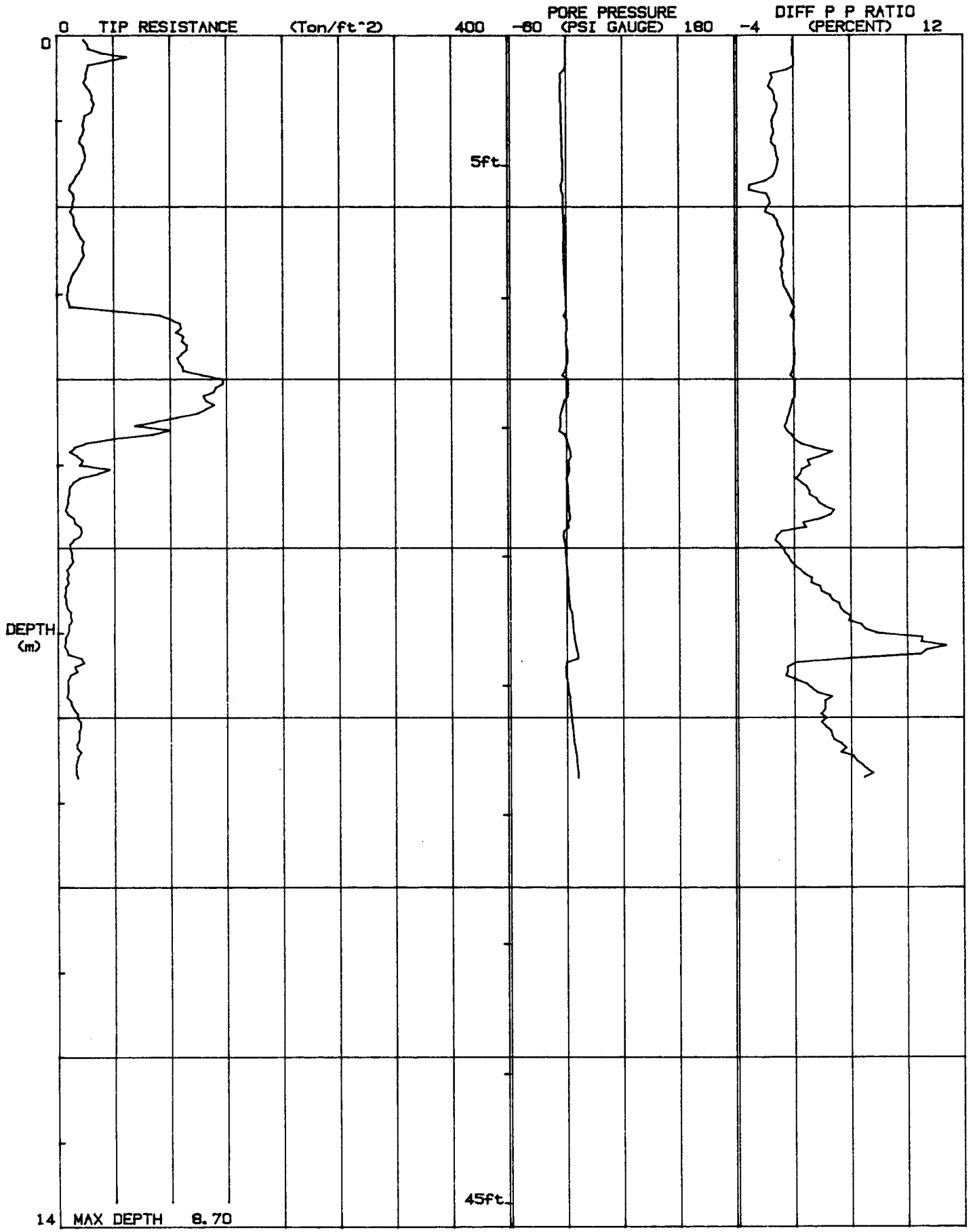
JOB # : 044-0134IRSCF9
DATE : 07/10/91 13:00
LOCATION : CPT-09
FILE : 11



JOB # : 044-0134IRSCF9
DATE : 07/10/91 14:35
LOCATION : CPT-10
FILE : 12



JOB # : 044-0134IRSCF9
DATE : 07/10/91 14:35
LOCATION : CPT-10
FILE : 12



APPENDIX C

SOIL BORING LOGS AND WELL COMPLETION RECORDS

FIELD BORELOG

LOCATION OF BOREHOLE			
JOB No.	044-0134IRSCF9	BOREHOLE DESIGNATION	SB009-100 (W9-46(A1))
CLIENT	U.S. Navy	SURFACE ELEVATION	
SITE	NAS Moffett Field	DEPTH TO WATER	6.3 ft.
SUBSITE	009	LOGGED BY	Jim Wulff
DRILLING Co.	West Hazmat	DRILLING DATE(S)	7/25/91
DRILLING PERSONNEL/METHOD	1) Gene Reinhart 2) Tom Wright/Hollow Stem Auger		

SAMPLER TYPE	SAMPLE DEPTH TOP	SAMPLE DEPTH BOT	BLOWS/ 6" SAMPLE	RECOVERED/DRIVEN	TIME	PID Rdg.	ANAL PHY	ANAL CHEM	WELL Info.	DEPTH IN Ft	USCS SOIL TYPE/GRAPHIC LOG	SOIL DESCRIPTION
CC	0			3.5/5	1700	0				1		No sample
						0				2	FILL	Asphalt and fill
						0				3		Silty clay, trace sand, moderate brown (5 YR 4/4), slightly plastic, moist, very stiff
						0				4	CL	Sandy clay, trace gravel, moderate brown (5 YR 4/4), slightly plastic, moist, very stiff
		5								5		Silty clay, olive gray (5 Y 3/2), slightly plastic, moist, very stiff, rooted (growth position) maximum length is 2"
	5			5/5	1710			X				
						0			▼	6		At 6.3': Clayey silt, trace gravel and sand, olive gray (5 Y 3/2), non plastic, saturated, soft, sticky
										7	ML	
						0.3				8	CL	Silty clay, grayish green (10 GY 5/2) mottled with orange, moderately plastic, moist
										9	ML	Clayey silt, trace gravel, grayish green (10 GY 5/2), moist, gravel is subrounded, elongated
		10								10		Clay, olive gray (5 Y 3/2), plastic, moist, heavily rooted (growth position)
	10			3.5/5	1730			X				
										11		At 11.5': Silty clay, olive gray (5 Y 3/2), moderately plastic
										12	CL	At 12.0': Sandy clay, olive gray (5 Y 3/2), slightly plastic
						0.1				13		At 13.0': Silty clay, trace sand, olive gray (5 Y 3/2), slightly plastic, moist stiff, orange vertical streaks
						0.3				14		No sample from 13.5' to 15.0'
		15								15		Silty clay, as above
	15			5/5	1740			X				
										16	CL	Fining upwards from 18.0' to 16.0':
						2.3				17	SC	16.0'-16.5': Sandy clay, olive gray (5 Y 3/2) rooted zone ends at 16.6'.
						0.8				18	SM	16.5'-17.2': Clayey sand, 17.2'-18.0': Silty sand, sand is moderately sorted (fine to medium), moderate olive brown (5 Y 4/4)
						3.0				19	CL	Silty clay, olive gray (5 Y 3/2), moist, no roots
										20		

FIELD BORELOG

LOCATION OF BOREHOLE			
JOB No.	044-0134IRSCF9	BOREHOLE DESIGNATION	SB009-100 (W9-46(A1))
CLIENT	U.S. Navy	SURFACE ELEVATION	
SITE	NAS Moffett Field	DEPTH TO WATER	6.3 ft.
SUBSITE	009	LOGGED BY	Jim Wulff
DRILLING Co.	West Hazmat	DRILLING DATE(S)	7/25/91

DRILLING PERSONNEL/METHOD
1) Gene Reinhart 2) Tom Wright/Hollow Stem Auger

SAMPLER TYPE	SAMPLE DEPTH TOP	SAMPLE DEPTH BOT	BLOWS/ 6" SAMPLE	RECOVERED / DRIVEN	TIME	PID Rdg.	ANAL PHY	ANAL CHEM	WELL Info.	DEPTH IN Ft	USCS SOIL TYPE / GRAPHIC LOG	SOIL DESCRIPTION
CC	20			4/5	1755			X		21	CL	Sandy clay, trace gravel, grayish olive (10 Y 4/2), saturated, could be slough
						4.0					ML	Clayey silt, olive gray (5 Y 4/1), slightly plastic, wet, stiff
										22	CL	Silty clay, olive gray (5 Y 4/1), moist, stiff, rooted (maximum length 3"). At 22.5': Sandy clay, some gravel (10%), sand is fine grained, moderate brown (5 YR 3/4), maximum size of gravel is 1/2"
						3.0						
						2.5				23	GW	At 23.0': Sandy gravel, some silt, poorly sorted (all sand sizes), saturated, maximum size of gravel is 1"
						1.0				24		No sample
		25										
	25			4/5	1810					25	SP	Sand, well sorted (fine), dark yellowish brown (10 YR 4/2)
						3.0				26	ML	Silty clay, trace gravel, greenish gray (5 GY 5/1), plastic, moist to wet, stiff, occasional roots
						6.0		X		27	CL	From 27.0' - 27.5': As above, with some angular (brownish appearance) gravel (1/8" - 1/4") At 27.5': Clay, trace gravel (maximum size 1/8"), moderate yellow brown (10 YR 5/4), moist, organics, no roots, gravel is subround to round
										28		At 28.5': Sandy clay, 40% sand, trace gravel, moderate yellow brown (10 YR 5/4), wet, sand at 29'
						3.0				29		
		30								30		No sample
	30			0/5	1825					31		
										32		
										33		
										34		
		35								35		
										36		
										37		Boring Total Depth 35.0 ft.
										38		Well Total Depth 27.5 ft.
										39		
										40		

FIELD BORELOG

LOCATION OF BOREHOLE			
JOB No.	044-0134IRSCF9	BOREHOLE DESIGNATION	SB0009-101 (W9-44(A1))
CLIENT	U.S. Navy	SURFACE ELEVATION	
SITE	N.A.S. Moffett Field	DEPTH TO WATER	11.3 ft.
SUBSITE	009	LOGGED BY	Jim Wulff
DRILLING Co.	West Hazmat	DRILLING DATE(S)	7/26/91
DRILLING PERSONNEL/METHOD 1) Gene Reinhart 2) Tom Wright/Hollow Stem Auger			

SAMPLER TYPE	SAMPLE DEPTH TOP	SAMPLE DEPTH BOT	BLOWS/ 6" SAMPLE	RECOVERED/DRIVEN	TIME	PID Rdg.	ANAL PHY	ANAL CHEM	WELL Info.	DEPTH IN Ft	USCS SOIL TYPE/GRAPHIC LOG	SOIL DESCRIPTION
CC	0			4/5	1015					1		No sample
											FILL	Fill
						0				2		At 1.7': Silty clay, olive black (5 Y 2/1), non plastic, moist, very stiff, organics
										3	CL	
										4		
		5										At 4.8': Clayey silt, trace gravel, grayish green (10 GY 5/2), non plastic, moist, very soft, roots, gravel is subangular (1/2" maximum)
	5			5/5	1020	0		X		5	ML	Gradual transition to silty clay, dusky yellow green (5 GY 5/2), moderately plastic, roots, becomes slightly mottled at 7.0'
										6		
										7	CL	
						0				8		At 7.7': Silty clay, some gravel (10%), dusky yellow green (5 GY 5/2), 2" cobble at 8.0'
												At 8.5" Clayey silt, trace gravel (1/8" maximum), dusky yellow green (5 GY 5/2), organics, roots
										9	ML	At 9.7': Silty Clay
		10									CL	At 10.0': Clayey silt, grayish olive (10 Y 4/2), non plastic, moist, soft, no roots
	10			4/5	1030			X		10		
						0			▼	11	ML	At 11.3': Silty sand, sand is well sorted (very fine grained), no gravel, saturated
											SM	At 11.8': Sand, well sorted (medium)
										12	SP	At 12.4': Sandy gravel, poorly sorted, grayish black (N2), saturated, orange horizontal streaks, 3" long cobble at 13.0
										13		
						0				14	GW	No sample (assumed to be gravel)
		15										At 15.0': Sand, well sorted (fine), dark greenish gray (5 GY 4/1), saturated
	15			4/5	1045					15	SP	At 15.5': Sand, moderately sorted (medium), dark greenish gray (5 GY 4/1), saturated
										16	SW	At 16.3': Sandy gravel, poorly sorted, gravel is subrounded to subangular
						1.5				17	GW	
						0.3				18		At 18.2': Sand, fine, poorly sorted, some gravel, dark greenish gray (5 GY 4/1), saturated
											SW	
										19		No sample
										20		

FIELD BORELOG

LOCATION OF BOREHOLE			
JOB No.	044-0134IRSCF9	BOREHOLE DESIGNATION	SB009-101 (W9-44(A1))
CLIENT	U.S. Navy	SURFACE ELEVATION	
SITE	NAS Moffett Field	DEPTH TO WATER	11.3 ft.
SUBSITE	009	LOGGED BY	Jim Wulff
DRILLING Co.	West Hazmat	DRILLING DATE(S)	7/26/91
DRILLING PERSONNEL/METHOD 1) Gene Reinhart 2) Tom Wright/Hollow Stem Auger			

SAMPLER TYPE	SAMPLE DEPTH TOP	SAMPLE DEPTH BOT	BLOWS/ 6" SAMPLE	RECOVERED / DRIVEN	TIME	PID Rdg.	ANAL PHY	ANAL CHEM	WELL Info.	DEPTH IN Ft	USCS SOIL TYPE / GRAPHIC LOG	SOIL DESCRIPTION
CC	20			2.5/5	1050					21	SW / SC	Sand, as at 18.2'. Clayey sand, fine, saturated
						0						Sandy clay, dusky yellow green (5 GY 5/2), slightly plastic
										22	CL	At 22.2': Clay, dusky yellow green (5 GY 5/2), plastic moist
								X				
						0				23		No sample
										24		
						↑						
		25								25		At 25.0': Clay, dark greenish gray (5 GY 4/1), plastic, moist, occasional white gastropods, very few roots, no sand or gravel
	25			5/5	1105			X				
										26		
						PID						
						NOT				27	CL	
						WKG						
										28		
												At 28.7': Clay, as above, trace gravel, dusky yellow green (5 GY 5/2), gravels are angular
										29		At 29.5': Sandy clay, dusky yellow green (5 GY 5/2), plastic moist
		30				↓				30		
										31		Boring Total Depth 30.0 ft.
										32		Well Total Depth 25.5 ft.
										33		
										34		
										35		
										36		
										37		
										38		
										39		
										40		

FIELD BORELOG

LOCATION OF BOREHOLE			
JOB No.	044-0134IRSCF9	BOREHOLE DESIGNATION	SB009-102 (W9-45(A1))
CLIENT	U.S. Navy	SURFACE ELEVATION	
SITE	NAS Moffett Field	DEPTH TO WATER	12.8 ft.
SUBSITE	009	LOGGED BY	Jim Wulff
DRILLING Co.	West Hazmat	DRILLING DATE(S)	7/31/91

DRILLING PERSONNEL/METHOD
1) Gene Reinhart 2) Tom Wright/Hollow Stem Auger

SAMPLER TYPE	SAMPLE DEPTH TOP	SAMPLE DEPTH BOT	BLOWS/ 6" SAMPLE	RECOVERED / DRIVEN	TIME	PID Rdg.	ANAL PHY	ANAL CHEM	WELL Info.	DEPTH IN Ft	USCS SOIL TYPE / GRAPHIC LOG	SOIL DESCRIPTION
CC	0			4/5	0748					1		No sample
												Fill material
										2	FILL	
												Silty clay, trace gravel, olive gray (5 Y 4/1), slightly plastic, damp, hard
										3		
										4	CL	
		5								5		
	5			5/5	0750	↑		X				
										6		At 6.0': Sandy clay, olive gray (5 Y 4/1), moist, soft
											SP	At 6.5': Sand, well sorted (fine to medium), some silt, olive gray (5 Y 4/1)
										7		At 6.9': Sand, well sorted (very fine grained), some silt, olive gray (5 Y 4/1)
						PID						At 7.2': Silty clay, trace gravel, olive gray (5 Y 3/2), moist, rooted
						NOT				8	CL	
						WKG						
										9		
		10										At 9.6': Sand, moderately sorted (fine sand with some coarse sand), trace gravel, moderate yellow brown (10 YR 5/4), moist
											SP	
	10			5/5	0800	↓				10	GW	At 10.0': Sandy, clayey gravel, poorly sorted, 10-20% fines, greenish black (5 G 2/1), could be slough
										11	SC	At 10.5': Clayey sand, very fine grained, 30% fines, greenish black (5 G 2/1), moist, rooted
								X		12	CL	Gradual transition to sandy clay, sand is very fine grained, greenish black (5 G 2/1), plastic, moist
												At 12.8': Silty sand, sand is well sorted (no coarse sand or gravel), saturated, rooted
										13		
										14	SM	
		15										
	15			2.5/5	0810					15		Sandy gravel, poorly sorted (80% gravel, 20% sand), olive gray (5 Y 4/1), becoming light olive brown (5 Y 5/6), near bottom, saturated, gravel is subrounded to subangular
										16	GW	
										17	CL	Silty clay, trace gravel and coarse sand, greenish gray (5 G 6/1), moderately plastic, soft, rooted
										18		No sample (lithologic log of adjacent well W9-21(A2) shows sand)
										19		
		20								20	SP	At 20.0': Sand, well sorted (fine), could be slough

FIELD BORELOG

LOCATION OF BOREHOLE			
JOB No.	044-0134IRSCF9	BOREHOLE DESIGNATION	SB009-102 (W9-45(A1))
CLIENT	U.S. Navy	SURFACE ELEVATION	
SITE	NAS Moffett Field	DEPTH TO WATER	12.8 ft.
SUBSITE	009	LOGGED BY	Jim Wulff
DRILLING Co.	West Hazmat	DRILLING DATE(S)	7/31/91
DRILLING PERSONNEL/METHOD 1) Gene Reinhart 2) Tom Wright/Hollow Stem Auger			

SAMPLER TYPE	SAMPLE DEPTH TOP	SAMPLE DEPTH BOT	BLOWS/ 6" SAMPLE	RECOVERED / DRIVEN	TIME	PID Rdg.	ANAL PHY	ANAL CHEM	WELL Info.	DEPTH IN Ft	USCS SOIL TYPE GRAPHIC LOG	SOIL DESCRIPTION
CC	20			4/5	0822					21	CL	At 20.2': Sandy gravelly clay, 50-60% fines, 10% gravel, greenish black (5 GY 2/1), saturated
											SC	At 21.0': Clayey sand, 30% fines, greenish black (5 GY 2/1), saturated
										22	CL	At 21.4': Sandy clay, sand is very fine grained, trace gravel, moist to wet, soft, sand increases with depth At 22.8': Color change to moderate yellow brown (10 YR 5/4), gradual transition to sand, poorly sorted (fine to coarse), saturated
										23		
										24	SW	No sample
		25				↑		X				
	25			5/5	0835	PID				25	SW	25' to 25.4': Sand as above, olive gray (5 Y 4/1) 25.4' to 25.7': Clayey sand, fine grained, 40% fines, dusky yellow (5 Y 6/4)
						NOT				26	SC SP SC	25.7' to 25.9': Sand, well sorted (fine grain), trace fines, dusky yellow (5 Y 6/4) At 25.9': Sharp, wavy contact, dark yellowish orange (10 YR 6/6) at contact, below contact: Clayey sand, very fine grained, medium bluish gray (5 B 5/1)
						WKG				27	CL	
						↓				28		At 26.0': Clay, trace sand, medium bluish gray (5 B 5/1), plastic, moist, occasional fossils (small gastropods and pelecypods), and organics (small plat fragments), occasional lenses of very fine sand At 27.0': Clay, some gravel (10%), trace sand (5%), dark greenish gray (5 G 4/1), moist gravel has angular, branching appearance (dark gray matrix with small, black acicular crystals) maximum size ≈ 1/2", no organics
										29		
		30						X		30	SC	At 27.8': Silty clay, grayish olive (10 Y 4/2), mottled with dark greenish gray (5 G 4/1), moderately plastic, moist, alternating thin beds of silty clay and fine sand between 28.3' and 28.6'
										31		At 28.6': Sandy clay, sand is very fine grained, moderate olive brown (5 Y 4/4), mottled, slightly plastic, moist, occasional sand lenses, occasional white, calcitic inclusions (elongated, oriented in vertical direction)
										32		At 29.7': Sand, very fine grained, some clay (10%), moderate olive brown (5 Y 4/4)
										33		
										34		Boring Total Depth 30.0 ft.
										35		Well Total Depth 23.5 ft.
										36		
										37		
										38		
										39		
										40		

PRC ENVIRONMENTAL MANAGEMENT, INC.

FIELD BORELOG

SHEET 1 OF 2

LOCATION OF BOREHOLE				
	JOB NO.	044-0134IRSCF9	BOREHOLE DESIGNATION	SB009-103
	CLIENT	U.S. Navy	SURFACE ELEVATION	
	SITE	NAS Moffett Field	DEPTH TO WATER	
	SUBSITE	009	LOGGED BY	Jim Wulff
	DRILLING Co.	West Hazmat	DRILLING DATE(S)	7/30/91
	DRILLING PERSONNEL/METHOD			
	1) Gene Reinhart	2) Tom Wright/Hollow Stem Auger		

	SAMPLE DEPTH TOP	SAMPLE DEPTH BOT	BLOWS/ 6" SAMPLE	RECOVERED / DRIVEN	TIME	PID Rdg.	ANLYS PHY	ANLYS CHEM	WELL Info.	DEPTH IN Ft	USCS SOIL TYPE / GRAPHIC LOG	SOIL DESCRIPTION
CC	0				1020					1		
		2								2		No sample, cuttings indicate clay
	2			0/2						3		
										4		
										5		
										6		
		7								7		No sample, cuttings indicate clay
	7			0/5						8		
										9		
										10		
										11		
		12								12		No sample, cuttings indicate clay
	12			0/5						13		
										14		
										15		
										16		
		17								17		No sample, cuttings indicate clay
	17			0/5						18		
										19		
										20		

PRC ENVIRONMENTAL MANAGEMENT, INC.

FIELD BORELOG

SHEET 2 OF 2

LOCATION OF BOREHOLE			
JOB NO.	044-0134IRSCF9	BOREHOLE DESIGNATION	SB009-103
CLIENT	U.S. Navy	SURFACE ELEVATION	
SITE	NAS Moffett Field	DEPTH TO WATER	
SUBSITE	009	LOGGED BY	Jim Wulff
DRILLING Co.	West Hazmat	DRILLING DATE(S)	7/30/91
DRILLING PERSONNEL/METHOD			
1) Gene Reinhart	2) Tom Wright/Hollow Stem Auger		

SAMPLER TYPE	SAMPLE DEPTH TOP	SAMPLE DEPTH BOT	BLOWS/ 6" SAMPLE	RECOVERED / DRIVEN	TIME	PID Rdg.	ANLYS PHY	ANLYS CHEM	WELL Info.	DEPTH IN Ft	USCS SOIL TYPE / GRAPHIC LOG	SOIL DESCRIPTION
										1		
		22								2		Boring Total Depth 22.0 ft.
	22											Grouted to surface
										3		
										4		
										5		
										6		
										7		
										8		
										9		
										10		
										11		
										12		
										13		
										14		
										15		
										16		
										17		
										18		
										19		
										20		

FIELD BORELOG

LOCATION OF BOREHOLE			
JOB No.	044-0134IRSCF9	BOREHOLE DESIGNATION	SB009-104
CLIENT	U.S. Navy	SURFACE ELEVATION	
SITE	NAS Moffett Field	DEPTH TO WATER	14.5 ft.
SUBSITE	009	LOGGED BY	Jim Wulff
DRILLING Co.	West Hazmat	DRILLING DATE(S)	7/30/91
DRILLING PERSONNEL/METHOD 1) Gene Reinhart 2) Tom Wright/Hollow Stem Auger			

SAMPLER TYPE	SAMPLE DEPTH TOP	SAMPLE DEPTH BOT	BLOWS/6" SAMPLE	RECOVERED/DRIVEN	TIME	PID Rdg.	ANAL PHY	ANAL CHEM	WELL Info.	DEPTH IN Ft	USCS SOIL TYPE GRAPHIC LOG	SOIL DESCRIPTION
CC	0			2/3	0845					1		No sample
										2	CL	Silty clay, olive gray (5 Y 4/1), slightly plastic, slightly moist, stiff, possible fill
		3				10				3	ML	Clayey silt, olive black (5 Y 2/1), nonplastic, slightly moist, very soft, possible fill
	3			4/5	0848					4		No sample
						2.0				5	CL	Silty clay, greenish black (5 GY 2/1), faint mottling, slightly plastic, slightly moist, stiff, possible fill
						108				6	ML	At 5.8': Clayey silt, olive black (5 Y 2/1), mottled with greenish black, moist, soft, possible fill, black horizontal layer from 6.3' - 6.6'
								X		7		At 6.6': Silty clay, dark greenish gray (5 G 4/1), moist, stiff, possible fill
		8								8	CL	Sandy clay, dark greenish gray (5 GY 4/1), moist
	8			1.5/5	0900	1500	X X			9		Silty clay, dark greenish gray (5 GY 4/1), moist (physical sample from 8.0' - 9.5')
							X			10		No sample
		13								11		
										12		
	13			5/5	0908	750 10				13	CL	Silty clay, trace course sand, dark greenish gray (5 GY 4/1), moderately plastic, wet, possible fill
										14	ML	At 14.5': Clayey silt, slightly plastic, saturated, sticky, very soft, about 50% clay, 50% silt, no sand or gravel, possible fill
						0				15	CL	At 15.0': Sandy clay 30% fine to very fine grained sand, greenish black (5 G 2/1), stiff, gastropod shells, roots, fine sand lens at 16.3'
										16		At 16.5': Clay, dark greenish gray (5 G 4/1), plastic, moist, stiff
						60				17	SM	At 17.5': Silty sand, well sorted (very fine grained), greenish black (5 G 2/1), saturated
		18				770				18	ML	Sandy silt, sand is very fine grained, greenish black (5 G 2/1), saturated, very soft
	18			4/5	0920					19	CL	Silty clay, dark greenish gray (5 GY 4/1), moderately plastic, soft, wet, 30% of sample consists of hard clay balls (1/4"), no sand or gravel
						160 710		X		20		At 19.6': As above, trace coarse sand, very soft, sticky, rooted

FIELD BORELOG

LOCATION OF BOREHOLE			
JOB No.	044-0134IRSCF9	BOREHOLE DESIGNATION	SB009-104
CLIENT	U.S. Navy	SURFACE ELEVATION	
SITE	NAS Moffett Field	DEPTH TO WATER	14.5 ft.
SUBSITE	009	LOGGED BY	Jim Wulff
DRILLING Co.	West Hazmat	DRILLING DATE(S)	7/30/91
DRILLING PERSONNEL/METHOD 1) Gene Reinhart 2) Tom Wright/Hollow Stem Auger			

SAMPLER TYPE	SAMPLE DEPTH TOP	SAMPLE DEPTH BOT	BLOWS/ 6" SAMPLE	RECOVERED / DRIVEN	TIME	PID Rdg.	ANAL PHY	ANAL CHEM	WELL Info.	DEPTH IN Ft	USCS SOIL TYPE / GRAPHIC LOG	SOIL DESCRIPTION
CC						3				21		
						0					ML	Clayey silt, trace coarse sand (angular), grayish olive green (5 GY 3/2), saturated (almost fluid), sticky, no roots
										22	CL	At 21.5': Silty clay, some sand (fine to coarse), saturated, very soft, sticky, no roots
		23										
	23			5/5	0945	0				23		No sample from 22.0' to 23.0'
											CL	
						0				24		
								X				
						0				25	SC	Clayey sand, poorly sorted (fine to coarse), 75% fine to medium sand, 20% fines, 5% coarse sand, grayish olive green (5 GY 3/2), saturated
						0				26		At 25.5': Clay, dark, greenish gray (5 G 4/1), plastic, medium stiff, no roots or shells
						0				27	CL	
		28				0				28		
										29		
										30		Boring Total Depth 28.0 ft.
										31		Grouted to surface
										32		
										33		
										34		
										35		
										36		
										37		
										38		
										39		
										40		

PRC ENVIRONMENTAL MANAGEMENT, INC.

FIELD BORELOG

SHEET 1 OF 2

LOCATION OF BOREHOLE			
JOB No.	044-0134IRSCF9	BOREHOLE DESIGNATION	SB009-105 (W9-47(A1))
CLIENT	U.S. Navy	SURFACE ELEVATION	
SITE	NAS Moffett Field	DEPTH TO WATER	13.5 ft.
SUBSITE	009	LOGGED BY	Jim Wulff
DRILLING Co.	West Hazmat	DRILLING DATE(S)	7/29/91
DRILLING PERSONNEL/METHOD 1) Gene Reinhart 2) Tom Wright/Hollow Stem Auger			

SAMPLER TYPE	SAMPLE DEPTH TOP	SAMPLE DEPTH BOT	BLOWS/ 6" SAMPLE	RECOVERED / DRIVEN	TIME	PID Rdg.	ANAL PHY	ANAL CHEM	WELL Info.	DEPTH IN Ft	USCS SOIL TYPE / GRAPHIC LOG	SOIL DESCRIPTION
CC	0			4.5/5	1340					1	FILL	Fill material
						0						Silty clay, black (N1), nonplastic, slightly moist, stiff, slight hydrocarbon odor, no sand or gravel
										2		
						0						
						0				3		
						0				4		
		5									CL	
	5			5/5	1350	41		X		5		Silty clay, dark gray (N3), slightly plastic, moist, stiff, strong hydrocarbon odor
						100				6		
						120				7		
										8		
						188						
						548				9	ML	Clayey silt, medium bluish gray (5 B 5/1), nonplastic, moist, stiff, strong hydrocarbon odor
								X				
		10										
						1652				10		Silty clay, medium bluish gray (5 B 5/1), moderately plastic, wet, stiff, rooted
	10			5/5	1355	225		X				
						2230				11		As above, plastic
						2180				12	CL	
						2375				13		
						2340				14		As above, saturated
		15				1700						
	15			0/5	1405					15		No recovery, appears to be saturated, heaving sands
										16		
										17		
										18		
										19		
										20		

RE:\moffett\site9\borelog.105\rkr

FIELD BORELOG

LOCATION OF BOREHOLE			
JOB No.	044-0134IRSCF9	BOREHOLE DESIGNATION	SB009-105 (W9-47(A1))
CLIENT	U.S. Navy	SURFACE ELEVATION	
SITE	NAS Moffett Field	DEPTH TO WATER	13.5 ft.
SUBSITE	009	LOGGED BY	Jim Wulff
DRILLING Co.	West Hazmat	DRILLING DATE(S)	7/29/91
DRILLING PERSONNEL/METHOD 1) Gene Reinhart 2) Tom Wright/Hollow Stem Auger			

SAMPLER TYPE	SAMPLE DEPTH TOP	SAMPLE DEPTH BOT	BLOWS/ 6" SAMPLE	RECOVERED / DRIVEN	TIME	PID Rdg.	ANAL PHY	ANAL CHEM	WELL Info.	DEPTH IN Ft	USCS SOIL TYPE / GRAPHIC LOG	SOIL DESCRIPTION
CC	20			5/5	1415	8				21		Silty clay, dark greenish gray (5 G 4/1), plastic
						11					CL	Silty clay, trace sand (medium), dark greenish gray (5 GY 4/1), plastic, moist, occasional cobbles
										22		At 21.5': Sandy clay, dark greenish gray (5 GY 4/1), saturated
						4		X				At 22.8': Clayey sand, very poorly sorted (fine to coarse), trace fine gravel, greenish black (5 G 2/1), saturated
						0				23	SC	At 23.6': Abrupt transition to silty clay, trace sand, greenish black (5 G 2/1), plastic, moist
						0				24	CL	At 24.0': Sandy clay, trace sand (coarse), slightly plastic, moist
		25								25		
										26		
										27		
										28		Boring Total Depth 25.0 ft.
												Well Total Depth 25.0 ft.
										29		
										30		
										31		
										32		
										33		
										34		
										35		
										36		
										37		
										38		
										39		
										40		

PRC ENVIRONMENTAL MANAGEMENT, INC.

FIELD BORELOG

SHEET 1 OF 2

LOCATION OF BOREHOLE			
JOB No.	044-0134IRSCF9	BOREHOLE DESIGNATION	SB009-106
CLIENT	U.S. Navy	SURFACE ELEVATION	
SITE	NAS Moffett Field	DEPTH TO WATER	
SUBSITE	009	LOGGED BY	Jim Wulff
DRILLING Co.	West Hazmat	DRILLING DATE(S)	7/30/91
DRILLING PERSONNEL/METHOD 1) Gene Reinhart 2) Tom Wright/Hollow Stem Auger			

SAMPLER TYPE	SAMPLE DEPTH TOP	SAMPLE DEPTH BOT	BLOWS/ 6" SAMPLE	RECOVERED / DRIVEN	TIME	PID Rdg.	ANAL PHY	ANAL CHEM	WELL Info.	DEPTH IN Ft	USCS SOIL TYPE / GRAPHIC LOG	SOIL DESCRIPTION
CC										1		No sample
		2								2		
	2			4.5/5	1635							Clayey silt, trace gravel, grayish black (N2), non plastic, slightly moist, very stiff, gravel is angular (maximum size is ¼"), possible fill
										3		
										4	ML	
						27				5		
						30				6		At 5.8': As above, rooted At 6.5': As above, large piece of asphalt
		7								7		
	7			4/5	1640							Silty clay, grayish black (N2), moderately plastic, moist, soft, hydrocarbon odor
										8		At 8.5': Silty clay, some coarse sand, greenish black (5 GY 2/1), rooted
						280				9	CL	
						350		X				
						125				10		At 10.5': Color change to grayish green (5 G 5/2)
						275				11		No sample
		12				100				12		
	12			1.5/5	1645		X					No sample (physical sample taken from 12.0'-13.5')
							X			13		
							X			14		
										15		
										16		
		17								17		
	17			5/5	1655	16					CL	Sandy clay, dark greenish gray (5 G 4/1), wet, moderate dilatancy, stiff, rooted
						112				18	SC	Clayey sand, sand is very fine grained, dark greenish gray (5 G 4/1), saturated, sand increases with depth
						220		X		19	CL	Clay, trace coarse sand, dark greenish gray (5 G 4/1), soft, clay balls
						112				20		

PRC ENVIRONMENTAL MANAGEMENT, INC.

FIELD BORELOG

SHEET 2 OF 2

LOCATION OF BOREHOLE			
JOB No.	044-0134IRSCF9	BOREHOLE DESIGNATION	SB009-106
CLIENT	U.S. Navy	SURFACE ELEVATION	
SITE	NAS Moffett Field	DEPTH TO WATER	
SUBSITE	009	LOGGED BY	Jim Wulff
DRILLING Co.	West Hazmat	DRILLING DATE(S)	7/30/91

DRILLING PERSONNEL/METHOD
1) Gene Reinhart 2) Tom Wright/Hollow Stem Auger

SAMPLER TYPE	SAMPLE DEPTH TOP	SAMPLE DEPTH BOT	BLOWS/ 6" SAMPLE	RECOVERED / DRIVEN	TIME	PID Rdg.	ANAL PHY	ANAL CHEM	WELL Info.	DEPTH IN Ft	USCS SOIL TYPE / GRAPHIC LOG	SOIL DESCRIPTION
CC						0				21	CL	Silty clay, grayish olive green (5 GY 3/2), plastic, moist, occasional gravel (maximum size is ½")
						0						At 21.5': Sandy clay, sand is very fine grained, light olive brown (5 Y 5/6), moist
		22								22	SW	Sand, poorly sorted (medium to coarse), some gravel, some fines, moderate olive brown (5 Y 4/4), saturated, large gravels (1" - 1¼") found above bottom contact
	22			3/5	1710							
						0				23	CL	Silty clay, light olive brown (5 Y 5/6), saturated, very soft, sticky
											SC	Clayey sand, 60% sand (fine), 40% fines, light olive brown (5 Y 5/6), saturated
						0				24	SP	At 24.8': Sand, moderately sorted (75% fine, 20% medium, 5% coarse), olive gray (5 Y 3/2),
						0				25		No sample from 25.0' to 27.0'
						0				26		
		27										
						0				27	SP	At 27.0': Sand, well sorted (fine), olive gray (5 Y 3/2), saturated
	27			5/5	1725							At 27.8': Gravelly silty clay, 40% gravel, 60% fines, maximum size of cobbles (2")
						0				28		At 28.1': Silty clay, trace coarse sand, dusky yellow (5 Y 6/4), moist, medium stiff, some dry spots, becoming moderate yellowish brown (10 YR 5/4), with depth
						0				29		
						0				30	CL	
										31		
		32										
						0				32		
										33		Boring Total Depth 32.0 ft.
												Grouted to surface
										34		
										35		
										36		
										37		
										38		
										39		
										40		

PRC ENVIRONMENTAL MANAGEMENT, INC.

FIELD BORELOG

SHEET 1 OF 2

LOCATION OF BOREHOLE			
JOB No.	044-0134IRSCF9	BOREHOLE DESIGNATION	SB009-107
CLIENT	U.S. Navy	SURFACE ELEVATION	
SITE	NAS Moffett Field	DEPTH TO WATER	
SUBSITE	009	LOGGED BY	Jim Wulff
DRILLING Co.	West Hazmat	DRILLING DATE(S)	7/30/91
DRILLING PERSONNEL/METHOD 1) Gene Reinhart 2) Tom Wright/Hollow Stem Auger			

SAMPLER TYPE	SAMPLE DEPTH TOP	SAMPLE DEPTH BOT	BLOWS/6" SAMPLE	RECOVERED/DRIVEN	TIME	PID Rdg.	ANAL PHY	ANAL CHEM	WELL Info.	DEPTH IN Ft	USCS SOIL TYPE/GRAPHIC LOG	SOIL DESCRIPTION
CC										1		No sample
		2								2		Fill material
	2			5/5	1845						FILL	Silty clay, black (N1), slightly moist, very stiff
										3	CL	
										4		Becoming dark gray (N3)
						↑		X		5	ML	At 4.4': Clayey silt, trace gravel, dark gray (N3), slightly moist, stiff At 5.5': Silty clay, trace gravel dark gray (N3)
										6		
		7								7		At 6.5': Silty clay, trace gravel, light olive gray (5 Y 6/1), moderately plastic, moist
	7			3.5/5	1850	PID					CL	At 7.0': Silty clay, trace fine to medium sand, dusky yellow green (5 GY 5/2), moderately plastic, moist
						NOT				8		At 8.0': As above, some coarse sand and gravel (10%), greenish gray (5 G 6/1) At 8.4': As above, increase in coarse sand and gravel (20%)
						WKG				9		At 8.5': Silty clay, mottled, wet, sticky, soft At 9.2': Sandy clay, grayish green (10 G 4/2), moist, soft
						↓		X		10	SC	Gradual transition to clayey sand (very fine grained), moist, soft
										11		No sample
		12								12		No sample (physical sample taken from 12.0'-16.5')
	12			3.7/5	1855		X X					
							X X			13		
							X X			14		
							X X			15		
		17					X			16		
	17									17		Silty clay, trace gravel, trace very fine sand, dark greenish gray (5 G 4/1), saturated (almost fluid), could be slough
								X		18	CL	At 18.5': silty clay, as above but firmer
										19		At 19.8': Silty clayey gravel, some sand, very poorly sorted, saturated
										20	GW	

RE:\moffett\site9\borelog.107\rkr

PRC ENVIRONMENTAL MANAGEMENT, INC.

FIELD BORELOG

SHEET 2 OF 2

LOCATION OF BOREHOLE			
JOB No.	044-0134IRSCF9	BOREHOLE DESIGNATION	SB009-107
CLIENT	U.S. Navy	SURFACE ELEVATION	
SITE	NAS Moffett Field	DEPTH TO WATER	
SUBSITE	009	LOGGED BY	Jim Wulff
DRILLING Co.	West Hazmat	DRILLING DATE(S)	7/30/91

DRILLING PERSONNEL/METHOD
1) Gene Reinhart 2) Tom Wright/Hollow Stem Auger

SAMPLER TYPE	SAMPLE DEPTH TOP	SAMPLE DEPTH BOT	BLOWS/ 6" SAMPLE	RECOVERED / DRIVEN	TIME	PID Rdg.	ANAL PHY	ANAL CHEM	WELL Info.	DEPTH IN Ft	USCS SOIL TYPE / GRAPHIC LOG	SOIL DESCRIPTION
CC										21	CL	Fining upwards from 23.6' - 20.1': At 20.1': Sandy clay, dark greenish gray (5 G 4/1), wet, soft
		22								22	SW	At 21.5': Sand, moderately sorted (very fine to fine), light olive brown (5 Y 5/6), saturated
	22			4/5	1905	↑						At 21.8': Sand, moderately sorted (medium to coarse), light olive brown (5 Y 5/6), saturated
										23	GW	At 22.0': Gravel, moderately sorted, trace sand, trace fines, saturated, maximum size of gravel is ½"
										24	CL	At 23.6': Silty clay, trace coarse sand, light olive brown (5 Y 5/6), moderately plastic, saturated, sticky, becoming sandy at depth
						PID NOT WKG		X		25	GW	At 25.6': Sandy gravel, poorly sorted, saturated, maximum size of gravel is 2½"
		27								26		No sample
						↓				27		
										28		
										29		
										30		Boring Total Depth 27.0 ft.
										31		Grouted to surface
										32		
										33		
										34		
										35		
										36		
										37		
										38		
										39		
										40		

PRC
ENVIRONMENTAL MANAGEMENT, INC.

MONITORING WELL INSTALLATION RECORD
NONTELESCOPING WELL

WELL LOCATION INFORMATION

WELL NO. MW009-044 W9-44(A1)
BOREHOLE NO. SB009-101
SITE NAS Moffett Field
SUBSITE 009
DATE 7/26/91
RECORDED BY Jim Wulff
WELL PERMIT NO. 91W1670 5

SURFACE COMPLETION INFORMATION

TYPE OF INSTALLATION
- ☐ ABOVE GROUND INSTALLATION
  - ☐ PROTECTIVE POSTS INSTALLED
- ■ FLUSH MOUNT INSTALLATION
  - TYPE Christy Box
  - ■ TRAFFIC RATED
  - ☐ WATERTIGHT SEAL
  - ☐ WATERTIGHT WELL CAP

TYPE OF PROTECTIVE CASING
- ☐ STEEL SIZE ____
- ☐ ____

SURFACE SEAL
- ☐ NONSHRINKING CEMENT
- ■ CONCRETE
- ☐ ____
- ☐ CHECKED FOR SETTLEMENT
- ☐ INTERNAL MORTAR ADDED

GROUND SURFACE ELEVATION
- ☐ SURVEYED
  - DATE ____

MEASURING POINT
- ■ TOP OF WELL CASING
- ☐ TOP OF PROTECTIVE CASING
- ☐ GROUND SURFACE
- ☐ ____

DRILLING INFORMATION

DRILLING COMPANY/PERSONNEL
West Hazmat
Gene Menhart / Tom Wright

DRILL RIG ____

DRILLING METHOD
- ■ HOLLOWSTEM AUGER
- ☐ AIR ROTARY
- ☐ MUD/WATER ROTARY
- ☐ ____

DRILLING BEGAN
DATE 7/26/91 TIME 1015

WELL COMPLETION BEGAN
DATE ____ TIME ____

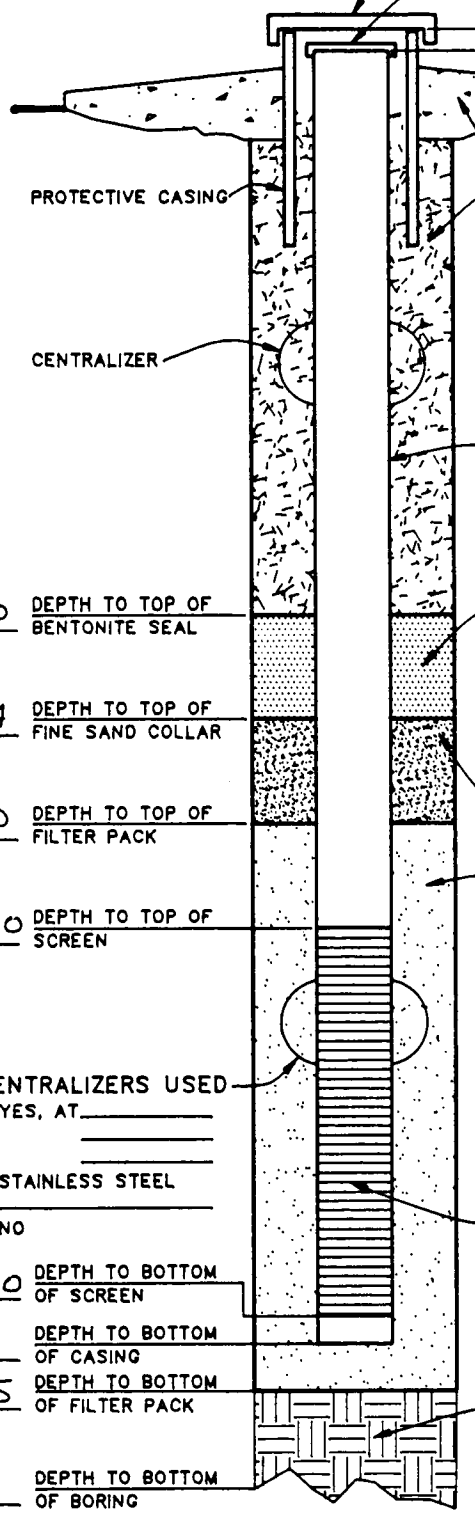
WELL COMPLETION FINISHED
DATE 7/26/91 TIME 1500

DRILLING FLUID TYPE
- ☐ BENTONITE ☐ WATER
- ☐ POLYMER ☐ ____

DRILLING FLUID LOSS
- ☐ YES ____ GALLONS
- ☐ NO

WATER ADDED DURING COMPLETION
- ☐ YES ____ GALLONS
- ☐ NO

TOTAL FLUID LOSS TO FORMATION ____ GALLONS



TOTAL LENGTH OF CASING AND SCREEN ____

DEPTH TO WATER FOLLOWING INSTALLATION (TOC) 7.3' 7/31/91

GROUT
DEPTH TO TOP OF GROUT
- ■ GROUT FORMULA (PROPORTION OF EACH)
  - CEMENT ____ BENTONITE ____
  - WATER ____ OTHER ____
  - QUANTITY USED ____
- ☐ PREPARED MIX
  - NAME OF PRODUCT ____
  - MANUFACTURED BY ____
  - QUANTITY USED ____

TYPE OF CASING
- ☐ STAINLESS STEEL
- ■ SCHEDULE 40 PVC
- ☐ SCHEDULE 80 PVC
- ☐ ____

CASING DIAMETER
INSIDE 4.0"
OUTSIDE ____

MFG BY ____

BENTONITE SEAL
- ■ PELLETS ☐ SLURRY
- ☐ POWDER/GRANULAR ☐ ____
- QUANTITY USED ____

METHOD INSTALLED
- ☐ TREMIE ☐ ____
- ■ POURED ☐ NOT USED

FINE SAND COLLAR (OPTIONAL)
SIZE/TYPE N/A

FILTER PACK
GRAVEL SIZE ____ ; ____ TO ____ FT
SAND SIZE 2-12 ; 11 TO 25.5 FT
FORMATION COLLAPSE; ____ TO ____ FT
MATERIAL ____
QUANTITY USED ____

METHOD INSTALLED
- ☐ TREMIE
- ■ POURED
- ☐ ____

GRAIN SIZE TESTS FOR FILTER PACK
- ☐ CONDUCTED; FOR REPORT, REFER TO ____
- ☐ NOT CONDUCTED

TYPE OF SCREEN
- ☐ STAINLESS STEEL
- ■ SCHEDULE 40 PVC
- ☐ SCHEDULE 80 PVC
- ☐ ____

SCREEN DIAMETER
INSIDE 4"
OUTSIDE ____

SLOT SIZE 0.010"
MFG BY ____

BACKFILL MATERIAL
- ☐ GRAVEL ☐ FORMATION COLLAPSE;
- ☐ BENTONITE MATERIAL ____
- ☐ SAND ____
- ☐ ____

DIAMETER OF BOREHOLE 10"

NOTES:
1. SCALE: NONE
2. RECORD FRACTIONAL FEET IN DECIMAL, NOT IN INCHES
3. RECORD CONSTRUCTION DEPTHS BELOW GROUND LEVEL

PRC
ENVIRONMENTAL MANAGEMENT, INC.

MONITORING WELL INSTALLATION RECORD
NONTELESCOPING WELL

WELL LOCATION INFORMATION

WELL NO. MW009-045 W9-45 (A1)
BOREHOLE NO. SB009-102
SITE NAS Moffett Field
SUBSITE 009
DATE 7/31/91
RECORDED BY Jim Wulff
WELL PERMIT NO. 91W1571

SURFACE COMPLETION INFORMATION

TYPE OF INSTALLATION
- ☐ ABOVE GROUND INSTALLATION
  - ☐ PROTECTIVE POSTS INSTALLED
- ■ FLUSH MOUNT INSTALLATION
  - TYPE Christy box
  - ■ TRAFFIC RATED
  - ☐ WATERTIGHT SEAL
  - ☐ WATERTIGHT WELL CAP

TYPE OF PROTECTIVE CASING
- ☐ STEEL SIZE ____
- ☐ ____

SURFACE SEAL
- ☐ NONSHRINKING CEMENT
- ■ CONCRETE
- ☐ ____
- ☐ CHECKED FOR SETTLEMENT
- ☐ INTERNAL MORTAR ADDED

GROUND SURFACE ELEVATION
- ☐ SURVEYED
  - DATE ____

MEASURING POINT
- ■ TOP OF WELL CASING
- ☐ TOP OF PROTECTIVE CASING
- ☐ GROUND SURFACE
- ☐ ____

DRILLING INFORMATION

DRILLING COMPANY/PERSONNEL
West Hazmat
Gene Reinhard
Tom Wright

DRILL RIG ____

DRILLING METHOD
- ■ HOLLOWSTEM AUGER
- ☐ AIR ROTARY
- ☐ MUD/WATER ROTARY
- ☐ ____

DRILLING BEGAN
- DATE 7/31/91 TIME ____

WELL COMPLETION BEGAN
- DATE ____ TIME ____

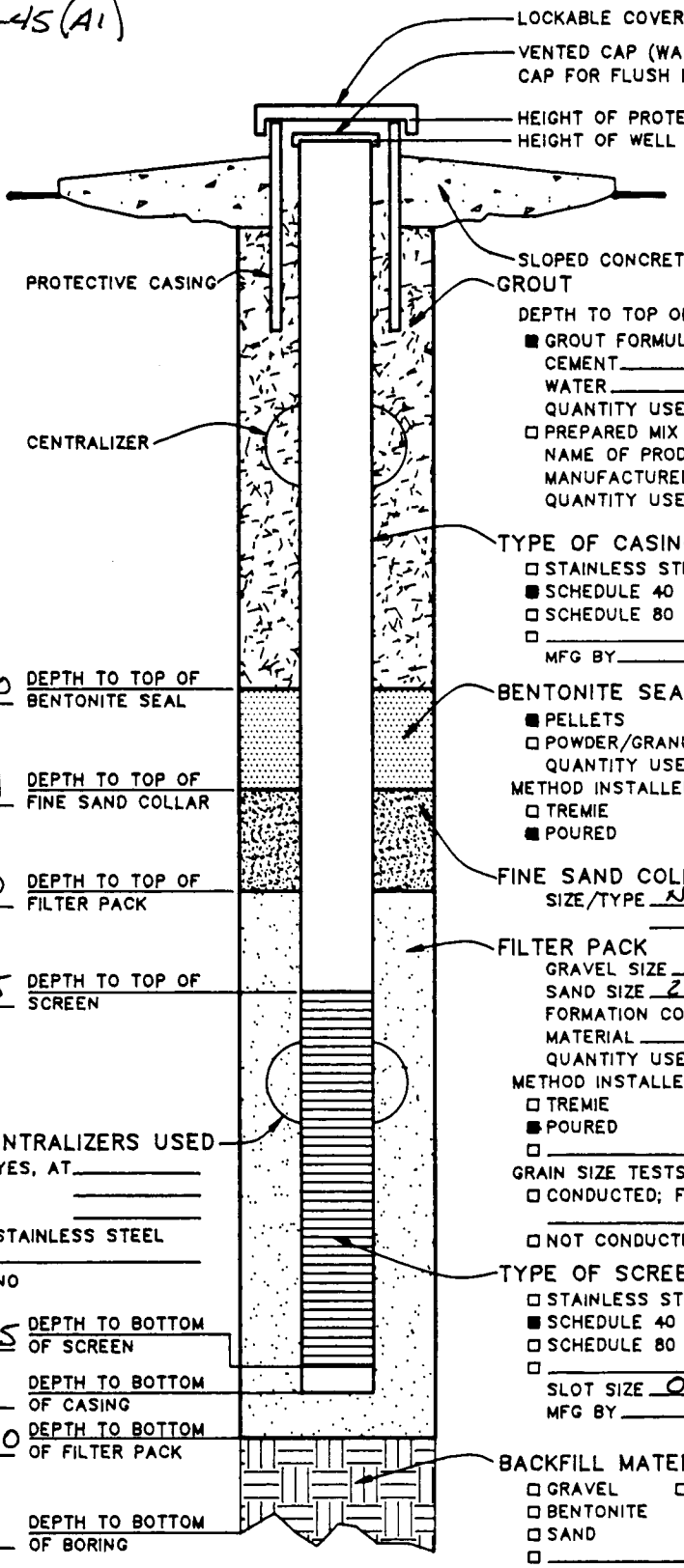
WELL COMPLETION FINISHED
- DATE 7/31/91 TIME ____

DRILLING FLUID TYPE
- ☐ BENTONITE ☐ WATER
- ☐ POLYMER ☐ ____

DRILLING FLUID LOSS
- ☐ YES ____ GALLONS
- ☐ NO

WATER ADDED DURING COMPLETION
- ☐ YES ____ GALLONS
- ☐ NO

TOTAL FLUID LOSS TO FORMATION ____ GALLONS



DEPTH TO TOP OF GROUT
- ■ GROUT FORMULA (PROPORTION OF EACH)
  - CEMENT ____ BENTONITE ____
  - WATER ____ OTHER ____
  - QUANTITY USED ____
- ☐ PREPARED MIX
  - NAME OF PRODUCT ____
  - MANUFACTURED BY ____
  - QUANTITY USED ____

TYPE OF CASING
- ☐ STAINLESS STEEL
- ■ SCHEDULE 40 PVC
- ☐ SCHEDULE 80 PVC
- ☐ ____
- MFG BY ____

CASING DIAMETER
- INSIDE 4"
- OUTSIDE ____

BENTONITE SEAL
- ■ PELLETS ☐ SLURRY
- ☐ POWDER/GRANULAR ☐ ____
- QUANTITY USED ____

METHOD INSTALLED
- ☐ TREMIE ☐ ____
- ■ POURED ☐ NOT USED

FINE SAND COLLAR (OPTIONAL)
- SIZE/TYPE N/A

FILTER PACK
- GRAVEL SIZE ____ ; ____ TO ____ FT
- SAND SIZE 2-12 ; 11 TO 24 FT
- FORMATION COLLAPSE; ____ TO ____ FT
- MATERIAL ____
- QUANTITY USED ____

METHOD INSTALLED
- ☐ TREMIE
- ■ POURED
- ☐ ____

GRAIN SIZE TESTS FOR FILTER PACK
- ☐ CONDUCTED; FOR REPORT, REFER TO ____
- ☐ NOT CONDUCTED

CENTRALIZERS USED
- ☐ YES, AT ____
- ☐ STAINLESS STEEL
- ☐ ____
- ■ NO

TYPE OF SCREEN
- ☐ STAINLESS STEEL
- ■ SCHEDULE 40 PVC
- ☐ SCHEDULE 80 PVC
- ☐ ____
- SLOT SIZE 0.010"
- MFG BY ____

SCREEN DIAMETER
- INSIDE 4"
- OUTSIDE ____

BACKFILL MATERIAL
- ☐ GRAVEL
- ☐ BENTONITE
- ☐ SAND
- ☐ ____
- ☐ FORMATION COLLAPSE; MATERIAL ____

DIAMETER OF BOREHOLE 10"

TOTAL LENGTH OF CASING AND SCREEN ____

DEPTH TO WATER FOLLOWING INSTALLATION (TOC) 5.2' 8/2/91

NOTES:
1. SCALE: NONE
2. RECORD FRACTIONAL FEET IN DECIMAL, NOT IN INCHES
3. RECORD CONSTRUCTION DEPTHS BELOW GROUND LEVEL

PRC
ENVIRONMENTAL MANAGEMENT, INC.

MONITORING WELL INSTALLATION RECORD
NONTELESCOPING WELL

WELL LOCATION INFORMATION

WELL NO. MW009-046 W9-46 (A1)
BOREHOLE NO. SB009-100
SITE NAS Moffett Field
SUBSITE 009
DATE 7/26/91
RECORDED BY Jim Wuhr
WELL PERMIT NO. 91W1572

SURFACE COMPLETION INFORMATION

TYPE OF INSTALLATION
- ☐ ABOVE GROUND INSTALLATION
  - ☐ PROTECTIVE POSTS INSTALLED
- ■ FLUSH MOUNT INSTALLATION
  - TYPE Christy Box
  - ■ TRAFFIC RATED
  - ☐ WATERTIGHT SEAL
  - ☐ WATERTIGHT WELL CAP

TYPE OF PROTECTIVE CASING
- ☐ STEEL SIZE _____
- ☐ _____

SURFACE SEAL
- ☐ NONSHRINKING CEMENT
- ■ CONCRETE
- ☐ _____
- ☐ CHECKED FOR SETTLEMENT
- ☐ INTERNAL MORTAR ADDED

GROUND SURFACE ELEVATION
- ☐ SURVEYED
  - DATE _____

MEASURING POINT
- ■ TOP OF WELL CASING
- ☐ TOP OF PROTECTIVE CASING
- ☐ GROUND SURFACE
- ☐ _____

DRILLING INFORMATION

DRILLING COMPANY/PERSONNEL
West Hazmat
Gene Reinhart
Tom Wright

DRILL RIG _____

DRILLING METHOD
- ■ HOLLOWSTEM AUGER
- ☐ AIR ROTARY
- ☐ MUD/WATER ROTARY
- ☐ _____

DRILLING BEGAN
- DATE 7/25/91 TIME 1700

WELL COMPLETION BEGAN
- DATE _____ TIME _____

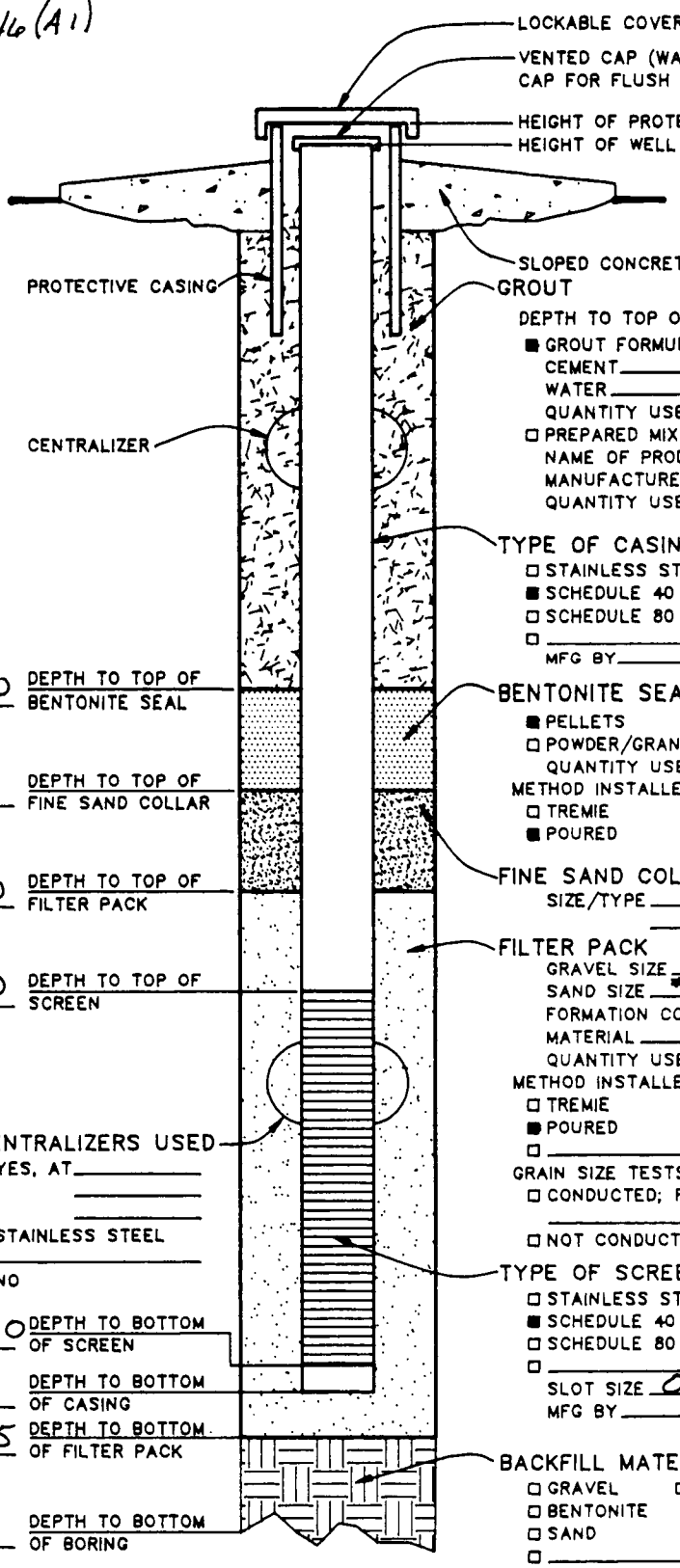
WELL COMPLETION FINISHED
- DATE 7/26/91 TIME 1600

DRILLING FLUID TYPE
- ☐ BENTONITE ☐ WATER
- ☐ POLYMER ☐ _____

DRILLING FLUID LOSS
- ☐ YES _____ GALLONS
- ☐ NO

WATER ADDED DURING COMPLETION
- ☐ YES _____ GALLONS
- ☐ NO

TOTAL FLUID LOSS TO FORMATION
_____ GALLONS



GROUT
DEPTH TO TOP OF GROUT
- ■ GROUT FORMULA (PROPORTION OF EACH)
  - CEMENT _____ BENTONITE _____
  - WATER _____ OTHER _____
  - QUANTITY USED _____
- ☐ PREPARED MIX
  - NAME OF PRODUCT _____
  - MANUFACTURED BY _____
  - QUANTITY USED _____

TYPE OF CASING
- ☐ STAINLESS STEEL
- ■ SCHEDULE 40 PVC
- ☐ SCHEDULE 80 PVC
- ☐ _____
  - MFG BY _____

CASING DIAMETER
- INSIDE 4"
- OUTSIDE _____

BENTONITE SEAL
- ■ PELLETS ☐ SLURRY
- ☐ POWDER/GRANULAR ☐ _____
- QUANTITY USED _____

METHOD INSTALLED
- ☐ TREMIE ☐ _____
- ■ POURED ☐ NOT USED

FINE SAND COLLAR (OPTIONAL)
SIZE/TYPE N/A

FILTER PACK
- GRAVEL SIZE _____ ; _____ TO _____ FT
- SAND SIZE #3 ; 15 TO 27.5 FT
- FORMATION COLLAPSE; _____ TO _____ FT
- MATERIAL _____
- QUANTITY USED _____

METHOD INSTALLED
- ☐ TREMIE
- ■ POURED
- ☐ _____

GRAIN SIZE TESTS FOR FILTER PACK
- ☐ CONDUCTED; FOR REPORT, REFER TO _____
- ☐ NOT CONDUCTED

TYPE OF SCREEN
- ☐ STAINLESS STEEL
- ■ SCHEDULE 40 PVC
- ☐ SCHEDULE 80 PVC
- ☐ _____
  - SLOT SIZE 0.010"
  - MFG BY _____

SCREEN DIAMETER
- INSIDE 4"
- OUTSIDE _____

BACKFILL MATERIAL
- ☐ GRAVEL ☐ FORMATION COLLAPSE;
- ☐ BENTONITE MATERIAL _____
- ☐ SAND _____
- ☐ _____

TOTAL LENGTH OF CASING AND SCREEN _____

DEPTH TO WATER FOLLOWING INSTALLATION (TOC) _____

DIAMETER OF BOREHOLE 10"

NOTES:
1. SCALE: NONE
2. RECORD FRACTIONAL FEET IN DECIMAL, NOT IN INCHES
3. RECORD CONSTRUCTION DEPTHS BELOW GROUND LEVEL

PRC
ENVIRONMENTAL MANAGEMENT, INC.

MONITORING WELL INSTALLATION RECORD
NONTELESCOPING WELL

WELL LOCATION INFORMATION

WELL NO. MW009-047 W9-47 (A1)
BOREHOLE NO. SB009-105
SITE NAS Moffett Field
SUBSITE 009
DATE 7/29/91
RECORDED BY Jim Wulff
WELL PERMIT NO. 91W1573

SURFACE COMPLETION INFORMATION

TYPE OF INSTALLATION
- ☐ ABOVE GROUND INSTALLATION
  - ☐ PROTECTIVE POSTS INSTALLED
- ■ FLUSH MOUNT INSTALLATION
  - TYPE Christy Box
  - ■ TRAFFIC RATED
  - ☐ WATERTIGHT SEAL
  - ☐ WATERTIGHT WELL CAP

TYPE OF PROTECTIVE CASING
- ☐ STEEL SIZE _____
- ☐ _____

SURFACE SEAL
- ☐ NONSHRINKING CEMENT
- ■ CONCRETE
- ☐ _____
- ☐ CHECKED FOR SETTLEMENT
- ☐ INTERNAL MORTAR ADDED

GROUND SURFACE ELEVATION
- ☐ SURVEYED
  - DATE _____

MEASURING POINT
- ■ TOP OF WELL CASING
- ☐ TOP OF PROTECTIVE CASING
- ☐ GROUND SURFACE
- ☐ _____

DRILLING INFORMATION

DRILLING COMPANY/PERSONNEL
West Hazmat
Gene Reinhart
Tom Wright

DRILL RIG _____

DRILLING METHOD
- ■ HOLLOWSTEM AUGER
- ☐ AIR ROTARY
- ☐ MUD/WATER ROTARY
- ☐ _____

DRILLING BEGAN
DATE _____ TIME _____

WELL COMPLETION BEGAN
DATE _____ TIME _____

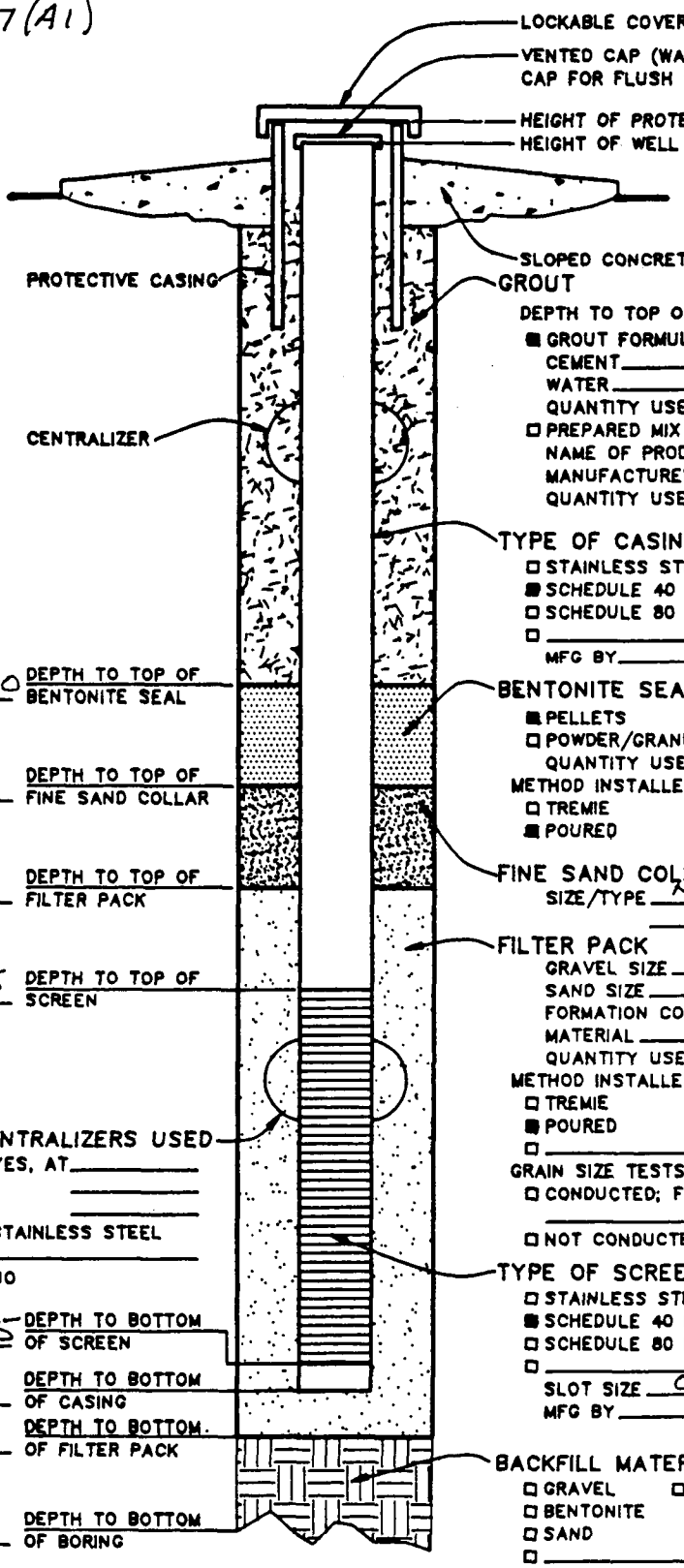
WELL COMPLETION FINISHED
DATE _____ TIME _____

DRILLING FLUID TYPE
- ☐ BENTONITE ☐ WATER
- ☐ POLYMER ☐ _____

DRILLING FLUID LOSS
- ☐ YES _____ GALLONS
- ☐ NO

WATER ADDED DURING COMPLETION
- ☐ YES _____ GALLONS
- ☐ NO

TOTAL FLUID LOSS TO FORMATION
_____ GALLONS



TOTAL LENGTH OF CASING AND SCREEN _____

DEPTH TO WATER FOLLOWING INSTALLATION (TOC) 8.9' 7/31/91

GROUT
DEPTH TO TOP OF GROUT
- ■ GROUT FORMULA (PROPORTION OF EACH)
  - CEMENT _____ BENTONITE _____
  - WATER _____ OTHER _____
  - QUANTITY USED _____
- ☐ PREPARED MIX
  - NAME OF PRODUCT _____
  - MANUFACTURED BY _____
  - QUANTITY USED _____

TYPE OF CASING
- ☐ STAINLESS STEEL
- ■ SCHEDULE 40 PVC
- ☐ SCHEDULE 80 PVC
- ☐ _____

CASING DIAMETER
INSIDE 4"
OUTSIDE _____

MFG BY _____

BENTONITE SEAL
- ■ PELLETS ☐ SLURRY
- ☐ POWDER/GRANULAR ☐ _____
- QUANTITY USED _____

METHOD INSTALLED
- ☐ TREMIE ☐ _____
- ■ POURED ☐ NOT USED

FINE SAND COLLAR (OPTIONAL)
SIZE/TYPE N/A

FILTER PACK
GRAVEL SIZE _____ ; _____ TO _____ FT
SAND SIZE _____ ; 12.5 TO 25 FT
FORMATION COLLAPSE: _____ TO _____ FT
MATERIAL _____
QUANTITY USED _____

METHOD INSTALLED
- ☐ TREMIE
- ■ POURED
- ☐ _____

GRAIN SIZE TESTS FOR FILTER PACK
- ☐ CONDUCTED; FOR REPORT, REFER TO _____
- ☐ NOT CONDUCTED

TYPE OF SCREEN
- ☐ STAINLESS STEEL
- ■ SCHEDULE 40 PVC
- ☐ SCHEDULE 80 PVC
- ☐ _____

SCREEN DIAMETER
INSIDE 4"
OUTSIDE _____

SLOT SIZE 0.010"
MFG BY _____

BACKFILL MATERIAL
- ☐ GRAVEL ☐ FORMATION COLLAPSE;
- ☐ BENTONITE MATERIAL _____
- ☐ SAND _____
- ☐ _____

DIAMETER OF BOREHOLE 10"

NOTES:
1. SCALE: NONE
2. RECORD FRACTIONAL FEET IN DECIMAL, NOT IN INCHES
3. RECORD CONSTRUCTION DEPTHS BELOW GROUND LEVEL

APPENDIX D

SOIL SAMPLE ANALYTICAL DATA

APPENDIX D

SOIL SAMPLE ANALYTICAL RESULTS

TABLE OF CONTENTS

Table

D-1	Underground storage tank samples - grab soil samples - VOCs
D-2	Underground storage tank samples - grab soil samples - TPH
D-3	Underground storage tank samples - grab liquid samples - TPH
D-4	Soil boring samples - VOCs
D-5	Soil boring samples - TPH
D-6	Soil boring samples - Metals

Soil physical properties results

These tables contain data from real samples, duplicate samples, and quality control samples (trip blanks and equipment blanks). Refer to Appendix G for a list of duplicate samples, trip blanks, and equipment blanks.

Table D-1
ANALYTICAL RESULTS
FOR TANK SAMPLES, GRAB SOIL SAMPLES
VOCs

Site NAS Moffett Field
Lab Mid Pacific
Reviewer G. Farmer
Date 9/24/91

Concentration in ug/l or ug/kg

Sample ID	GS9-001(12.0)			GS9-002(12.0)			GS9-003(12.0)			GS9-004(12.0)			GS9-005(22.0)			GS9-006(10.0)		
Sampling Location	GS009-001(12.0)			GS009-002(12.0)			GS009-003(12.0)			GS009-004(12.0)			GS009-005(22.0)			GS009-006(10.0)		
Sample Date																		
Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
1,1 DCA	60.00	U		12.00	U		62.00	U		10.00	U		13.00	U		13.00	U	
1,1 DCE	60.00	U		12.00	U		62.00	U		10.00	U		13.00	U		13.00	U	
1,2 DCE	60.00	U		12.00	U		62.00	U		10.00	U		13.00	U		13.00	U	
1,1,1 TCA	60.00	U		12.00	U		62.00	U		10.00	U		13.00	U		13.00	U	
TCE	60.00	U		12.00	U		62.00	U		10.00	U		13.00	U		13.00	U	
PCE	60.00	U		12.00	U		62.00	U		10.00	U		13.00	U		13.00	U	
Vinyl Chloride	60.00	U		12.00	U		62.00	U		10.00	U		13.00	U		13.00	U	
Freon 113 dichloro triflouro ethane																		
Acetone	36.00	UBJ		9.00	J		19.00	UBJ		8.00	J		14.00	UB		33.00		
2-butanone (MEK)	18.00	UBJ		12.00	U		62.00	U		10.00	U		13.00	U		13.00	U	
Methylene chloride	60.00	U		12.00	U		62.00	U		10.00	U		13.00	U		13.00	U	
Carbon disulfide	60.00	U		12.00	U		62.00	U		10.00	U		13.00	U		13.00	U	
2-hexanone	60.00	U		12.00	U		62.00	U		10.00	U		13.00	U		13.00	U	
4-methyl-2-pentanone	60.00	U		12.00	U		62.00	U		10.00	U		13.00	U		13.00	U	

Other analytes were analyzed for but were not detected/qualified.
U - Undetected at the concentration reported.
B - Analyte is found in associated blank, as well as in the sample.
J - Estimated Value

Table D-1 (Con't)
ANALYTICAL RESULTS
FOR TANK SAMPLES, GRAB SOIL SAMPLES
VOCs

Site NAS Moffett Field
Lab Mid Pacific
Reviewer G. Farmer
Date 9/24/91

Concentration in ug/l or ug/kg

Sample ID	GS9-007(15.0)			TB9-001(00.0)														
Sampling Location	GS009-007(15.0)			TB009-001(00.0)														
Sample Date																		
Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
1,1 DCA	1500.00	U		10.00	U													
1,1 DCE	1500.00	U		10.00	U													
1,2 DCE	1500.00	U		10.00	U													
1,1,1 TCA	1500.00	U		10.00	U													
TCE	1500.00	U		10.00	U													
PCE	1500.00	U		10.00	U													
Vinyl Chloride	1500.00	U		10.00	U													
Freon 113																		
dichloro triflouro ethane																		
Acetone	970.00	BJ		4.00	BJ													
2-butanone (MEK)	740.00	J		10.00	U													
Methylene chloride	120.00	J		10.00	U													
Carbon disulfide	1500.00	U		10.00	U													
2-hexanone	1500.00	U		10.00	U													
4-methyl-2-pentanone	1500.00	U		10.00	U													

Other analytes were analyzed for but were not detected/qualified.
U - Undetected at the concentration reported.
B - Analyte is found in associated blank, as well as in the sample.
J - Estimated Value

Table D-2
ANALYTICAL RESULTS
FOR TANK SAMPLES, GRAB SOIL SAMPLES
TPH

Site NAS Moffett Field
Lab Mid Pacific
Reviewer G. Farmer
Date 9/24/91

Concentration in ug/kg

Sample ID	GS9-1(12.0)			GS9-2(12.0)			GS9-3(12.0)			GS9-004(12.0)			GS9-005(22.0)			GS9-006(10.0)		
Sampling Location	GS009-001(12.0)			GS009-002(12.0)			GS009-003(12.0)			GS009-004(12.0)			GS009-005(22.0)			GS009-006(10.0)		
Sample Date																		
Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
TPH Analysis																		
Purgeable																		
as gasoline	8200.00		*	1200.00	U		530000.00		*	6900.00			1300.00	U	1	1300.00	U	
Extractable													ND					
as JP-5	1200.00	U		1200.00	U		210000.00			5200.00	U		1300.00	U		1300.00	U	
as diesel	1200.00	U		1200.00	U		1200.00	U		5200.00	U		1300.00	U		1300.00	U	
as kerosene	1200.00	U		1200.00	U		1200.00	U		5200.00	U		1300.00	U		1300.00	U	
as motor oil	53000.00			26000.00			350000.00			1600000.00			13000.00	U		13000.00	U	
BTEX Analysis	ND			ND			ND			ND			ND					
Benzene	6.00	U		6.00	U		120.00	U		5.00	U		6.00	U		6.00	U	
Toluene	6.00	U		6.00	U		120.00	U		5.00	U		6.00	U		6.00	U	
Ethylbenzene	6.00	U		6.00	U		120.00	U		5.00	U		6.00	U		6.00	U	
Total Xylenes	6.00	U		6.00	U		120.00	U		5.00	U		6.00	U		6.00	U	
Total BTEX																		

Other analytes were analyzed for but were not detected/qualified.
U - Undetected at the concentration reported.
B - Analyte is found in associated blank, as well as in the sample.
J - Estimated Value

* Does not match gasoline standard
1 Gasoline constituents found during VOA analysis

Table D-2 (Con't)
ANALYTICAL RESULTS
FOR TANK SAMPLES, GRAB SOIL SAMPLES
TPH

Site NAS Moffett Field
Lab Mid Pacific
Reviewer G. Farmer
Date 9/24/91

Concentration in ug/kg

Sample ID	GS9-007(15.0)																	
Sampling Location	GS009-007(15.0)																	
Sample Date																		
Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
TPH Analysis																		
Purgeable																		
as gasoline	690000.00		*															
Extractable																		
as JP-5	360000.00																	
as diesel																		
as kerosene																		
as motor oil																		
BTEX Analysis																		
Benzene	250.00	U																
Toluene	250.00	U																
Ethylbenzene	580.00																	
Total Xylenes	250.00	U																
Total BTEX																		

Other analytes were analyzed for but were not detected/qualified.
U - Undetected at the concentration reported.
B - Analyte is found in associated blank, as well as in the sample.
J - Estimated Value

* Does not match gasoline standard

Table D-3
ANALYTICAL RESULTS
FOR TANK SAMPLES, GRAB LIQUID SAMPLES
TPH

Site NAS Moffett Field
Lab Mid Pacific
Reviewer G. Farmer
Date 9/24/91

Concentration in ug/l

Sample ID	GL9-001(03.0)			GL9-2(03.0)			GL9-3(03.0)			GL9-4(05.0)			GL9-5(05.0)			GL9-6(05.0)		
Sampling Location	GL009-001(03.0)			GL009-002(03.0)			GL009-3(03.0)			GL009-004(05.0)			GL009-005(05.0)			GL009-006(05.0)		
Sample Date																		
Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
TPH Analysis																		
Purgeable																		
as gasoline	83000.00		*	4300.00			10000000.00			2500.00	U		5400.00			3300.00		
Extractable																		
as JP-5	7800.00			2700.00			400000.00			910.00			95.00			50.00	U	
as diesel	50.00	U		50.00	U		2500.00	U		50.00	U		50.00	U		50.00	U	
as kerosene	50.00	U		50.00	U		2500.00	U		50.00	U		50.00	U		50.00	U	
as motor oil	500.00	U		500.00	U		25000.00	U		5100.00			900.00			8300.00		
BTEX Analysis																		
Benzene	11.00			460.00			500.00	U		2400.00			8.00			4.00		
Toluene	5.00	U		5.00	U		770.00			36.00			5.00			8.00		
Ethylbenzene	8.00			53.00			1800.00			25.00	U		1.00			0.50		
Total Xylenes	36.00			29.00			24000.00			25.00	U		19.00			13.00		
Total BTEX																		

Other analytes were analyzed for but were not detected/qualified.
U - Undetected at the concentration reported.
B - Analyte is found in associated blank, as well as in the sample.
J - Estimated Value

* Does not match gasoline standard

Table D-3 (Con't)
ANALYTICAL RESULTS
FOR TANK SAMPLES, GRAB LIQUID SAMPLES
TPH

Site NAS Moffett Field
Lab Mid Pacific
Reviewer G. Farmer
Date 9/24/91

Concentration in ug/l

Sample ID	GL9-7(05.0)			TB9-000(00.0)														
Sampling Location	GL009-007(05.0)			TB009-000(00.0)														
Sample Date																		
Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
TPH Analysis																		
Purgeable																		
as gasoline	610.00			50.00	U													
Extractable																		
as JP-5	100.00	U		50.00	U													
as diesel	100.00	U		50.00	U													
as kerosene	100.00	U		50.00	U													
as motor oil	10000.00			500.00	U													
BTEX Analysis																		
Benzene	1.00			0.50	U													
Toluene	0.80			0.50	U													
Ethylbenzene	0.50	U		0.50	U													
Total Xylenes	3.00			0.50	U													
Total BTEX																		

Other analytes were analyzed for but were not detected/qualified.
U - Undetected at the concentration reported.
B - Analyte is found in associated blank, as well as in the sample.
J - Estimated Value

Table D-4
ANALYTICAL RESULTS
FOR SOIL SAMPLES, SOIL BORINGS
VOCs

Site NAS Moffett Field
Lab Sequoia
Reviewer G. Farmer
Date 9/24/91

Concentration in ug/kg

Sample ID	SB9-100(05.0)			SB9-100(10.0)			SB9-100(16.8)			SB9-100(20.0)			SB9-100(27.0)			SB9-101(05.5)		
Sampling Location	SB009-100(05.0)			SB009-100(10.0)			SB009-100(16.8)			SB009-100(20.0)			SB009-100(27.0)			SB009-101(05.5)		
Sample Date	7/25/91			7/25/91			7/25/91			7/25/91			7/25/91			7/26/91		
Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
1,1 DCA	3.00	J		7.00	J		730.00	U		760.00	U		6.00	U		6.00	U	
1,1 DCE	6.00	U		6.00	U		730.00	U		760.00	U		6.00	U		6.00	U	
1,2 DCE	15.00			27.00			510.00	J		280.00	J		2.00	J		6.00	U	
1,1,1 TCA	6.00	U		6.00	U		730.00	U		760.00	U		6.00	U		6.00	U	
TCE	8.00	J		6.00	U		7500.00			6000.00			28.00			720.00		
PCE	6.00	U		6.00	U		2800.00			350.00	J		6.00	U		6.00	U	
Vinyl Chloride	12.00	U		12.00	U		1500.00	U		1500.00	U		12.00	U		12.00	U	
Freon 113 dichloro triflouro ethane																		
Acetone	37.00	B		28.00	B		1500.00	U		1500.00	U		68.00	B		12.00	U	
2-butanone (MEK)	12.00	U		12.00	U		1500.00	U		1500.00	U		12.00	U		12.00	U	
Methylene chloride	20.00	B		17.00	B		120.00	J		130.00	J		27.00	B		6.00	U	
Carbon disulfide	6.00	U		6.00	U		730.00	U		760.00	U		6.00	U		6.00	U	
2-hexanone	12.00	U		12.00	U		1500.00	U		1500.00	U		12.00	U		12.00	U	
4-methyl-2-pentanone	12.00	U		12.00	U		1500.00	U		1500.00	U		12.00	U		12.00	U	

Other analytes were analyzed for but were not detected/qualified.
U - Undetected at the concentration reported.
B - Analyte is found in associated blank, as well as in the sample.
J - Estimated Value

Table D-4 (Con't)
ANALYTICAL RESULTS
FOR SOIL SAMPLES, SOIL BORINGS
VOCs

Site NAS Moffett Field
Lab Sequoia
Reviewer G. Farmer
Date 9/24/91

Concentration in ug/kg

Sample ID	SB9-101(10.0)			SB9-101(15.0)			SB9-101(23.5)			SB9-101(25.0)			SB9-102(00.0)			SB9-102(05.5)		
Sampling Location	SB009-101(10.0)			SB009-101(15.0)			SB009-101(23.5)			SB009-101(25.0)			SB009-102(00.0)			SB009-102(05.5)		
Sample Date	7/26/91			7/26/91			7/26/91			7/26/91			7/31/91			7/31/91		
Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
1,1 DCA	750.00	U		730.00	U		6.00	U		6.00	U		5.00	U		740.00	U	
1,1 DCE	750.00	U		730.00	U		6.00	U		6.00	U		5.00	U		740.00	U	
1,2 DCE	190.00	J		120.00	J		6.00	U		6.00	U		5.00	U		130.00	J	
1,1,1 TCA	750.00	U		730.00	U		6.00	U		6.00	U		5.00	U		740.00	U	
TCE	2100.00			4400.00			10.00			6.00	U		5.00	U		340.00	J	
PCE	750.00	U		730.00	U		6.00	U		6.00	U		5.00	U		1900.00		
Vinyl Chloride	1500.00	U		1500.00	U		12.00	U		12.00	U		10.00	U		1500.00	U	
Freon 113 dichloro triflouro ethane																		
Acetone	1500.00	U		1500.00	U		23.00	B		68.00	B		10.00	U		1500.00	U	
2-butanone (MEK)	1500.00	U		1500.00	U		12.00	U		12.00	U		10.00	U		1500.00	U	
Methylene chloride	750.00	U		140.00	J		11.00	B		12.00	B		5.00	U		740.00	U	
Carbon disulfide	750.00	U		730.00	U		6.00	U		6.00	U		5.00	U		740.00	U	
2-hexanone	1500.00	U		1500.00	U		12.00	U		12.00	U		10.00	U		1500.00	U	
4-methyl-2-pentanone	1500.00	U		1500.00	U		12.00	U		12.00	U		10.00	U		1500.00	U	

Other analytes were analyzed for but were not detected/qualified.
U - Undetected at the concentration reported.
B - Analyte is found in associated blank, as well as in the sample.
J - Estimated Value

Table D-4 (Con't)
ANALYTICAL RESULTS
FOR SOIL SAMPLES, SOIL BORINGS
VOCs

Site NAS Moffett Field
Lab Sequoia/Mid Pacific
Reviewer G. Farmer
Date 9/24/91

Concentration in ug/kg

Sample ID	SB9-102(12.5)			SB9-102(24.5)			SB9-102(29.0)			SB9-104(07.0)			SB9-104(14.5)			SB9-104(19.5)		
Sampling Location	SB009-102(12.5)			SB009-102(24.5)			SB009-102(29.0)			SB009-104(07.0)			SB009-104(14.5)			SB009-104(19.5)		
Sample Date	7/31/91			7/31/91			7/31/91			7/30/91			7/30/91			7/30/91		
Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
1,1 DCA	800.00	U		6.00	U		6.00	U		6200.00	U		12.00	U		6000.00	U	
1,1 DCE	800.00	U		6.00	U		6.00	U		6200.00	U		12.00	U		6000.00	U	
1,2 DCE	450.00	J		16.00			6.00	U		6200.00	U		12.00	U		6000.00	U	
1,1,1 TCA	800.00	U		6.00	U		6.00	U		6200.00	U		12.00	U		6000.00	U	
TCE	6200.00			92.00			6.00	U		6200.00	U		12.00	U		6000.00	U	
PCE	800.00	U		6.00	U		6.00	U		6200.00	U		12.00	U		6000.00	U	
Vinyl Chloride	1600.00	U		12.00	U		11.00	U		6200.00	U		12.00	U		6000.00	U	
Freon 113 dichloro triflouro ethane																		
Acetone	1600.00	U		25.00	UB		24.00	UB		3100.00	BJ		12.00	J		3400.00	UBJ	
2-butanone (MEK)	1600.00	U		12.00	U		11.00	U		6200.00	U		12.00	U		6000.00	U	
Methylene chloride	800.00	U		11.00	UB		8.00	UB		6200.00	U		12.00	U		6000.00	U	
Carbon disulfide	800.00	U		6.00	U		6.00	U		6200.00	U		12.00	U		6000.00	U	
2-hexanone	1600.00	U		12.00	U		11.00	U		6200.00	U		12.00	U		6000.00	U	
4-methyl-2-pentanone	1600.00	U		12.00	U		11.00	U		6200.00	U		12.00	U		6000.00	U	

Other analytes were analyzed for but were not detected/qualified.
U - Undetected at the concentration reported.
B - Analyte is found in associated blank, as well as in the sample.
J - Estimated Value

Table D-4 (Con't)
ANALYTICAL RESULTS
FOR SOIL SAMPLES, SOIL BORINGS
VOCs

Site NAS Moffett Field
Lab Sequoia/Mid Pacific
Reviewer G. Farmer
Date 9/24/91

Concentration in ug/kg

Sample ID	SB9-104(29.5)			SB9-105(05.0)			SB9-105(09.0)			SB9-105(10.0)			SB9-105(22.5)			SB9-106(05.0)		
Sampling Location	SB009-104(29.5)			SB009-105(05.0)			SB009-105(09.0)			SB009-105(10.0)			SB009-105(22.5)			SB009-106(05.0)		
Sample Date	7/30/91			7/29/91			7/29/91			7/29/91			7/29/91			7/30/91		
Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
1,1 DCA	12.00	U		6.00	U		3900.00	U		8000.00	U		6.00	U		12.00	U	
1,1 DCE	12.00	U		6.00	U		3900.00	U		8000.00	U		6.00	U		12.00	U	
1,2 DCE	12.00	U		6.00	U		3900.00	U		8000.00	U		6.00	U		12.00	U	
1,1,1 TCA	12.00	U		6.00	U		3900.00	U		8000.00	U		6.00	U		12.00	U	
TCE	12.00	U		6.00	U		3900.00	U		8000.00	U		6.00	U		12.00	U	
PCE	12.00	U		6.00	U		3900.00	U		8000.00	U		6.00	U		12.00	U	
Vinyl Chloride	12.00	U		13.00	U		7700.00	U		16000.00	U		12.00	U		12.00	U	
Freon 113 dichloro triflouro ethane																		
Acetone	10.00	J		310.00	B		7700.00	U		16000.00	U		43.00	UB		92.00		
2-butanone (MEK)	12.00	U		60.00			7700.00	U		16000.00	U		12.00	U		20.00		
Methylene chloride	12.00	U		17.00	B		3900.00	U		8000.00	U		7.00	UB		12.00	U	
Carbon disulfide	12.00	U		13.00	U		3900.00	U		8000.00	U		6.00	U		12.00	U	
2-hexanone	12.00	U		13.00	U		7700.00	U		16000.00	U		12.00	U		12.00	U	
4-methyl-2-pentanone	12.00	U		13.00	U		7700.00	U		16000.00	U		12.00	U		12.00	U	

Other analytes were analyzed for but were not detected/qualified.
U - Undetected at the concentration reported.
B - Analyte is found in associated blank, as well as in the sample.
J - Estimated Value

Table D-4 (Con't)
ANALYTICAL RESULTS
FOR SOIL SAMPLES, SOIL BORINGS
VOCs

Site NAS Moffett Field
Lab Mid Pacific
Reviewer G. Farmer
Date 9/24/91

Concentration in ug/kg

Sample ID	SB9-106(10.0)			SB9-106(19.0)			SB9-106(25.0)			SB9-107(05.0)			SB9-107(10.0)			SB9-107(19.5)		
Sampling Location	SB009-106(10.0)			SB009-106(19.0)			SB009-106(25.0)			SB009-107(05.0)			SB009-107(10.0)			SB009-107(19.5)		
Sample Date	7/30/91			7/30/91			7/30/91			7/30/91			7/30/91			7/30/91		
Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
1,1 DCA	6000.00	U		6000.00	U		64.00	U		12.00	U		13.00	U		62.00	U	
1,1 DCE	6000.00	U		6000.00	U		64.00	U		12.00	U		13.00	U		33.00	J	
1,2 DCE	6000.00	U		6000.00	U		64.00	U		12.00	U		13.00	U		100.00		
1,1,1 TCA	6000.00	U		6000.00	U		64.00	U		12.00	U		13.00	U		62.00	U	
TCE	6000.00	U		6000.00	U		400.00			12.00	U		13.00	U		360.00		
PCE	6000.00	U		6000.00	U		64.00	U		12.00	U		13.00	U		62.00	U	
Vinyl Chloride	6000.00	U		6000.00	U		64.00	U		12.00	U		13.00	U		62.00	U	
Freon 113 dichloro triflouro ethane																		
Acetone	2500.00	UB		6000.00	U		64.00	U		12.00	U		13.00	U		62.00	U	
2-butanone (MEK)	6000.00	U		6000.00	U		64.00	U		12.00	U		13.00	U		62.00	U	
Methylene chloride	6000.00	U		6000.00	U		64.00	U		12.00	U		13.00	U		62.00	U	
Carbon disulfide	6000.00	U		6000.00	U		64.00	U		12.00	U		13.00	U		62.00	U	
2-hexanone	6000.00	U		6000.00	U		64.00	U		12.00	U		13.00	U		62.00	U	
4-methyl-2-pentanone	6000.00	U		6000.00	U		64.00	U		12.00	U		13.00	U		62.00	U	

Other analytes were analyzed for but were not detected/qualified.

U - Undetected at the concentration reported.

B - Analyte is found in associated blank, as well as in the sample.

J - Estimated Value

Table D-4 (Con't)
ANALYTICAL RESULTS
FOR SOIL SAMPLES, SOIL BORINGS
VOCs

Site NAS Moffett Field
Lab Mid Pacific
Reviewer G. Farmer
Date 9/24/91

Concentration in ug/kg

Sample ID	SB9-107(25.5)																	
Sampling Location	SB009-107(25.5)																	
Sample Date	7/30/91																	
Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
1,1 DCA	21.00	U																
1,1 DCE	21.00	U																
1,2 DCE	31.00																	
1,1,1 TCA	21.00	U																
TCE	170.00																	
PCE	21.00	U																
Vinyl Chloride	21.00	U																
Freon 113																		
dichloro triflouro ethane																		
Acetone	21.00	U																
2-butanone (MEK)	21.00	U																
Methylene chloride	21.00	U																
Carbon disulfide	21.00	U																
2-hexanone	21.00	U																
4-methyl-2-pentanone	21.00	U																

Other analytes were analyzed for but were not detected/qualified.
U - Undetected at the concentration reported.
B - Analyte is found in associated blank, as well as in the sample.
J - Estimated Value

Table D-5
ANALYTICAL RESULTS
FOR SOIL SAMPLES, SOIL BORINGS
TPH

Site NAS Moffett Field
Lab Sequoia
Reviewer G. Farmer
Date 9/24/91

Concentration in ug/kg

Sample ID	SB9-100(05.0)			SB9-100(10.0)			SB9-100(16.8)			SB9-100(20.0)			SB9-100(27.0)			SB9-101(05.5)		
Sampling Location	SB009-100(05.0)			SB009-100(10.0)			SB009-100(16.8)			SB009-100(20.0)			SB009-100(27.0)			SB009-101(05.5)		
Sample Date	7/25/91			7/25/91			7/25/91			7/25/91			7/25/91			7/26/91		
Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
TPH Analysis																		
Purgeable																		
as gasoline	77.00	U		77.00	U		190.00	U		310.00	U		78.00	U		75.00	U	
Extractable																		
as JP-5	12000.00	U		12000.00	U		12000.00	U		12000.00	U		12000.00	U		12000.00	U	
as diesel																		
as kerosene																		
as motor oil																		
BTEX Analysis																		
Benzene	1.00			1.00			1.00			2.00			0.80			1.00		
Toluene	6.00			6.00			8.00			9.00			4.00			5.00		
Ethylbenzene	1.00			0.90			2.00			1.00			8.00			0.80		
Total Xylenes	5.00			5.00			9.00			7.00			4.00			4.00		
Total BTEX																		

Other analytes were analyzed for but were not detected/qualified.
U - Undetected at the concentration reported.
B - Analyte is found in associated blank, as well as in the sample.
J - Estimated Value

Table D-5 (Con't)
ANALYTICAL RESULTS
FOR SOIL SAMPLES, SOIL BORINGS
TPH

Site NAS Moffett Field
Lab Sequoia
Reviewer G. Farmer
Date 9/24/91

Concentration in ug/kg

Sample ID	SB9-101(10.0)			SB9-101(15.0)			SB9-101(23.5)			SB9-101(25.0)			SB9-102(00.0)			SB9-102(05.5)		
Sampling Location	SB009-101(10.0)			SB009-101(15.0)			SB009-101(23.5)			SB009-101(25.0)			SB009-102(00.0)			SB009-102(05.5)		
Sample Date	7/26/91			7/26/91			7/26/91			7/26/91			7/31/91			7/31/91		
Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
TPH Analysis																		
Purgeable																		
as gasoline	75.00	U		71.00	U		71.00	U		77.00	U					12000.00	U	
Extractable																		
as JP-5	12000.00	U		12000.00	U		12000.00	U		12000.00	U		500.00	U		1500.00	J	
as diesel																		
as kerosene																		
as motor oil																		
BTEX Analysis																		
Benzene	1.00			8.00			0.70			0.80						0.71	U	
Toluene	3.00			4.00			4.00			2.00						0.71	U	
Ethylbenzene	0.80			0.70			0.80			0.80						0.71	U	
Total Xylenes	1.00			2.00			4.00			1.00						1.40	U	
Total BTEX																		

Other analytes were analyzed for but were not detected/qualified.
U - Undetected at the concentration reported.
B - Analyte is found in associated blank, as well as in the sample.
J - Estimated Value

Table D-5 (Con't)
ANALYTICAL RESULTS
FOR SOIL SAMPLES, SOIL BORINGS
TPH

Site NAS Moffett Field
Lab Sequoia/Mid Pacific
Reviewer G. Farmer
Date 9/24/91

Concentration in ug/kg

Sample ID	SB9-102(12.5)			SB9-102(24.5)			SB9-102(29.0)			SB9-104(07.0)			SB9-104(14.5)			SB9-104(19.5)		
Sampling Location	SB009-102(12.5)			SB009-102(24.5)			SB009-102(29.0)			SB009-104(07.0)			SB009-104(14.5)			SB009-104(19.5)		
Sample Date	7/31/91			7/31/91			7/31/91			7/30/91			7/30/91			7/30/91		
Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
TPH Analysis																		
Purgeable																		
as gasoline	13000.00	U		11000.00	U		13000.00	U		1300000.00	D		12000.00			660000.00		
Extractable																		
as JP-5	4200.00	J		1200.00	J		1300.00	J		1300.00	U		1200.00	U		1200.00	U	
as diesel										1300.00	U		1200.00	U		1200.00	U	
as kerosene										17000.00			1200.00	U		1200.00	U	
as motor oil										95000.00			12000.00	U		12000.00	U	
BTEX Analysis																		
Benzene	0.77	U		0.72	U		0.78	U		530.00			280.00			200.00	U	
Toluene	0.77	U		0.72	U		0.78	U		260.00	U		6.00	U		200.00	U	
Ethylbenzene	0.77	U		0.72	U		0.78	U		260.00	U		15.00			2100.00		
Total Xylenes	1.50	U		1.40	U		1.60	U		260.00	U		10.00			880.00		
Total BTEX																		

Other analytes were analyzed for but were not detected/qualified.
U - Undetected at the concentration reported.
B - Analyte is found in associated blank, as well as in the sample.
J - Estimated Value
D - Diluted sample

Table D-5 (Con't)
ANALYTICAL RESULTS
FOR SOIL SAMPLES, SOIL BORINGS
TPH

Site NAS Moffett Field
Lab Sequoia/Mid Pacific
Reviewer G. Farmer
Date 9/24/91

Concentration in ug/kg

Sample ID	SB9-104(29.5)			SB9-105(05.0)			SB9-105(09.0)			SB9-105(10.0)			SB9-105(22.5)			SB9-106(05.0)		
Sampling Location	SB009-104(29.5)			SB009-105(05.0)			SB009-105(09.0)			SB009-105(10.0)			SB009-105(22.5)			SB009-106(05.0)		
Sample Date	7/30/91			7/29/91			7/29/91			7/29/91			7/29/91			7/30/91		
Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
TPH Analysis																		
Purgeable																		
as gasoline	1200.00	U		110.00	J		28000.00	J		1800000.00	J		12000.00	U		3500.00		
Extractable																		
as JP-5	1200.00	U		1300.00	J		22000.00			68000.00			2200.00	J		1200.00	U	
as diesel	1200.00	U														1200.00	U	
as kerosene	1200.00	U														1200.00	U	
as motor oil	12000.00	U														12000.00	U	
BTEX Analysis																		
Benzene	6.00	U		0.78	U		3.70	U		4300.00	J		0.72	U		12.00		
Toluene	6.00	U		1.70			3.70	U		6100.00	J		0.72	U		6.00	U	
Ethylbenzene	6.00	U		0.78	U		33.00			18000.00	J		1.30			6.00	U	
Total Xylenes	6.00	U		1.60			37.00			26000.00	J		1.70			6.00	U	
Total BTEX																		

Other analytes were analyzed for but were not detected/qualified.
U - Undetected at the concentration reported.
B - Analyte is found in associated blank, as well as in the sample.
J - Estimated Value

Table D-5 (Con't)
ANALYTICAL RESULTS
FOR SOIL SAMPLES, SOIL BORINGS
TPH

Site NAS Moffett Field
Lab Mid Pacific
Reviewer G. Farmer
Date 9/24/91

Concentration in ug/kg

Sample ID	SB9-106(10.0)			SB9-106(19.0)			SB9-106(25.0)			SB9-107(05.0)			SB9-107(10.0)			SB9-107(19.5)		
Sampling Location	SB009-106(10.0)			SB009-106(19.0)			SB009-106(25.0)			SB009-107(05.0)			SB009-107(10.0)			SB009-107(19.5)		
Sample Date	7/30/91			7/30/91			7/30/91			7/30/91			7/30/91			7/30/91		
Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
TPH Analysis																		
Purgeable																		
as gasoline	730000.00	D		2100000.00			1300.00	U		1200.00	U		1300.00	U		7400.00		
Extractable																		
as JP-5	1200.00	U		1200.00	U		1300.00	U		1200.00	U		1300.00	U		1200.00	U	
as diesel	1200.00	U		1200.00	U		1300.00	U		1200.00	U		1300.00	U		1200.00	U	
as kerosene	1200.00	U		1200.00	U		1300.00	U		1200.00	U		1300.00	U		1200.00	U	
as motor oil	12000.00	U		12000.00	U		13000.00	U		12000.00	U		13000.00	U		12000.00	U	
BTEX Analysis																		
Benzene	1100.00			120.00	U		6.00	U		6.00	U		6.00	U		6.00	U	
Toluene	460.00			120.00	U		6.00	U		6.00	U		6.00	U		6.00	U	
Ethylbenzene	540.00			10000.00			6.00	U		6.00	U		6.00	U		6.00	U	
Total Xylenes	120.00	U		8800.00			6.00	U		6.00	U		6.00	U		14.00		
Total BTEX																		

Other analytes were analyzed for but were not detected/qualified.

U - Undetected at the concentration reported.

B - Analyte is found in associated blank, as well as in the sample.

J - Estimated Value

D - Diluted Sample

Table D-5 (Con't)
ANALYTICAL RESULTS
FOR SOIL SAMPLES, SOIL BORINGS
TPH

Site NAS Moffett Field
Lab Mid Pacific
Reviewer G. Farmer
Date 9/24/91

Concentration in ug/kg

Sample ID	SB9-107(25.5)																	
Sampling Location	SB009-107(25.5)																	
Sample Date	7/30/91																	
Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
TPH Analysis																		
Purgeable																		
as gasoline	1300.00	U																
Extractable																		
as JP-5	1300.00	U																
as diesel	1300.00	U																
as kerosene	1300.00	U																
as motor oil	13000.00	U																
BTEX Analysis																		
Benzene	6.00	U																
Toluene	6.00	U																
Ethylbenzene	6.00	U																
Total Xylenes	6.00	U																
Total BTEX																		

Other analytes were analyzed for but were not detected/qualified.

U - Undetected at the concentration reported.

B - Analyte is found in associated blank, as well as in the sample.

J - Estimated Value

Table D-6
ANALYTICAL RESULTS
FOR SOIL SAMPLES, SOIL BORINGS
TOTAL METALS

Site NAS Moffett Field
Lab Sequoia
Reviewer G. Farmer
Date 9/24/91

Concentration in mg/kg

Sample ID	SB9-100(05.0)			SB9-100(10.0)			SB9-100(16.8)			SB9-100(20.0)			SB9-100(27.0)			SB9-101(05.5)		
Sampling Location	SB009-100(05.0)			SB009-100(10.0)			SB009-100(16.8)			SB009-100(20.0)			SB009-100(27.0)			SB009-101(05.5)		
Sample Date	7/25/91			7/25/91			7/25/91			7/25/91			7/25/91			7/26/91		
Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Aluminum	16900.00			22100.00			17900.00			17100.00	UW		19500.00			23700.00		
Antimony	1.00	UW		1.00	UW		1.00	UW		1.00	W		1.00	UW		1.00	UW	
Arsenic	1.00	U		1.00	UE		1.00	UE		15.00			4.40	E		4.70	W	
Barium	116.00			113.00			137.00			908.00			183.00			198.00		
Beryllium	0.80			1.00			0.70			0.80			0.80			1.00	U	
Cadmium	1.00	U		1.00	U		1.00	U		1.0	U		1.00	U		1.00	U	
Calcium	5760.00			7030.00			22800.00			19800.00			88800.00			9500.00		
Chromium	39.20	J		53.30	J		58.10	J		56.10	J		54.00	J		58.80	J	
Cobalt	15.90			23.10			19.80			18.70			16.40			20.30		
Copper	36.20	UBJ		53.30	J		39.10	UBJ		30.30	UBJ		41.00	UBJ		50.80	J	
Iron	26200.00			35100.00			25200.00			27700.00			25500.00			34300.00		
Lead	7.60			9.10			3.00			7.00			9.80			5.40		
Magnesium	10300.00			13700.00			14000.00			12600.00			14200.00			13000.00		
Manganese	287.00	J		431.00	J		286.00	J		359.00	J		299.00	J		325.00	J	
Mercury	0.126			0.179			0.079			0.103			0.156					
Nickel	66.60			88.00			95.00			70.30			64.70			81.00		
Potassium	1630.00			2100.00			1680.00			1380.00			1760.00			2060.00		
Selenium	1.00	UE		1.00	UE		1.00	UE		1.00	UE		1.00	UE		1.00	UW	
Silver	1.00	U		1.00	U		1.00	U		1.00	U		1.00	U		1.00	U	
Sodium	168.00			187.00			193.00			218.00			243.00			239.00		
Thallium	1.00	UW		1.00	UW		1.00	UW		1.00	U		1.00	U		1.00	U	
Vanadium	55.40			72.10			171.00			72.60			60.30			87.80		
Zinc	70.50			96.70			64.10			72.30			66.00			89.30		

Other analytes were analyzed for but were not detected/qualified.
U - Undetected at the concentration reported.
B - Analyte is found in associated blank, as well as in the sample.
E - Reported value is estimated because of the presence of interference.
W - Post digestion spike for Furnace Atomic Absorption analysis is out of control limits (85 - 115%), while sample absorbance is less than 50% of spike absorbance.
J - Value is estimated

Table D-6 (Con't)
ANALYTICAL RESULTS
FOR SOIL SAMPLES, SOIL BORINGS
TOTAL METALS

Site NAS Moffett Field
Lab Sequoia
Reviewer G. Farmer
Date 9/24/91

Concentration in mg/kg

Sample ID	SB9-101(10.0)			SB9-101(15.0)			SB9-101(23.5)			SB9-101(25.0)			SB9-102(05.5)			SB9-102(12.5)		
Sampling Location	SB009-101(10.0)			SB009-101(15.0)			SB009-101(23.5)			SB009-101(25.0)			SB009-102(05.5)			SB009-102(12.5)		
Sample Date	7/26/91			7/26/91			7/26/91			7/26/91			7/31/91			7/31/91		
Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Aluminum	16900.00			12300.00			24000.00			21900.00			16282.00			10900.00		
Antimony	1.00	U		1.00	U		1.00	UW		1.00	U		1.00	U		1.00	U	
Arsenic	4.70	W		4.50	W		5.70			5.60	W		3.60	W		2.00		
Barium	119.00			64.80			130.00			136.00			144.00			84.10		
Beryllium	1.50	U		0.70	U		1.20	U		1.00	U		0.71			0.40	U	
Cadmium	1.30	U		1.00	U		1.00	U		1.00	U		1.00	U		1.00	U	
Calcium	6600.00			11400.00			19600.00			14900.00			9200.00			6000.00		
Chromium	46.50	J		24.10	J		117.00	J		108.00	J		54.40	J		28.70	J	
Cobalt	20.50			11.00			27.80			28.70			16.00			9.70		
Copper	43.50	J		31.00	UBJ		39.50	UBJ		40.80	UBJ		34.60	UBJ		23.60	UBJ	
Iron	26500.00			22500.00			39800.00			32600.00			27800.00			16700.00		
Lead	9.70			3.70	W		4.70			5.40			5.80	W		7.80		
Magnesium	10500.00			8430.00			18200.00			15500.00			10300.00			7870.00		
Manganese	247.00	J		383.00	J		485.00	J		367.00	J		334.00	J		170.00	J	
Mercury	0.124			0.076			0.11	W		0.078	W		0.14			0.19		
Nickel	75.50			39.80			104.00			97.40			68.90			48.00		
Potassium	1490.00			905.00			1430.00			1480.00			1100.00			1210.00		
Selenium	3.10	W		1.00	UW		1.00	UW		1.00	UW		1.00	UW		1.00	U	
Silver	13.00	J		11.00	J		9.60	J		9.20	J		1.00	U		1.00	U	
Sodium	179.00			150.00			264.00			219.00			166.00			131.00		
Thallium	1.00	U		1.00	U		1.00	U		1.00	U		1.00	U		1.00	U	
Vanadium	61.00			43.60			110.00			102.00			81.70			36.40		
Zinc	80.70			51.70			79.80			72.30			58.60			49.00		

Other analytes were analyzed for but were not detected/qualified.

U - Undetected at the concentration reported.

B - Analyte is found in associated blank, as well as in the sample.

E - Reported value is estimated because of the presence of interference.

W - Post digestion spike for Furnace Atomic Absorption analysis is out of control limits (85 - 115%), while sample absorbance is less than 50% of spike absorbance.

J - Value is estimated

Table D-6 (Con't)
ANALYTICAL RESULTS
FOR SOIL SAMPLES, SOIL BORINGS
TOTAL METALS

Site NAS Moffett Field
Lab Sequoia
Reviewer G. Farmer
Date 9/24/91

Concentration in mg/kg

Sample ID	SB9-102(24.5)			SB9-102(29.0)			SB9-104(07.0)			SB9-104(14.5)			SB9-104(19.5)			SB9-104(29.5)		
Sampling Location	SB009-102(24.5)			SB009-102(29.0)			SB009-104(07.0)			SB009-104(14.5)			SB009-104(19.5)			SB009-104(29.5)		
Sample Date	7/31/91			7/31/91			7/30/91			7/30/91			7/30/91			7/30/91		
Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Aluminum	13500.00			17400.00			18200.00	E*BJ		15800.00	E*BJ		16700.00	E*BJ		19100.00	E*BJ	
Antimony	1.00	U		1.00	U		8.30	UNR		8.00	UNR		8.00	UNR		8.00	UNR	
Arsenic	3.30			7.90			3.50	NJ		6.40	NSJ		0.25	UNW	J	0.78	BNW	J
Barium	56.90			144.00			243.00	E		167.00	E		116.00	E		104.00	E	
Beryllium	0.48			0.77			0.48	B		0.58			0.38	B		0.52	B	
Cadmium	1.00	U		2.05			1.30	U		1.20	U		1.30	U		1.50		
Calcium	10200.00			17300.00			78800.00	EB		6820.00	EB		14600.00	EB		22800.00	EB	
Chromium	42.70	J		41.80			48.30	*J		47.70	*J		109.00	*J		79.00	*J	
Cobalt	14.90			16.90			11.30	B		15.70			21.50			15.60		
Copper	28.90	UBJ		46.40			36.30	UB		45.70	UB		54.70	UB		14.60	UB	
Iron	21300.00			26700.00			21900.00	EB		28300.00	EB		28900.00	EB		27700.00	EB	
Lead	3.50	W		8.60			44.80	J		8.60	J		5.60	J		4.70	J	
Magnesium	10000.00			10500.00			16200.00	E		12500.00	E		16500.00	E		14300.00	E	
Manganese	306.00	J		333.00			722.00	EJ		382.00	EJ		345.00	J		377.00	EJ	
Mercury	0.077			0.17			0.13	U		0.12	U		0.13	U		0.13	U	
Nickel	48.90			56.20			56.20			68.40			99.30			72.20		
Potassium	802.00			162.00			1650.00	B		2920.00	B		4970.00	B		2940.00	B	
Selenium	1.0	UW		1.00	UW		0.52	UNW		0.5	UNW		5.70	NS		0.5	UNW	
Silver	1.00	U		1.00	U		0.54	B		0.54	B		0.5	U		0.75	B	
Sodium	162.00			172.00			1120.00	UBE		416.00	UBE		368.00	UBE		522.00	UBE	
Thallium	1.0	U		1.00	U		0.52	UNW	J	0.5	UNJ		0.5	UNJ		0.5	UNJ	
Vanadium	60.70			70.50			42.90	E		50.00	E		93.20	E		79.40	E	
Zinc	53.50			64.10			48.90	B		73.10	B		63.20	B		53.90	B	

Other analytes were analyzed for but were not detected/qualified.

U - Undetected at the concentration reported.

B - Analyte is found in associated blank, as well as in the sample.

E - Reported value is estimated because of the presence of interference.

W - Post digestion spike for Furnace Atomic Absorption analysis is out of control limits (85 - 115%), while sample absorbance is less than 50% of spike absorbance.

J - Value is estimated

R - Value is unusable

Table D-6 (Con't)
ANALYTICAL RESULTS
FOR SOIL SAMPLES, SOIL BORINGS
TOTAL METALS

Site NAS Moffett Field
Lab Sequoia
Reviewer G. Farmer
Date 9/24/91

Concentration in mg/kg

Sample ID	SB9-105(05.0)			SB9-105(09.0)			SB9-105(10.0)			SB9-105(22.5)			SB9-106(05.0)			SB9-106(10.0)		
Sampling Location	SB009-105(05.0)			SB009-105(09.0)			SB009-105(10.0)			SB009-105(22.5)			SB009-106(05.0)			SB009-106(10.0)		
Sample Date	7/30/91			7/30/91			7/30/91			7/30/91			7/30/91			7/30/91		
Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Aluminum	15800.00			14700.00			19500.00			14800.00			16700.0	E*BJ		12900.0	E*BJ	
Antimony	1.00	U		1.00	UW		1.00	U		1.00	U		8.0	UNR		8.0	UNR	
Arsenic	5.10	W		3.80			4.30			2.10	W		2.8	NSJ		6.8	NSJ	
Barium	146.00			407.00			220.00			121.00			227.0	E		321.0	E	
Beryllium	0.50			0.50			0.80			0.70			0.55	B		0.54		
Cadmium	1.00	U		1.00	U		1.00	U		1.00	U		1.2	U		1.2	U	
Calcium	114000.00			113000.00			28300.00			17100.00			71900.0	EB		27700.0	EB	
Chromium	38.70			41.50			54.00			50.40			39.4	*J		41.6	*J	
Cobalt	11.40			14.10			19.80			15.40			15.5			14.0		
Copper	31.20	U		28.40			39.00			32.10			26.4	UB		29.9	UB	
Iron	19800.00			22400.00			30800.00			23100.00			21800.0	EB		22800.0	EB	
Lead	7.00	W		7.00	W		10.40	W		5.50	W		9.5	SJ		21.0	SJ	
Magnesium	12900.00			9850.00			12600.00			11500.00			15600.0	E		12200.0	E	
Manganese	351.00			743.21			353.00			318.00			448.0	EJ		563.0	EJ	
Mercury	0.110			0.102			0.103			0.157			0.12	U		0.12	U	
Nickel	51.20			60.30			77.00			74.50			56.0			63.4		
Potassium	10300.00			1440.00			173.00			1480.00			1490.0	B		2550.0	B	
Selenium	2.00	W		1.00	UW		1.00	UW		1.00	UW		0.5	UNW		0.5	UNW	
Silver	8.80			18.30			8.30			7.70			0.5	U		0.5	U	
Sodium	283.00			262.00			237.00			178.00			488.0	UBE		461.0	UBE	
Thallium	1.00	U		1.00	U		1.00	U		1.00	U		0.5	UNW	J	0.5	UNJ	
Vanadium	31.90			39.30			62.00			53.00			39.1	E		38.2	E	
Zinc	48.60			49.10			79.00			61.40			48.7	B		60.6	B	

Other analytes were analyzed for but were not detected/qualified.
U - Undetected at the concentration reported.
B - Analyte is found in associated blank, as well as in the sample.
E - Reported value is estimated because of the presence of interference.
W - Post digestion spike for Furnace Atomic Absorption analysis is out of control limits (85 - 115%), while sample absorbance is less than 50% of spike absorbance.
J - Value is estimated.
R - Value is unusable.

Table D-6 (Con't)
ANALYTICAL RESULTS
FOR SOIL SAMPLES, SOIL BORINGS
TOTAL METALS

Site NAS Moffett Field
Lab Sequoia
Reviewer G. Farmer
Date 9/24/91

Concentration in mg/kg

Sample ID	SB9-106(19.0)			SB9-106(25.0)			SB9-107(05.0)			SB9-107(10.0)			SB9-107(19.5)			SB9-107(25.5)		
Sampling Location	SB009-106(19.0)			SB009-106(25.0)			SB009-107(05.0)			SB009-107(10.0)			SB009-107(19.5)			SB009-107(25.5)		
Sample Date	7/30/91			7/30/91			7/30/91			7/30/91			7/30/91			7/30/91		
Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Aluminum	21100.00	E*BJ		18700.00	E*BJ		14000.00	E*BJ		19300.00	E*BJ		14200.00	E*BJ		19700.00	E*BJ	
Antimony	8.00	UNR		8.20	UNR		7.70	UNR		8.20	UNR		8.00	UNR		8.10	UNR	
Arsenic	0.54	BNW	J	1.90	BNW	J	3.90	NSJ		15.00	MNS	J	5.50	NSJ		2.40	BNS	J
Barium	127.00	E		124.00	E		238.00	E		194.00	E		141.00	E		121.00	E	
Beryllium	0.48	B		0.48	B		0.58	B		0.77	B		0.54			0.51	B	
Cadmium	1.20	U		1.30	U		1.20	U		1.40			1.20	U		1.30	U	
Calcium	18300.00	EB		22400.00	EB		74200.00	EB		28700.00	EB		6690.00	EB		22100.00	EB	
Chromium	133.00	*J		98.00	*J		34.30	*J		65.50	*J		56.50	*J		101.00	*J	
Cobalt	25.30			17.00			11.10	B		18.00			15.80			17.70		
Copper	52.10	UB		46.40	UB		30.90	UB		47.20	UB		37.20	UB		38.50	UB	
Iron	34800.00	EB		31300.00	EB		17300.00	EB		29600.00	EB		24500.00	EB		28800.00	EB	
Lead	6.30	J		4.30	J		6.20	JS		13.40	SJ		9.00	J		4.10	SJ	
Magnesium	18500.00	E		15200.00	E		14200.00	E		15100.00	E		12400.00	E		13700.00	E	
Manganese	366.00	EJ		326.00	EJ		349.00	EJ		504.00	EJ		234.00	EJ		292.00	EJ	
Mercury	0.12	U		0.13	U		0.12	U		0.13	U		0.12	U		0.13	U	
Nickel	111.00			83.30			57.50			91.00			79.20			83.70		
Potassium	6130.00	B		2990.00	B		1500.00	B		3620.00	B		3360.00	B		2670.00	B	
Selenium	2.60	NS		0.51	UNW		0.48	UNW		2.90	NSJ		0.5	UNW		0.5	UNW	
Silver	0.77	B		0.51	U		0.65	B		0.51	U		0.7	B		1.10	B	
Sodium	407.00	UBE		405.00	UBE		536.00	UBE		466.00	UBE		400.00	UBE		396.00	UBE	
Thallium	0.5	UN		0.51	UNJ		0.48	UNW	J	0.51	UNJ		0.5	UNJ		0.5	UNJ	
Vanadium	98.00	E		84.80	E		27.90	E		67.80	E		60.00	E		84.90	E	
Zinc	64.40	B		57.60	B		50.10	B		76.40	B		62.40	B		53.90	B	

Other analytes were analyzed for but were not detected/qualified.
U - Undetected at the concentration reported.
B - Analyte is found in associated blank, as well as in the sample.
E - Reported value is estimated because of the presence of interference.
W - Post digestion spike for Furnace Atomic Absorption analysis is out of control limits (85 - 115%), while sample absorbance is less than 50% of spike absorbance.
J - Value is estimated
R - Value is unusable

SOIL SAMPLE PHYSICAL PROPERTY DATA

SMITH-EMERY COMPANY
The Full Service Independent Testing Laboratory, Established 1904
781 East Washington Blvd.
Los Angeles, California 90021
(213) 749-3411
Fax (213) 746-7228

August 28, 1991

SECo File No.: 23590
SECo Report No.: G-91-6204

PRC
120 Howard Street, Suite 700
San Francisco, California 94105

Attention: Mr. Tom Adkisson

RE: LABORATORY TEST
Moffett Site 9, Building 29
Sunnyvale, California

Gentlemen:

In accordance with your request, Smith-Emery Company has completed the laboratory testing of the soil samples received on August 6, 1991. The results of the test are as follows:

SAMPLE 1 SB009-104 @ 15.0 FEET

1. Falling Head Permeability:

Moisture Content, % Before	Moisture Content, % After	Bulk Density, pcf Before	Bulk Density, pcf After	Surcharge Load PSF	k 20°C (Avergae) cm/sec
24.1	22.8	102	105	1,900	2.46 x 10-8

2. Air Permeability:

K air = 5.5 md (microdarcy)

3. Porosity: n = 0.40

4. Atterberg Limits:

Liquid Limit	46
Plasticity Index	27

5. Specific Gravity: 2.71

6. See Attached Grain Size Distribution Sheet:

Anaheim
5427 East La Palma Ave.
Anaheim, California 92807
(714) 693-1026
Fax (714) 693-1034

San Francisco
Hunters Point Shipyard, Bldg. 114
P.O. Box 880550
San Francisco, California 94188
(415) 822-8880
Fax (415) 822-5864

SECo File No.: 23590
SECo Report No.: G-91-6204

SAMPLE 2 SB009-104 @ 11.5 FEET

1. Falling Head Permeability

Moisture Content, % Before/After		Bulk Density, pcf Before/After		Surcharge Load (psf)	K 20°C (Average) cm/sec
32.2	32.9	88	90	1,300	6.18 x 10-8

2. Air Permeability:

K air = 333.0 md (microdarcy)

3. Porosity: n = 0.48

4. Atterberg Limit:

Liquid limit	51
Plastic Index	29

5. Specific Gravity: 2.71

6. See Attached Grain Size Distribution:

SAMPLE 3 SB009-106 @ 12.0 FEET

1. Falling Head Permeability:

Moisture Content, % Before/After		Bulk Density, pcf Before/After		Surcharge Load (psf)	K 20°C (Average) cm/sec
26.2	24.9	97	102	1,500	1.16 x 10-7

2. Air Permeability:

K air = 42.3 md (microdarcy)

3. Porosity: n = 0.42

SECo File No.: 23590
SECo Report No.: G-91-6204

4. Atterberg Limits:

Liquid limit	50
Plasticity Index	28

5. Specific Gravity: 2.69

6. See Attached Grain Size Distribution Sheet:

SAMPLE 4 SB009 107 @ 13.3 FEET

1. Falling Head Permeability:

Moisture Content, % Before/After		Bulk Density, pcf Before/After		Surcharge Load (psf)	K 20°C Average cm/sec
36.0	35.6	84	87	1,500	7.03 x 10-8

2. Air Permeability:

K air = 54.4 md (microdarcy)

3. Porosity: n = 0.50

4. Atterberg Limits:

Liquid Limit	37
Plasticity Index	14

5. Specific Gravity: 2.71

6. See Attached Grain Size Distribution Sheet:

SMITH-EMERY COMPANY

SECo File No.: 23590
SECo Report No.: G-91-6204

Sample 5 SB009-107 @ 14.5 FEET

1. Falling Head Permeability:

Moisture Content, % Before/After		Bulk Density, pcf Before/After		Surcharge Load (psf)	K 20°C Average cm/sec
27.6	27.6	97	100	1,800	8.97 x 10-8

2. Air Permeability:

K air = 3.54 md (microdarcy)

3. Porosity: n = 0.43

4. Atterberg Limits:

Liquid Limit	46
Plasticity Index	27

5. Specific Gravity: 2.71

6. See Attached Grain Size Distribution Sheet:

Note: pcf - pounds per cubic foot
psf - pounds per square foot

If you have any question please call.

Respectfully submitted,

SMITH - EMERY COMPANY

Raf Hutalla

RAF HUTALLA
Geotechnical Manager

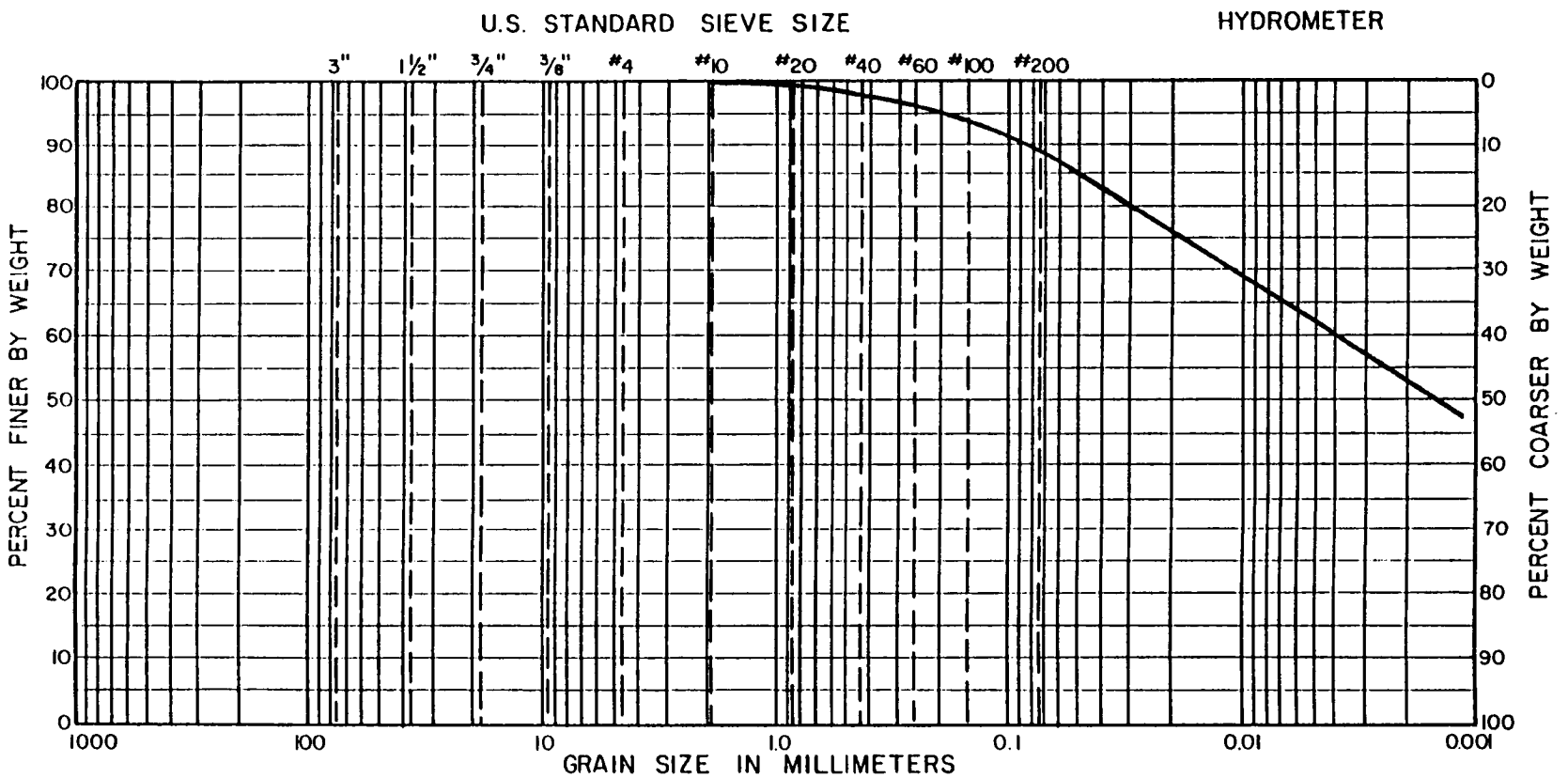
Reviewed and Approved By

Lutz Kunze

LUTZ KUNZE, R.G.E. 493
Vice President

Attachment: Chain-of-Custody

DWN. BY: RV CHKD. BY: RH DATE: 8/14/91 PROJECT: PRC, MOFFETT SITE 9 FILE: 23590



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

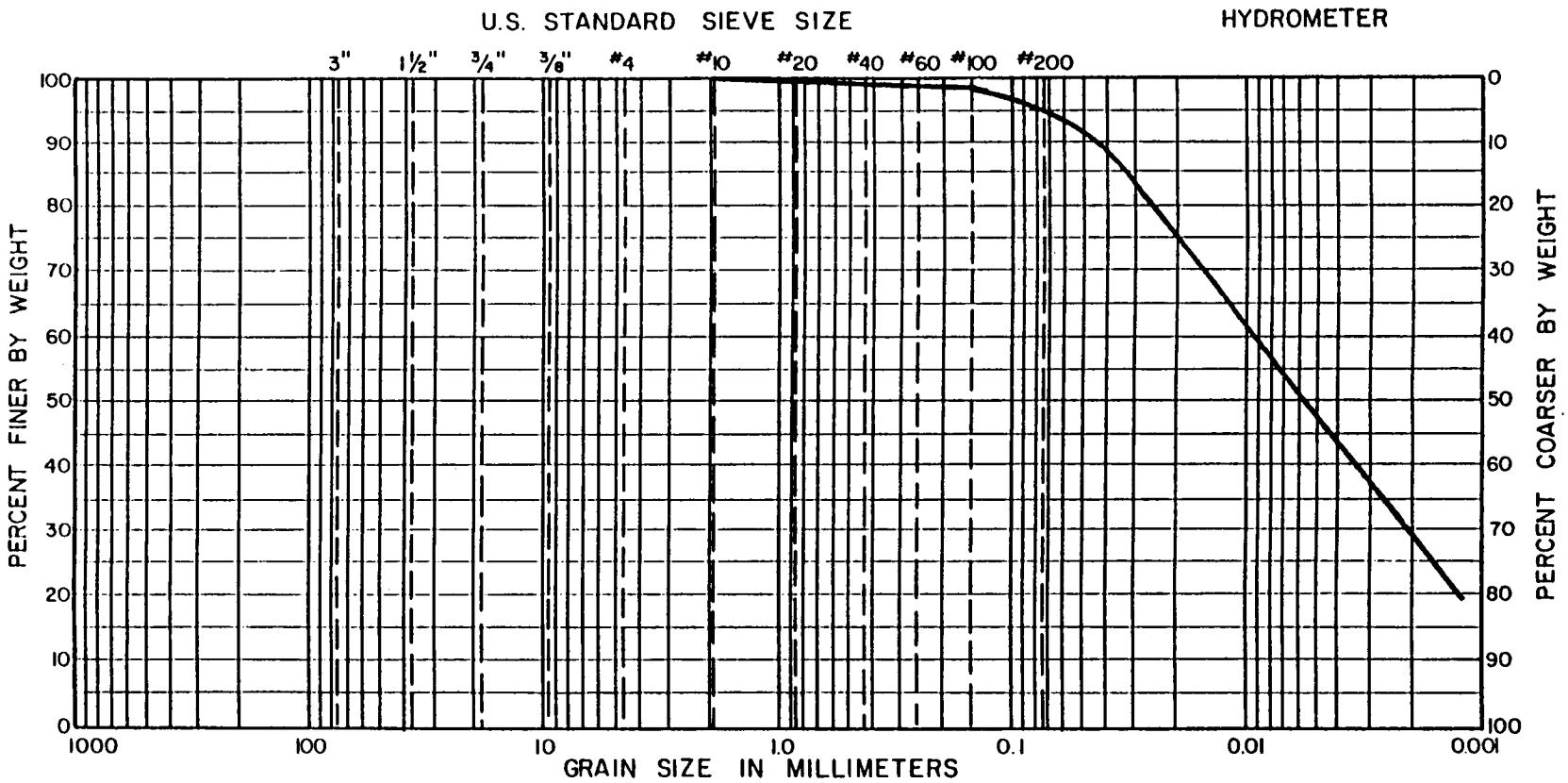
KEY	BORING	DEPTH	CLASSIFICATION
	SB009-106	12.0 ft.	Dark gray silty CLAY with fine sand

SMITH-EMERY COMPANY

PLATE

GRAIN SIZE DISTRIBUTION

DWN. BY: RV CHKD. BY: RH DATE: 8/14/91 PROJECT: PA., MOFFETT SITE 9 FILE: 23590



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

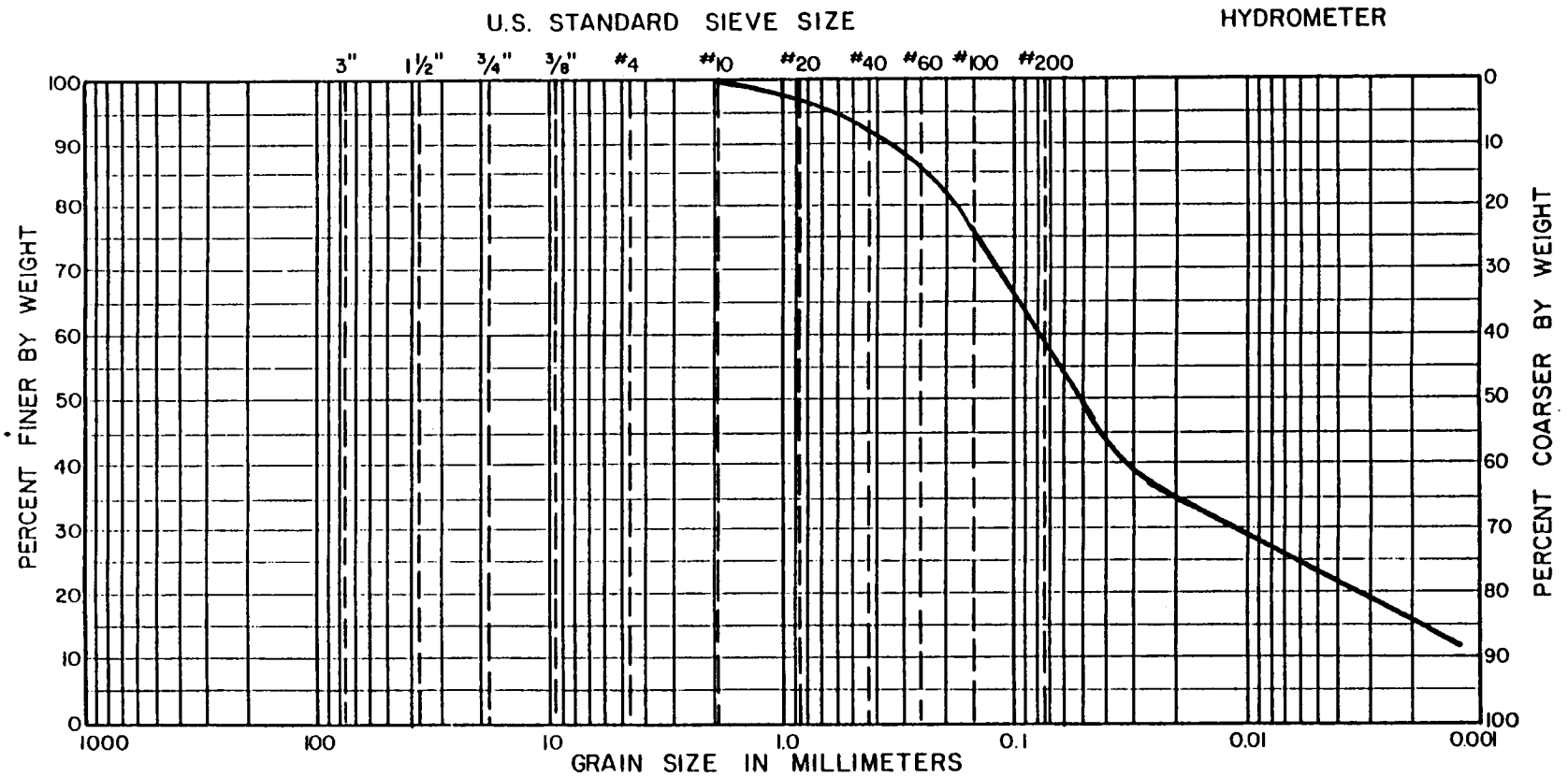
KEY	BORING	DEPTH	CLASSIFICATION
	SB009-107	13.3 ft.	Gray clayey SILT with fine sand

SMITH-EMERY COMPANY

PLATE

GRAIN SIZE DISTRIBUTION

DWN. BY: RV CHKD. BY: RH DATE: 8/14/91 PROJECT: PRC, MOFFETT SITE 9 FILE: 23590



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

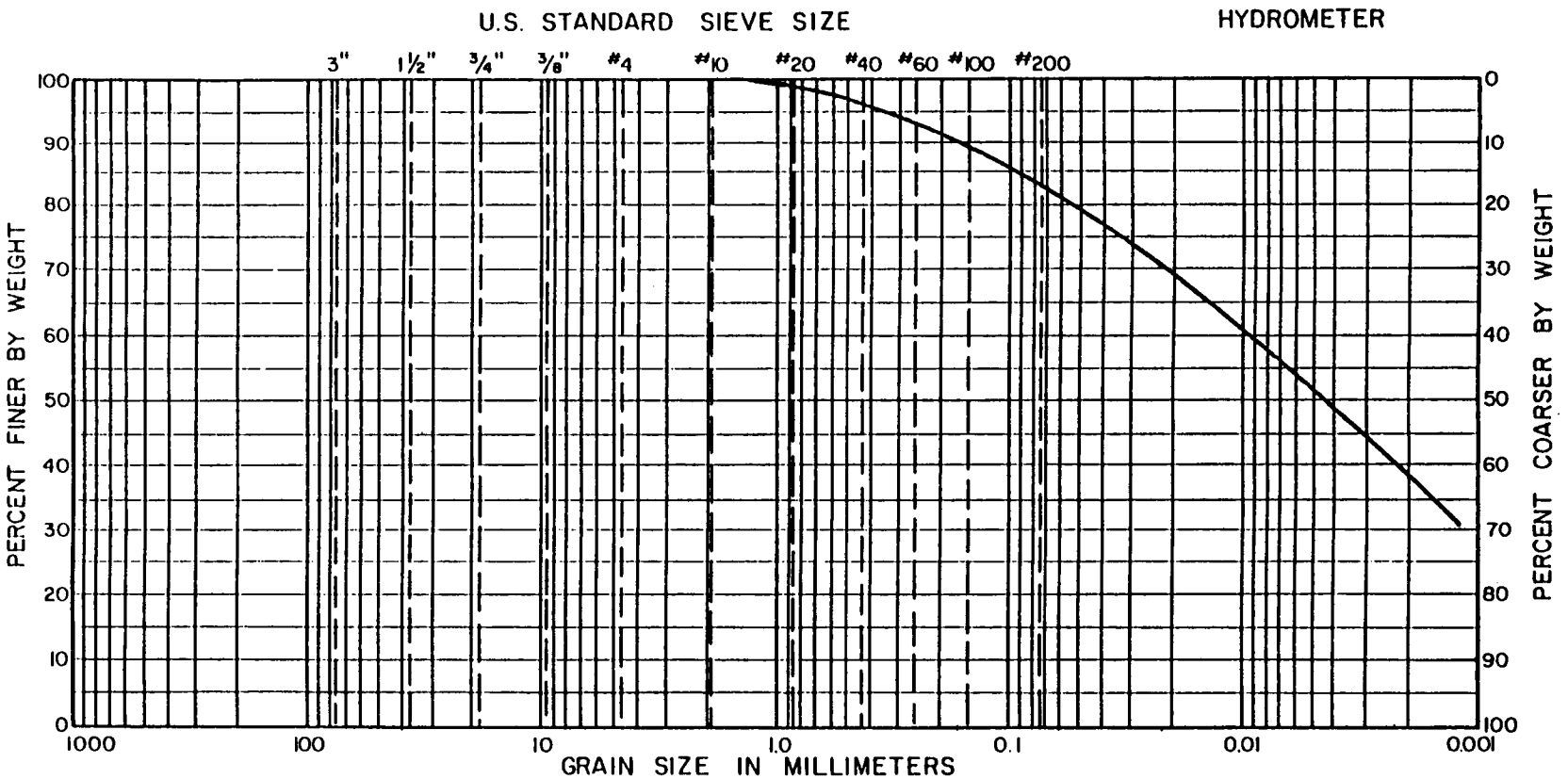
KEY	BORING	DEPTH	CLASSIFICATION
	SB009-107	14.5 ft.	Light greenish sandy SILT with some clay

SMITH-EMERY COMPANY

PLATE

GRAIN SIZE DISTRIBUTION

DWN. BY: RV CHKD. BY: RH DATE: 8/14/91 PROJECT: PRO MOFFETT SITE 9 FILE: 23590



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

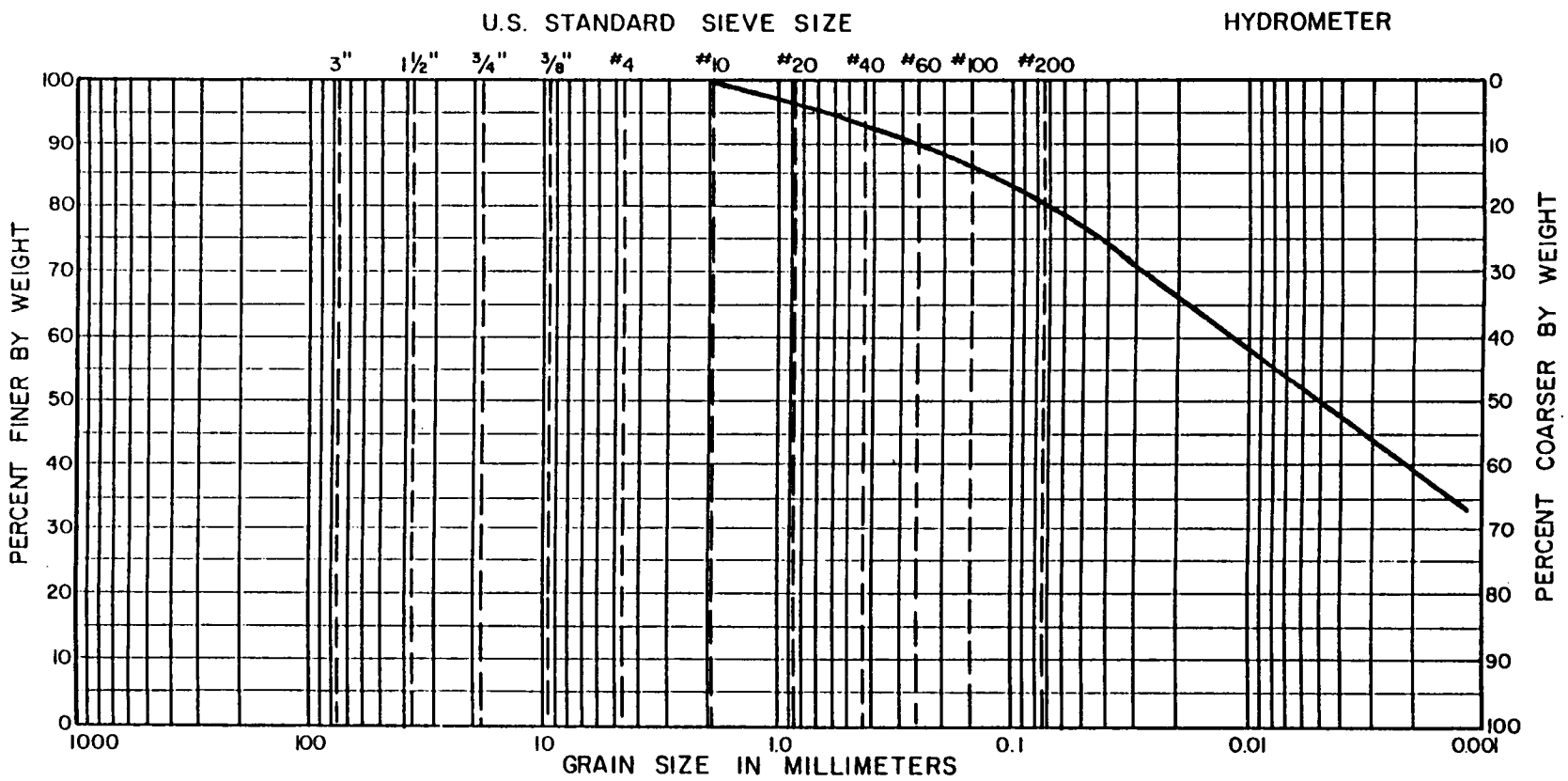
KEY	BORING	DEPTH	CLASSIFICATION
	SB009-104	15.0 ft.	Light gray clayey SILT with some sand

SMITH-EMERY COMPANY

PLATE

GRAIN SIZE DISTRIBUTION

DWN. BY: RV CHKD. BY: RH DATE: 8/14/91 PROJECT: PRC, MOFFET SITE 9 FILE: 23590



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

KEY	BORING	DEPTH	CLASSIFICATION
	SB009-104	11.5 ft.	Light gray clayey SILT with fine sand

SMITH-EMERY COMPANY

PLATE

GRAIN SIZE DISTRIBUTION

Smith Energy

~~MID-PACIFIC ENVIRONMENTAL~~ LABORATORY

CHAIN OF CUSTODY

Yogi Kaitz
Smith Energy Lab
781 East Washington Blvd
Los Angeles, CA 90021
213/749-3767

MPEL Proposal Number: _____

Page ___ of ___

Company Name: PRC	Project Manager: Tom Adkisson
Project Number:	Project Name: Moffett Site 9
Sampled by: (Printed & Written Signature) Lynn Valdivia	

SAMPLE ID	DATE	TIME	MATRIX	SAMPLE LOCATION	Number of Conts.	Kw permeability	Saturated hydraulic conductivity	Particle size	moisture content	Bulk density	porosity	Atterberg limits	Specific Gravity	REMARKS Turnaround Time Fax/Hard Copy/Verbal
SB009-104(15.0)	7-30-91		Soil	Bldg 29	1	X	X	X	X	X	X	X	X	
SB009-104(11.5)	7-30-91		Soil	↓	1	X	X	X	X	X	X	X	X	
SB009-106(12.0)	7-30-91		Soil	↓	1	X	X	X	X	X	X	X	X	
SB009-107(14.5)	7-30-91	1855	Soil	↓	1	X	X	X	X	X	X	X	X	
SB009-107(13.5)	7-30-91	1855	Soil	↓	1	X	X	X	X	X	X	X	X	

Relinquished by:	Date/Time	Received by:	REMARKS
Lynn Valdivia	8/5/91 1355	[signature] 8-6-91 0900	Shipped by Fed Ex
Relinquished by:	Date/Time	Received by:	
Relinquished by:	Date/Time	Received for lab by:	Date/Time: MID-PACIFIC Environmental lab, 625B Clyde Avenue, Mountain View, CA (415) 964-0844

APPENDIX E

GROUND WATER SAMPLE ANALYTICAL DATA

APPENDIX E

GROUND WATER SAMPLE ANALYTICAL RESULTS

TABLE OF CONTENTS

Table	
E-1	HydroPunch samples - VOCs
E-2	Monitoring well samples - VOCs
E-3	Monitoring well samples - TPH
E-4	Monitoring well samples - Total metals
E-5	Monitoring well samples - Filtered metals
E-6	IT monitoring well samples - 2nd quarter 1991
E-7	MEW monitoring well samples - 2nd quarter 1991
E-8	NASA monitoring well samples - 1st quarter 1991

These tables contain data from real samples, duplicate samples, and quality control samples (trip blanks and equipment blanks). Refer to Appendix G for a list of duplicate samples, trip blanks, and equipment blanks.

Table E-1
ANALYTICAL RESULTS
FOR GROUND WATER SAMPLES, HYDROPUNCH SAMPLES
VOCs

Site NAS Moffett Field
Lab Mid Pacific
Reviewer G. Farmer
Date 9/24/91

Concentration in ug/l

Sample ID	HP009-001			HP009-003			HP009-004			HP009-005			HP009-007			HP009-008		
Sampling Location	HP009-001(23.0)			HP009-003(39.4)			HP009-004(11.8)			HP009-005(39.4)			HP009-007(15.1)			HP009-008(17.7)		
Sample Date	7/12/91			7/11/91			7/12/91			7/11/91			7/12/91			7/12/91		
Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
1,1 DCA	62.00	J		28.00	J		17.00			50.00	U		10.00	U		100.00		
1,1 DCE	76.00	J		33.00	J		5.00	J		13.00	J		10.00	U		120.00		
1,2 DCE	160.00			400.00			90.00			96.00			10.00	U		1400.00		
1,1,1 TCA	100.00	U		50.00	U		10.00	U		50.00	U		10.00	U		100.00	U	
TCE	1800.00			50.00	U		10.00	U		740.00			10.00	U		1400.00		
PCE	100.00	U		50.00	U		10.00	U		50.00	U		10.00	U		100.00	U	
Vinyl Chloride	100.00	U		50.00	U		10.00	U		50.00	U		10.00	U		100.00	U	
Freon 113																		
dichloro triflouro ethane																		
Acetone	100.00	U		50.00	U		10.00	U		26.00	UBJ		10.00	U		46.00	UBJ	
2-butanone (MEK)	100.00	U		50.00	U		10.00	U		50.00	U		10.00	U		100.00	U	
Methylene chloride	22.00	J		50.00	U		10.00	U		4.00	J		10.00	U		100.00	U	
Carbon disulfide	100.00	U		50.00	U		10.00	U		50.00	U		10.00	U		100.00	U	
2-hexanone	100.00	U		50.00	U		10.00	U		50.00	U		10.00	U		100.00	U	
4-methyl-2-pentanone	100.00	U		50.00	U		10.00	U		50.00	U		10.00	U		100.00	U	

Other analytes were analyzed for but were not detected/qualified.
U - Undetected at the concentration reported.
B - Analyte is found in associated blank, as well as in the sample.
J - Estimated Value

E-1

Table ~~8~~ (Con't)

ANALYTICAL RESULTS

FOR GROUND WATER SAMPLES, HYDROPUNCH SAMPLES

VOCs

Site NAS Moffett Field
Lab Mid Pacific
Reviewer G. Farmer
Date 9/24/91

Concentration in ug/l

Sample ID	HP009-008			HP009-009			HP009-010			HP009-011			TB009-003			TB009-004		
Sampling Location	HPO009-008(99.0)			HP009-009(26.2)			HP009-010(20.7)			HP009-011(09.8)			TB009-003(00.0)			TB009-004(00.0)		
Sample Date	7/12/91			7/11/91			7/12/91			7/15/91			7/12/91			7/22/91		
Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
1,1 DCA	94.00	J		93.00	J		500.00	U		250.00	U		10.00	U		10.00	U	
1,1 DCE	120.00			140.00	J		500.00	U		250.00	U		10.00	U		10.00	U	
1,2 DCE	1300.00			780.00			460.00	J		280.00			10.00	U		10.00	U	
1,1,1 TCA	100.00	U		200.00	U		500.00	U		250.00	U		10.00	U		10.00	U	
TCE	1100.00			2900.00			5000.00			2700.00			10.00	U		10.00	U	
PCE	100.00	U		200.00	U		500.00	U		250.00	U		10.00	U		10.00	U	
Vinyl Chloride	100.00	U		200.00	U		500.00	U		250.00	U		10.00	U		10.00	U	
Freon 113 dichloro triflouro ethane																		
Acetone	38.00	BJ		200.00	U		500.00	U		250.00	U		10.00	U		10.00	U	
2-butanone (MEK)	100.00	U		200.00	U		500.00	U		250.00	U		10.00	U		10.00	U	
Methylene chloride	100.00	U		200.00	U		500.00	U		250.00	U		10.00	U		10.00	U	
Carbon disulfide	100.00	U		200.00	U		500.00	U		250.00	U		10.00	U		10.00	U	
2-hexanone	100.00	U		200.00	U		500.00	U		250.00	U		10.00	U		10.00	U	
4-methyl-2-pentanone	100.00	U		200.00	U		500.00	U		250.00	U		10.00	U		10.00	U	

Other analytes were analyzed for but were not detected/qualified.

U - Undetected at the concentration reported.

B - Analyte is found in associated blank, as well as in the sample.

J - Estimated Value

Table E-2
ANALYTICAL RESULTS
FOR GROUND WATER SAMPLES, WELL SAMPLES
VOCs

Site NAS Moffett Field
Lab Mid Pacific/Sequoia
Reviewer G. Farmer
Date 9/24/91

Concentration in ug/l

Sample ID	ERM-4			FP9-1(A1)			FP9-1(A1)			W9-44(A1)			W9-45(A1)			W9-46(A1)		
Sampling Location	ERM-4(13.0)			FP9-1(A1)(13.7)			FP9-1(A1)(99.9)			W9-44(A1)(16.1)			W9-45(A1)(14.3)			W9-46(A1)(17.0)		
Sample Date	7/19/91			7/23/91			7/23/91			8/3/91			8/3/91			7/31/91		
Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
1,1 DCA	1000.00	U		32.00	J		41.00	J		84.0	J		20.00	J		200.00	U	
1,1 DCE	1000.00	U		26.00	J		34.00	J		120.0	J		40.00	J		79.00	J	
1,2 DCE	760.00	J		920.00			840.00			480.0	J		310.00			620.00		
1,1,1 TCA	1000.00	U		100.00	U		100.00	U		500.0	U		100.00	U		200.00	U	
TCE	3800.00			100.00	U		100.00	U		4400.0			1200.00			2800.00		
PCE	7800.00			100.00	U		100.00	U		500.0	U		100.00	U		200.00	U	
Vinyl Chloride	1000.00	U		120.00			190.00			500.0	U		100.00	U		200.00	U	
Freon 113 dichloro triflouro ethane																		
Acetone	380.00	BJ		100.00	U		100.00	U		160.0	BJ		37.00	UBJ		200.00	U	
2-butanone (MEK)	1000.00	U		100.00	U		100.00	U		500.0	U		100.00	U		200.00	U	
Methylene chloride	1000.00	U		100.00	U		100.00	U		500.0	U		7.00	UBJ		200.00	U	
Carbon disulfide	1000.00	U		100.00	U		100.00	U		500.0	U		100.00	U		200.00	U	
2-hexanone	1000.00	U		100.00	U		100.00	U		500.0	U		100.00	U		200.00	U	
4-methyl-2-pentanone	1000.00	U		100.00	U		100.00	U		500.0	U		100.00	U		200.00	U	

Other analytes were analyzed for but were not detected/qualified.

U - Undetected at the concentration reported.

B - Analyte is found in associated blank, as well as in the sample.

J - Estimated Value

Table E-2 (Con't)
ANALYTICAL RESULTS
FOR GROUND WATER SAMPLES, WELL SAMPLES
VOCs

Site NAS Moffett Field
Lab Mid Pacific/Sequoia
Reviewer G. Farmer
Date 9/24/91

Concentration in ug/l

Sample ID	W9-47(A1)			W29-01(A1)			W29-01(A1)			W29-02(A1)			W29-03(A1)			W29-03(A1)		
Sampling Location	W9-47(A1)(17.0)			W29-01(A1)(00.0)			W29-01(A1)(13.3)			W29-02(A1)(12.0)			W29-03(A1)(00.0)			W29-03(A1)(13.0)		
Sample Date	8/2/91			7/24/91			7/24/91			7/15/91			7/16/91			7/17/91		
Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
1,1 DCA	100.00	U		10.00	U		50.00	U		14.00			10.00	U		100.00	U	
1,1 DCE	100.00	U		10.00	U		50.00	U		10.00	U		10.00	U		43.00	J	
1,2 DCE	100.00	U		10.00	U		600.00			5.00	J		10.00	U		1100.00		
1,1,1 TCA	100.00	U		10.00	U		50.00	U		10.00	U		10.00	U		100.00	U	
TCE	100.00	U		10.00	U		50.00	U		10.00	U		10.00	U		800.00		
PCE	100.00	U		10.00	U		50.00	U		10.00	U		10.00	U		100.00	U	
Vinyl Chloride	100.00	U		10.00	U		290.00			15.00			10.00	U		100.00	U	
Freon 113 dichloro triflouro ethane																		
Acetone	57.00	UBJ		10.00	U		50.00	U		10.00	U		10.00	U		100.00	U	
2-butanone (MEK)	19.00	J		10.00	U		50.00	U		10.00	U		10.00	U		100.00	U	
Methylene chloride	11.00	BJ		10.00	U		50.00	U		10.00	U		65.00			100.00	U	
Carbon disulfide	100.00	U		10.00	U		50.00	U		10.00	U		10.00	U		100.00	U	
2-hexanone	100.00	U		10.00	U		50.00	U		10.00	U		10.00	U		100.00	U	
4-methyl-2-pentanone	100.00	U		10.00	U		50.00	U		10.00	U		10.00	U		100.00	U	

Other analytes were analyzed for but were not detected/qualified.

U - Undetected at the concentration reported.

B - Analyte is found in associated blank, as well as in the sample.

J - Estimated Value

Table E-2 (Con't)
ANALYTICAL RESULTS
FOR GROUND WATER SAMPLES, WELL SAMPLES
VOCs

Site NAS Moffett Field
Lab Mid Pacific/Sequoia
Reviewer G. Farmer
Date 9/24/91

Concentration in ug/l

Sample ID	W29-04(A1)			W29-05(A1)			W29-06(A1)			W29-07(A2)			W29-08(A2)			W29-09(A2)		
Sampling Location	W29-04(A1)(13.5)			W29-05(A1)(11.3)			W29-06(A1)(16.0)			W29-07(A2)(17.0)			W29-08(A2)(19.4)			W29-09(A2)(19.3)		
Sample Date	7/17/91			7/17/91			7/16/91			7/26/91								
Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
1,1 DCA	52.00			200.00	U		500.00	U		200.00	U		1000.00	U		5.00	J	
1,1 DCE	45.00	J		200.00	U		500.00	U		140.00	J		1000.00	U		10.00		
1,2 DCE	540.00			1300.00			500.00			470.00			1000.00	U		45.00		
1,1,1 TCA	50.00	U		200.00	U		500.00	U		200.00	U		1000.00	U		10.00	U	
TCE	170.00			200.00	U		6800.00			3600.00			9200.00			130.00		
PCE	50.00	U		200.00	U		500.00	U		200.00	U		1000.00	U		10.00	U	
Vinyl Chloride	50.00	U		200.00	U		500.00	U		200.00	U		1000.00	U		10.00	U	
Freon 113 dichloro triflouro ethane										190.00	JN					14.00	JN	
Acetone	50.00	U		200.00	U		1200.00			98.00	J		370.00	BJ		13.00		
2-butanone (MEK)	50.00	U		200.00	U		1400.00			200.00	U		1000.00	U		10.00	U	
Methylene chloride	50.00	U		200.00	U		500.00	U		200.00	U		1000.00	U		10.00	U	
Carbon disulfide	50.00	U		200.00	U		500.00	U		200.00	U		1000.00	U		10.00	U	
2-hexanone	50.00	U		200.00	U		2100.00			200.00	U		1000.00	U		10.00	U	
4-methyl-2-pentanone	50.00	U		200.00	U		2400.00			200.00	U		1000.00	U		10.00	U	

Other analytes were analyzed for but were not detected/qualified.
U - Undetected at the concentration reported.
B - Analyte is found in associated blank, as well as in the sample.
J - Estimated Value
N - Spiked sample recovery not within control limits, but acceptable

Table E-2 (Con't)
ANALYTICAL RESULTS
FOR GROUND WATER SAMPLES, WELL SAMPLES
VOCs

Site NAS Moffett Field
Lab Mid Pacific/Sequoia
Reviewer G. Farmer
Date 9/24/91

Concentration in ug/l

Sample ID	W29-10(A2)			W56-01(A1)			W56-01(A1)			W56-02(A1)			W56-02(A1)			W61-01(A1)		
Sampling Location	W29-10(A2)(18.7)			W56-01(A1)(24.0)			W56-01(A1)(101)			W56-02(A1)(16.0)			W56-02(A1)(18.0)			W61-01(A1)(00.0)		
Sample Date	7/26/91			7/29/91			7/30/91			7/15/91			7/15/91			7/23/91		
Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
1,1 DCA	10.00	U		59.00	J		10.00	U		100.00	U		100.00	U		10.00	U	
1,1 DCE	10.00	U		39.00	J		10.00	U		100.00	U		100.00	U		10.00	U	
1,2 DCE	13.00			570.00			10.00	U		100.00	U		100.00	U		10.00	U	
1,1,1 TCA	10.00	U		100.00	U		10.00	U		100.00	U		100.00	U		10.00	U	
TCE	12.00			57.00	J		10.00	U		1400.00			1600.00			10.00	U	
PCE	10.00	U		100.00	U		10.00	U		100.00	U		100.00	U		10.00	U	
Vinyl Chloride	10.00	U		100.00	U		10.00	U		100.00	U		100.00	U		10.00	U	
Freon 113 dichloro triflouro ethane																		
Acetone	6.00	J		61.00	BJ		23.00	B		100.00	U		100.00	U		7.00	BJ	
2-butanone (MEK)	10.00	U		41.00	J		9.00	J		100.00	U		100.00	U		10.00	U	
Methylene chloride	10.00	U		7.00	UBJ		10.00	U		100.00	U		100.00	U		10.00	U	
Carbon disulfide	10.00	U		100.00	U		10.00	U		100.00	U		100.00	U		10.00	U	
2-hexanone	10.00	U		100.00	U		10.00	U		100.00	U		100.00	U		10.00	U	
4-methyl-2-pentanone	10.00	U		100.00	U		10.00	U		100.00	U		100.00	U		10.00	U	

Other analytes were analyzed for but were not detected/qualified.

U - Undetected at the concentration reported.

B - Analyte is found in associated blank, as well as in the sample.

J - Estimated Value

Table E-2 (Con't)
ANALYTICAL RESULTS
FOR GROUND WATER SAMPLES, WELL SAMPLES
VOCs

Site NAS Moffett Field
Lab Mid Pacific/Sequoia
Reviewer G. Farmer
Date 9/24/91

Concentration in ug/l

Sample ID	W61-01(A1)			W67-01(A1)			W68-01(A1)											
Sampling Location	W61-01(A1)(13.1)			W67-01(A1)(10.8)			W68-01(A1)(16.2)											
Sample Date	7/23/91			7/23/91			7/23/91											
Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
1,1 DCA	56.00	J		46.00	J		66.00											
1,1 DCE	60.00	J		77.00	J		26.00											
1,2 DCE	270.00			660.00			480.00											
1,1,1 TCA	250.00	U		125.00	U		12.00	U										
TCE	2100.00			3100.00			160.00											
PCE	250.00	U		125.00	U		340.00											
Vinyl Chloride	250.00	U		250.00	U		25.00	U										
Freon 113 dichloro triflouro ethane							37.00	J										
Acetone	170.00	BJ		250.00	U		25.00	U										
2-butanone (MEK)	250.00	U		250.00	U		25.00	U										
Methylene chloride	250.00	U		125.00	U		12.00	U										
Carbon disulfide	250.00	U		125.00	U		12.00	U										
2-hexanone	250.00	U		250.00	U		25.00	U										
4-methyl-2-pentanone	250.00	U		250.00	U		25.00	U										

Other analytes were analyzed for but were not detected/qualified.
U - Undetected at the concentration reported.
B - Analyte is found in associated blank, as well as in the sample.
J - Estimated Value

Table E-2 (Con't)
ANALYTICAL RESULTS
FOR GROUND WATER SAMPLES, TRIP BLANKS
VOCs

Site NAS Moffett Field
Lab Mid Pacific/Sequoia
Reviewer G. Farmer
Date 9/24/91

Concentration in ug/l

Sample ID	TB009-002			TB009-003			TB009-004			TB009-005			TB009-006			TB009-007		
Sampling Location	TB009-002(00.0)			TB009-003(00.0)			TB009-004(00.0)			TB009-005(00.0)			TB009-006(00.0)			TB009-007(00.0)		
Sample Date	7/11/91			7/12/91			7/22/91			7/23/91			7/24/91			7/24/91		
Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
1,1 DCA	10.00	U		10.00	U		10.00	U		10.00	U		5.00	U		10.00	U	
1,1 DCE	10.00	U		10.00	U		10.00	U		10.00	U		5.00	U		10.00	U	
1,2 DCE	4.00	J		10.00	U		10.00	U		10.00	U		5.00	U		10.00	U	
1,1,1 TCA	10.00	U		10.00	U		10.00	U		10.00	U		5.00	U		10.00	U	
TCE	10.00	U		10.00	U		10.00	U		10.00	U		5.00	U		10.00	U	
PCE	10.00	U		10.00	U		10.00	U		10.00	U		5.00	U		10.00	U	
Vinyl Chloride	10.00	U		10.00	U		10.00	U		10.00	U		10.00	U		10.00	U	
Freon 113 dichloro triflouro ethane																		
Acetone	10.00	U		10.00	U		10.00	U		6.00	BJ		10.00	U		10.00	U	
2-butanone (MEK)	10.00	U		10.00	U		10.00	U		10.00	U		10.00	U		10.00	U	
Methylene chloride	10.00	U		10.00	U		10.00	U		10.00	U		5.00	U		10.00	U	
Carbon disulfide	6.00	J		10.00	U		10.00	U		10.00	U		5.00	U		10.00	U	
2-hexanone	10.00	U		10.00	U		10.00	U		10.00	U		10.00	U		10.00	U	
4-methyl-2-pentanone	10.00	U		10.00	U		10.00	U		10.00	U		10.00	U		10.00	U	

Other analytes were analyzed for but were not detected/qualified.
U - Undetected at the concentration reported.
B - Analyte is found in associated blank, as well as in the sample.
J - Estimated Value

Table E-2 (Con't)
ANALYTICAL RESULTS
FOR GROUND WATER SAMPLES, TRIP BLANKS
VOCs

Site NAS Moffett Field
Lab Mid Pacific/Sequoia
Reviewer G. Farmer
Date 9/24/91

Concentration in ug/l

Sample ID	TB009-008			TB009-009			TB009-010			TB009-011								
Sampling Location	TB009-008(00.0)			TB009-009(00.0)			TB009-010(00.0)			TB009-011(00.0)								
Sample Date				7/29/91			7/31/91			7/31/91								
Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
1,1 DCA	5.00	U		10.00	U		5.00	U		10.00	U							
1,1 DCE	5.00	U		10.00	U		5.00	U		10.00	U							
1,2 DCE	5.00	U		10.00	U		5.00	U		10.00	U							
1,1,1 TCA	5.00	U		10.00	U		5.00	U		10.00	U							
TCE	5.00	U		10.00	U		5.00	U		10.00	U							
PCE	5.00	U		10.00	U		5.00	U		10.00	U							
Vinyl Chloride	10.00	U		10.00	U		10.00	U		10.00	U							
Freon 113 dichloro triflouro ethane																		
Acetone	10.00	U		10.00	U		10.00	U		4.00	J							
2-butanone (MEK)	10.00	U		10.00	U		10.00	U		10.00	U							
Methylene chloride	5.00	U		10.00	U		5.00	U		10.00	U							
Carbon disulfide	5.00	U		10.00	U		5.00	U		10.00	U							
2-hexanone	10.00	U		10.00	U		10.00	U		10.00	U							
4-methyl-2-pentanone	10.00	U		10.00	U		10.00	U		10.00	U							

Other analytes were analyzed for but were not detected/qualified.
U - Undetected at the concentration reported.
B - Analyte is found in associated blank, as well as in the sample.
J - Estimated Value

Table E-3
ANALYTICAL RESULTS
FOR GROUND WATER SAMPLES, WELL SAMPLES
TPH

Site NAS Moffett Field
Lab Mid Pacific/Sequoia
Reviewer G. Farmer
Date 9/24/91

Concentration in ug/l

Sample ID	W9-44(A1)			W9-45(A1)			W9-46(A1)			W9-47(A1)			W29-01(A1)			W29-01(A1)		
Sampling Location	W9-44(A1)(16.1)			W9-45(A1)(14.3)			W9-46(A1)(17.0)			W9-47(A1)(17.0)			W29-01(A1)(00.0)			W29-01(A1)(13.3)		
Sample Date	8/3/91			8/3/91			7/31/91			8/2/91			7/24/91			7/24/91		
Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
TPH Analysis																		
Purgeable																		
as gasoline	50.00	U		50.00	U		50.00	U		6800.00	J		50.00	U		2500.00		
Extractable																		
as JP-5	50.00	U		50.00	U		50.00	U		50.00	U		50.00	U		350.00		
as diesel	50.00	U		50.00	U		50.00	U		50.00	U		50.00	U		88.00		
as kerosene	50.00	U		50.00	U		50.00	U		1300.00			50.00	U		50.00	U	
as motor oil	500.00	U		500.00	U		500.00	U		500.00	U		500.00	U		500.00	U	
BTEX Analysis																		
Benzene	3.00			5.00			0.50	U		270.00			0.50	U		4.00		
Toluene	4.00			8.00			0.50	U		180.00			0.50	U		1.00	U	
Ethylbenzene	2.00	U		2.00	U		0.50	U		340.00			0.50	U		3.00		
Total Xylenes	2.00	U		2.00	U		0.50	U		480.00			0.50	U		1.00	U	
Total BTEX																		

Other analytes were analyzed for but were not detected/qualified.
U - Undetected at the concentration reported.
B - Analyte is found in associated blank, as well as in the sample.
J - Estimated Value

Table E-3 (Con't)
ANALYTICAL RESULTS
FOR GROUND WATER SAMPLES, WELL SAMPLES
TPH

Site NAS Moffett Field
Lab Mid Pacific/Sequoia
Reviewer G. Farmer
Date 9/24/91

Concentration in ug/l

Sample ID	W29-02(A1)			W29-3(A1)			W29-03(A1)			W29-04(A1)			W29-05(A1)			W29-06(A1)		
Sampling Location	W29-02(A1)(12.0)			W29-3(A1)(00.0)			W29-03(A1)(13.0)			W29-04(A1)(13.5)			W29-05(A1)(11.3)			W29-06(A1)(16.0)		
Sample Date	7/15/91			7/16/91			7/16/91			7/17/91			7/17/91			7/16/91		
Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
TPH Analysis																		
Purgeable																		
as gasoline	250.00	UJ		50.00	U		250.00	U		50.00	U		4500.00	J		1000.00	U	
Extractable																		
as JP-5	1600.00			50.00	U		50.00	U		50.00	U		1100.00			50.00	U	
as diesel	50.00	U		50.00	U		50.00	U		50.00	U		50.00	U		50.00	U	
as kerosene	50.00	U		50.00	U		50.00	U		50.00	U		50.00	U		50.00	U	
as motor oil	500.00	U		500.00	U		500.00	U		500.00	U		500.00	U		500.00	U	
BTEX Analysis																		
Benzene	77.00			0.50	U		2.00	U		0.60			8.00			10.00	U	
Toluene	2.00	U		0.50	U		2.00	U		0.50	U		2.00	U		10.00	U	
Ethylbenzene	2.00	U		0.50	U		2.00	U		0.50	U		2.00	U		10.00	U	
Total Xylenes	2.00	U		0.50	U		2.00	U		0.50	U		3.00			10.00	U	
Total BTEX																		

Other analytes were analyzed for but were not detected/qualified.
U - Undetected at the concentration reported.
B - Analyte is found in associated blank, as well as in the sample.
J - Estimated Value

Table E-3 (Con't)
ANALYTICAL RESULTS
FOR GROUND WATER SAMPLES, WELL SAMPLES
TPH

Site NAS Moffett Field
Lab Mid Pacific/Sequoia
Reviewer G. Farmer
Date 9/24/91

Concentration in ug/l

Sample ID	W29-07(A2)			W29-08(A2)			W29-09(A2)			W29-10(A2)			W56-01(A1)			W56-01(A1)		
Sampling Location	W29-07(A2)(17.0)			W29-08(A2)(19.4)			W29-09(A2)(19.3)			W29-10(A2)(18.7)			W56-01(A1)(24.0)			W56-01(A1)(101)		
Sample Date	7/26/91									7/26/91			7/29/91			7/30/91		
Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
TPH Analysis																		
Purgeable																		
as gasoline	50.00	U		50.00	U		50.00	U		50.00	UJ		5200.00	J		50.00	UJ	
Extractable																		
as JP-5	50.00	U		50.00	U		50.00	U		50.00	U		50.00	U		50.00	U	
as diesel	50.00	U		50.00	U		50.00	U		50.00	U		50.00	U		50.00	U	
as kerosene	50.00	U		50.00	U		50.00	U		50.00	U		1000.00			50.00	U	
as motor oil	500.00	U		500.00	U		500.00	U		500.00	U		500.00	U		500.00	U	
BTEX Analysis																		
Benzene	5.00	U		10.00	U		0.50	U		0.50	U		550.00			0.50	U	
Toluene	5.00	U		10.00	U		0.50	U		0.50	U		330.00			0.50	U	
Ethylbenzene	5.00	U		10.00	U		0.50	U		0.50	U		240.00			0.50	U	
Total Xylenes	5.00	U		10.00	U		0.50	U		0.50	U		360.00			0.50	U	
Total BTEX																		

Other analytes were analyzed for but were not detected/qualified.
U - Undetected at the concentration reported.
B - Analyte is found in associated blank, as well as in the sample.
J - Estimated Value

Table E-3 (Con't)
ANALYTICAL RESULTS
FOR GROUND WATER SAMPLES, WELL SAMPLES
TPH

Site NAS Moffett Field
Lab Mid Pacific/Sequoia
Reviewer G. Farmer
Date 9/24/91

Concentration in ug/l

Sample ID	W56-02(A1)			W56-02(A1)			W61-01(A1)			W61-01(A1)			W67-01(A1)			W68-01(A1)		
Sampling Location	W56-02(A1)(16.0)			W56-02(A1)(18.0)			W61-01(A1)(00.0)			W61-01(A1)(13.1)			W67-01(A1)(10.8)			W68-01(A1)(16.2)		
Sample Date	7/15/91			7/15/91			7/23/91			7/23/91			7/23/91			7/23/91		
Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
TPH Analysis																		
Purgeable																		
as gasoline	250.00	U		250.00	U		50.00	UJ		50.00	U		500.00	U		500.00	U	
Extractable																		
as JP-5	320.00			270.00			50.00	U		50.00	U		500.00	U		500.00	U	
as diesel	50.00	U		50.00	U		50.00	U		50.00	U							
as kerosene	50.00	U		50.00	U		50.00	U		50.00	U							
as motor oil	500.00	U		500.00	U		500.00	U		500.00	U							
BTEX Analysis																		
Benzene	2.00	U		2.00	U		0.50	U		5.00	U		300.00	U		0.60	U	
Toluene	2.00	U		2.00	U		0.50	U		5.00	U		300.00	U		0.60	U	
Ethylbenzene	11.00			10.00			0.50	U		5.00	U		300.00	U		0.60	U	
Total Xylenes	2.00	U		2.00	U		0.50	U		5.00	U		300.00	U		0.60	U	
Total BTEX																		

Other analytes were analyzed for but were not detected/qualified.
U - Undetected at the concentration reported.
B - Analyte is found in associated blank, as well as in the sample.
J - Estimated Value
D - Diluted sample

Table E-3 (Con't)
ANALYTICAL RESULTS
FOR GROUND WATER SAMPLES, WELL SAMPLES
TPH

Site NAS Moffett Field
Lab Mid Pacific/Sequoia
Reviewer G. Farmer
Date 9/24/91

Concentration in ug/l

Sample ID	ERM-4			FP9-1 (A1)			FP9-1 (A1)											
Sampling Location	ERM-4 (13.0)			FP9-1 (A1) (13.7)			FP9-1 (A1) (99.9)											
Sample Date	7/19/91			7/23/91			7/23/91											
Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
TPH Analysis																		
Purgeable																		
as gasoline	50.00	U		20000.00	J		24000.00	J										
Extractable																		
as JP-5	50.00	U		50.00	U		53.00											
as diesel	50.00	U		50.00	U		50.00	U										
as kerosene	50.00	U		50.00	U		50.00	U										
as motor oil	500.00	U		500.00	U		500.00	U										
BTEX Analysis																		
Benzene	0.50	U		1200.00			1300.00											
Toluene	0.50	U		14.00			17.00											
Ethylbenzene	0.50	U		810.00			910.00											
Total Xylenes	0.50	U		410.00			450.00											
Total BTEX																		

Other analytes were analyzed for but were not detected/qualified.
U - Undetected at the concentration reported.
B - Analyte is found in associated blank, as well as in the sample.
J - Estimated Value

Table E-4
ANALYTICAL RESULTS
FOR GROUND WATER SAMPLES, WELL SAMPLES
TOTAL METALS

Site NAS Moffett Field
Lab Mid Pacific
Reviewer G. Farmer
Date 9/24/91

Concentration in ug/l

Sample ID	W9-44(A1)			W9-45(A1)			W9-46(A1)			W9-47(A1)			W29-01(A1)			W29-01(A1)		
Sampling Location	W9-44(A1)(16.1)			W9-45(A1)(14.3)			W9-46(A1)(17.0)			W9-47(A1)(17.0)			W29-01(A1)(00.0)			W29-01(A1)(13.3)		
Sample Date	8/3/91			8/3/91			7/31/91			8/2/91			7/24/91			7/24/91		
Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Aluminum	175000.00	E		11500.00	E		3730.00	BENJ		61600.00	E		23.20	UBJ		15800.00	J	
Antimony	32.00	UN		32.00	UN		32.00	UNJ		32.00	UN		32.00	UNJ		32.00	UNJ	
Arsenic	16.00	BW		9.80	BS		1.00	U*		6.70	BW		1.00	UNJ*		7.00	BNW	J*
Barium	2600.00	E		989.00	E		71.00	BE		828.00	E		1.00	UNJ		317.00	NJ	
Beryllium	5.80			3.70	B		1.00	U		2.60	B		1.00	U		1.00	U	
Cadmium	5.00	U		5.00	U		5.00	U		5.00	U		5.00	UN*		5.00	UN	
Calcium	411000.00			372000.00			192000.00	E		243000.00			43.90	UB		122000.00		
Chromium	607.00	E		397.00	E		4.00	U		227.00	E		4.00	UNJ*		35.70	N*	
Cobalt	187.00			91.90			7.60	B		61.60			5.00	U		13.00	B	
Copper	489.00			267.00			4.30	UB*		189.00			21.10	UB		36.40		
Iron	240000.00			167000.00			3810.00	BENJ		98500.00			9.20	BJ		24500.00	J	
Lead	68.70	NS		41.60	NS		2.00	U		32.80	NS		2.00	UN		11.30	NS	
Magnesium	197000.00	E		152000.00	E		64800.00	E		11300.00	E		39.90	B		86300.00		
Manganese	4920.00			2570.00			189.00	E		1890.00			2.00	UJ		1540.00	J	
Mercury	0.91			0.50			0.20	U		0.31			0.20	U*		0.20	*	
Nickel	805.00			447.00			11.00	B		291.00			7.00	UN		44.30	N	
Potassium	12800.00			12200.00			2730.00	BR		8210.00			55.00	B		2700.00	B	
Selenium	20.00	UN		20.00	UN		2.00	UNW		20.00	UN		10.00	UNW	R	10.00	UEN	R
Silver	2.90	B		2.70	B		2.60	UB*		2.60	B		2.00	UN		2.00	UN	
Sodium	40500.00	E		39800.00	E		37600.00	E		54600.00	E		1510.00	UB		48700.00		
Thallium	2.00	UNW		2.00	UNW		2.00	UNW	J	2.00	UNW		2.00	UNR		2.00	UNW	R
Vanadium	583.00	E		410.00	E		14.20	B		227.00	E		2.00	U		50.70		
Zinc	616.00			379.00			33.70	B		236.00			9.60	UB		58.90		

Other analytes were analyzed for but were not detected/qualified.

U - Undetected at the concentration reported.

B - Analyte is found in associated blank, as well as in the sample.

E - Reported value is estimated because of the presence of interference.

W - Post digestion spike for Furnace Atomic Absorption analysis is out of control limits (85 - 115%), while sample absorbance is less than 50% of spike absorbance.

N - Spiked sample recovery not within control limits, but acceptable.

S - Determined by Method of Standard Additions.

R - Value is unusable.

* - Duplicate analysis result is out of control limit.

J - Value is estimated

Table E-4 (Con't)
ANALYTICAL RESULTS
FOR GROUND WATER SAMPLES, WELL SAMPLES
TOTAL METALS

Site NAS Moffett Field
Lab Mid Pacific
Reviewer G. Farmer
Date 9/24/91

Concentration in ug/l

Sample ID	W29-02(A1)			W29-03(A1)			W29-03(A1)			W29-04(A1)			W29-05(A1)			W29-06(A1)		
Sampling Location	W29-02(A1)(12.0)			W29-03(A1)(00.0)			W29-03(A1)(13.0)			W29-04(A1)(13.5)			W29-05(A1)(11.3)			W29-06(A1)(16.0)		
Sample Date	7/15/91			7/16/91			7/16/91			7/17/91			7/17/91			7/16/91		
Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Aluminum	34100.00	B		21.50	UB		129000.00	B		97300.00	BJ		102000.00	BJ		28700.00	B	
Antimony	32.00	UNJ		32.00	UN		32.00	UN		32.00	UNJ		32.00	UNJ		32.00	UN	
Arsenic	47.20	NSJ*		1.00	UNW	*	14.40	BNW	*	13.40	BNS	J*	30.20	NSJ*		4.30	BNW	*
Barium	907.00			1.00	U		1000.00			1500.00	NJ		1690.00	NNJ		393.00		
Beryllium	1.00	U		1.00	U		4.20	B		3.10	B		2.80	B		1.00	U	
Cadmium	5.00	U		5.00	U		5.00	U		5.00	UN		10.00	N		5.00	U	
Calcium	187000.00	B		69.50	UB		281000.00	B		208000.00	B		260000.00	B		260000.00	B	
Chromium	86.00			4.00	U		445.00			289.00	NJ*		326.00	NJ*		80.60		
Cobalt	25.70	UBJ		5.00	U		117.00	J		84.50			84.60			21.80	UB*	
Copper	74.30	E*		8.90	BE*		325.00	E*		385.00	B		259.00	B		50.20	E*	
Iron	52200.00	B*		27.20	UB*		232000.00	B*		167000.00	J		167000.00	J		40500.00	B	
Lead	31.00			2.00	U		62.40	S		26.40	NS		28.90	NS		177.00	S	
Magnesium	85800.00			22.20	B		167000.00			117000.00			125000.00			83800.00		
Manganese	1590.00			2.00	U		2510.00			2520.00	J		3690.00	J		806.00		
Mercury	0.21			0.20	U		1.80			1.40	*		0.84	*		0.20	U	
Nickel	124.00			7.00	U		645.00			386.00	N		416.00	N		105.00		
Potassium	5460.00			50.00	U		9980.00			11600.00			9520.00			3260.00	B	
Selenium	20.00	UNJ*		20.00	UN*		20.00	UN*		10.00	UEN	R	10.00	UEN	R	20.00	UNW	*
Silver	2.00	UNJ		2.00	UN		5.70	BN		9.60	BN		6.20	BNJ		2.00	UN	
Sodium	47000.00	BER		1190.00	UBER		48300.00	BER		42700.00	BJ		39500.00	B		40500.00	BE	
Thallium	10.00	UN		2.00	UNW		10.00	UN		10.00	UNW	R	10.00	UNW	R	10.00	UN	
Vanadium	97.00			2.00	U		500.00			321.00			335.00			86.70		
Zinc	130.00	BE		6.80	UBE		542.00	BE		382.00	B		375.00	B		91.60	UBE	

Other analytes were analyzed for but were not detected/qualified.

U - Undetected at the concentration reported.

B - Analyte is found in associated blank, as well as in the sample.

E - Reported value is estimated because of the presence of interference.

W - Post digestion spike for Furnace Atomic Absorption analysis is out of control limits (85 - 115%), while sample absorbance is less than 50% of spike absorbance.

N - Spiked sample recovery not within control limits, but acceptable.

S - Determined by Method of Standard Additions.

R - Value is unusable.

* - Duplicate analysis result is out of control limit

J - Value is estimated

Table E-4 (Con't)
ANALYTICAL RESULTS
FOR GROUND WATER SAMPLES, WELL SAMPLES
TOTAL METALS

Site NAS Moffett Field
Lab Mid Pacific
Reviewer G. Farmer
Date 9/24/91

Concentration in ug/l

Sample ID	W29-07(A2)			W29-08(A2)			W29-09(A2)			W29-10(A2)			W56-01(A1)			W56-01(A1)		
Sampling Location	W29-07(A2)(17.0)			W29-08(A2)(19.4)			W29-09(A2)(19.3)			W29-10(A2)(18.7)			W56-01(A1)(24.0)			W56-01(A1)(101)		
Sample Date	7/26/91			7/25/91			7/25/91			7/26/91			7/29/91			7/30/91		
Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Aluminum	7760.00	BENJ		8190.00	BENJ		2350.00	BENJ		6970.00	BENJ		5730.00	BENJ		46.90	UBE	NJ
Antimony	32.00	UNJ		32.00	UNJ		32.00	UNJ		32.00	UNJ		32.00	UNJ		47.00	BNJ	
Arsenic	1.60	BW*		1.80	BW*		1.00	UW*		1.00	UW*		5.50	BW*		1.00	UW*	
Barium	112.00	BE		119.00	BE		77.90	BE		98.10	BE		161.00	BE		1.00	UE	
Beryllium	1.00	U		1.00	U		1.00	U		1.00	U		1.00	U		1.00	U	
Cadmium	5.00	U		5.00	U		5.00	U		5.00	U		5.00	U		5.00	U	
Calcium	92200.00	E		60500.00	E		43000.00	E		44300.00	E		169000.00	E		97.70	BE	
Chromium	12.50			13.60			4.00	U		8.00	B		6.30	B		4.00	U	
Cobalt	8.30	B		7.40	B		6.00	B		7.30	B		5.80	B		5.00	U	
Copper	14.00	UB*		13.80	UB*		6.50	UB*		17.40	UB*		7.80	UB*		9.70	UB*	
Iron	24800.00	BENJ		33900.00	BENJ		10800.00	BENJ		37200.00	BENJ		6360.00	BENJ		15.60	UBE	NJ
Lead	2.10	B		2.00	B		2.10	B		7.20			3.00			2.00	U	
Magnesium	52800.00	E		42700.00	E		17300.00	E		28900.00	E		63100.00	E		31.50	BE	
Manganese	590.00	E		450.00	E		183.00	E		500.00	E		476.00	E		2.00	UE	
Mercury	0.20	U		0.20	U		0.20	U		0.20	U		0.20	U		0.20	U	
Nickel	17.60	B		12.30	B		7.00	U		16.00	B		14.40	B		7.00	U	
Potassium	2980.00	BR		3620.00	BR		25100.00	R		6770.00	R		2530.00	BR		50.00	UR	
Selenium	20.00	UN		20.00	UN		20.00	UN		20.00	UN		20.00	UNW		20.00	UN	
Silver	2.90	UB*		3.10	UB*		3.00	UB*		2.00	UB*		3.10	UB*		2.30	UB*	
Sodium	39500.00	E		41400.00	E		66600.00	E		68600.00	E		44900.00	E		1770.00	BE	
Thallium	2.00	UNW	J	2.00	UNW	J	2.00	UNW	J	2.00	UNW	J	2.00	UNW	J	2.00	UNJ	
Vanadium	26.30	B		57.40			11.90	B		26.70	B		22.30	B		2.00	U	
Zinc	44.40	B		96.30	B		27.70	B		51.50	B		25.60	UB		8.00	UB	

Other analytes were analyzed for but were not detected/qualified.

U - Undetected at the concentration reported.

B - Analyte is found in associated blank, as well as in the sample.

E - Reported value is estimated because of the presence of interference.

W - Post digestion spike for Furnace Atomic Absorption analysis is out of control limits (85 - 115%), while sample absorbance is less than 50% of spike absorbance.

N - Spiked sample recovery not within control limits, but acceptable.

S - Determined by Method of Standard Additions.

R - Value is unusable.

* - Duplicate analysis result is out of control limit.

J - Value is estimated.

Table E-4 (Con't)
ANALYTICAL RESULTS
FOR GROUND WATER SAMPLES, WELL SAMPLES
TOTAL METALS

Site NAS Moffett Field
Lab Mid Pacific
Reviewer G. Farmer
Date 9/24/91

Concentration in ug/l

Sample ID	W56-02(A1)			W56-02(A1)			W61-01(A1)			W61-01(A1)			W67-01(A1)			W68-01(A1)		
Sampling Location	W56-02(A1)(16.0)			W56-02(A1)(18.0)			W61-01(A1)(00.0)			W61-01(A1)(13.1)			W61-01(A1)(10.8)			W68-01(A1)(16.2)		
Sample Date	7/15/91			7/15/91			7/23/91			7/23/91			7/23/91			7/23/91		
Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Aluminum	21900.00	B		20000.00	B		22.80	UBJ		15800.00	B		25300.00			14400.00		
Antimony	32.00	UNJ		32.00	UNJ		32.00	UNJ		32.00	UN		5.00	U		5.00	U	
Arsenic	3.60	BNW	J*	3.10	BNW	J*	1.00	UNJ*		4.40	BNW	*	10.00	W		9.30		
Barium	482.00			428.00			1.00	UNJ		198.00	BN		203.00			165.00		
Beryllium	1.00	U		1.00	U		1.00	U		1.00	U		2.00	U		2.00	U	
Cadmium	5.00	U		5.00	U		5.00	UN*		5.00	UN*		5.00	U		5.00	U	
Calcium	175000.00	B		172000.00	B		65.90	UB		168000.00	B		246000.00	B		150000.00	B	
Chromium	70.60			67.10			4.00	UNJ		36.20	N		59.00			36.00		
Cobalt	16.90	UBJ		17.40	UBJ		5.00	U		10.90	B		33.00	UB		14.00	UB	
Copper	37.50	E*		36.90	E*		22.40	UB		43.70	UB		110.00			72.00		
Iron	32800.00	B*		29900.00	B*		16.40	B		20300.00			33400.00	B		19400.00	B	
Lead	6.40	W		6.60	W		2.00	UNJ		5.30	NW		3.00	W		3.20	W	
Magnesium	69600.00			67300.00			22.00	U		63300.00			88400.00			55000.00		
Manganese	1210.00			1100.00			2.00	U		328.00			782.00	B		689.00	B	
Mercury	0.20	U		0.20	U		0.20	U*		0.23	*		0.20	U		0.20	U	
Nickel	77.20			72.00			7.00	UN		50.30	N		111.00	B		49.00	UB	
Potassium	4160.00	B		4100.00	B		50.00	B		4060.00	B		5110.00			4190.00	B	
Selenium	20.00	UNW		20.00	UN		10.00	UEN	R	10.00	UEN		5.00	U		5.00		
Silver	2.00	UN*		2.00	UN*		2.00	UN		3.20	BN		5.00	U		5.00	U	
Sodium	39900.00	BEJR		38900.00	BEJR		1490.00	UB		35600.00	B		36800.00			24600.00		
Thallium	10.00	UN		10.00	UN		2.00	UNW	R	10.00	UNW		5.00	E		5.00	E	
Vanadium	75.60			68.90			2.00	U		47.50	B		95.00	UB		52.00	UB	
Zinc	101.00	BE		91.90	BE		3.90	UB		86.60	B		168.00	UB		110.00	UB	

Other analytes were analyzed for but were not detected/qualified.

U - Undetected at the concentration reported.

B - Analyte is found in associated blank, as well as in the sample.

E - Reported value is estimated because of the presence of interference.

W - Post digestion spike for Furnace Atomic Absorption analysis is out of control limits (85 - 115%), while sample absorbance is less than 50% of spike absorbance.

N - Spiked sample recovery not within control limits, but acceptable.

S - Determined by Method of Standard Additions.

R - Value is unusable.

* - Duplicate analysis result is out of control limit.

J - Value is estimated.

Table E-4 (Con't)
ANALYTICAL RESULTS
FOR GROUND WATER SAMPLES, WELL SAMPLES
TOTAL METALS

Site NAS Moffett Field
Lab Mid Pacific
Reviewer G. Farmer
Date 9/24/91

Concentration in ug/l

Sample ID	ERM-4			FP9-1 (A1)			FP9-1 (A1)											
Sampling Location	ERM-4(13.0)			FP9-1 (A1) (13.7)			FP9-1 (A1) (99.9)											
Sample Date	7/19/91			7/23/91			7/23/91											
Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Aluminum	7050.00	BJ		36.20	UBJ		61.50	UBJ										
Antimony	32.00	UNJ		32.00	UNJ		32.00	UNJ										
Arsenic	3.90	BNW	J*	30.00	NSJ*		29.00	NSJ*										
Barium	118.00	BNJ		224.00	NJ		230.00	NJ										
Beryllium	1.00	U		1.00	U		1.00	U										
Cadmium	5.00	UN*		5.00	UN*		5.00	UN*										
Calcium	200000.00	B		130000.00	B		131000.00	B										
Chromium	11.50	NJ		4.00	UNJ		4.00	UNJ										
Cobalt	5.00	U		5.00	U		5.00	U										
Copper	32.90	UB		16.10	UB		16.20	UB										
Iron	11100.00	J		1320.00	J		1440.00	J										
Lead	2.50	BNW		4.50	N		3.90	N										
Magnesium	67800.00			51300.00			51500.00											
Manganese	639.00	J		742.00	J		749.00	J										
Mercury	0.20	U*		0.20	U*		0.20	U*										
Nickel	15.80	BN		7.00	UN		7.00	UN										
Potassium	2340.00	B		1030.00	B		1080.00	B										
Selenium	10.00	UNW	R	10.00	UEN	R	10.00	UNW	R									
Silver	2.20	BNJ		2.00	UN		2.00	UN										
Sodium	38800.00	BJ		43300.00	B		43500.00	B										
Thallium	10.00	UNW	R	2.00	UNW	R	2.00	UNW	R									
Vanadium	19.60	B		2.00	U		2.00	U										
Zinc	24.60	UB		9.30	UB		5.50	UB										

Other analytes were analyzed for but were not detected/qualified.

U - Undetected at the concentration reported.

B - Analyte is found in associated blank, as well as in the sample.

E - Reported value is estimated because of the presence of interference.

W - Post digestion spike for Furnace Atomic Absorption analysis is out of control limits (85 - 115%), while sample absorbance is less than 50% of spike absorbance.

N - Spiked sample recovery not within control limits, but acceptable.

S - Determined by Method of Standard Additions.

R - Value is unusable.

* - Duplicate analysis result is out of control limit.

J - Value is estimated.

Table E-5
ANALYTICAL RESULTS
FOR GROUND WATER SAMPLES, WELL SAMPLES
FILTERED METALS

Site NAS Moffett Field
Lab Mid Pacific
Reviewer G. Farmer
Date 9/24/91

Concentration in ug/l

Sample ID	W9-46(A1)			W29-02(A1)			W56-02(A1)			W56-02(A1)			W61-1(A1)			FP9-01(A1)		
Sampling Location	W9-46(A1)(17.0)			W29-02(A1)(12.0)			W56-02(A1)(16.0)			W56-02(A1)(18.0)			W61-1(A1)(13.0)			FP9-01(A1)(13.7)		
Sample Date	7/31/91			7/15/91			7/15/91			7/15/91			7/31/91			7/23/91		
Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Aluminum	39.40	BEN		18.50	B		24.60	UB		23.70	UB		60.40	UBJ		52.80	UBJ	
Antimony	32.00	UN		32.00	UN		32.00	UNJ		32.00	UNJ		32.00	UNJ		32.00	UNJ	
Arsenic	1.00	U		25.30	NS*		1.00	UNW	J*	1.90	BNW	J*	1.70	BNW	J*	27.60	NSJ*	
Barium	29.90	BE		556.00			54.50	B		54.50	B		70.80	BNJ		201.00	NJ	
Beryllium	1.00	U		1.00	U		1.00	U		1.00	U		1.00	U		1.00	U	
Cadmium	5.00	U		5.00	U		5.00	U		5.00	U		5.00	UN*		5.00	UN*	
Calcium	193000.00	E		157000.00			153000.00	B		161000.00	B		155000.00			130000.00		
Chromium	4.00	U		4.00	U		4.00	U		4.00	U		4.00	UNJ		4.00	UNJ	
Cobalt	5.00	U		5.00	U		5.00	U		5.00	U		5.00	U		5.00	U	
Copper	5.10	B		4.00	UE*		5.00	BE*		9.30	BE*		26.10	UB		17.70	UB	
Iron	38.30	BEN		25.30	B*		8.00	U*		27.90	UB*		32.20	BJ		101.00	J	
Lead	2.00	U		4.40			2.00	U		2.00	UW		2.00	UN		4.50	N	
Magnesium	64500.00	E		66200.00			56200.00			58600.00			53700.00			51200.00		
Manganese	127.00	E		952.00			239.00			211.00			11.20	BJ		733.00	J	
Mercury	0.20	U		0.20	UW		0.20	U		0.20	U		0.20	U*		0.20	U*	
Nickel	7.00	U		7.00	U		7.00	U		7.00	U		7.00	UN		7.00	UN	
Potassium	2030.00	B		1400.00	BW		1760.00	B		1760.00	B		1700.00	B		1020.00	B	
Selenium	2.00	UNW		20.00	UNW	*	20.00	UNW	*	8.10	NSJ*		43.80	J		10.00	UEN	R
Silver	2.00	U		2.00	UN		2.00	UNJ		2.00	UNJ		2.30	BNJ		2.00	UN	
Sodium	38500.00	E		47200.00	E		40500.00	BE		42900.00	EB		34900.00	B		43700.00	B	
Thallium	2.00	UNW		2.00	UNW		2.00	UN		10.00	UNW		10.00	UNW	R	2.00	UNW	R
Vanadium	3.60	B		2.00	U		2.00	U		2.00	U		4.00	B		2.00	U	
Zinc	7.80	B		6.40	BE		6.00	UBE		5.40	UBE		13.90	UB		8.50	UB	

Other analytes were analyzed for but were not detected/qualified.

U - Undetected at the concentration reported.

B - Analyte is found in associated blank, as well as in the sample.

E - Reported value is estimated because of the presence of interference.

W - Post digestion spike for Furnace Atomic Absorption analysis is out of control limits (85 - 115%), while sample absorbance is less than 50% of spike absorbance.

N - Spiked sample recovery not within control limits, but acceptable.

S - Determined by Method of Standard Additions.

R - Value is unusable.

* - Duplicate analysis is out of control limit.

J - Value is estimated.

Table E-5 (Con't)
ANALYTICAL RESULTS
FOR GROUND WATER SAMPLES, WELL SAMPLES
FILTERED METALS

Site NAS Moffett Field
Lab Mid Pacific
Reviewer G. Farmer
Date 9/24/91

Concentration in ug/l

Sample ID	FP9-01 (A1)																	
Sampling Location	FP9-01 (A1) (99.9)																	
Sample Date	7/23/91																	
Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Aluminum	38.60	UBJ																
Antimony	32.00	UNJ																
Arsenic	28.70	NSJ*																
Barium	190.00	BNJ																
Beryllium	1.00	U																
Cadmium	5.00	UN*																
Calcium	128000.00																	
Chromium	4.00	UN																
Cobalt	5.00	U																
Copper	14.00	UB																
Iron	45.20	BJ																
Lead	3.00	N																
Magnesium	50100.00																	
Manganese	709.00	J																
Mercury	0.20	U*																
Nickel	7.00	UN																
Potassium	1040.00	B																
Selenium	10.00	UEN	R															
Silver	2.00	UN																
Sodium	42700.00	B																
Thallium	2.00	UNW	R															
Vanadium	2.00	U																
Zinc	5.70	UB																

Other analytes were analyzed for but were not detected/qualified.

U - Undetected at the concentration reported.

B - Analyte is found in associated blank, as well as in the sample.

E - Reported value is estimated because of the presence of interference.

W - Post digestion spike for Furnace Atomic Absorption analysis is out of control limits (85 - 115%), while sample absorbance is less than 50% of spike absorbance.

N - Spiked sample recovery not within control limits, but acceptable.

S - Determined by Method of Standard Additions.

R - Value is unusable.

* - Duplicate analysis is out of control limit.

J - Value is estimated.

Table E-6
ANALYTICAL RESULTS
FOR GROUND WATER SAMPLES
IT 2nd QUARTER 1991

Concentration in ug/l

Sample ID	W9-1(A1)			W9-2(A1)			W9-6(A1)			W9-7(A1)			W9-8(A2)			W9-9(A2)		
Sampling Location	W9-1(A1)			W9-2(A1)			W9-6(A1)			W9-7(A1)			W9-8(A2)			W9-9(A2)		
Sample Date	05/02/91			05/02/91			04/23/91			04/22/91			05/10/91			05/16/91		
Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
1,1 DCA										49.00	DJ		46.00	J		33.00	J	
1,2 DCA							4.00	J										
1,1 DCE	18.00	J		2.00	J					84.00	DJ		100.00	J		49.00	J	
1,2 DCE	62.00			9.00						79.00	DJ		78.00	J		63.00		
1,1,1 TCA										33.00	DJ					22.00	J	
TCE	840.00			110.00						3600.00	D		3100.00			2200.00		
PCE																		
Vinyl Chloride																		
JP5																		

Other analytes were analyzed for but were not detected/qualified.
J - Estimated value
D - Diluted sample

Table E-6 (Con't)
ANALYTICAL RESULTS
FOR GROUND WATER SAMPLES
IT 2nd QUARTER 1991

Concentration in ug/l

Sample ID	W9-10(A1)			W9-13(A2)			W9-14(A2)			W9-16(A1)			W9-17(A2)			W9-18(A1)		
Sampling Location	W9-10(A1)			W9-13(A2)			W9-14(A2)			W9-16(A1)			W9-17(A2)			W9-18(A1)		
Sample Date	05/16/91			04/19/91			04/19/91			05/09/91			05/03/91			05/14/91		
Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
1,1 DCA	47.00	J		39.00	DJ		65.00			14.00			73.00	J				
1,2 DCA																		
1,1 DCE	110.00			69.00	DJ		360.00	E		8.00	J		180.00	J		200.00	J	
1,2 DCE	790.00			62.00	DJ		480.00	DJ		16.00			720.00			1700.00		
1,1,1 TCA	15.00	J		38.00	DJ		79.00			2.00	J		9200.00					
TCE	1600.00			2400.00	BD		27000.00	BD		180.00						12000.00		
PCE	200.00						55.00									240.00	J	
Vinyl Chloride																		
JP5																		

Other analytes were analyzed for but were not detected/qualified.

J - Estimated value

D - Diluted sample

B - Estimated value, detected in blank

E - Estimated value, concentration exceeds GC/MS calibration range

Table E-6 (Con't)
ANALYTICAL RESULTS
FOR GROUND WATER SAMPLES
IT 2nd QUARTER 1991

Concentration in ug/l

Sample ID	W9-19(A1)			W9-20(A2)			W9-21(A2)			W9-22(A2)			W9-23(A1)			W9-24(A1)			W9-25(A2)		
Sampling Location	W9-19(A1)			W9-20(A2)			W9-21(A2)			W9-22(A2)			W9-23(A1)			W9-24(A1)			W9-25(A2)		
Sample Date	05/09/91			05/13/91			05/17/91			05/14/91			05/14/91			05/15/91			05/15/91		
Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
1,1 DCA	30.00						30.00	J		26.00	J		32.00	J		16.00			33.00	J	
1,2 DCA																					
1,1 DCE	20.00	J		260.00	J		130.00			55.00	J		34.00	J		6.00	J		56.00		
1,2 DCE	60.00			420.00	J		120.00	J		160.00			85.00			400.00			29.00	J	
1,1,1 TCA							30.00	J											31.00	J	
TCE	700.00			18000.00			4400.00			3300.00			1200.00						1800.00		
PCE				480.00	J		310.00														
Vinyl Chloride																13.00	J				
JP5																					

Other analytes were analyzed for but were not detected/qualified.

J - Estimated value

Table E-6 (Con't)
ANALYTICAL RESULTS
FOR GROUND WATER SAMPLES
IT 2nd QUARTER 1991

Concentration in ug/l

Sample ID	W9-26(A1)			W9-27(A2)			W9-28(A2)			W9-29(A1)			W9-30(A1)			W9-31(A1)		
Sampling Location	W9-26(A1)			W9-27(A2)			W9-28(A2)			W9-29(A1)			W9-30(A1)			W9-31(A1)		
Sample Date	05/17/91			04/23/91			05/14/91			05/03/91			05/16/91			05/14/91		
Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
1,1 DCA	12.00	J		8.00						30.00	J		82.00			50.00	J	
1,2 DCA																		
1,1 DCE	24.00	J		15.00			220.00	J		44.00	J		75.00			140.00		
1,2 DCE	1300.00			130.00			370.00	J		580.00			1200.00			1000.00		
1,1,1 TCA				5.00														
TCE	13.00	J		39.00			19000.00			1700.00			420.00			3100.00		
PCE							390.00	J										
Vinyl Chloride																		
JP5																		
Benzene	12.00	J											21.00	J				

Other analytes were analyzed for but were not detected/qualified.
J - Estimated value

Table E-6 (Con't)
ANALYTICAL RESULTS
FOR GROUND WATER SAMPLES
IT 2nd QUARTER 1991

Concentration in ug/l

Sample ID	W9-33(A2)			W9-34(A2)			W9-35(A1)			W9-36(A2)			W9-37(A1)			W9-38(A1)		
Sampling Location	W9-33(A2)			W9-34(A2)			W9-35(A1)			W9-36(A2)			W9-37(A1)			W9-38(A1)		
Sample Date	05/14/91			05/15/91			05/13/91			05/13/91			05/13/91			05/09/91		
Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
1,1 DCA	56.00	J		33.00	J		53.00	J		66.00	J		62.00	J		71.00	J	
1,2 DCA																		
1,1 DCE	200.00	J		85.00	J		110.00	J		140.00			100.00	J		74.00	J	
1,2 DCE	410.00			63.00	J		430.00			690.00			490.00			460.00		
1,1,1 TCA				29.00	J		36.00	J		34.00	J		41.00	J		52.00	J	
TCE	7500.00			2800.00			4800.00			4300.00			3700.00			4700.00		
PCE							120.00	J										
Vinyl Chloride																		
JP5																		

Other analytes were analyzed for but were not detected/qualified.

J - Estimated value

Table E-6 (Con't)
ANALYTICAL RESULTS
FOR GROUND WATER SAMPLES
IT 2nd QUARTER 1991

Concentration in ug/l

Sample ID	W9-41(A2)			W9-42(A2)			W9-43(A2)											
Sampling Location	W9-41(A2)			W9-42(A2)			W9-43(A2)											
Sample Date	05/09/91			05/03/91			05/14/91											
Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
1,1 DCA				36.00	J													
1,2 DCA																		
1,1 DCE	170.00	J		51.00														
1,2 DCE	880.00			630.00														
1,1,1 TCA				12.00	J													
TCE	13000.00			1400.00														
PCE				16.00	J													
Vinyl Chloride																		
JP5																		

Other analytes were analyzed for but were not detected/qualified.

J - Estimated value

Table E-7
ANALYTICAL RESULTS
FOR GROUND WATER SAMPLES
MEW WELLS

Concentration in ug/l

Sample ID	MEW-46(A2)			MEW-79(A2)			MEW-81(A1)			MEW-89(A1)								
Sampling Location	MEW-46(A2)			MEW-79(A2)			MEW-81(A1)			MEW-89(A1)								
Sample Date	05/29/91			05/23/91			05/28/91			05/29/91								
Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
1,1 DCA				2.00	J		48.00			30.00	J							
1,1 DCE	120.00	J					27.00			23.00	J							
1,2 DCE	270.00			2.00	J		300.00			31.00	J							
1,1,1 TCA				2.00	J					10.00	J							
TCE	5000.00			9.00			400.00			1000.00								
PCE																		
Vinyl Chloride																		

Other analytes were analyzed for but were not detected/qualified.

J - Estimated value

Table E-8
ANALYTICAL RESULTS
FOR GROUND WATER SAMPLES
NASA WELLS

Concentration in ug/l

Sample ID	M7			M8			M9			D05A			C06A					
Sampling Location	M7			M8			M9			D05A			C06A					
Sample Date																		
Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
1,1 DCA	16.00			0.80			17.00			46.30			17.20					
1,1 DCE	9.20						7.80			34.40			8.90					
1,2 DCE	4.10			0.60			1.20			45.10			1270.00					
1,1,1 TCA																		
TCE	1.20			16.00			9.90			463.00			5.50					
PCE				18.00			16.00											
Vinyl Chloride	78.00						26.00											
JP5	ND												4800.00					
Benzene & Ethylbenzene										20.00								

Other analytes were analyzed for but were not detected/qualified.

J - Estimated value

APPENDIX F

AQUIFER TEST DATA

STEP-DRAWDOWN TEST 1

DATA

 Terra8 Data File --> D:\TEM\SITE9\STEP1

STEP TEST 1

Date	Time	Analog#01 10psi/W61-1 ft.....
1991/07/09	14:29:52.10	7.0960E+00
1991/07/09	14:29:53.40	7.0975E+00
1991/07/09	14:29:54.40	7.0960E+00
1991/07/09	14:29:55.40	7.0975E+00
1991/07/09	14:29:56.40	7.0946E+00
1991/07/09	14:29:57.40	7.0960E+00
1991/07/09	14:29:58.40	7.0946E+00
1991/07/09	14:29:59.40	7.0946E+00
1991/07/09	14:30:00.80	7.0946E+00
1991/07/09	14:30:01.30	7.0946E+00
1991/07/09	14:30:02.40	7.0931E+00
1991/07/09	14:30:03.40	7.0931E+00
1991/07/09	14:30:04.40	7.0931E+00
1991/07/09	14:30:05.40	7.0931E+00
1991/07/09	14:30:06.40	7.0931E+00
1991/07/09	14:30:07.40	7.0931E+00
1991/07/09	14:30:08.80	7.0931E+00
1991/07/09	14:30:09.60	7.0931E+00
1991/07/09	14:30:10.40	7.0931E+00
1991/07/09	14:30:11.40	7.0931E+00
1991/07/09	14:30:12.40	7.0931E+00
1991/07/09	14:30:13.40	7.0931E+00
1991/07/09	14:30:14.40	7.0931E+00
1991/07/09	14:30:15.40	7.0931E+00
1991/07/09	14:30:16.40	7.0931E+00
1991/07/09	14:30:17.80	7.0931E+00
1991/07/09	14:30:18.30	7.0931E+00
1991/07/09	14:30:19.40	7.0931E+00
1991/07/09	14:30:20.40	7.0931E+00
1991/07/09	14:30:21.40	7.0931E+00
1991/07/09	14:30:22.40	7.0931E+00
1991/07/09	14:30:24.40	7.0946E+00
1991/07/09	14:30:26.40	7.0946E+00
1991/07/09	14:30:28.40	7.0946E+00
1991/07/09	14:30:30.40	7.0917E+00
1991/07/09	14:30:32.40	7.0917E+00
1991/07/09	14:30:34.40	7.0931E+00
1991/07/09	14:30:36.40	7.0917E+00
1991/07/09	14:30:40.80	7.0903E+00
1991/07/09	14:30:41.10	7.0903E+00
1991/07/09	14:30:42.40	7.0903E+00
1991/07/09	14:30:44.40	7.0917E+00
1991/07/09	14:30:46.40	7.0917E+00
1991/07/09	14:30:48.40	7.0931E+00
1991/07/09	14:30:50.40	7.0931E+00
1991/07/09	14:30:52.40	7.0931E+00
1991/07/09	14:30:57.40	7.0931E+00
1991/07/09	14:31:02.40	7.0946E+00
1991/07/09	14:31:07.40	7.0931E+00
1991/07/09	14:31:12.40	7.0931E+00
1991/07/09	14:31:17.40	7.0960E+00
1991/07/09	14:31:22.40	7.0960E+00
1991/07/09	14:31:27.40	7.0960E+00

 Terra8 Data File --> D:\TEM\SITE9\STEP1

Date	Time	Analog#01 10psi/W61-1 ft.....
1991/07/09	14:31:32.40	7.0931E+00
1991/07/09	14:31:37.40	7.0917E+00
1991/07/09	14:31:42.40	7.0917E+00
1991/07/09	14:31:47.40	7.0931E+00
1991/07/09	14:31:52.40	7.0946E+00
1991/07/09	14:31:57.40	7.0931E+00
1991/07/09	14:32:02.40	7.0946E+00
1991/07/09	14:32:07.40	7.0931E+00
1991/07/09	14:32:12.40	7.0917E+00
1991/07/09	14:32:17.40	7.0946E+00
1991/07/09	14:32:22.40	7.0960E+00
1991/07/09	14:32:27.40	7.0960E+00
1991/07/09	14:32:32.40	7.0946E+00
1991/07/09	14:32:37.40	7.0946E+00
1991/07/09	14:32:42.40	7.0960E+00
1991/07/09	14:32:47.40	7.0960E+00
1991/07/09	14:32:52.40	7.0960E+00
1991/07/09	14:32:57.40	7.0931E+00
1991/07/09	14:33:02.40	7.0931E+00
1991/07/09	14:33:07.40	7.0946E+00
1991/07/09	14:33:12.40	7.0960E+00
1991/07/09	14:34:58.10	7.0931E+00
1991/07/09	14:34:59.30	7.0931E+00
1991/07/09	14:35:01.20	7.0931E+00
1991/07/09	14:35:02.50	7.0917E+00
1991/07/09	14:35:04.40	7.0917E+00
1991/07/09	14:35:05.60	6.9156E+00
1991/07/09	14:35:07.50	6.6514E+00
1991/07/09	14:35:09.40	6.5185E+00
1991/07/09	14:35:10.60	6.4824E+00
1991/07/09	14:35:12.60	6.4146E+00
1991/07/09	14:35:13.80	6.3669E+00
1991/07/09	14:35:15.70	6.3178E+00
1991/07/09	14:35:17.60	6.2818E+00
1991/07/09	14:35:18.90	6.2485E+00
1991/07/09	14:35:20.80	6.2052E+00
1991/07/09	14:35:22.00	6.1778E+00
1991/07/09	14:35:23.90	6.1489E+00
1991/07/09	14:35:25.20	6.1316E+00
1991/07/09	14:35:27.10	6.0941E+00
1991/07/09	14:35:29.00	6.0609E+00
1991/07/09	14:35:30.30	6.0392E+00
1991/07/09	14:35:52.40	5.8255E+00
1991/07/09	14:36:22.40	6.1186E+00
1991/07/09	14:36:52.40	6.4622E+00
1991/07/09	14:37:22.40	6.5734E+00
1991/07/09	14:37:52.40	6.6485E+00
1991/07/09	14:38:22.40	6.6773E+00
1991/07/09	14:38:52.40	6.7019E+00
1991/07/09	14:39:22.40	6.7120E+00
1991/07/09	14:39:52.40	6.6600E+00
1991/07/09	14:40:22.40	6.5994E+00
1991/07/09	14:40:52.40	6.6138E+00
1991/07/09	14:41:22.40	6.6037E+00

Step 1 4.5 gpm

Date	Time	Analog#01 10psi/W61-1 ft.....
1991/07/09	14:41:52.40	6.6066E+00
1991/07/09	14:42:22.40	6.6037E+00
1991/07/09	14:42:52.40	6.5979E+00
1991/07/09	14:43:22.40	6.6008E+00
1991/07/09	14:43:52.40	6.5979E+00
1991/07/09	14:44:22.40	6.6080E+00
1991/07/09	14:44:52.40	6.5922E+00
1991/07/09	14:45:22.40	6.5936E+00
1991/07/09	14:45:52.40	6.6095E+00
1991/07/09	14:46:22.40	6.6066E+00
1991/07/09	14:46:52.40	6.6037E+00
1991/07/09	14:47:22.40	6.5979E+00
1991/07/09	14:47:52.40	6.6037E+00
1991/07/09	14:48:22.40	6.5965E+00
1991/07/09	14:48:52.40	6.6095E+00
1991/07/09	14:49:22.40	6.6052E+00
1991/07/09	14:49:52.40	6.6023E+00
1991/07/09	14:51:52.40	6.6052E+00
1991/07/09	14:53:52.40	6.6037E+00
1991/07/09	14:55:52.40	6.5994E+00
1991/07/09	14:57:52.40	6.5878E+00
1991/07/09	14:59:52.40	6.6080E+00
1991/07/09	15:01:52.40	6.5849E+00
1/07/09	15:03:52.40	6.5979E+00
1991/07/09	15:05:52.40	6.5792E+00
1991/07/09	15:07:52.40	6.5936E+00
1991/07/09	15:09:52.40	6.5950E+00
1991/07/09	15:11:52.40	6.5907E+00
1991/07/09	15:13:52.40	6.5965E+00
1991/07/09	15:15:52.40	6.5979E+00
1991/07/09	15:17:52.40	6.5893E+00
1991/07/09	15:19:52.40	6.5748E+00
1991/07/09	15:21:52.40	6.5748E+00
1991/07/09	15:23:52.40	6.5792E+00
1991/07/09	15:25:52.40	6.5835E+00
1991/07/09	15:27:52.40	6.5806E+00
1991/07/09	15:29:52.40	6.5835E+00
1991/07/09	15:31:52.40	6.5763E+00
1991/07/09	15:33:52.40	6.5691E+00
1991/07/09	15:35:43.60	6.1648E+00
1991/07/09	15:35:44.40	6.1749E+00
1991/07/09	15:35:45.40	6.1576E+00
1991/07/09	15:35:46.40	6.1619E+00
1991/07/09	15:35:47.80	6.1518E+00
1991/07/09	15:35:48.30	6.1590E+00
1991/07/09	15:35:49.40	6.1489E+00
1991/07/09	15:35:50.40	6.1561E+00
1991/07/09	15:35:51.40	6.1547E+00
1991/07/09	15:35:52.40	6.1504E+00
1/07/09	15:35:53.40	6.1403E+00
1991/07/09	15:35:54.40	6.1446E+00
1991/07/09	15:35:55.80	6.1634E+00
1991/07/09	15:35:56.30	6.1504E+00
1991/07/09	15:35:57.40	6.1547E+00

Step 2 7.0 gpm

Date	Time	Analog#01 10psi/W61-1 ft.....
1991/07/09	15:35:58.40	6.1518E+00
1991/07/09	15:35:59.40	6.1417E+00
1991/07/09	15:36:00.40	6.1432E+00
1991/07/09	15:36:01.40	6.1460E+00
1991/07/09	15:36:02.40	6.1446E+00
1991/07/09	15:36:03.40	6.1460E+00
1991/07/09	15:36:04.80	6.1316E+00
1991/07/09	15:36:05.30	6.1374E+00
1991/07/09	15:36:06.40	6.1345E+00
1991/07/09	15:36:07.40	6.1489E+00
1991/07/09	15:36:08.40	6.1504E+00
1991/07/09	15:36:09.40	6.1316E+00
1991/07/09	15:36:10.40	6.1417E+00
1991/07/09	15:36:11.40	6.1403E+00
1991/07/09	15:36:12.80	6.1417E+00
1991/07/09	15:36:13.30	6.1359E+00
1991/07/09	15:36:15.40	6.1273E+00
1991/07/09	15:36:30.60	6.1403E+00
1991/07/09	15:36:31.40	6.1273E+00
1991/07/09	15:36:32.40	6.1388E+00
1991/07/09	15:36:33.40	6.1316E+00
1991/07/09	15:36:34.40	6.1258E+00
1991/07/09	15:36:35.40	6.1345E+00
1991/07/09	15:36:36.80	6.1201E+00
1991/07/09	15:36:37.30	6.1359E+00
1991/07/09	15:36:38.40	6.1244E+00
1991/07/09	15:36:39.40	6.1273E+00
1991/07/09	15:36:40.40	6.1287E+00
1991/07/09	15:36:41.40	6.1258E+00
1991/07/09	15:36:42.40	6.1229E+00
1991/07/09	15:36:43.40	6.1287E+00
1991/07/09	15:36:44.80	6.1345E+00
1991/07/09	15:36:45.30	6.1273E+00
1991/07/09	15:36:46.40	6.1417E+00
1991/07/09	15:36:47.40	6.1302E+00
1991/07/09	15:37:12.80	6.1287E+00
1991/07/09	15:37:14.40	6.1330E+00
1991/07/09	15:37:15.40	6.1302E+00
1991/07/09	15:37:16.40	6.1258E+00
1991/07/09	15:37:17.40	6.1258E+00
1991/07/09	15:37:18.80	6.1359E+00
1991/07/09	15:37:19.30	6.1201E+00
1991/07/09	15:37:20.40	6.1287E+00
1991/07/09	15:37:21.40	6.1345E+00
1991/07/09	15:37:22.40	6.1359E+00
1991/07/09	15:37:23.40	6.1302E+00
1991/07/09	15:37:24.40	6.1172E+00
1991/07/09	15:37:25.40	6.1330E+00
1991/07/09	15:37:26.80	6.1172E+00
1991/07/09	15:37:27.30	6.1345E+00
1991/07/09	15:37:28.40	6.1258E+00
1991/07/09	15:37:29.40	6.1374E+00
1991/07/09	15:37:30.40	6.1316E+00
1991/07/09	15:37:31.40	6.1302E+00

Date	Time	Analog#01 10psi/W61-1 ft.....
1991/07/09	15:37:32.40	6.1330E+00
1991/07/09	15:37:33.40	6.1258E+00
1991/07/09	15:37:34.40	6.1273E+00
1991/07/09	15:37:35.80	6.1215E+00
1991/07/09	15:37:36.30	6.1229E+00
1991/07/09	15:37:37.40	6.1258E+00
1991/07/09	15:37:38.40	6.1128E+00
1991/07/09	15:37:39.40	6.1244E+00
1991/07/09	15:37:40.40	6.1273E+00
1991/07/09	15:37:41.40	6.1273E+00
1991/07/09	15:37:42.40	6.1186E+00
1991/07/09	15:37:43.80	6.1287E+00
1991/07/09	15:37:45.40	6.1244E+00
1991/07/09	15:37:47.40	6.1273E+00
1991/07/09	15:37:49.40	6.1345E+00
1991/07/09	15:37:51.40	6.1258E+00
1991/07/09	15:37:53.40	6.1186E+00
1991/07/09	15:37:55.40	6.1244E+00
1991/07/09	15:37:57.40	6.1374E+00
1991/07/09	15:37:59.40	6.1302E+00
1991/07/09	15:38:01.40	6.1345E+00
1991/07/09	15:38:03.40	6.1316E+00
1991/07/09	15:38:05.40	6.1345E+00
1991/07/09	15:38:07.40	6.1460E+00
1991/07/09	15:38:09.40	6.2052E+00
1991/07/09	15:38:21.50	6.4839E+00
1991/07/09	15:38:23.50	6.4954E+00
1991/07/09	15:38:24.80	6.5128E+00
1991/07/09	15:38:26.70	6.5272E+00
1991/07/09	15:38:29.30	6.5301E+00
1991/07/09	15:38:33.40	6.5575E+00
1991/07/09	15:38:38.40	6.5676E+00
1991/07/09	15:38:43.40	6.5864E+00
1991/07/09	15:38:48.40	6.5821E+00
1991/07/09	15:38:53.40	6.6066E+00
1991/07/09	15:38:58.40	6.5950E+00
1991/07/09	15:39:03.40	6.5719E+00
1991/07/09	15:39:08.40	6.5590E+00
1991/07/09	15:39:13.40	6.5488E+00
1991/07/09	15:39:18.40	6.5546E+00
1991/07/09	15:39:23.40	6.5359E+00
1991/07/09	15:39:28.40	6.5445E+00
1991/07/09	15:39:33.40	6.5561E+00
1991/07/09	15:39:38.40	6.5402E+00
1991/07/09	15:39:43.40	6.5402E+00
1991/07/09	15:39:48.40	6.5416E+00
1991/07/09	15:39:53.40	6.5431E+00
1991/07/09	15:39:58.40	6.5561E+00
1991/07/09	15:40:03.40	6.4723E+00
1991/07/09	15:40:08.40	6.3626E+00
1991/07/09	15:40:13.40	6.3150E+00
1991/07/09	15:40:18.40	6.2789E+00
1991/07/09	15:40:23.40	6.2644E+00
1991/07/09	15:40:28.40	6.2298E+00

Date	Time	Analog#01 10psi/W61-1 ft.....
1991/07/09	15:40:33.40	6.2327E+00
1991/07/09	15:40:38.40	6.2240E+00
1991/07/09	15:40:43.40	6.2226E+00
1991/07/09	15:40:48.40	6.2096E+00
1991/07/09	15:40:53.40	6.2096E+00
1991/07/09	15:40:58.40	6.1995E+00
1991/07/09	15:41:03.40	6.2096E+00
1991/07/09	15:41:08.40	6.2110E+00
1991/07/09	15:41:13.40	6.1951E+00
1991/07/09	15:41:18.40	6.1908E+00
1991/07/09	15:41:23.40	6.1937E+00
1991/07/09	15:41:28.40	6.1922E+00
1991/07/09	15:41:33.40	6.1980E+00
1991/07/09	15:41:38.40	6.1922E+00
1991/07/09	15:41:43.40	6.1980E+00
1991/07/09	15:41:48.40	6.1995E+00
1991/07/09	15:41:53.40	6.2081E+00
1991/07/09	15:41:58.40	6.2096E+00
1991/07/09	15:42:03.40	6.2038E+00
1991/07/09	15:42:08.40	6.2023E+00
1991/07/09	15:42:13.40	6.1951E+00
1991/07/09	15:42:43.40	6.1894E+00
1991/07/09	15:43:13.40	6.1865E+00
1991/07/09	15:43:43.40	6.1995E+00
1991/07/09	15:44:13.40	6.1894E+00
1991/07/09	15:44:43.40	6.1821E+00
1991/07/09	15:45:13.40	6.1821E+00
1991/07/09	15:45:43.40	6.1764E+00
1991/07/09	15:46:13.40	6.1677E+00
1991/07/09	15:46:43.40	6.1720E+00
1991/07/09	15:47:13.40	6.1735E+00
1991/07/09	15:47:43.40	6.1764E+00
1991/07/09	15:48:13.40	6.1792E+00
1991/07/09	15:48:43.40	6.1720E+00
1991/07/09	15:49:13.40	6.1879E+00
1991/07/09	15:49:43.40	6.1850E+00
1991/07/09	15:50:13.40	6.1850E+00
1991/07/09	15:50:43.40	6.1894E+00
1991/07/09	15:51:13.40	6.1894E+00
1991/07/09	15:51:43.40	6.1879E+00
1991/07/09	15:52:13.40	6.1937E+00
1991/07/09	15:52:43.40	6.1966E+00
1991/07/09	15:53:13.40	6.1749E+00
1991/07/09	15:53:43.40	6.1764E+00
1991/07/09	15:54:13.40	6.2009E+00
1991/07/09	15:54:43.40	6.1792E+00
1991/07/09	15:55:13.40	6.1937E+00
1991/07/09	15:55:43.40	6.1879E+00
1991/07/09	15:56:13.40	6.1951E+00
1991/07/09	15:56:43.40	6.1879E+00
1991/07/09	15:57:13.40	6.1937E+00
1991/07/09	15:59:13.40	6.1894E+00
1991/07/09	16:01:13.40	6.1850E+00
1991/07/09	16:03:13.40	6.1995E+00

Date	Time	Analog#01 10psi/W61-1 ft.....	
1991/07/09	16:05:13.40	6.1908E+00	
1991/07/09	16:07:13.40	6.1908E+00	
1991/07/09	16:09:13.40	6.1922E+00	
1991/07/09	16:11:13.40	6.1836E+00	
1991/07/09	16:13:13.40	6.1879E+00	
1991/07/09	16:15:13.40	6.1879E+00	
1991/07/09	16:17:13.40	6.1850E+00	
1991/07/09	16:19:13.40	6.1749E+00	
1991/07/09	16:21:13.40	6.2125E+00	
1991/07/09	16:23:13.40	6.2125E+00	
1991/07/09	16:25:13.40	6.2298E+00	
1991/07/09	16:27:13.40	6.1908E+00	
1991/07/09	16:29:13.40	6.1995E+00	
1991/07/09	16:31:13.40	6.1908E+00	
1991/07/09	16:33:13.40	6.1720E+00	
1991/07/09	16:35:13.40	6.1792E+00	
1991/07/09	16:37:13.40	6.1735E+00	
1991/07/09	16:39:13.40	6.1749E+00	Step 3 9.4 gpm
1991/07/09	16:41:13.40	5.8299E+00	
1991/07/09	16:43:13.40	3.9414E+00	
1991/07/09	16:45:13.40	4.4756E-02	
1991/07/09	16:47:13.40	5.9944E+00	
1991/07/09	16:49:13.40	4.8293E+00	
1991/07/09	16:51:13.40	4.0439E+00	
1991/07/09	16:53:13.40	3.8649E+00	
1991/07/09	16:55:13.40	3.7682E+00	
1991/07/09	16:57:13.40	3.6671E+00	
1991/07/09	16:59:13.40	3.6787E+00	
1991/07/09	17:01:13.40	3.6354E+00	
1991/07/09	17:03:13.40	3.5516E+00	
1991/07/09	17:05:13.40	3.4953E+00	
1991/07/09	17:07:13.40	3.4217E+00	
1991/07/09	17:09:13.40	3.3755E+00	
1991/07/09	17:11:13.40	3.3033E+00	
1991/07/09	17:13:13.40	3.2715E+00	
1991/07/09	17:15:13.40	3.2383E+00	
1991/07/09	17:17:13.40	3.1705E+00	
1991/07/09	17:19:13.40	3.1041E+00	
1991/07/09	17:21:13.40	6.8881E+00	adjusting valve
1991/07/09	17:23:13.40	6.0522E+00	
1991/07/09	17:25:13.40	5.1470E+00	
1991/07/09	17:27:13.40	4.5536E+00	
1991/07/09	17:29:13.40	4.2735E+00	
1991/07/09	17:31:13.40	4.1132E+00	
1991/07/09	17:33:13.40	3.9977E+00	
1991/07/09	17:35:13.40	3.8678E+00	
1991/07/09	17:37:13.40	3.8115E+00	
1991/07/09	17:39:13.40	3.6974E+00	
1991/07/09	17:41:13.40	3.6310E+00	
1991/07/09	17:43:13.40	3.5545E+00	
1991/07/09	17:45:13.40	3.4809E+00	
1991/07/09	17:47:13.40	3.3885E+00	
1991/07/09	17:49:13.40	5.4516E+00	
1991/07/09	17:51:13.40	4.4496E+00	

 Terra8 Data File --> D:\TEM\SITE9\STEP1

Date	Time	Analog#01 10psi/W61-1 ft.....
1991/07/09	17:53:13.40	2.1093E+00
1991/07/09	17:55:13.40	2.1079E-01
1991/07/09	17:57:13.40	4.3312E-02
1991/07/09	17:59:13.40	6.8607E+00
1991/07/09	18:01:13.40	5.9179E+00
1991/07/09	18:03:13.40	5.8573E+00

STEP-DRAWDOWN TEST 2

DATA

 Terra8 Data File --> D:\TEM\SITE9\STEP2.HEX

STEP TEST 2

Date	Time	Analog#01 10 psi/W29- ft.....	Analog#02 5 psi/W29-8 ft.....
1991/07/17	15:11:18.50	6.1533E+00	8.8986E+00
1991/07/17	15:11:20.40	6.1533E+00	8.8993E+00
1991/07/17	15:11:20.90	6.1533E+00	8.8986E+00
1991/07/17	15:11:21.30	6.1533E+00	8.8978E+00
1991/07/17	15:11:22.30	6.1533E+00	8.8978E+00
1991/07/17	15:11:23.30	6.1533E+00	8.8978E+00
1991/07/17	15:11:25.20	6.1533E+00	8.8993E+00
1991/07/17	15:11:25.60	6.1533E+00	8.8986E+00
1991/07/17	15:11:26.30	6.1533E+00	8.8978E+00
1991/07/17	15:11:27.30	6.1533E+00	8.8986E+00
1991/07/17	15:11:28.40	6.2485E+00	8.8986E+00
1991/07/17	15:11:29.30	5.5411E+00	8.8993E+00
1991/07/17	15:11:31.20	4.8597E+00	8.8971E+00
1991/07/17	15:11:31.60	4.6994E+00	8.8986E+00
1991/07/17	15:11:32.30	2.3653E+01	1.1826E+01
1991/07/17	15:11:33.30	4.1248E+00	8.8986E+00
1991/07/17	15:11:34.30	3.8129E+00	8.8978E+00
1991/07/17	15:11:36.20	3.2686E+00	8.8978E+00
1991/07/17	15:11:36.60	3.1402E+00	8.8978E+00
1991/07/17	15:11:37.30	2.3653E+01	1.1826E+01
1991/07/17	15:11:38.30	2.6016E+00	8.8978E+00
1991/07/17	15:11:39.30	2.2840E+00	8.8993E+00
1991/07/17	15:11:40.40	1.9866E+00	8.8993E+00
1991/07/17	15:11:42.20	1.4293E+00	8.8993E+00
1991/07/17	15:11:42.60	1.2806E+00	8.9000E+00
1991/07/17	15:11:43.30	1.0554E+00	8.8993E+00
1991/07/17	15:11:44.30	7.2909E-01	8.9000E+00
1991/07/17	15:11:45.30	4.1147E-01	8.9014E+00
1991/07/17	15:11:47.20	0.0000E+00	8.9022E+00
1991/07/17	15:11:47.60	0.0000E+00	8.9014E+00
1991/07/17	15:11:48.40	0.0000E+00	8.9007E+00
1991/07/17	15:11:50.30	0.0000E+00	8.9014E+00
1991/07/17	15:11:52.30	0.0000E+00	8.9014E+00
1991/07/17	15:11:54.30	0.0000E+00	8.9014E+00
1991/07/17	15:11:56.40	0.0000E+00	8.9007E+00
1991/07/17	15:11:58.30	0.0000E+00	8.9014E+00
1991/07/17	15:12:00.30	0.0000E+00	8.9014E+00
1991/07/17	15:12:02.40	0.0000E+00	8.9007E+00
1991/07/17	15:12:04.30	0.0000E+00	8.9007E+00
1991/07/17	15:12:06.30	0.0000E+00	8.9007E+00
1991/07/17	15:12:08.40	0.0000E+00	8.9000E+00
1991/07/17	15:12:10.40	0.0000E+00	8.9007E+00
1991/07/17	15:12:12.30	0.0000E+00	8.9007E+00
1991/07/17	15:12:14.30	5.9194E-02	8.9022E+00
1991/07/17	15:12:16.40	1.7902E-01	8.9014E+00
1991/07/17	15:12:18.40	3.1041E-01	8.9007E+00
1991/07/17	15:12:23.30	5.9916E-01	8.9007E+00
1991/07/17	15:12:28.30	8.8646E-01	8.9029E+00
1991/07/17	15:12:33.40	1.1146E+00	8.9022E+00
1991/07/17	15:12:38.30	1.3470E+00	8.8993E+00
1991/07/17	15:12:43.30	1.5448E+00	8.9014E+00
1991/07/17	15:12:48.30	1.7137E+00	8.9022E+00
1991/07/17	15:12:53.30	1.8509E+00	8.9029E+00

Step 1 Dewatered before could obtain flow rate (valve set for about 5 gpm)

pump off

 Terra8 Data File --> D:\TEM\SITE9\STEP2.HEX

Date	Time	Analog#01 10 psi/W29- ft.....	Analog#02 5 psi/W29-8 ft.....
1991/07/17	15:12:58.40	1.9649E+00	8.9022E+00
1991/07/17	15:13:03.30	2.0790E+00	8.9036E+00
1991/07/17	15:13:08.30	2.1902E+00	8.9036E+00
1991/07/17	15:13:13.30	2.2970E+00	8.9022E+00
1991/07/17	15:13:18.40	2.4010E+00	8.9022E+00
1991/07/17	15:13:23.40	2.5049E+00	8.9050E+00
1991/07/17	15:13:28.30	2.6089E+00	8.9043E+00
1991/07/17	15:13:33.30	2.7070E+00	8.9058E+00
1991/07/17	15:13:38.40	2.8066E+00	8.9072E+00
1991/07/17	15:13:43.30	2.9092E+00	8.9058E+00
1991/07/17	15:13:48.30	3.0044E+00	8.9058E+00
1991/07/17	15:13:53.30	3.1026E+00	8.9079E+00
1991/07/17	15:13:58.40	3.1921E+00	8.9087E+00
1991/07/17	15:14:03.40	3.2788E+00	8.9094E+00
1991/07/17	15:14:08.30	1.6733E+00	8.9144E+00
1991/07/17	15:14:13.40	0.0000E+00	8.9152E+00
1991/07/17	15:14:18.40	1.4437E-03	8.9137E+00
1991/07/17	15:14:23.30	0.0000E+00	8.9152E+00
1991/07/17	15:14:28.40	1.4437E-03	8.9159E+00
1991/07/17	15:14:33.30	1.4437E-03	8.9173E+00
1991/07/17	15:14:38.40	1.4437E-03	8.9159E+00
1991/07/17	15:14:43.30	1.4437E-03	8.9166E+00
1991/07/17	15:14:48.40	1.7036E-01	8.9180E+00
1991/07/17	15:14:53.30	3.7971E-01	8.9166E+00
1991/07/17	15:14:58.30	5.6451E-01	8.9159E+00
1991/07/17	15:15:03.30	7.2909E-01	8.9152E+00
1991/07/17	15:15:08.30	8.6192E-01	8.9166E+00
1991/07/17	15:15:13.30	9.7453E-01	8.9144E+00
1991/07/17	15:15:18.30	1.0799E+00	8.9130E+00
1991/07/17	15:15:23.30	1.1810E+00	8.9123E+00
1991/07/17	15:15:28.30	1.2820E+00	8.9130E+00
1991/07/17	15:15:33.30	1.3802E+00	8.9137E+00
1991/07/17	15:15:38.40	1.4798E+00	8.9152E+00
1991/07/17	15:15:43.30	1.5737E+00	8.9152E+00
1991/07/17	15:15:48.30	1.6675E+00	8.9144E+00
1991/07/17	15:15:53.30	1.7585E+00	8.9159E+00
1991/07/17	15:15:58.40	1.8494E+00	8.9166E+00
1991/07/17	15:16:03.40	1.9375E+00	8.9159E+00
1991/07/17	15:16:08.40	2.0256E+00	8.9144E+00
1991/07/17	15:16:13.30	2.1122E+00	8.9152E+00
1991/07/17	15:16:18.40	2.2003E+00	8.9137E+00
1991/07/17	15:16:48.30	2.7287E+00	8.9115E+00
1991/07/17	15:17:18.30	3.2484E+00	8.9101E+00
1991/07/17	15:17:48.30	3.6946E+00	8.9115E+00
1991/07/17	15:18:18.30	4.0829E+00	8.9115E+00
1991/07/17	15:18:48.40	4.4323E+00	8.9152E+00
1991/07/17	15:19:18.40	4.7341E+00	8.9152E+00
1991/07/17	15:19:48.30	5.0055E+00	8.9152E+00
1991/07/17	15:20:18.30	5.2423E+00	8.9180E+00
1991/07/17	15:20:48.40	5.4169E+00	8.9202E+00
1991/07/17	15:21:18.30	5.5512E+00	8.9188E+00
1991/07/17	15:21:48.30	5.6653E+00	8.9217E+00
1991/07/17	15:22:18.40	5.7505E+00	8.9224E+00
1991/07/17	15:22:48.30	5.8111E+00	8.9260E+00

Date	Time	Analog#01 10 psi/W29- ft.....	Analog#02 5 psi/W29-8 ft.....
1991/07/17	15:23:18.30	5.8616E+00	8.9310E+00
1991/07/17	15:23:48.30	5.8977E+00	8.9339E+00
1991/07/17	15:24:18.30	5.9324E+00	8.9354E+00
1991/07/17	15:24:48.30	5.9584E+00	8.9383E+00
1991/07/17	15:25:18.30	5.9800E+00	8.9390E+00
1991/07/17	15:25:48.40	5.9930E+00	8.9383E+00
1991/07/17	15:26:18.30	6.0118E+00	8.9426E+00
1991/07/17	15:26:48.40	6.0262E+00	8.9469E+00
1991/07/17	15:27:18.30	6.0378E+00	8.9505E+00
1991/07/17	15:27:48.30	6.0450E+00	8.9642E+00
1991/07/17	15:28:18.30	6.0580E+00	8.9816E+00
1991/07/17	15:28:48.30	6.0580E+00	8.9946E+00
1991/07/17	15:29:18.30	6.0652E+00	9.0039E+00
1991/07/17	15:29:48.30	6.0724E+00	9.0068E+00
1991/07/17	15:30:18.40	6.0796E+00	9.0169E+00
1991/07/17	15:30:58.40	6.0796E+00	9.0191E+00
1991/07/17	15:30:59.30	6.0796E+00	9.0205E+00
1991/07/17	15:31:00.30	6.0825E+00	9.0205E+00
1991/07/17	15:31:01.30	6.0811E+00	9.0205E+00
1991/07/17	15:31:03.20	6.0796E+00	9.0205E+00
1991/07/17	15:31:03.60	6.0796E+00	9.0198E+00
1991/07/17	15:31:04.30	2.3653E+01	1.1826E+01
1991/07/17	15:31:05.30	6.0796E+00	9.0191E+00
1991/07/17	15:31:06.30	6.0796E+00	9.0191E+00
991/07/17	15:31:07.30	6.0796E+00	9.0184E+00
1991/07/17	15:31:09.20	6.0811E+00	9.0177E+00
1991/07/17	15:31:09.60	6.0796E+00	9.0191E+00
1991/07/17	15:31:10.30	2.3653E+01	1.1826E+01
1991/07/17	15:31:11.30	6.0811E+00	9.0191E+00
1991/07/17	15:31:12.40	6.0782E+00	9.0177E+00
1991/07/17	15:31:14.20	6.0811E+00	9.0177E+00
1991/07/17	15:31:14.60	6.0811E+00	9.0184E+00
1991/07/17	15:31:15.30	6.0811E+00	9.0191E+00
1991/07/17	15:31:16.40	6.0811E+00	9.0184E+00
1991/07/17	15:31:17.40	6.0825E+00	9.0184E+00
1991/07/17	15:31:18.30	6.0811E+00	9.0184E+00
1991/07/17	15:31:20.20	6.0825E+00	9.0177E+00
1991/07/17	15:31:20.60	6.0811E+00	9.0177E+00
1991/07/17	15:31:21.30	2.3653E+01	1.1826E+01
1991/07/17	15:31:22.40	6.0825E+00	9.0191E+00
1991/07/17	15:31:23.30	6.0811E+00	9.0184E+00
1991/07/17	15:31:25.20	6.0825E+00	9.0184E+00
1991/07/17	15:31:25.60	6.0811E+00	9.0177E+00
1991/07/17	15:31:26.30	6.0796E+00	9.0169E+00
1991/07/17	15:31:27.30	6.0811E+00	9.0177E+00
1991/07/17	15:31:28.40	6.0811E+00	9.0169E+00
1991/07/17	15:31:30.30	6.0811E+00	9.0169E+00
1991/07/17	15:31:32.30	6.0825E+00	9.0184E+00
1991/07/17	15:31:34.40	6.0840E+00	9.0184E+00
1991/07/17	15:31:36.40	6.0854E+00	9.0177E+00
1991/07/17	15:31:38.30	6.0825E+00	9.0184E+00
1991/07/17	15:31:40.30	6.0840E+00	9.0191E+00
1991/07/17	15:31:42.40	6.0840E+00	9.0177E+00
1991/07/17	15:31:44.40	6.0811E+00	9.0162E+00

Date	Time	Analog#01 10 psi/W29- ft.....	Analog#02 5 psi/W29-8 ft.....
1991/07/17	15:31:46.30	6.0825E+00	9.0177E+00
1991/07/17	15:31:48.30	6.0825E+00	9.0177E+00
1991/07/17	15:31:50.40	6.0854E+00	9.0177E+00
1991/07/17	15:31:52.40	6.0840E+00	9.0177E+00
1991/07/17	15:31:54.30	6.0854E+00	9.0184E+00
1991/07/17	15:31:56.30	6.0840E+00	9.0184E+00
1991/07/17	15:31:58.40	6.0854E+00	9.0184E+00
1991/07/17	15:32:03.40	6.0868E+00	9.0205E+00
1991/07/17	15:32:08.30	6.0854E+00	9.0205E+00
1991/07/17	15:32:13.40	5.8082E+00	9.0205E+00
1991/07/17	15:32:18.40	5.6508E+00	9.0191E+00
1991/07/17	15:32:23.40	5.3953E+00	9.0198E+00
1991/07/17	15:32:28.30	5.1831E+00	9.0198E+00
1991/07/17	15:32:33.30	5.0892E+00	9.0213E+00
1991/07/17	15:32:38.40	5.1354E+00	9.0220E+00
1991/07/17	15:32:43.30	5.0127E+00	9.0234E+00
1991/07/17	15:32:48.40	4.9030E+00	9.0242E+00
1991/07/17	15:32:53.30	4.9044E+00	9.0270E+00
1991/07/17	15:32:58.30	4.9564E+00	9.0263E+00
1991/07/17	15:33:03.30	4.9809E+00	9.0256E+00
1991/07/17	15:33:08.40	4.8727E+00	9.0242E+00
1991/07/17	15:33:13.30	4.7716E+00	9.0234E+00
1991/07/17	15:33:18.30	4.6864E+00	9.0256E+00
1991/07/17	15:33:23.30	4.5955E+00	9.0242E+00
1991/07/17	15:33:28.40	4.5276E+00	9.0249E+00
1991/07/17	15:33:33.30	4.4424E+00	9.0234E+00
1991/07/17	15:33:38.30	4.3630E+00	9.0234E+00
1991/07/17	15:33:43.30	4.2850E+00	9.0234E+00
1991/07/17	15:33:48.40	4.2114E+00	9.0234E+00
1991/07/17	15:33:53.40	4.1335E+00	9.0242E+00
1991/07/17	15:33:58.30	4.0540E+00	9.0249E+00
1991/07/17	15:34:03.40	3.9905E+00	9.0263E+00
1991/07/17	15:34:08.40	3.9140E+00	9.0270E+00
1991/07/17	15:34:13.30	3.8404E+00	9.0256E+00
1991/07/17	15:34:18.40	3.7696E+00	9.0249E+00
1991/07/17	15:34:23.30	3.7018E+00	9.0256E+00
1991/07/17	15:34:28.40	3.6238E+00	9.0270E+00
1991/07/17	15:34:33.40	3.5545E+00	9.0270E+00
1991/07/17	15:34:38.40	3.4780E+00	9.0285E+00
1991/07/17	15:34:43.40	3.4058E+00	9.0292E+00
1991/07/17	15:34:48.30	3.3351E+00	9.0314E+00
1991/07/17	15:34:53.40	3.2600E+00	9.0328E+00
1991/07/17	15:34:58.40	3.2037E+00	9.0328E+00
1991/07/17	15:35:03.40	3.1272E+00	9.0343E+00
1991/07/17	15:35:08.40	3.0593E+00	9.0350E+00
1991/07/17	15:35:13.30	2.9958E+00	9.0364E+00
1991/07/17	15:35:18.40	2.9135E+00	9.0357E+00
1991/07/17	15:35:23.30	2.8456E+00	9.0372E+00
1991/07/17	15:35:28.40	2.7778E+00	9.0364E+00
1991/07/17	15:35:33.40	2.6883E+00	9.0379E+00
1991/07/17	15:35:38.40	2.6247E+00	9.0415E+00
1991/07/17	15:35:43.40	2.5627E+00	9.0422E+00
1991/07/17	15:35:48.40	2.4746E+00	9.0408E+00
1991/07/17	15:35:53.30	2.4096E+00	9.0429E+00

Step 2 2.0 gpm

Date	Time	Analog#01 10 psi/W29- ft.....	Analog#02 5 psi/W29-8 ft.....	
1991/07/17	15:35:58.40	2.3591E+00	9.0436E+00	
1991/07/17	15:36:28.30	1.9693E+00	9.0480E+00	
1991/07/17	15:36:58.40	1.5795E+00	9.0509E+00	
1991/07/17	15:37:28.30	1.1868E+00	9.0516E+00	
1991/07/17	15:37:58.40	7.6086E-01	9.0574E+00	
1991/07/17	15:38:28.30	2.8875E-01	9.0588E+00	
1991/07/17	15:38:58.30	0.0000E+00	9.0667E+00	
1991/07/17	15:39:28.30	0.0000E+00	9.0718E+00	
1991/07/17	15:39:58.30	0.0000E+00	9.0725E+00	
1991/07/17	15:40:28.30	1.4437E-03	9.0783E+00	
1991/07/17	15:40:58.30	0.0000E+00	9.0870E+00	
1991/07/17	15:41:28.40	5.7750E-03	9.0927E+00	
1991/07/17	15:41:58.30	3.5516E-01	9.1021E+00	pump off
1991/07/17	15:42:28.30	9.9619E-01	9.1173E+00	
1991/07/17	15:42:58.30	1.5130E+00	9.1187E+00	
1991/07/17	15:43:28.40	1.9967E+00	9.1245E+00	
1991/07/17	15:43:58.40	2.4573E+00	9.1303E+00	
1991/07/17	15:44:28.40	2.9395E+00	9.1404E+00	
1991/07/17	15:44:58.40	3.3841E+00	9.1469E+00	
1991/07/17	15:45:28.40	3.7898E+00	9.1635E+00	
1991/07/17	15:45:58.30	4.1378E+00	9.1743E+00	
1991/07/17	15:46:28.30	4.4569E+00	9.1822E+00	
1991/07/17	15:46:58.30	4.7312E+00	9.1895E+00	
1991/07/17	15:47:28.30	4.9766E+00	9.1945E+00	
1991/07/17	15:47:58.40	5.1989E+00	9.1967E+00	
1991/07/17	15:48:28.30	5.3664E+00	9.2010E+00	
1991/07/17	15:48:58.30	5.4949E+00	9.2075E+00	
1991/07/17	15:49:28.30	5.5989E+00	9.2155E+00	
1991/07/17	15:49:58.40	5.6884E+00	9.2205E+00	
1991/07/17	15:50:28.40	5.7533E+00	9.2248E+00	
1991/07/17	15:50:58.40	5.8068E+00	9.2378E+00	
1991/07/17	15:51:58.30	5.8775E+00	9.2761E+00	
1991/07/17	15:52:58.30	5.9295E+00	9.2920E+00	
1991/07/17	15:53:58.40	5.9742E+00	9.3245E+00	
1991/07/17	15:54:58.40	5.9988E+00	9.3649E+00	
1991/07/17	15:55:58.40	6.0190E+00	9.3923E+00	
1991/07/17	15:56:58.40	6.0262E+00	9.3959E+00	
1991/07/17	15:57:58.40	6.0435E+00	9.3974E+00	
1991/07/17	15:58:58.30	6.0551E+00	9.4147E+00	
1991/07/17	15:59:58.40	6.0594E+00	9.4125E+00	
1991/07/17	16:00:58.40	6.0724E+00	9.4169E+00	
1991/07/17	16:02:58.30	6.0825E+00	9.4161E+00	
1991/07/17	16:04:58.40	6.0926E+00	9.7186E+00	
1991/07/17	16:06:58.40	6.0984E+00	1.0074E+01	
1991/07/17	16:08:58.40	6.1056E+00	1.0111E+01	
1991/07/17	16:10:58.40	6.1042E+00	1.0117E+01	← reset transducer in W29-8(A2) - was slowly slipping
1991/07/17	16:12:58.40	6.1099E+00	8.8357E+00	← downhole up to this point
1991/07/17	16:14:58.40	6.1172E+00	8.8473E+00	
1991/07/17	16:16:58.40	6.1186E+00	8.8473E+00	
1991/07/17	16:18:22.20	6.1143E+00	8.8408E+00	
1991/07/17	16:18:23.30	6.1143E+00	8.8408E+00	
1991/07/17	16:18:24.40	6.1128E+00	8.8401E+00	
1991/07/17	16:18:25.30	6.1143E+00	8.8401E+00	
1991/07/17	16:18:26.30	6.1128E+00	8.8401E+00	

Date	Time	Analog#01 10 psi/W29- ft.....	Analog#02 5 psi/W29-8 ft.....
1991/07/17	16:18:27.40	6.1128E+00	8.8394E+00
1991/07/17	16:18:29.20	6.1143E+00	8.8394E+00
1991/07/17	16:18:29.60	6.1143E+00	8.8401E+00
1991/07/17	16:18:30.30	6.1128E+00	8.8372E+00
1991/07/17	16:18:31.40	6.1143E+00	8.8386E+00
1991/07/17	16:18:32.40	6.1143E+00	8.8386E+00
1991/07/17	16:18:33.40	6.1128E+00	8.8394E+00
1991/07/17	16:18:35.20	6.1143E+00	8.8401E+00
1991/07/17	16:18:35.60	6.1143E+00	8.8386E+00
1991/07/17	16:18:36.30	6.1128E+00	8.8386E+00
1991/07/17	16:18:37.40	6.1128E+00	8.8379E+00
1991/07/17	16:18:38.40	6.1128E+00	8.8379E+00
1991/07/17	16:18:40.20	6.1128E+00	8.8365E+00
1991/07/17	16:18:40.60	6.1114E+00	8.8365E+00
1991/07/17	16:18:41.30	6.1114E+00	8.8365E+00
1991/07/17	16:18:42.40	6.1128E+00	8.8357E+00
1991/07/17	16:18:43.40	6.1114E+00	8.8350E+00
1991/07/17	16:18:44.30	6.1128E+00	8.8357E+00
1991/07/17	16:18:46.20	6.1128E+00	8.8336E+00
1991/07/17	16:18:46.60	6.1128E+00	8.8350E+00
1991/07/17	16:18:47.30	6.1128E+00	8.8350E+00
1991/07/17	16:18:48.40	6.1143E+00	8.8365E+00
1991/07/17	16:18:49.30	6.1143E+00	8.8350E+00
1991/07/17	16:18:51.20	6.1143E+00	8.8350E+00
1991/07/17	16:18:51.60	6.1143E+00	8.8350E+00
1991/07/17	16:18:52.40	6.1143E+00	8.8343E+00
1991/07/17	16:18:54.40	6.1157E+00	8.8329E+00
1991/07/17	16:18:56.40	6.1172E+00	8.8357E+00
1991/07/17	16:18:58.40	2.3653E+01	1.1826E+01
1991/07/17	16:19:00.40	6.1186E+00	8.8372E+00
1991/07/17	16:19:02.40	6.1201E+00	8.8372E+00
1991/07/17	16:19:04.40	6.1215E+00	8.8394E+00
1991/07/17	16:19:06.40	6.1201E+00	8.8379E+00
1991/07/17	16:19:08.40	6.1186E+00	8.8365E+00
1991/07/17	16:19:10.40	6.1172E+00	8.8365E+00
1991/07/17	16:19:12.40	6.1172E+00	8.8357E+00
1991/07/17	16:19:14.40	2.3653E+01	1.1826E+01
1991/07/17	16:19:16.40	6.1201E+00	8.8379E+00
1991/07/17	16:19:18.40	6.1186E+00	8.8357E+00
1991/07/17	16:19:20.40	6.1186E+00	8.8372E+00
1991/07/17	16:19:22.40	6.1186E+00	8.8350E+00
1991/07/17	16:19:27.40	6.1201E+00	8.8357E+00
1991/07/17	16:19:32.40	6.1128E+00	8.8386E+00
1991/07/17	16:19:37.40	5.9815E+00	8.8401E+00
1991/07/17	16:19:42.40	5.9006E+00	8.8401E+00
1991/07/17	16:19:47.40	5.8169E+00	8.8408E+00
1991/07/17	16:19:52.40	5.7548E+00	8.8444E+00
1991/07/17	16:19:57.40	5.6739E+00	8.8473E+00
1991/07/17	16:20:02.40	5.6032E+00	8.8480E+00
1991/07/17	16:20:07.40	5.5353E+00	8.8466E+00
1991/07/17	16:20:12.40	5.4790E+00	8.8509E+00
1991/07/17	16:20:17.40	5.4040E+00	8.8502E+00
1991/07/17	16:20:22.40	5.3404E+00	8.8495E+00
1991/07/17	16:20:27.40	5.2783E+00	8.8531E+00

Step 3 0.9 gpm

Date	Time	Analog#01 10 psi/W29- ft.....	Analog#02 5 psi/W29-8 ft.....
1991/07/17	16:20:32.40	5.2148E+00	8.8524E+00
1991/07/17	16:20:37.40	5.1542E+00	8.8531E+00
1991/07/17	16:20:42.40	5.0863E+00	8.8524E+00
1991/07/17	16:20:47.40	5.0286E+00	8.8516E+00
1991/07/17	16:20:52.40	4.9679E+00	8.8538E+00
1991/07/17	16:20:57.40	4.9131E+00	8.8531E+00
1991/07/17	16:21:02.40	4.8640E+00	8.8560E+00
1991/07/17	16:21:07.40	4.8149E+00	8.8560E+00
1991/07/17	16:21:12.40	4.7528E+00	8.8545E+00
1991/07/17	16:21:17.40	4.7138E+00	8.8581E+00
1991/07/17	16:21:22.40	4.6633E+00	8.8574E+00
1991/07/17	16:21:27.40	4.6128E+00	8.8603E+00
1991/07/17	16:21:32.40	4.5622E+00	8.8588E+00
1991/07/17	16:21:37.40	4.5175E+00	8.8567E+00
1991/07/17	16:21:42.40	4.4670E+00	8.8581E+00
1991/07/17	16:21:47.40	4.4034E+00	8.8574E+00
1991/07/17	16:21:52.40	4.3471E+00	8.8574E+00
1991/07/17	16:21:57.40	4.2908E+00	8.8581E+00
1991/07/17	16:22:02.40	4.2388E+00	8.8567E+00
1991/07/17	16:22:07.40	4.1753E+00	8.8567E+00
1991/07/17	16:22:12.40	4.1233E+00	8.8560E+00
1991/07/17	16:22:17.40	4.0670E+00	8.8545E+00
1991/07/17	16:22:22.40	4.0107E+00	8.8545E+00
1991/07/17	16:22:27.40	3.9660E+00	8.8531E+00
1991/07/17	16:22:32.40	3.9068E+00	8.8567E+00
1991/07/17	16:22:37.40	3.8534E+00	8.8567E+00
1991/07/17	16:22:42.40	3.7999E+00	8.8574E+00
1991/07/17	16:22:47.40	3.7379E+00	8.8588E+00
1991/07/17	16:22:52.40	3.6888E+00	8.8588E+00
1991/07/17	16:22:57.40	3.6325E+00	8.8617E+00
1991/07/17	16:23:02.40	3.5848E+00	8.8588E+00
1991/07/17	16:23:07.40	3.5271E+00	8.8603E+00
1991/07/17	16:23:12.40	3.4852E+00	8.8588E+00
1991/07/17	16:23:17.40	3.4101E+00	8.8574E+00
1991/07/17	16:23:22.40	3.3423E+00	8.8581E+00
1991/07/17	16:23:52.40	2.9871E+00	8.8617E+00
1991/07/17	16:24:22.40	2.5987E+00	8.8617E+00
1991/07/17	16:24:52.40	2.2407E+00	8.8588E+00
1991/07/17	16:25:22.40	1.9101E+00	8.8610E+00
1991/07/17	16:25:52.40	1.6314E+00	8.8588E+00
1991/07/17	16:26:22.40	1.5578E+00	8.8567E+00
1991/07/17	16:26:52.40	1.4856E+00	8.8531E+00
1991/07/17	16:27:22.40	1.3903E+00	8.8516E+00
1991/07/17	16:27:52.40	1.2792E+00	8.8495E+00
1991/07/17	16:28:22.40	1.1911E+00	8.8552E+00
1991/07/17	16:28:52.40	1.0698E+00	8.8531E+00
1991/07/17	16:29:22.40	9.6154E-01	8.8524E+00
1991/07/17	16:29:52.40	8.5326E-01	8.8516E+00
1991/07/17	16:30:22.40	7.4497E-01	8.8487E+00
1991/07/17	16:30:52.40	6.3236E-01	8.8480E+00
1991/07/17	16:31:22.40	5.2552E-01	8.8524E+00
1991/07/17	16:31:52.40	3.9126E-01	8.8516E+00
1991/07/17	16:32:22.40	2.2956E-01	8.8502E+00
1991/07/17	16:32:52.40	9.5287E-02	8.8473E+00

Date	Time	Analog#01 10 psi/W29- ft.....	Analog#02 5 psi/W29-8 ft.....	
1991/07/17	16:33:22.40	1.8769E-02	8.8545E+00	
1991/07/17	16:33:52.40	1.7325E-02	8.8545E+00	
1991/07/17	16:34:22.40	1.5881E-02	8.8531E+00	
1991/07/17	16:34:52.40	1.5881E-02	8.8538E+00	
1991/07/17	16:35:22.40	1.7325E-02	8.8552E+00	
1991/07/17	16:35:52.40	1.7325E-02	8.8545E+00	
1991/07/17	16:36:22.40	1.5881E-02	8.8538E+00	
1991/07/17	16:36:52.40	1.0106E-02	8.8495E+00	
1991/07/17	16:37:22.40	1.1550E-02	8.8466E+00	
1991/07/17	16:37:52.40	1.4437E-02	8.8459E+00	
1991/07/17	16:38:22.40	1.7325E-02	8.8495E+00	
1991/07/17	16:39:22.40	2.0212E-02	8.8509E+00	
1991/07/17	16:40:22.40	2.3100E-02	8.8574E+00	
1991/07/17	16:41:22.40	2.0212E-02	8.8552E+00	
1991/07/17	16:42:22.40	1.8769E-02	8.8502E+00	
1991/07/17	16:43:22.40	1.5881E-02	8.8495E+00	
1991/07/17	16:44:22.40	2.0212E-02	8.8480E+00	
1991/07/17	16:45:22.40	2.1656E-02	8.8545E+00	
1991/07/17	16:46:22.40	1.7325E-02	8.8502E+00	
1991/07/17	16:47:22.40	2.0212E-02	8.8459E+00	
1991/07/17	16:48:22.40	1.8769E-02	8.8487E+00	
1991/07/17	16:50:22.40	2.0212E-02	8.8437E+00	
1991/07/17	16:52:22.40	2.1656E-02	8.8495E+00	
1991/07/17	16:54:22.40	2.3100E-02	8.8437E+00	
1991/07/17	16:56:22.40	2.4544E-02	8.8487E+00	
1991/07/17	16:58:22.40	2.3100E-02	8.8480E+00	
1991/07/17	17:00:22.40	2.7431E-02	8.8466E+00	
1991/07/17	17:02:22.40	2.3100E-02	8.8422E+00	
1991/07/17	17:04:22.40	2.3100E-02	8.8401E+00	
1991/07/17	17:06:22.40	2.4544E-02	8.8386E+00	
1991/07/17	17:08:22.40	2.3100E-02	8.8437E+00	
1991/07/17	17:10:22.40	2.1656E-02	8.8343E+00	
1991/07/17	17:12:22.40	2.7431E-02	8.8401E+00	
1991/07/17	17:14:22.40	2.8875E-02	8.8437E+00	
1991/07/17	17:16:22.40	2.7431E-02	8.8430E+00	
1991/07/17	17:18:22.40	3.0319E-02	8.8444E+00	
1991/07/17	17:23:22.40	2.5987E-02	8.8350E+00	
1991/07/17	17:28:22.40	2.8875E-02	8.8365E+00	
1991/07/17	17:33:22.40	2.8153E+00	8.8357E+00	
1991/07/17	17:38:22.40	5.3837E+00	8.8314E+00	stop pump
1991/07/17	17:43:22.40	5.9280E+00	8.8329E+00	
1991/07/17	17:48:22.40	6.0277E+00	8.8415E+00	
1991/07/17	17:53:22.40	6.0637E+00	8.8437E+00	
1991/07/17	17:58:22.40	6.0868E+00	8.8451E+00	
1991/07/17	18:03:22.40	6.1027E+00	8.8495E+00	
1991/07/17	18:08:22.40	6.1114E+00	8.8487E+00	
1991/07/17	18:13:22.40	6.1201E+00	8.8495E+00	
1991/07/17	18:18:22.40	6.1244E+00	8.8502E+00	
1991/07/17	18:23:22.40	6.1316E+00	8.8538E+00	
1991/07/17	18:28:22.40	6.1359E+00	8.8538E+00	
1991/07/17	18:33:22.40	6.1388E+00	8.8567E+00	
1991/07/17	18:38:22.40	6.1417E+00	8.8560E+00	
1991/07/17	18:43:22.40	6.1460E+00	8.8581E+00	
1991/07/17	18:48:22.40	6.1489E+00	8.8610E+00	

Date	Time	Analog#01 10 psi/W29- ft.....	Analog#02 5 psi/W29-8 ft.....
1991/07/17	18:53:22.40	6.1518E+00	8.8617E+00
1991/07/17	18:58:22.40	6.1533E+00	8.8610E+00
1991/07/17	19:03:22.40	6.1533E+00	8.8596E+00
1991/07/17	19:08:22.40	6.1576E+00	8.8610E+00
1991/07/17	19:13:22.40	6.1605E+00	8.8596E+00
1991/07/17	19:18:22.40	6.1605E+00	8.8588E+00
1991/07/17	19:33:22.40	6.1634E+00	8.8588E+00
1991/07/17	19:48:22.40	6.1648E+00	8.8596E+00
1991/07/17	20:03:22.40	6.1677E+00	8.8625E+00
1991/07/17	20:18:22.40	6.1677E+00	8.8596E+00
1991/07/17	20:33:22.40	6.1706E+00	8.8588E+00
1991/07/17	20:48:22.40	6.1720E+00	8.8574E+00
1991/07/17	21:03:22.40	6.1720E+00	8.8545E+00
1991/07/17	21:18:22.40	6.1735E+00	8.8574E+00
1991/07/17	21:33:22.40	6.1735E+00	8.8596E+00
1991/07/17	21:48:22.40	6.1749E+00	8.8610E+00
1991/07/17	22:03:22.40	6.1735E+00	8.8596E+00
1991/07/17	22:18:22.40	6.1735E+00	8.8574E+00
1991/07/17	22:33:22.40	6.1764E+00	8.8581E+00
1991/07/17	22:48:22.40	6.1764E+00	8.8610E+00
1991/07/17	23:03:22.40	6.1792E+00	8.8625E+00
1991/07/17	23:18:22.40	6.1821E+00	8.8653E+00
1991/07/17	23:48:22.40	6.1850E+00	8.8675E+00
1991/07/18	00:18:22.40	6.1879E+00	8.8711E+00
991/07/18	00:48:22.40	6.1894E+00	8.8747E+00
1991/07/18	01:18:22.40	6.1908E+00	8.8755E+00
1991/07/18	01:48:22.40	6.1937E+00	8.8783E+00
1991/07/18	02:18:22.40	6.1951E+00	8.8783E+00
1991/07/18	02:48:22.40	6.1937E+00	8.8783E+00
1991/07/18	03:18:22.40	6.1951E+00	8.8776E+00
1991/07/18	03:48:22.40	6.1937E+00	8.8755E+00
1991/07/18	04:18:22.40	6.1937E+00	8.8769E+00
1991/07/18	04:48:22.40	6.1922E+00	8.8747E+00
1991/07/18	05:18:22.40	6.1937E+00	8.8776E+00
1991/07/18	05:48:22.40	6.1922E+00	8.8755E+00
1991/07/18	06:18:22.40	6.1937E+00	8.8769E+00
1991/07/18	06:48:22.40	6.1922E+00	8.8769E+00
1991/07/18	07:18:22.40	6.1937E+00	8.8848E+00
1991/07/18	08:18:22.40	6.1922E+00	8.8863E+00
1991/07/18	08:22:21.70	6.1879E+00	8.8834E+00
1991/07/18	08:22:23.40	6.1879E+00	8.8834E+00
1991/07/18	08:22:24.40	6.1879E+00	8.8834E+00
1991/07/18	08:22:25.40	6.1879E+00	8.8827E+00
1991/07/18	08:22:27.20	6.1879E+00	8.8819E+00
1991/07/18	08:22:27.60	6.1865E+00	8.8827E+00
1991/07/18	08:22:28.30	6.1865E+00	8.8819E+00
1991/07/18	08:22:29.40	6.1865E+00	8.8819E+00
1991/07/18	08:22:30.40	6.1865E+00	8.8812E+00
1991/07/18	08:22:32.20	6.1879E+00	8.8827E+00
1991/07/18	08:22:32.60	6.1865E+00	8.8812E+00
1991/07/18	08:22:33.30	6.1879E+00	8.8812E+00
1991/07/18	08:22:34.40	6.1879E+00	8.8812E+00
1991/07/18	08:22:35.40	6.1865E+00	8.8805E+00
1991/07/18	08:22:36.40	6.1865E+00	8.8812E+00

 Terra8 Data File --> D:\TEM\SITE9\STEP2.HEX

Date	Time	Analog#01 10 psi/W29- ft.....	Analog#02 5 psi/W29-8 ft.....
1991/07/18	08:22:38.20	6.1879E+00	8.8812E+00
1991/07/18	08:22:38.60	6.1879E+00	8.8805E+00
1991/07/18	08:22:39.40	6.1879E+00	8.8819E+00
1991/07/18	08:22:40.40	6.1865E+00	8.8812E+00
1991/07/18	08:22:41.40	6.1879E+00	8.8812E+00
1991/07/18	08:22:43.20	6.1879E+00	8.8819E+00
1991/07/18	08:22:43.60	6.1865E+00	8.8812E+00
1991/07/18	08:22:44.30	6.1865E+00	8.8805E+00
1991/07/18	08:22:45.40	6.1879E+00	8.8812E+00
1991/07/18	08:22:46.40	6.1879E+00	8.8812E+00
1991/07/18	08:22:47.40	6.1879E+00	8.8812E+00
1991/07/18	08:22:49.20	6.1865E+00	8.8812E+00
1991/07/18	08:22:49.60	6.1865E+00	8.8805E+00
1991/07/18	08:22:50.40	6.1865E+00	8.8812E+00
1991/07/18	08:22:51.40	6.1879E+00	8.8805E+00
1991/07/18	08:22:52.40	6.1865E+00	8.8805E+00
1991/07/18	08:22:54.40	6.1865E+00	8.8805E+00
1991/07/18	08:22:56.40	6.1894E+00	8.8812E+00
1991/07/18	08:22:58.40	6.1879E+00	8.8805E+00
1991/07/18	08:23:00.40	6.1879E+00	8.8812E+00
1991/07/18	08:23:02.40	6.1879E+00	8.8812E+00
1991/07/18	08:23:04.40	6.1879E+00	8.8805E+00
1991/07/18	08:23:06.40	6.1879E+00	8.8812E+00
1991/07/18	08:23:08.40	6.1879E+00	8.8812E+00
1991/07/18	08:23:10.40	6.1879E+00	8.8805E+00
1991/07/18	08:23:12.40	6.1879E+00	8.8805E+00
1991/07/18	08:23:14.40	6.1894E+00	8.8812E+00
1991/07/18	08:23:16.40	6.1894E+00	8.8812E+00
1991/07/18	08:23:18.40	6.1879E+00	8.8805E+00
1991/07/18	08:23:20.40	6.1894E+00	8.8812E+00
1991/07/18	08:23:22.40	6.1879E+00	8.8812E+00
1991/07/18	08:23:27.40	6.1894E+00	8.8812E+00
1991/07/18	08:23:32.40	6.1894E+00	8.8805E+00
1991/07/18	08:23:37.40	6.3626E+00	8.8798E+00
1991/07/18	08:23:42.40	6.1605E+00	8.8798E+00
1991/07/18	08:23:47.40	6.1619E+00	8.8805E+00
1991/07/18	08:23:52.40	6.1749E+00	8.8812E+00
1991/07/18	08:23:57.40	6.1706E+00	8.8812E+00
1991/07/18	08:24:02.40	6.1764E+00	8.8798E+00
1991/07/18	08:24:07.40	6.1807E+00	8.8812E+00
1991/07/18	08:24:12.40	6.1749E+00	8.8812E+00
1991/07/18	08:24:17.40	6.1691E+00	8.8812E+00
1991/07/18	08:24:22.40	6.0190E+00	8.8812E+00
1991/07/18	08:24:27.40	5.9122E+00	8.8812E+00
1991/07/18	08:24:32.40	5.8039E+00	8.8819E+00
1991/07/18	08:24:37.40	5.7230E+00	8.8834E+00
1991/07/18	08:24:42.40	5.6364E+00	8.8827E+00
1991/07/18	08:24:47.40	5.5555E+00	8.8834E+00
1991/07/18	08:24:52.40	5.4689E+00	8.8812E+00
1991/07/18	08:24:57.40	5.3924E+00	8.8827E+00
1991/07/18	08:25:02.40	5.3159E+00	8.8812E+00
1991/07/18	08:25:07.40	5.2264E+00	8.8827E+00
1991/07/18	08:25:12.40	5.1455E+00	8.8819E+00
1991/07/18	08:25:17.40	5.0762E+00	8.8819E+00

Step 4 0.7 gpm

Date	Time	Analog#01 10 psi/W29- ft.....	Analog#02 5 psi/W29-8 ft.....
1991/07/18	08:25:22.40	4.9954E+00	8.8819E+00
1991/07/18	08:25:27.40	4.9131E+00	8.8812E+00
1991/07/18	08:25:32.40	4.8958E+00	8.8834E+00
1991/07/18	08:25:37.40	4.8712E+00	8.8827E+00
1991/07/18	08:25:42.40	4.8394E+00	8.8819E+00
1991/07/18	08:25:47.40	4.8163E+00	8.8827E+00
1991/07/18	08:25:52.40	4.8034E+00	8.8827E+00
1991/07/18	08:25:57.40	4.7730E+00	8.8827E+00
1991/07/18	08:26:02.40	4.7499E+00	8.8827E+00
1991/07/18	08:26:07.40	4.7182E+00	8.8827E+00
1991/07/18	08:26:12.40	4.6951E+00	8.8819E+00
1991/07/18	08:26:17.40	4.6792E+00	8.8812E+00
1991/07/18	08:26:22.40	4.6561E+00	8.8834E+00
1991/07/18	08:26:27.40	4.6287E+00	8.8827E+00
1991/07/18	08:26:32.40	4.5955E+00	8.8827E+00
1991/07/18	08:26:37.40	4.5738E+00	8.8834E+00
1991/07/18	08:26:42.40	4.5594E+00	8.8827E+00
1991/07/18	08:26:47.40	4.5305E+00	8.8834E+00
1991/07/18	08:26:52.40	4.5146E+00	8.8827E+00
1991/07/18	08:26:57.40	4.4857E+00	8.8827E+00
1991/07/18	08:27:02.40	4.4597E+00	8.8819E+00
1991/07/18	08:27:07.40	4.4424E+00	8.8819E+00
1991/07/18	08:27:12.40	4.4208E+00	8.8819E+00
1991/07/18	08:27:17.40	4.3948E+00	8.8819E+00
1991/07/18	08:27:22.40	4.3789E+00	8.8819E+00
1991/07/18	08:27:52.40	4.2562E+00	8.8819E+00
1991/07/18	08:28:22.40	4.1291E+00	8.8827E+00
1991/07/18	08:28:52.40	4.0165E+00	8.8819E+00
1991/07/18	08:29:22.40	3.8707E+00	8.8827E+00
1991/07/18	08:29:52.40	3.7335E+00	8.8827E+00
1991/07/18	08:30:22.40	3.5978E+00	8.8834E+00
1991/07/18	08:30:52.40	3.5083E+00	8.8834E+00
1991/07/18	08:31:22.40	3.5906E+00	8.8834E+00
1991/07/18	08:31:52.40	3.6527E+00	8.8819E+00
1991/07/18	08:32:22.40	3.7090E+00	8.8819E+00
1991/07/18	08:32:52.40	3.7624E+00	8.8805E+00
1991/07/18	08:33:22.40	3.7956E+00	8.8819E+00
1991/07/18	08:33:52.40	3.8433E+00	8.8812E+00
1991/07/18	08:34:22.40	3.8736E+00	8.8805E+00
1991/07/18	08:34:52.40	3.8981E+00	8.8791E+00
1991/07/18	08:35:22.40	3.9270E+00	8.8805E+00
1991/07/18	08:35:52.40	3.9443E+00	8.8812E+00
1991/07/18	08:36:22.40	3.9631E+00	8.8805E+00
1991/07/18	08:36:52.40	3.9689E+00	8.8798E+00
1991/07/18	08:37:22.40	3.9891E+00	8.8791E+00
1991/07/18	08:37:52.40	3.9992E+00	8.8776E+00
1991/07/18	08:38:22.40	4.0050E+00	8.8776E+00
1991/07/18	08:38:52.40	4.0151E+00	8.8755E+00
1991/07/18	08:39:22.40	4.0266E+00	8.8747E+00
1991/07/18	08:39:52.40	4.0324E+00	8.8762E+00
1991/07/18	08:40:22.40	4.0353E+00	8.8769E+00
1991/07/18	08:40:52.40	4.0439E+00	8.8776E+00
1991/07/18	08:41:22.40	4.0425E+00	8.8769E+00
1991/07/18	08:41:52.40	4.0396E+00	8.8776E+00

Date	Time	Analog#01 10 psi/W29- ft.....	Analog#02 5 psi/W29-8 ft.....
1991/07/18	08:42:22.40	4.0483E+00	8.8769E+00
1991/07/18	08:43:22.40	4.0439E+00	8.8755E+00
1991/07/18	08:44:22.40	4.0396E+00	8.8755E+00
1991/07/18	08:45:22.40	4.0324E+00	8.8755E+00
1991/07/18	08:46:22.40	4.0338E+00	8.8733E+00
1991/07/18	08:47:22.40	4.0194E+00	8.8726E+00
1991/07/18	08:48:22.40	4.0064E+00	8.8726E+00
1991/07/18	08:49:22.40	3.9992E+00	8.8740E+00
1991/07/18	08:50:22.40	3.9949E+00	8.8762E+00
1991/07/18	08:51:22.40	3.9862E+00	8.8747E+00
1991/07/18	08:52:22.40	3.9732E+00	8.8733E+00
1991/07/18	08:54:22.40	3.9588E+00	8.8675E+00
1991/07/18	08:56:22.40	3.9443E+00	8.8675E+00
1991/07/18	08:58:22.40	3.9198E+00	8.8668E+00
1991/07/18	09:00:22.40	3.8938E+00	8.8632E+00
1991/07/18	09:02:22.40	3.8649E+00	8.8653E+00
1991/07/18	09:04:22.40	3.8461E+00	8.8675E+00
1991/07/18	09:06:22.40	3.8057E+00	8.8639E+00
1991/07/18	09:08:22.40	3.7768E+00	8.8632E+00
1991/07/18	09:10:22.40	3.7523E+00	8.8625E+00
1991/07/18	09:12:22.40	3.7350E+00	8.8617E+00
1991/07/18	09:14:22.40	3.7133E+00	8.8625E+00
1991/07/18	09:16:22.40	3.7075E+00	8.8596E+00
1991/07/18	09:18:22.40	3.7047E+00	8.8610E+00
1991/07/18	09:20:22.40	3.6917E+00	8.8617E+00
1991/07/18	09:22:22.40	3.6729E+00	8.8610E+00
1991/07/18	09:27:22.40	3.6354E+00	8.8610E+00
1991/07/18	09:32:22.40	3.6065E+00	8.8617E+00
1991/07/18	09:37:22.40	3.5935E+00	8.8610E+00
1991/07/18	09:42:22.40	3.5689E+00	8.8653E+00
1991/07/18	09:47:22.40	3.5473E+00	8.8711E+00
1991/07/18	09:52:22.40	3.5126E+00	8.8697E+00
1991/07/18	09:57:22.40	3.4823E+00	8.8567E+00
1991/07/18	10:02:22.40	3.4534E+00	8.8581E+00
1991/07/18	10:07:22.40	3.4433E+00	8.8646E+00
1991/07/18	10:12:22.40	3.4202E+00	8.8653E+00
1991/07/18	10:17:22.40	3.4072E+00	8.8690E+00
1991/07/18	10:22:22.40	3.3885E+00	8.8682E+00
1991/07/18	10:27:22.40	3.3885E+00	8.8668E+00
1991/07/18	10:30:01.50	3.3784E+00	8.8697E+00
1991/07/18	10:30:03.40	3.3769E+00	8.8682E+00
1991/07/18	10:30:03.80	3.3813E+00	8.8682E+00
1991/07/18	10:30:04.20	3.3769E+00	8.8690E+00
1991/07/18	10:30:05.40	3.3798E+00	8.8690E+00
1991/07/18	10:30:06.40	3.3813E+00	8.8668E+00
1991/07/18	10:30:08.20	3.3769E+00	8.8668E+00
1991/07/18	10:30:08.60	3.3784E+00	8.8668E+00
1991/07/18	10:30:09.30	3.3813E+00	8.8661E+00
1991/07/18	10:30:10.40	3.3784E+00	8.8668E+00
1991/07/18	10:30:11.40	3.3755E+00	8.8668E+00
1991/07/18	10:30:12.40	3.3755E+00	8.8661E+00
1991/07/18	10:30:14.20	3.3798E+00	8.8661E+00
1991/07/18	10:30:14.60	3.3798E+00	8.8661E+00
1991/07/18	10:30:15.30	3.3784E+00	8.8646E+00

 Terra8 Data File --> D:\TEM\SITE9\STEP2.HEX

Date	Time	Analog#01 10 psi/W29- ft.....	Analog#02 5 psi/W29-8 ft.....
1991/07/18	10:30:16.40	3.3784E+00	8.8668E+00
1991/07/18	10:30:17.40	3.3813E+00	8.8653E+00
1991/07/18	10:30:19.20	3.3769E+00	8.8646E+00
1991/07/18	10:30:19.60	3.3784E+00	8.8646E+00
1991/07/18	10:30:20.30	3.3769E+00	8.8639E+00
1991/07/18	10:30:21.40	3.3813E+00	8.8646E+00
1991/07/18	10:30:22.40	3.3755E+00	8.8653E+00
1991/07/18	10:30:23.40	3.3726E+00	8.8653E+00
1991/07/18	10:30:25.20	3.3769E+00	8.8646E+00
1991/07/18	10:30:25.60	3.3755E+00	8.8639E+00
1991/07/18	10:30:26.30	3.3769E+00	8.8639E+00
1991/07/18	10:30:27.40	3.3740E+00	8.8639E+00
1991/07/18	10:30:28.40	3.3784E+00	8.8639E+00
1991/07/18	10:30:30.20	3.3798E+00	8.8646E+00
1991/07/18	10:30:30.60	3.3740E+00	8.8639E+00
1991/07/18	10:30:31.40	3.3740E+00	8.8639E+00
1991/07/18	10:30:33.40	3.3755E+00	8.8632E+00
1991/07/18	10:30:35.40	3.3740E+00	8.8625E+00
1991/07/18	10:30:37.40	3.3798E+00	8.8639E+00
1991/07/18	10:30:39.40	3.3784E+00	8.8639E+00
1991/07/18	10:30:41.40	3.3740E+00	8.8639E+00
1991/07/18	10:30:43.40	3.3769E+00	8.8639E+00
1991/07/18	10:30:45.40	3.3740E+00	8.8639E+00
1991/07/18	10:30:47.40	3.3784E+00	8.8639E+00
1991/07/18	10:30:49.40	3.3755E+00	8.8646E+00
1991/07/18	10:30:51.40	3.3784E+00	8.8639E+00
1991/07/18	10:30:53.40	3.3798E+00	8.8639E+00
1991/07/18	10:30:55.40	3.3784E+00	8.8632E+00
1991/07/18	10:30:57.40	3.3769E+00	8.8639E+00
1991/07/18	10:30:59.40	3.3740E+00	8.8639E+00
1991/07/18	10:31:01.40	3.3740E+00	8.8639E+00
1991/07/18	10:31:06.40	3.3798E+00	8.8646E+00
1991/07/18	10:31:11.40	3.3755E+00	8.8639E+00
1991/07/18	10:31:16.40	3.3740E+00	8.8646E+00
1991/07/18	10:31:21.40	3.3567E+00	8.8653E+00
1991/07/18	10:31:26.40	3.2455E+00	8.8661E+00
1991/07/18	10:31:31.40	3.1604E+00	8.8646E+00
1991/07/18	10:31:36.40	3.0723E+00	8.8668E+00
1991/07/18	10:31:41.40	2.9914E+00	8.8653E+00
1991/07/18	10:31:46.40	2.8990E+00	8.8646E+00
1991/07/18	10:31:51.40	2.8168E+00	8.8668E+00
1991/07/18	10:31:56.40	2.7301E+00	8.8639E+00
1991/07/18	10:32:01.40	2.6522E+00	8.8661E+00
1991/07/18	10:32:06.40	2.5699E+00	8.8653E+00
1991/07/18	10:32:11.40	2.4876E+00	8.8661E+00
1991/07/18	10:32:16.40	2.4111E+00	8.8646E+00
1991/07/18	10:32:21.40	2.3389E+00	8.8646E+00
1991/07/18	10:32:26.40	2.2681E+00	8.8646E+00
1991/07/18	10:32:31.40	2.2003E+00	8.8653E+00
1991/07/18	10:32:36.40	2.1165E+00	8.8653E+00
1991/07/18	10:32:41.40	2.0458E+00	8.8653E+00
1991/07/18	10:32:46.40	1.9866E+00	8.8661E+00
1991/07/18	10:32:51.40	1.9115E+00	8.8668E+00
1991/07/18	10:32:56.40	1.8408E+00	8.8661E+00

Step 5 1.6 gpm

Date	Time	Analog#01 10 psi/W29- ft.....	Analog#02 5 psi/W29-8 ft.....
1991/07/18	10:33:01.40	1.7773E+00	8.8646E+00
1991/07/18	10:33:06.40	1.7080E+00	8.8646E+00
1991/07/18	10:33:11.40	1.6358E+00	8.8646E+00
1991/07/18	10:33:16.40	1.5722E+00	8.8668E+00
1991/07/18	10:33:21.40	1.5073E+00	8.8653E+00
1991/07/18	10:33:26.40	1.4250E+00	8.8675E+00
1991/07/18	10:33:31.40	1.3571E+00	8.8661E+00
1991/07/18	10:33:36.40	1.2936E+00	8.8668E+00
1991/07/18	10:33:41.40	1.2286E+00	8.8653E+00
1991/07/18	10:33:46.40	1.1550E+00	8.8646E+00
1991/07/18	10:33:51.40	1.0785E+00	8.8668E+00
1991/07/18	10:33:56.40	1.0222E+00	8.8668E+00
1991/07/18	10:34:01.40	9.5576E-01	8.8682E+00
1991/07/18	10:34:06.40	8.8213E-01	8.8675E+00
1991/07/18	10:34:11.40	8.0272E-01	8.8682E+00
1991/07/18	10:34:16.40	7.3487E-01	8.8682E+00
1991/07/18	10:34:21.40	6.4247E-01	8.8682E+00
1991/07/18	10:34:26.40	5.6162E-01	8.8690E+00
1991/07/18	10:34:31.40	5.0098E-01	8.8697E+00
1991/07/18	10:34:36.40	2.3653E+01	1.1826E+01
1991/07/18	10:34:41.40	3.3639E-01	8.8697E+00
1991/07/18	10:34:46.40	2.4977E-01	8.8704E+00
1991/07/18	10:34:51.40	1.6459E-01	8.8675E+00
1991/07/18	10:34:56.40	2.3653E+01	1.1826E+01
1991/07/18	10:35:01.40	2.8875E-03	8.8668E+00
1991/07/18	10:35:31.40	2.7431E-02	8.8653E+00
1991/07/18	10:36:01.40	3.0319E-02	8.8682E+00
1991/07/18	10:36:24.60	2.7431E-02	8.8675E+00
1991/07/18	10:36:28.90	2.7431E-02	8.8675E+00
1991/07/18	10:36:30.30	2.7431E-02	8.8675E+00
1991/07/18	10:36:30.70	2.7431E-02	8.8668E+00
1991/07/18	10:36:31.20	2.7431E-02	8.8682E+00
1991/07/18	10:36:31.60	2.7431E-02	8.8668E+00
1991/07/18	10:36:33.00	2.7431E-02	8.8675E+00
1991/07/18	10:36:33.40	2.7431E-02	8.8675E+00
1991/07/18	10:36:33.80	2.7431E-02	8.8675E+00
1991/07/18	10:36:34.30	2.7431E-02	8.8675E+00
1991/07/18	10:36:35.40	2.7431E-02	8.8661E+00
1991/07/18	10:36:37.20	2.7431E-02	8.8668E+00
1991/07/18	10:36:37.60	2.5987E-02	8.8668E+00
1991/07/18	10:36:38.30	2.5987E-02	8.8661E+00
1991/07/18	10:36:39.40	2.7431E-02	8.8675E+00
1991/07/18	10:36:40.40	2.7431E-02	8.8668E+00
1991/07/18	10:36:42.20	2.5987E-02	8.8668E+00
1991/07/18	10:36:42.60	2.5987E-02	8.8668E+00
1991/07/18	10:36:43.30	2.5987E-02	8.8668E+00
1991/07/18	10:36:44.40	2.5987E-02	8.8661E+00
1991/07/18	10:36:45.40	2.7431E-02	8.8661E+00
1991/07/18	10:36:46.40	2.5987E-02	8.8653E+00
1991/07/18	10:36:48.20	2.5987E-02	8.8653E+00
1991/07/18	10:36:48.60	2.5987E-02	8.8646E+00
1991/07/18	10:36:49.30	2.5987E-02	8.8653E+00
1991/07/18	10:36:50.40	2.5987E-02	8.8661E+00
1991/07/18	10:36:51.40	2.5987E-02	8.8646E+00

 Terra8 Data File --> D:\TEM\SITE9\STEP2.HEX

Date	Time	Analog#01 10 psi/W29- ft.....	Analog#02 5 psi/W29-8 ft.....	
1991/07/18	10:36:53.20	2.5987E-02	8.8646E+00	
1991/07/18	10:36:53.60	2.5987E-02	8.8646E+00	
1991/07/18	10:36:54.30	2.5987E-02	8.8646E+00	
1991/07/18	10:36:55.40	2.5987E-02	8.8646E+00	
1991/07/18	10:36:57.40	2.4544E-02	8.8646E+00	
1991/07/18	10:36:59.40	2.5987E-02	8.8646E+00	
1991/07/18	10:37:01.40	2.5987E-02	8.8653E+00	
1991/07/18	10:37:03.40	2.5987E-02	8.8646E+00	
1991/07/18	10:37:05.40	2.4544E-02	8.8646E+00	
1991/07/18	10:37:07.40	2.5987E-02	8.8646E+00	
1991/07/18	10:37:09.40	2.4544E-02	8.8639E+00	
1991/07/18	10:37:11.40	2.4544E-02	8.8639E+00	
1991/07/18	10:37:13.40	2.3100E-02	8.8617E+00	
1991/07/18	10:37:15.40	2.4544E-02	8.8661E+00	
1991/07/18	10:37:17.40	2.5987E-02	8.8632E+00	
1991/07/18	10:37:19.40	2.4544E-02	8.8639E+00	
1991/07/18	10:37:21.40	2.5987E-02	8.8632E+00	
1991/07/18	10:37:23.40	2.5987E-02	8.8639E+00	
1991/07/18	10:37:25.40	2.4544E-02	8.8625E+00	
1991/07/18	10:37:30.40	2.5987E-02	8.8617E+00	
1991/07/18	10:37:35.40	2.3653E+01	1.1826E+01	
1991/07/18	10:37:40.40	2.3653E+01	1.1826E+01	stop pump
1991/07/18	10:37:45.40	1.4871E-01	8.8617E+00	
1991/07/18	10:37:50.40	2.4255E-01	8.8625E+00	
1991/07/18	10:37:55.40	3.4072E-01	8.8617E+00	
1991/07/18	10:38:00.40	4.3746E-01	8.8617E+00	
1991/07/18	10:38:05.40	5.3130E-01	8.8617E+00	
1991/07/18	10:38:10.40	6.2370E-01	8.8610E+00	
1991/07/18	10:38:15.40	7.1177E-01	8.8610E+00	
1991/07/18	10:38:20.40	7.9551E-01	8.8625E+00	
1991/07/18	10:38:25.40	8.7636E-01	8.8617E+00	
1991/07/18	10:38:30.40	9.5432E-01	8.8625E+00	
1991/07/18	10:38:35.40	1.0308E+00	8.8625E+00	
1991/07/18	10:38:40.40	1.1030E+00	8.8617E+00	
1991/07/18	10:38:45.40	1.1767E+00	8.8617E+00	
1991/07/18	10:38:50.40	1.2488E+00	8.8617E+00	
1991/07/18	10:38:55.40	2.3653E+01	1.1826E+01	
1991/07/18	10:39:00.40	1.3932E+00	8.8639E+00	
1991/07/18	10:39:05.40	1.4596E+00	8.8632E+00	
1991/07/18	10:39:10.40	1.5260E+00	8.8625E+00	
1991/07/18	10:39:15.40	1.5939E+00	8.8639E+00	
1991/07/18	10:39:20.40	1.6589E+00	8.8632E+00	
1991/07/18	10:39:25.40	1.7253E+00	8.8625E+00	
1991/07/18	10:39:30.40	1.7888E+00	8.8632E+00	
1991/07/18	10:39:35.40	1.8523E+00	8.8625E+00	
1991/07/18	10:39:40.40	1.9173E+00	8.8625E+00	
1991/07/18	10:39:45.40	1.9808E+00	8.8625E+00	
1991/07/18	10:39:50.40	2.0443E+00	8.8632E+00	
1991/07/18	10:39:55.40	2.1093E+00	8.8632E+00	
1991/07/18	10:40:00.40	2.1714E+00	8.8646E+00	
1991/07/18	10:40:05.40	2.2335E+00	8.8646E+00	
1991/07/18	10:40:10.40	2.2970E+00	8.8653E+00	
1991/07/18	10:40:15.40	2.3605E+00	8.8668E+00	
1991/07/18	10:40:20.40	2.4226E+00	8.8668E+00	

Date	Time	Analog#01 10 psi/W29- ft.....	Analog#02 5 psi/W29-8 ft.....
1991/07/18	10:40:25.40	2.4847E+00	8.8675E+00
1991/07/18	10:40:30.40	2.5540E+00	8.8675E+00
1991/07/18	10:40:35.40	2.6190E+00	8.8682E+00
1991/07/18	10:40:40.40	2.6839E+00	8.8682E+00
1991/07/18	10:40:45.40	2.7518E+00	8.8690E+00
1991/07/18	10:40:50.40	2.8211E+00	8.8690E+00
1991/07/18	10:40:55.40	2.8889E+00	8.8697E+00
1991/07/18	10:41:00.40	2.9568E+00	8.8690E+00
1991/07/18	10:41:05.40	3.0232E+00	8.8682E+00
1991/07/18	10:41:10.40	3.0896E+00	8.8690E+00
1991/07/18	10:41:15.40	3.1503E+00	8.8682E+00
1991/07/18	10:41:20.40	3.2109E+00	8.8697E+00
1991/07/18	10:41:25.40	3.2715E+00	8.8697E+00
1991/07/18	10:41:55.40	3.6137E+00	8.8704E+00
1991/07/18	10:42:25.40	3.9140E+00	8.8682E+00
1991/07/18	10:42:55.40	4.1869E+00	8.8697E+00
1991/07/18	10:43:25.40	4.4424E+00	8.8704E+00
1991/07/18	10:43:55.40	4.6691E+00	8.8697E+00
1991/07/18	10:44:25.40	4.8741E+00	8.8675E+00
1991/07/18	10:44:55.40	5.0690E+00	8.8668E+00
1991/07/18	10:45:25.40	5.2451E+00	8.8653E+00
1991/07/18	10:45:55.40	5.3881E+00	8.8625E+00
1991/07/18	10:46:25.40	5.5007E+00	8.8646E+00
1991/07/18	10:46:55.40	5.5931E+00	8.8661E+00
1991/07/18	10:47:25.40	5.6696E+00	8.8690E+00
1991/07/18	10:47:55.40	5.7346E+00	8.8668E+00
1991/07/18	10:48:25.40	5.7837E+00	8.8639E+00
1991/07/18	10:48:55.40	5.8313E+00	8.8632E+00
1991/07/18	10:49:25.40	5.8674E+00	8.8675E+00
1991/07/18	10:49:55.40	5.8934E+00	8.8682E+00
1991/07/18	10:50:25.40	5.9165E+00	8.8704E+00
1991/07/18	10:50:55.40	5.9338E+00	8.8697E+00
1991/07/18	10:51:25.40	5.9497E+00	8.8668E+00
1991/07/18	10:51:55.40	5.9670E+00	8.8697E+00
1991/07/18	10:52:25.40	5.9815E+00	8.8718E+00
1991/07/18	10:52:55.40	5.9930E+00	8.8755E+00
1991/07/18	10:53:25.40	5.9973E+00	8.8733E+00
1991/07/18	10:53:55.40	6.0060E+00	8.8704E+00
1991/07/18	10:54:25.40	6.0132E+00	8.8704E+00
1991/07/18	10:54:55.40	6.0233E+00	8.8726E+00
1991/07/18	10:55:25.40	6.0291E+00	8.8740E+00
1991/07/18	10:55:55.40	6.0334E+00	8.8755E+00
1991/07/18	10:56:25.40	6.0378E+00	8.8747E+00
1991/07/18	10:57:25.40	6.0508E+00	8.8755E+00
1991/07/18	10:58:25.40	6.0551E+00	8.8783E+00
1991/07/18	10:59:25.40	6.0594E+00	8.8776E+00
1991/07/18	11:00:25.40	6.0652E+00	8.8783E+00
1991/07/18	11:01:25.40	6.0724E+00	8.8762E+00
1991/07/18	11:02:25.40	6.0782E+00	8.8819E+00
1991/07/18	11:03:25.40	6.0811E+00	8.8791E+00
1991/07/18	11:04:25.40	6.0840E+00	8.8783E+00
1991/07/18	11:05:25.40	6.0868E+00	8.8812E+00
1991/07/18	11:06:25.40	6.0897E+00	8.8819E+00
1991/07/18	11:08:25.40	6.0970E+00	8.8848E+00

 Terra8 Data File --> D:\TEM\SITE9\STEP2.HEX

Date	Time	Analog#01 10 psi/W29- ft.....	Analog#02 5 psi/W29-8 ft.....
1991/07/18	11:10:25.40	6.1027E+00	8.8856E+00
1991/07/18	11:12:25.40	6.1042E+00	8.8848E+00
1991/07/18	11:14:25.40	6.1071E+00	8.8892E+00
1991/07/18	11:16:25.40	6.1099E+00	8.8921E+00
1991/07/18	11:18:25.40	6.1128E+00	8.8928E+00
1991/07/18	11:20:25.40	6.1172E+00	8.8978E+00
1991/07/18	11:22:25.40	6.1172E+00	8.8906E+00
1991/07/18	11:24:25.40	6.1215E+00	8.8971E+00
1991/07/18	11:26:25.40	6.1229E+00	8.9029E+00
1991/07/18	11:28:25.40	6.1229E+00	8.9043E+00
1991/07/18	11:30:25.40	6.1186E+00	8.9014E+00
1991/07/18	11:32:25.40	6.1201E+00	8.9000E+00
1991/07/18	11:34:25.30	6.1229E+00	8.9014E+00
1991/07/18	11:36:25.40	6.1258E+00	8.9050E+00
1991/07/18	11:41:25.40	6.1273E+00	8.9115E+00
1991/07/18	11:46:25.40	6.1316E+00	8.9159E+00
1991/07/18	11:51:25.40	6.1316E+00	8.9130E+00
1991/07/18	11:56:25.40	6.1316E+00	8.9115E+00
1991/07/18	12:01:25.30	6.1345E+00	8.9101E+00
1991/07/18	12:06:25.40	6.1330E+00	8.9115E+00
1991/07/18	12:11:25.40	6.1388E+00	8.9209E+00
1991/07/18	12:16:25.30	6.1374E+00	8.9195E+00
1991/07/18	12:21:25.40	6.1388E+00	8.9188E+00
1991/07/18	12:26:25.40	6.1403E+00	8.9245E+00
1991/07/18	12:31:25.40	6.1388E+00	8.9260E+00
1991/07/18	12:36:25.30	6.1374E+00	8.9354E+00
1991/07/18	12:41:25.30	6.1403E+00	8.9332E+00
1991/07/18	12:46:25.40	6.1388E+00	8.9339E+00
1991/07/18	12:51:25.30	6.1403E+00	8.9541E+00
1991/07/18	12:56:25.30	6.1388E+00	8.9549E+00
1991/07/18	13:01:25.30	6.1460E+00	8.9693E+00
1991/07/18	13:06:25.40	6.1446E+00	9.0018E+00
1991/07/18	13:11:25.30	6.1749E+00	9.2025E+00
1991/07/18	13:16:25.30	6.2096E+00	9.2104E+00
1991/07/18	13:21:25.30	6.2110E+00	9.2292E+00
1991/07/18	13:26:25.40	6.2125E+00	9.2407E+00
1991/07/18	13:31:25.30	6.2153E+00	9.2595E+00
1991/07/18	13:36:25.40	6.2153E+00	9.2609E+00
1991/07/18	13:51:25.30	6.2254E+00	9.3670E+00
1991/07/18	14:06:25.30	6.2240E+00	1.0484E+01
1991/07/18	14:21:25.40	6.2269E+00	1.0502E+01

STEP-DRAWDOWN TEST 3

DATA

STEP TEST 3

Background levels

Date	Time	Analog#01 10 psi/W56-ft.....
1991/07/18	17:28:37.70	1.3941E+01
1991/07/18	17:28:39.40	1.3942E+01
1991/07/18	17:28:40.40	1.3942E+01
1991/07/18	17:28:42.10	1.3942E+01
1991/07/18	17:28:42.40	1.3941E+01
1991/07/18	17:28:43.40	1.3941E+01
1991/07/18	17:28:44.40	1.3941E+01
1991/07/18	17:28:45.40	1.3942E+01
1991/07/18	17:28:46.40	1.3941E+01
1991/07/18	17:28:48.10	1.3941E+01
1991/07/18	17:28:48.40	1.3939E+01
1991/07/18	17:28:49.40	1.3939E+01
1991/07/18	17:28:50.40	1.3939E+01
1991/07/18	17:28:51.40	1.3938E+01
1991/07/18	17:28:53.10	1.3938E+01
1991/07/18	17:28:53.40	1.3939E+01
1991/07/18	17:28:54.40	1.3939E+01
1991/07/18	17:28:55.40	1.3939E+01
1991/07/18	17:28:56.40	1.3941E+01
1991/07/18	17:28:57.40	1.3942E+01
1991/07/18	17:28:59.10	1.3941E+01
1991/07/18	17:28:59.40	1.3941E+01
1991/07/18	17:29:00.40	1.3941E+01
1991/07/18	17:29:01.40	1.3942E+01
1991/07/18	17:29:02.40	1.3939E+01
1991/07/18	17:29:04.10	1.3941E+01
1991/07/18	17:29:04.40	1.3939E+01
1991/07/18	17:29:05.40	1.3941E+01
1991/07/18	17:29:06.40	1.3941E+01
1991/07/18	17:29:07.40	1.3941E+01
1991/07/18	17:29:08.40	1.3941E+01
1991/07/18	17:29:10.40	1.3941E+01
1991/07/18	17:29:12.40	1.3939E+01
1991/07/18	17:29:14.40	1.3939E+01
1991/07/18	17:29:16.40	1.3939E+01
1991/07/18	17:29:18.40	1.3939E+01
1991/07/18	17:29:20.40	1.3938E+01
1991/07/18	17:29:22.40	1.3941E+01
1991/07/18	17:29:24.40	1.3939E+01
1991/07/18	17:29:26.40	1.3937E+01
1991/07/18	17:29:28.40	1.3938E+01
1991/07/18	17:29:30.40	1.3938E+01
1991/07/18	17:29:32.40	1.3937E+01
1991/07/18	17:29:34.40	1.3937E+01
1991/07/18	17:29:36.40	1.3935E+01
1991/07/18	17:29:38.40	1.3937E+01
1991/07/18	17:29:43.40	1.3938E+01
1991/07/18	17:29:48.40	1.3938E+01
1991/07/18	17:29:53.40	1.3941E+01
1991/07/18	17:29:58.40	1.3939E+01
1991/07/18	17:30:03.40	1.3937E+01
1991/07/18	17:30:08.40	1.3937E+01
1991/07/18	17:30:13.40	1.3939E+01

Date	Time	Analog#01 10 psi/W56-ft.....
1991/07/18	17:30:18.40	1.3938E+01
1991/07/18	17:30:23.40	1.3941E+01
1991/07/18	17:30:28.40	1.3938E+01
1991/07/18	17:30:33.40	1.3938E+01
1991/07/18	17:30:38.40	1.3938E+01
1991/07/18	17:30:43.40	1.3938E+01
1991/07/18	17:30:48.40	1.3938E+01
1991/07/18	17:30:53.40	1.3937E+01
1991/07/18	17:30:58.40	1.3938E+01
1991/07/18	17:31:03.40	1.3939E+01
1991/07/18	17:31:08.40	1.3939E+01
1991/07/18	17:31:13.40	1.3939E+01
1991/07/18	17:31:18.40	1.3939E+01
1991/07/18	17:31:23.40	1.3939E+01
1991/07/18	17:31:28.40	1.3938E+01
1991/07/18	17:31:33.40	1.3938E+01
1991/07/18	17:31:38.40	1.3938E+01
1991/07/18	17:31:43.40	1.3935E+01
1991/07/18	17:31:48.40	1.3935E+01
1991/07/18	17:31:53.40	1.3937E+01
1991/07/18	17:31:58.40	1.3937E+01
1991/07/18	17:32:03.40	1.3939E+01
1991/07/18	17:32:08.40	1.3939E+01
1991/07/18	17:32:13.40	1.3939E+01
1991/07/18	17:32:18.40	1.3939E+01
1991/07/18	17:32:23.40	1.3939E+01
1991/07/18	17:32:28.40	1.3939E+01
1991/07/18	17:32:33.40	1.3939E+01
1991/07/18	17:32:38.40	1.3941E+01
1991/07/18	17:32:43.40	1.3941E+01
1991/07/18	17:32:48.40	1.3937E+01
1991/07/18	17:32:53.40	1.3938E+01
1991/07/18	17:32:58.40	1.3937E+01
1991/07/18	17:33:03.40	1.3937E+01
1991/07/18	17:33:08.40	1.3938E+01
1991/07/18	17:33:13.40	1.3937E+01
1991/07/18	17:33:18.40	1.3938E+01
1991/07/18	17:33:23.40	1.3939E+01
1991/07/18	17:33:28.40	1.3939E+01
1991/07/18	17:33:33.40	1.3938E+01
1991/07/18	17:33:38.40	1.3938E+01
1991/07/18	17:34:08.40	1.3939E+01
1991/07/18	17:34:38.40	1.3937E+01
1991/07/18	17:35:08.40	1.3931E+01
1991/07/18	17:35:38.40	1.3937E+01
1991/07/18	17:36:08.40	1.3935E+01
1991/07/18	17:36:38.40	1.3935E+01
1991/07/18	17:37:08.40	1.3935E+01
1991/07/18	17:37:38.40	1.3932E+01
1991/07/18	17:38:08.40	1.3935E+01
1991/07/18	17:38:38.40	1.3932E+01
1991/07/18	17:39:08.40	1.3938E+01
1991/07/18	17:39:38.40	1.3937E+01
1991/07/18	17:40:08.40	1.3932E+01

Date	Time	Analog#01 10 psi/W56-ft.....
1991/07/18	17:40:38.40	1.3935E+01
1991/07/18	17:41:08.40	1.3935E+01
1991/07/18	17:41:38.40	1.3932E+01
1991/07/18	17:42:08.40	1.3929E+01
1991/07/18	17:42:38.40	1.3928E+01
1991/07/18	17:43:08.40	1.3932E+01
1991/07/18	17:43:38.40	1.3929E+01
1991/07/18	17:44:08.40	1.3928E+01
1991/07/18	17:44:38.40	1.3929E+01
1991/07/18	17:45:08.40	1.3925E+01
1991/07/18	17:45:38.40	1.3928E+01
1991/07/18	17:46:08.40	1.3926E+01
1991/07/18	17:46:38.40	1.3928E+01
1991/07/18	17:47:08.40	1.3925E+01
1991/07/18	17:47:38.40	1.3926E+01
1991/07/18	17:48:08.40	1.3926E+01
1991/07/18	17:48:38.40	1.3925E+01
1991/07/18	17:49:38.40	1.3924E+01
1991/07/18	17:50:38.40	1.3924E+01
1991/07/18	17:51:38.40	1.3924E+01
1991/07/18	17:52:38.40	1.3922E+01
1991/07/18	17:53:38.40	1.3922E+01
1991/07/18	17:54:38.40	1.3922E+01
1991/07/18	17:55:38.40	1.3919E+01
1991/07/18	17:56:38.40	1.3919E+01
1991/07/18	17:57:38.40	1.3921E+01
1991/07/18	17:58:38.40	1.3916E+01
1991/07/18	18:00:38.40	1.3916E+01
1991/07/18	18:02:38.40	1.3915E+01
1991/07/18	18:04:38.40	1.3915E+01
1991/07/18	18:06:38.40	1.3912E+01
1991/07/18	18:08:38.40	1.3912E+01
1991/07/18	18:10:38.40	1.3911E+01
1991/07/18	18:12:38.40	1.3909E+01
1991/07/18	18:14:38.40	1.3908E+01
1991/07/18	18:16:38.40	1.3909E+01
1991/07/18	18:18:38.40	1.3906E+01
1991/07/18	18:20:38.40	1.3905E+01
1991/07/18	18:22:38.40	1.3902E+01
1991/07/18	18:24:38.40	1.3905E+01
1991/07/18	18:26:38.40	1.3900E+01
1991/07/18	18:28:38.40	1.3903E+01
1991/07/18	18:33:38.40	1.3900E+01
1991/07/18	18:38:38.40	1.3899E+01
1991/07/18	18:43:38.40	1.3898E+01
1991/07/18	18:48:38.40	1.3896E+01
1991/07/18	18:53:38.40	1.3895E+01
1991/07/18	18:58:38.40	1.3895E+01
1991/07/18	19:03:38.40	1.3892E+01
1991/07/18	19:08:38.40	1.3893E+01
1991/07/18	19:13:38.40	1.3893E+01
1991/07/18	19:18:38.40	1.3893E+01
1991/07/18	19:23:38.40	1.3893E+01
1991/07/18	19:28:38.40	1.3893E+01

Date	Time	Analog#01 10 psi/W56-ft.....
1991/07/18	19:33:38.40	1.3893E+01
1991/07/18	19:38:38.40	1.3893E+01
1991/07/18	19:43:38.40	1.3895E+01
1991/07/18	19:48:38.40	1.3892E+01
1991/07/18	19:53:38.40	1.3893E+01
1991/07/18	19:58:38.40	1.3895E+01
1991/07/18	20:03:38.40	1.3896E+01
1991/07/18	20:08:38.40	1.3898E+01
1991/07/18	20:13:38.40	1.3898E+01
1991/07/18	20:18:38.40	1.3898E+01
1991/07/18	20:23:38.40	1.3899E+01
1991/07/18	20:28:38.40	1.3900E+01
1991/07/18	20:43:38.40	1.3900E+01
1991/07/18	20:58:38.40	1.3900E+01
1991/07/18	21:13:38.40	1.3898E+01
1991/07/18	21:28:38.40	1.3896E+01
1991/07/18	21:43:38.40	1.3895E+01
1991/07/18	21:58:38.40	1.3896E+01
1991/07/18	22:13:38.40	1.3896E+01
1991/07/18	22:28:38.40	1.3899E+01
1991/07/18	22:43:38.40	1.3899E+01
1991/07/18	22:58:38.40	1.3902E+01
1991/07/18	23:13:38.40	1.3902E+01
1991/07/18	23:28:38.40	1.3900E+01
1991/07/18	23:43:38.40	1.3902E+01
1991/07/18	23:58:38.40	1.3902E+01
1991/07/19	00:13:38.40	1.3905E+01
1991/07/19	00:28:38.40	1.3906E+01
1991/07/19	00:58:38.40	1.3913E+01
1991/07/19	01:28:38.40	1.3915E+01
1991/07/19	01:58:38.40	1.3918E+01
1991/07/19	02:28:38.40	1.3925E+01
1991/07/19	02:58:38.40	1.3931E+01
1991/07/19	03:28:38.40	1.3934E+01
1991/07/19	03:58:38.40	1.3935E+01
1991/07/19	04:28:38.40	1.3934E+01
1991/07/19	04:58:38.40	1.3937E+01
1991/07/19	05:28:38.40	1.3935E+01
1991/07/19	05:58:38.40	1.3932E+01
1991/07/19	06:28:38.40	1.3928E+01
1991/07/19	06:58:38.40	1.3919E+01
1991/07/19	07:28:38.40	1.3912E+01
1991/07/19	08:36:40.90	1.3896E+01
1991/07/19	08:36:42.40	1.3898E+01
1991/07/19	08:36:43.40	1.3898E+01
1991/07/19	08:36:44.40	1.3896E+01
1991/07/19	08:36:46.10	1.3896E+01
1991/07/19	08:36:46.50	1.3898E+01
1991/07/19	08:36:47.40	1.3898E+01
1991/07/19	08:36:48.40	1.3896E+01
1991/07/19	08:36:49.40	1.3896E+01
1991/07/19	08:36:51.10	1.3895E+01
1991/07/19	08:36:51.50	1.3896E+01
1991/07/19	08:36:52.40	1.3896E+01

Step 1 0.7 gpm

Date	Time	Analog#01 10 psi/W56-ft.....
1991/07/19	08:36:53.40	1.3895E+01
1991/07/19	08:36:54.40	1.3896E+01
1991/07/19	08:36:55.40	1.3895E+01
1991/07/19	08:36:57.10	1.3896E+01
1991/07/19	08:36:57.50	1.3895E+01
1991/07/19	08:36:58.40	1.3895E+01
1991/07/19	08:36:59.40	1.3895E+01
1991/07/19	08:37:00.40	1.3895E+01
1991/07/19	08:37:02.10	1.3895E+01
1991/07/19	08:37:02.50	1.3895E+01
1991/07/19	08:37:03.40	1.3895E+01
1991/07/19	08:37:04.40	1.3895E+01
1991/07/19	08:37:05.40	1.3893E+01
1991/07/19	08:37:06.40	1.3893E+01
1991/07/19	08:37:08.10	1.3893E+01
1991/07/19	08:37:08.50	1.3893E+01
1991/07/19	08:37:09.40	1.3895E+01
1991/07/19	08:37:10.40	1.3883E+01
1991/07/19	08:37:11.40	1.3245E+01
1991/07/19	08:37:13.40	1.2535E+01
1991/07/19	08:37:15.40	1.2395E+01
1991/07/19	08:37:17.40	1.2328E+01
1991/07/19	08:37:19.40	1.2322E+01
1991/07/19	08:37:21.40	1.2289E+01
1991/07/19	08:37:23.40	1.2207E+01
1991/07/19	08:37:25.40	1.2145E+01
1991/07/19	08:37:27.40	1.2159E+01
1991/07/19	08:37:29.40	1.2153E+01
1991/07/19	08:37:31.40	1.2129E+01
1991/07/19	08:37:33.40	1.2097E+01
1991/07/19	08:37:35.40	1.2097E+01
1991/07/19	08:37:37.40	1.2104E+01
1991/07/19	08:37:39.40	1.2005E+01
1991/07/19	08:37:41.40	1.1928E+01
1991/07/19	08:37:46.40	1.1765E+01
1991/07/19	08:37:51.40	1.1554E+01
1991/07/19	08:37:56.40	1.1238E+01
1991/07/19	08:38:01.40	1.0983E+01
1991/07/19	08:38:06.40	1.0785E+01
1991/07/19	08:38:11.40	1.0635E+01
1991/07/19	08:38:16.40	1.0446E+01
1991/07/19	08:38:21.40	1.0292E+01
1991/07/19	08:38:26.40	1.0134E+01
1991/07/19	08:38:31.40	9.9879E+00
1991/07/19	08:38:36.40	9.8348E+00
1991/07/19	08:38:41.40	9.7049E+00
1991/07/19	08:38:46.40	9.5576E+00
1991/07/19	08:38:51.40	9.4075E+00
1991/07/19	08:38:56.40	9.2588E+00
1991/07/19	08:39:01.40	9.1274E+00
1991/07/19	08:39:06.40	8.9830E+00
1991/07/19	08:39:11.40	8.8271E+00
1991/07/19	08:39:16.40	8.6668E+00
1991/07/19	08:39:21.40	8.5138E+00

Date	Time	Analog#01 10 psi/W56-ft.....
1991/07/19	08:39:26.40	8.4618E+00
1991/07/19	08:39:31.40	8.4878E+00
1991/07/19	08:39:36.40	8.4647E+00
1991/07/19	08:39:41.40	8.4604E+00
1991/07/19	08:39:46.40	8.4315E+00
1991/07/19	08:39:51.40	8.4199E+00
1991/07/19	08:39:56.40	8.4257E+00
1991/07/19	08:40:01.40	8.4041E+00
1991/07/19	08:40:06.40	8.3968E+00
1991/07/19	08:40:11.40	8.4084E+00
1991/07/19	08:40:16.40	8.3867E+00
1991/07/19	08:40:21.40	8.3795E+00
1991/07/19	08:40:26.40	8.3709E+00
1991/07/19	08:40:31.40	8.3867E+00
1991/07/19	08:40:36.40	8.3564E+00
1991/07/19	08:40:41.40	8.3593E+00
1991/07/19	08:40:46.40	8.3839E+00
1991/07/19	08:40:51.40	8.3709E+00
1991/07/19	08:40:56.40	8.3622E+00
1991/07/19	08:41:01.40	8.3506E+00
1991/07/19	08:41:06.40	8.3362E+00
1991/07/19	08:41:11.40	8.3492E+00
1991/07/19	08:41:16.40	8.3247E+00
1991/07/19	08:41:21.40	8.3478E+00
1991/07/19	08:41:26.40	8.3232E+00
1991/07/19	08:41:31.40	8.3117E+00
1991/07/19	08:41:36.40	8.3304E+00
1991/07/19	08:41:41.40	8.3088E+00
1991/07/19	08:42:11.40	8.2453E+00
1991/07/19	08:42:41.40	8.1947E+00
1991/07/19	08:43:11.40	8.1269E+00
1991/07/19	08:43:41.40	8.0749E+00
1991/07/19	08:44:11.40	8.0013E+00
1991/07/19	08:44:41.40	7.9161E+00
1991/07/19	08:45:11.40	7.8222E+00
1991/07/19	08:45:41.40	7.7313E+00
1991/07/19	08:46:11.40	7.6432E+00
1991/07/19	08:46:41.40	7.5652E+00
1991/07/19	08:47:11.40	7.4180E+00
1991/07/19	08:47:41.40	7.3328E+00
1991/07/19	08:48:11.40	7.2072E+00
1991/07/19	08:48:41.40	7.0830E+00
1991/07/19	08:49:11.40	6.9488E+00
1991/07/19	08:49:41.40	6.8188E+00
1991/07/19	08:50:11.40	6.7192E+00
1991/07/19	08:50:41.40	6.6369E+00
1991/07/19	08:51:11.40	6.5286E+00
1991/07/19	08:51:41.40	6.3987E+00
1991/07/19	08:52:11.40	6.2933E+00
1991/07/19	08:52:41.40	6.1807E+00
1991/07/19	08:53:11.40	6.0580E+00
1991/07/19	08:53:41.40	5.9309E+00
1991/07/19	08:54:11.40	5.8371E+00
1991/07/19	08:54:41.40	5.6941E+00

Date	Time	Analog#01 10 psi/W56-ft.....	
1991/07/19	08:55:11.40	5.5786E+00	
1991/07/19	08:55:41.40	5.4530E+00	
1991/07/19	08:56:11.40	5.3375E+00	
1991/07/19	08:56:41.40	5.2105E+00	
1991/07/19	08:57:41.40	4.9752E+00	
1991/07/19	08:58:41.40	4.7037E+00	
1991/07/19	08:59:41.40	4.4626E+00	
1991/07/19	09:00:41.40	4.1970E+00	
1991/07/19	09:01:41.40	3.9429E+00	
1991/07/19	09:02:41.40	3.7321E+00	
1991/07/19	09:03:41.40	3.4895E+00	
1991/07/19	09:04:41.40	3.2470E+00	
1991/07/19	09:05:41.40	2.9943E+00	
1991/07/19	09:06:41.40	2.7330E+00	
1991/07/19	09:08:41.40	2.2147E+00	
1991/07/19	09:10:41.40	1.6877E+00	
1991/07/19	09:12:41.40	1.0871E+00	
1991/07/19	09:14:41.40	5.0242E-01	
1991/07/19	09:16:41.40	5.6306E-02	
1991/07/19	09:18:41.40	5.3419E-02	
1991/07/19	09:20:41.40	5.7750E-02	Dewatered
1991/07/19	09:22:41.40	5.7750E-02	
1991/07/19	09:24:41.40	5.7750E-02	
1991/07/19	09:26:41.40	5.6306E-02	
1991/07/19	09:28:41.40	5.1975E-02	
1991/07/19	09:30:41.40	5.6306E-02	
1991/07/19	09:32:41.40	5.4862E-02	
1991/07/19	09:34:41.40	5.4862E-02	
1991/07/19	09:36:41.40	5.4862E-02	
1991/07/19	09:41:41.40	5.4862E-02	
1991/07/19	09:46:41.40	5.4862E-02	
1991/07/19	09:51:41.40	5.1975E-02	
1991/07/19	09:56:41.40	4.9087E-02	
1991/07/19	10:01:41.40	5.0531E-02	
1991/07/19	10:06:41.40	4.7644E-02	
1991/07/19	10:11:41.40	4.6200E-02	
1991/07/19	10:16:41.40	4.3312E-02	
1991/07/19	10:21:41.40	4.3312E-02	
1991/07/19	10:26:41.40	4.1869E-02	
1991/07/19	10:31:41.40	4.0425E-02	
1991/07/19	10:36:41.40	3.8981E-02	
1991/07/19	10:41:41.40	3.8981E-02	
1991/07/19	10:46:41.40	3.6094E-02	
1991/07/19	10:51:41.40	3.7537E-02	
1991/07/19	10:56:41.40	3.4650E-02	
1991/07/19	11:01:41.40	3.1762E-02	
1991/07/19	11:06:41.40	3.0319E-02	
1991/07/19	11:11:41.40	3.3206E-02	
1991/07/19	11:16:41.40	3.0319E-02	
1991/07/19	11:20:54.40	2.7431E-02	
1991/07/19	11:20:55.40	2.5987E-02	
1991/07/19	11:20:56.40	2.7431E-02	
1991/07/19	11:20:57.40	2.5987E-02	
1991/07/19	11:20:59.10	2.7431E-02	

Date	Time	Analog#01 10 psi/W56-ft.....	
1991/07/19	11:20:59.40	2.5987E-02	
1991/07/19	11:21:00.40	2.5987E-02	
1991/07/19	11:21:01.40	2.5987E-02	
1991/07/19	11:21:02.40	2.5987E-02	
1991/07/19	11:21:03.40	2.7431E-02	
1991/07/19	11:21:05.10	2.5987E-02	
1991/07/19	11:21:05.40	2.5987E-02	
1991/07/19	11:21:06.40	2.5987E-02	
1991/07/19	11:21:07.40	2.5987E-02	
1991/07/19	11:21:08.40	2.7431E-02	
1991/07/19	11:21:10.10	2.7431E-02	
1991/07/19	11:21:10.40	2.5987E-02	
1991/07/19	11:21:11.40	2.7431E-02	
1991/07/19	11:21:12.40	2.7431E-02	
1991/07/19	11:21:13.40	2.7431E-02	
1991/07/19	11:21:14.40	2.7431E-02	
1991/07/19	11:21:16.10	2.7431E-02	
1991/07/19	11:21:16.40	2.5987E-02	
1991/07/19	11:21:17.40	2.7431E-02	
1991/07/19	11:21:18.40	2.7431E-02	
1991/07/19	11:21:19.40	2.7431E-02	
1991/07/19	11:21:21.10	2.5987E-02	
1991/07/19	11:21:21.40	2.5987E-02	
1991/07/19	11:21:22.40	2.5987E-02	
1991/07/19	11:21:23.40	2.7431E-02	
1991/07/19	11:21:24.40	2.5987E-02	
1991/07/19	11:21:26.40	2.5987E-02	
1991/07/19	11:21:28.40	2.7431E-02	
1991/07/19	11:21:30.40	2.5987E-02	
1991/07/19	11:21:32.40	2.5987E-02	
1991/07/19	11:21:34.40	2.7431E-02	
1991/07/19	11:21:36.40	2.7431E-02	
1991/07/19	11:21:38.40	2.5987E-02	
1991/07/19	11:21:40.40	2.7431E-02	
1991/07/19	11:21:42.40	2.7431E-02	
1991/07/19	11:21:44.40	2.7431E-02	
1991/07/19	11:21:46.40	2.7431E-02	
1991/07/19	11:21:48.40	2.7431E-02	
1991/07/19	11:21:50.40	2.7431E-02	
1991/07/19	11:21:52.40	2.7431E-02	
1991/07/19	11:21:54.40	2.5987E-02	
1991/07/19	11:21:59.40	2.8875E-02	
1991/07/19	11:22:04.40	2.8875E-02	
1991/07/19	11:22:09.40	2.8875E-02	
1991/07/19	11:22:14.40	2.8875E-02	stop pump
1991/07/19	11:22:19.40	2.8875E-02	
1991/07/19	11:22:24.40	6.4969E-02	
1991/07/19	11:22:29.40	1.4004E-01	
1991/07/19	11:22:34.40	2.1079E-01	
1991/07/19	11:22:39.40	2.7431E-01	
1991/07/19	11:22:44.40	3.3062E-01	
1991/07/19	11:22:49.40	3.8259E-01	
1991/07/19	11:22:54.40	4.3457E-01	
1991/07/19	11:22:59.40	4.8943E-01	

Date	Time	Analog#01 10 psi/W56-ft.....
1991/07/19	11:23:04.40	5.4429E-01
1991/07/19	11:23:09.40	5.9627E-01
1991/07/19	11:23:14.40	6.4969E-01
1991/07/19	11:23:19.40	7.0166E-01
1991/07/19	11:23:24.40	7.5508E-01
1991/07/19	11:23:29.40	8.0417E-01
1991/07/19	11:23:34.40	8.5326E-01
1991/07/19	11:23:39.40	9.0234E-01
1991/07/19	11:23:44.40	9.4999E-01
1991/07/19	11:23:49.40	9.9619E-01
1991/07/19	11:23:54.40	1.0409E+00
1991/07/19	11:23:59.40	1.0857E+00
1991/07/19	11:24:04.40	1.1319E+00
1991/07/19	11:24:09.40	1.1781E+00
1991/07/19	11:24:14.40	1.2229E+00
1991/07/19	11:24:19.40	2.3653E+01
1991/07/19	11:24:24.40	1.3153E+00
1991/07/19	11:24:29.40	1.3600E+00
1991/07/19	11:24:34.40	1.4077E+00
1991/07/19	11:24:39.40	1.4553E+00
1991/07/19	11:24:44.40	1.5058E+00
1991/07/19	11:24:49.40	1.5578E+00
1991/07/19	11:24:54.40	1.6098E+00
1991/07/19	11:24:59.40	1.6603E+00
1991/07/19	11:25:04.40	1.7065E+00
1991/07/19	11:25:09.40	1.7484E+00
1991/07/19	11:25:14.40	1.7902E+00
1991/07/19	11:25:19.40	1.8336E+00
1991/07/19	11:25:24.40	1.8754E+00
1991/07/19	11:25:29.40	1.9159E+00
1991/07/19	11:25:34.40	1.9563E+00
1991/07/19	11:25:39.40	1.9967E+00
1991/07/19	11:25:44.40	2.0386E+00
1991/07/19	11:25:49.40	2.0761E+00
1991/07/19	11:25:54.40	2.1165E+00
1991/07/19	11:26:24.40	2.3504E+00
1991/07/19	11:26:54.40	2.5901E+00
1991/07/19	11:27:24.40	2.8269E+00
1991/07/19	11:27:54.40	3.0579E+00
1991/07/19	11:28:24.40	3.2802E+00
1991/07/19	11:28:54.40	3.4953E+00
1991/07/19	11:29:24.40	3.7148E+00
1991/07/19	11:29:54.40	3.9357E+00
1991/07/19	11:30:24.40	4.1695E+00
1991/07/19	11:30:54.40	4.4208E+00
1991/07/19	11:31:24.40	4.6633E+00
1991/07/19	11:31:54.40	4.8900E+00
1991/07/19	11:32:24.40	5.1224E+00
1991/07/19	11:32:54.40	5.3419E+00
1991/07/19	11:33:24.40	5.5584E+00
1991/07/19	11:33:54.40	5.7808E+00
1991/07/19	11:34:24.40	6.0017E+00
1991/07/19	11:34:54.40	6.2153E+00
1991/07/19	11:35:24.40	6.4232E+00

Date	Time	Analog#01 10 psi/W56-ft.....
1991/07/19	11:35:54.40	6.6210E+00
1991/07/19	11:36:24.40	6.8102E+00
1991/07/19	11:36:54.40	7.0007E+00
1991/07/19	11:37:24.40	7.2086E+00
1991/07/19	11:37:54.40	7.4007E+00
1991/07/19	11:38:24.40	7.5985E+00
1991/07/19	11:38:54.40	7.7688E+00
1991/07/19	11:39:24.40	7.9363E+00
1991/07/19	11:39:54.40	8.0893E+00
1991/07/19	11:40:24.40	8.2380E+00
1991/07/19	11:40:54.40	8.3839E+00
1991/07/19	11:41:54.40	8.6423E+00
1991/07/19	11:42:54.40	8.8675E+00
1991/07/19	11:43:54.40	9.0754E+00
1991/07/19	11:44:54.40	9.2689E+00
1991/07/19	11:45:54.40	9.4594E+00
1991/07/19	11:46:54.40	9.6442E+00
1991/07/19	11:47:54.40	9.8290E+00
1991/07/19	11:48:54.40	1.0002E+01
1991/07/19	11:49:54.30	1.0163E+01
1991/07/19	11:50:54.40	1.0307E+01
1991/07/19	11:52:54.30	1.0580E+01
1991/07/19	11:54:54.30	1.0832E+01
1991/07/19	11:56:54.30	1.1066E+01
1991/07/19	11:58:54.30	1.1293E+01
1991/07/19	12:00:54.30	1.1612E+01
1991/07/19	12:02:54.30	1.1878E+01
1991/07/19	12:04:54.40	1.2081E+01
1991/07/19	12:06:54.30	1.2231E+01
1991/07/19	12:08:54.30	1.2341E+01
1991/07/19	12:10:54.30	1.2409E+01
1991/07/19	12:12:54.30	1.2451E+01
1991/07/19	12:14:54.30	1.2481E+01
1991/07/19	12:16:54.30	1.2507E+01
1991/07/19	12:18:54.30	1.2527E+01
1991/07/19	12:20:54.40	1.2548E+01
1991/07/19	12:25:54.30	1.2605E+01
1991/07/19	12:30:54.30	1.2654E+01
1991/07/19	12:35:54.30	1.2702E+01
1991/07/19	12:40:54.30	1.2750E+01
1991/07/19	12:45:54.30	1.2795E+01
1991/07/19	12:50:54.30	1.2835E+01
1991/07/19	12:55:54.30	1.2881E+01
1991/07/19	13:00:54.30	1.2926E+01
1991/07/19	13:05:54.30	1.2965E+01
1991/07/19	13:10:54.30	1.3005E+01
1991/07/19	13:15:54.30	1.3043E+01
1991/07/19	13:20:54.30	1.3077E+01
1991/07/19	13:25:54.30	1.3112E+01
1991/07/19	13:30:54.30	1.3144E+01
1991/07/19	13:35:54.30	1.3173E+01
1991/07/19	13:40:54.30	1.3206E+01
1991/07/19	13:45:54.30	1.3233E+01
1991/07/19	13:50:54.30	1.3262E+01

Date	Time	Analog#01 10 psi/W56-ft.....
1991/07/19	13:55:54.30	1.3287E+01
1991/07/19	14:00:54.30	1.3314E+01
1991/07/19	14:05:54.30	1.3340E+01
1991/07/19	14:10:54.30	1.3359E+01
1991/07/19	14:15:54.30	1.3376E+01
1991/07/19	14:20:54.40	1.3397E+01
1991/07/19	14:35:54.30	1.3446E+01
1991/07/19	14:50:54.30	1.3489E+01
1991/07/19	15:05:54.30	1.3528E+01
1991/07/19	15:20:54.30	1.3560E+01
1991/07/19	15:35:54.30	1.3589E+01
1991/07/19	15:50:54.30	1.3613E+01
1991/07/19	16:05:54.30	1.3636E+01
1991/07/19	16:20:54.30	1.3655E+01
1991/07/19	16:35:54.30	1.3672E+01
1991/07/19	16:50:54.30	1.3687E+01
1991/07/19	17:05:54.30	1.3700E+01
1991/07/19	17:20:54.30	1.3711E+01
1991/07/19	17:35:54.30	1.3727E+01
1991/07/19	17:50:54.30	1.3733E+01
1991/07/19	18:05:54.30	1.3740E+01
1991/07/19	18:20:54.40	1.3747E+01
1991/07/19	18:50:54.30	1.3762E+01
1991/07/19	19:20:54.30	1.3773E+01
1991/07/19	19:50:54.40	1.3782E+01
1991/07/19	20:20:54.40	1.3791E+01
1991/07/19	20:50:54.40	1.3801E+01
1991/07/19	21:20:54.40	1.3807E+01
1991/07/19	21:50:54.40	1.3811E+01
1991/07/19	22:20:54.40	1.3815E+01
1991/07/19	22:50:54.40	1.3821E+01
1991/07/19	23:20:54.40	1.3822E+01
1991/07/19	23:50:54.40	1.3825E+01
1991/07/20	00:20:54.40	1.3828E+01
1991/07/20	00:50:54.40	1.3838E+01
1991/07/20	01:20:54.40	1.3846E+01
1991/07/20	01:50:54.40	1.3854E+01
1991/07/20	02:20:54.40	1.3856E+01
1991/07/20	03:20:54.40	1.3861E+01
1991/07/20	04:20:54.40	1.3861E+01
1991/07/20	05:20:54.40	1.3863E+01
1991/07/20	06:20:54.40	1.3864E+01
1991/07/20	07:20:54.40	1.3850E+01
1991/07/20	08:20:54.40	1.3827E+01
1991/07/20	09:20:54.40	1.3805E+01
1991/07/20	10:20:54.40	1.3786E+01
1991/07/20	11:20:54.40	1.3792E+01
1991/07/20	12:20:54.40	1.3795E+01
1991/07/20	13:20:54.30	1.3782E+01
1991/07/20	14:20:54.30	1.3775E+01
1991/07/20	15:20:54.30	1.3776E+01
1991/07/20	16:20:54.30	1.3786E+01
1991/07/20	17:20:54.30	1.3792E+01
1991/07/20	18:20:54.30	1.3807E+01

Date	Time	Analog#01 10 psi/W56-ft.....
1991/07/20	19:20:54.40	1.3817E+01
1991/07/20	20:20:54.40	1.3821E+01
1991/07/20	21:20:54.40	1.3827E+01
1991/07/20	22:20:54.40	1.3833E+01
1991/07/20	23:20:54.40	1.3834E+01
1991/07/21	00:20:54.40	1.3838E+01
1991/07/21	01:20:54.40	1.3841E+01
1991/07/21	02:20:54.40	1.3853E+01
1991/07/21	03:20:54.40	1.3864E+01
1991/07/21	04:20:54.40	1.3873E+01
1991/07/21	05:20:54.40	1.3864E+01
1991/07/21	06:20:54.40	1.3850E+01
1991/07/21	07:20:54.40	1.3841E+01
1991/07/21	08:20:54.40	1.3837E+01
1991/07/21	09:20:54.40	1.3814E+01
1991/07/21	10:20:54.40	1:3792E+01
1991/07/21	11:20:54.30	1.3775E+01
1991/07/21	12:20:54.30	1.3762E+01
1991/07/21	13:20:54.30	1.3759E+01
1991/07/21	14:20:54.30	1.3763E+01
1991/07/21	15:20:54.30	1.3778E+01
1991/07/21	16:20:54.30	1.3789E+01
1991/07/21	17:20:54.30	1.3805E+01
1991/07/21	18:20:54.30	1.3815E+01
1991/07/21	19:20:54.30	1.3822E+01
1991/07/21	20:20:54.40	1.3828E+01
1991/07/21	21:20:54.40	1.3838E+01
1991/07/21	22:20:54.40	1.3840E+01
1991/07/21	23:20:54.40	1.3846E+01
1991/07/22	00:20:54.40	1.3856E+01
1991/07/22	01:20:54.40	1.3866E+01
1991/07/22	02:20:54.40	1.3874E+01
1991/07/22	03:20:54.40	1.3880E+01
1991/07/22	04:20:54.40	1.3885E+01
1991/07/22	05:20:54.40	1.3885E+01
1991/07/22	06:20:54.40	1.3879E+01
1991/07/22	07:20:54.40	1.3872E+01
1991/07/22	08:20:54.40	1.3864E+01

STEP-DRAWDOWN TEST 4

DATA

 Terra8 Data File --> D:\TEM\SITE9\STEP4.HEX

STEP TEST 4

Date	Time	Analog#01 10 psi/FP9-ft.....
1991/07/26	10:56:40.60	8.2409E+00
1991/07/26	10:56:41.30	8.2395E+00
1991/07/26	10:56:42.40	8.2409E+00
1991/07/26	10:56:44.10	8.2395E+00
1991/07/26	10:56:44.40	8.2395E+00
1991/07/26	10:56:45.40	8.2395E+00
1991/07/26	10:56:46.40	8.2395E+00
1991/07/26	10:56:47.40	8.2395E+00
1991/07/26	10:56:48.40	8.2395E+00
1991/07/26	10:56:50.10	8.2395E+00
1991/07/26	10:56:50.40	8.2380E+00
1991/07/26	10:56:51.40	8.2395E+00
1991/07/26	10:56:52.40	8.2395E+00
1991/07/26	10:56:53.40	8.2380E+00
1991/07/26	10:56:55.10	8.2395E+00
1991/07/26	10:56:55.40	8.2380E+00
1991/07/26	10:56:56.40	8.2380E+00
1991/07/26	10:56:57.40	8.2380E+00
1991/07/26	10:56:58.40	8.2380E+00
1991/07/26	10:56:59.40	8.2395E+00
1991/07/26	10:57:01.10	8.2380E+00
1991/07/26	10:57:01.40	8.2380E+00
1991/07/26	10:57:02.40	8.2380E+00
1991/07/26	10:57:03.40	8.2366E+00
1991/07/26	10:57:04.40	8.2380E+00
1991/07/26	10:57:06.10	8.2380E+00
1991/07/26	10:57:06.40	8.2366E+00
1991/07/26	10:57:07.40	8.2395E+00
1991/07/26	10:57:08.40	8.2380E+00
1991/07/26	10:57:09.40	8.2366E+00
1991/07/26	10:57:10.40	8.2366E+00
1991/07/26	10:57:12.40	8.2366E+00
1991/07/26	10:57:14.40	8.2366E+00
1991/07/26	10:57:16.40	8.2366E+00
1991/07/26	10:57:18.40	8.2380E+00
1991/07/26	10:57:20.40	8.2380E+00
1991/07/26	10:57:22.40	8.2366E+00
1991/07/26	10:57:24.40	8.2366E+00
1991/07/26	10:57:26.40	8.2380E+00
1991/07/26	10:57:28.40	8.2366E+00
1991/07/26	10:57:30.40	8.2366E+00
1991/07/26	10:57:32.40	8.2380E+00
1991/07/26	10:57:34.40	8.2366E+00
1991/07/26	10:57:36.40	8.2366E+00
1991/07/26	10:57:38.40	8.2380E+00
1991/07/26	10:57:40.40	8.2380E+00
1991/07/26	10:57:45.40	8.2395E+00
1991/07/26	10:57:50.40	8.2395E+00
1991/07/26	10:57:55.40	8.2395E+00
1991/07/26	10:58:00.40	8.2395E+00
1991/07/26	10:58:05.40	8.2380E+00
1991/07/26	10:58:10.40	8.2395E+00
1991/07/26	10:58:15.40	8.2380E+00

Pretest

Date	Time	Analog#01 10 psi/FP9-ft.....	
1991/07/26	10:58:20.40	8.2395E+00	
1991/07/26	10:58:25.40	8.2395E+00	
1991/07/26	10:58:30.40	8.2395E+00	
1991/07/26	10:58:35.40	8.2380E+00	
1991/07/26	11:09:56.70	8.2395E+00	
1991/07/26	11:09:58.40	7.8468E+00	Start pump step 1 0.5 gpm
1991/07/26	11:09:59.40	7.9002E+00	
1991/07/26	11:10:01.10	8.0532E+00	
1991/07/26	11:10:01.40	8.0749E+00	
1991/07/26	11:10:02.40	8.0489E+00	
1991/07/26	11:10:03.40	8.0836E+00	
1991/07/26	11:10:04.40	8.0677E+00	
1991/07/26	11:10:06.10	8.0763E+00	
1991/07/26	11:10:06.40	8.0734E+00	
1991/07/26	11:10:07.40	8.0720E+00	
1991/07/26	11:10:08.40	8.0778E+00	
1991/07/26	11:10:09.40	8.0821E+00	
1991/07/26	11:10:10.40	8.0965E+00	
1991/07/26	11:10:12.10	8.1038E+00	
1991/07/26	11:10:12.40	8.0965E+00	
1991/07/26	11:10:13.40	8.1095E+00	
1991/07/26	11:10:14.40	8.1153E+00	
1991/07/26	11:10:15.40	8.1139E+00	
1991/07/26	11:10:17.10	8.1196E+00	
1991/07/26	11:10:17.40	8.1038E+00	
1991/07/26	11:10:18.40	8.1124E+00	
1991/07/26	11:10:19.40	8.1153E+00	
1991/07/26	11:10:20.40	8.1067E+00	
1991/07/26	11:10:21.40	8.1168E+00	
1991/07/26	11:10:23.10	8.1326E+00	
1991/07/26	11:10:23.40	8.1153E+00	
1991/07/26	11:10:24.40	8.1225E+00	
1991/07/26	11:10:25.40	8.1370E+00	
1991/07/26	11:10:26.40	8.1211E+00	
1991/07/26	11:10:28.10	8.1384E+00	
1991/07/26	11:10:29.40	8.1067E+00	
1991/07/26	11:10:31.40	8.1153E+00	
1991/07/26	11:10:33.40	2.3653E+01	
1991/07/26	11:10:35.40	8.0994E+00	
1991/07/26	11:10:37.40	8.0778E+00	
1991/07/26	11:10:39.40	8.0836E+00	
1991/07/26	11:10:41.40	8.0677E+00	
1991/07/26	11:10:43.40	8.0576E+00	
1991/07/26	11:10:45.40	8.0619E+00	
1991/07/26	11:10:47.40	8.0532E+00	
1991/07/26	11:10:49.40	8.0374E+00	
1991/07/26	11:10:51.40	8.0503E+00	
1991/07/26	11:10:53.40	8.0200E+00	
1991/07/26	11:10:55.40	8.0143E+00	
1991/07/26	11:10:57.40	8.0070E+00	
1991/07/26	11:11:02.40	8.0200E+00	
1991/07/26	11:11:07.40	7.9883E+00	
1991/07/26	11:11:12.40	7.9883E+00	
1991/07/26	11:11:17.40	7.9782E+00	

Date	Time	Analog#01 10 psi/FP9-ft.....
1991/07/26	11:11:22.40	7.9724E+00
1991/07/26	11:11:27.40	7.9695E+00
1991/07/26	11:11:32.40	7.9464E+00
1991/07/26	11:11:37.40	7.9608E+00
1991/07/26	11:11:42.40	7.9276E+00
1991/07/26	11:11:47.40	7.9320E+00
1991/07/26	11:11:52.40	7.9334E+00
1991/07/26	11:11:57.40	7.9074E+00
1991/07/26	11:12:02.40	7.8973E+00
1991/07/26	11:12:07.40	7.9002E+00
1991/07/26	11:12:12.40	7.8886E+00
1991/07/26	11:12:17.40	7.8930E+00
1991/07/26	11:12:22.40	7.8858E+00
1991/07/26	11:12:27.40	7.8814E+00
1991/07/26	11:12:32.40	7.8583E+00
1991/07/26	11:12:37.40	7.8699E+00
1991/07/26	11:12:42.40	7.8554E+00
1991/07/26	11:12:47.40	7.8482E+00
1991/07/26	11:12:52.40	7.8352E+00
1991/07/26	11:12:57.40	7.8338E+00
1991/07/26	11:13:02.40	7.8396E+00
1991/07/26	11:13:07.40	7.8381E+00
1991/07/26	11:13:12.40	7.8179E+00
1991/07/26	11:13:17.40	7.7991E+00
1991/07/26	11:13:22.40	7.8150E+00
1991/07/26	11:13:27.40	7.8092E+00
1991/07/26	11:13:32.40	7.8165E+00
1991/07/26	11:13:37.40	7.7991E+00
1991/07/26	11:13:42.40	7.7833E+00
1991/07/26	11:13:47.40	7.7775E+00
1991/07/26	11:13:52.40	7.7674E+00
1991/07/26	11:13:57.40	7.7602E+00
1991/07/26	11:14:02.40	7.7544E+00
1991/07/26	11:14:07.40	7.7399E+00
1991/07/26	11:14:12.40	7.7269E+00
1991/07/26	11:14:17.40	7.7154E+00
1991/07/26	11:14:22.40	7.7226E+00
1991/07/26	11:14:27.40	7.6981E+00
1991/07/26	11:14:32.40	7.7096E+00
1991/07/26	11:14:37.40	7.6995E+00
1991/07/26	11:14:42.40	7.6822E+00
1991/07/26	11:14:47.40	7.6894E+00
1991/07/26	11:14:52.40	7.6836E+00
1991/07/26	11:14:57.40	7.6706E+00
1991/07/26	11:15:27.40	7.6432E+00
1991/07/26	11:15:57.40	7.5912E+00
1991/07/26	11:16:27.40	7.5855E+00
1991/07/26	11:16:57.40	7.5537E+00
1991/07/26	11:17:27.40	7.5089E+00
1991/07/26	11:17:57.40	7.4887E+00
1991/07/26	11:18:27.40	7.4931E+00
1991/07/26	11:18:57.40	7.4483E+00
1991/07/26	11:19:27.40	7.4411E+00
1991/07/26	11:19:57.40	7.4266E+00

Date	Time	Analog#01 10 psi/FP9-ft.....
1991/07/26	11:20:27.40	7.4093E+00
1991/07/26	11:20:57.40	7.3732E+00
1991/07/26	11:21:27.40	7.3862E+00
1991/07/26	11:21:57.40	7.3545E+00
1991/07/26	11:22:27.40	7.3530E+00
1991/07/26	11:22:57.40	7.3241E+00
1991/07/26	11:23:27.40	7.3386E+00
1991/07/26	11:23:57.40	7.3169E+00
1991/07/26	11:24:27.40	7.3227E+00
1991/07/26	11:24:57.40	7.2837E+00
1991/07/26	11:25:27.40	7.2823E+00
1991/07/26	11:25:57.40	7.2823E+00
1991/07/26	11:26:27.40	7.2649E+00
1991/07/26	11:26:57.40	7.2534E+00
1991/07/26	11:27:27.40	7.2418E+00
1991/07/26	11:27:57.40	7.2476E+00
1991/07/26	11:28:27.40	7.2476E+00
1991/07/26	11:28:57.40	7.2404E+00
1991/07/26	11:29:27.40	7.2346E+00
1991/07/26	11:29:57.40	7.2303E+00
1991/07/26	11:30:57.40	7.2159E+00
1991/07/26	11:31:57.40	7.2101E+00
1991/07/26	11:32:57.40	7.1754E+00
1991/07/26	11:33:57.40	7.1711E+00
1991/07/26	11:34:57.40	7.1740E+00
1991/07/26	11:35:57.40	7.1480E+00
1991/07/26	11:36:57.40	7.1682E+00
1991/07/26	11:37:57.40	7.1379E+00
1991/07/26	11:38:57.40	7.1422E+00
1991/07/26	11:39:57.40	7.1466E+00
1991/07/26	11:41:57.40	7.1134E+00
1991/07/26	11:43:57.40	7.0960E+00
1991/07/26	11:45:57.40	7.1018E+00
1991/07/26	11:47:57.40	7.0946E+00
1991/07/26	11:49:57.40	7.0744E+00
1991/07/26	11:51:57.40	7.0758E+00
1991/07/26	11:53:57.40	7.0729E+00
1991/07/26	11:55:57.40	7.0556E+00
1991/07/26	11:57:57.40	7.0397E+00
1991/07/26	11:59:57.40	7.0643E+00
1991/07/26	12:01:57.40	7.0469E+00
1991/07/26	12:03:57.40	7.0339E+00
1991/07/26	12:05:57.40	7.0542E+00
1991/07/26	12:07:57.40	7.0426E+00
1991/07/26	12:09:57.40	7.0282E+00
1991/07/26	12:14:57.40	7.0339E+00
1991/07/26	12:19:57.40	7.0210E+00
1991/07/26	12:24:57.40	7.0195E+00
1991/07/26	12:29:57.40	7.0166E+00
1991/07/26	12:34:57.40	6.9906E+00
1991/07/26	12:39:57.40	6.9935E+00
1991/07/26	12:41:43.80	6.9820E+00
1991/07/26	12:41:45.40	6.9791E+00
1991/07/26	12:41:46.40	6.9762E+00

Step 2 0.9 gpm

Date	Time	Analog#01 10 psi/FP9-ft.....
1991/07/26	12:41:48.10	6.9805E+00
1991/07/26	12:41:48.40	6.9791E+00
1991/07/26	12:41:49.40	6.9531E+00
1991/07/26	12:41:50.40	6.9387E+00
1991/07/26	12:41:51.40	6.9300E+00
1991/07/26	12:41:53.10	6.9213E+00
1991/07/26	12:41:53.40	6.9372E+00
1991/07/26	12:41:54.40	6.9141E+00
1991/07/26	12:41:55.40	6.8982E+00
1991/07/26	12:41:56.40	6.9026E+00
1991/07/26	12:41:57.40	6.8795E+00
1991/07/26	12:41:59.10	6.8679E+00
1991/07/26	12:41:59.40	6.8824E+00
1991/07/26	12:42:00.40	6.8722E+00
1991/07/26	12:42:01.40	6.8795E+00
1991/07/26	12:42:02.40	6.8679E+00
1991/07/26	12:42:04.10	6.8607E+00
1991/07/26	12:42:04.40	6.8434E+00
1991/07/26	12:42:05.40	6.8463E+00
1991/07/26	12:42:06.40	6.8448E+00
1991/07/26	12:42:07.40	6.8347E+00
1991/07/26	12:42:08.40	6.8463E+00
1991/07/26	12:42:10.10	6.8203E+00
1991/07/26	12:42:10.40	6.8246E+00
1991/07/26	12:42:11.40	6.8419E+00
1991/07/26	12:42:12.40	6.8376E+00
1991/07/26	12:42:13.40	6.8116E+00
1991/07/26	12:42:15.10	6.8029E+00
1991/07/26	12:42:16.40	6.7914E+00
1991/07/26	12:42:18.40	6.7943E+00
1991/07/26	12:42:20.40	6.7842E+00
1991/07/26	12:42:22.40	6.7784E+00
1991/07/26	12:42:24.40	6.7856E+00
1991/07/26	12:42:26.40	6.7669E+00
1991/07/26	12:42:28.40	6.7827E+00
1991/07/26	12:42:30.40	6.7524E+00
1991/07/26	12:42:32.40	6.7640E+00
1991/07/26	12:42:34.40	6.7567E+00
1991/07/26	12:42:36.40	6.7322E+00
1991/07/26	12:42:38.40	6.7394E+00
1991/07/26	12:42:40.40	6.7221E+00
1991/07/26	12:42:42.40	6.7192E+00
1991/07/26	12:42:44.40	6.7221E+00
1991/07/26	12:42:49.40	6.7163E+00
1991/07/26	12:42:54.40	6.7033E+00
1991/07/26	12:42:59.40	6.6759E+00
1991/07/26	12:43:04.40	6.6658E+00
1991/07/26	12:43:09.40	6.6571E+00
1991/07/26	12:43:14.40	6.6514E+00
1991/07/26	12:43:19.40	6.6369E+00
1991/07/26	12:43:24.40	6.6326E+00
1991/07/26	12:43:29.40	6.6239E+00
1991/07/26	12:43:34.40	6.6109E+00
1991/07/26	12:43:39.40	6.5994E+00

Date	Time	Analog#01 10 psi/FP9-ft.....
1991/07/26	12:43:44.40	6.6066E+00
1991/07/26	12:43:49.40	6.5878E+00
1991/07/26	12:43:54.40	6.5821E+00
1991/07/26	12:43:59.40	6.5878E+00
1991/07/26	12:44:04.40	6.5719E+00
1991/07/26	12:44:09.40	6.5748E+00
1991/07/26	12:44:14.40	6.5719E+00
1991/07/26	12:44:19.40	6.5416E+00
1991/07/26	12:44:24.40	6.5402E+00
1991/07/26	12:44:29.40	6.5503E+00
1991/07/26	12:44:34.40	6.5344E+00
1991/07/26	12:44:39.40	6.5156E+00
1991/07/26	12:44:44.40	6.5200E+00
1991/07/26	12:44:49.40	6.5041E+00
1991/07/26	12:44:54.40	6.5055E+00
1991/07/26	12:44:59.40	6.4839E+00
1991/07/26	12:45:04.40	6.4795E+00
1991/07/26	12:45:09.40	6.4882E+00
1991/07/26	12:45:14.40	6.4637E+00
1991/07/26	12:45:19.40	6.4767E+00
1991/07/26	12:45:24.40	6.4680E+00
1991/07/26	12:45:29.40	6.4550E+00
1991/07/26	12:45:34.40	6.4564E+00
1991/07/26	12:45:39.40	6.4521E+00
1991/07/26	12:45:44.40	6.4362E+00
1991/07/26	12:45:49.40	6.4449E+00
1991/07/26	12:45:54.40	6.4333E+00
1991/07/26	12:45:59.40	6.4131E+00
1991/07/26	12:46:04.40	6.3973E+00
1991/07/26	12:46:09.40	6.4088E+00
1991/07/26	12:46:14.40	6.4117E+00
1991/07/26	12:46:19.40	6.3828E+00
1991/07/26	12:46:24.40	6.3799E+00
1991/07/26	12:46:29.40	6.3973E+00
1991/07/26	12:46:34.40	6.3929E+00
1991/07/26	12:46:39.40	6.3799E+00
1991/07/26	12:46:44.40	6.3669E+00
1991/07/26	12:47:14.40	6.3409E+00
1991/07/26	12:47:44.40	6.2933E+00
1991/07/26	12:48:14.40	6.2832E+00
1991/07/26	12:48:44.40	6.2702E+00
1991/07/26	12:49:14.40	6.2471E+00
1991/07/26	12:49:44.40	6.2038E+00
1991/07/26	12:50:14.40	6.1922E+00
1991/07/26	12:50:44.40	6.1850E+00
1991/07/26	12:51:14.40	6.1648E+00
1991/07/26	12:51:44.40	6.1201E+00
1991/07/26	12:52:14.40	6.1258E+00
1991/07/26	12:52:44.40	6.0926E+00
1991/07/26	12:53:14.40	6.0854E+00
1991/07/26	12:53:44.40	6.0652E+00
1991/07/26	12:54:14.40	6.0508E+00
1991/07/26	12:54:44.40	6.0392E+00
1991/07/26	12:55:14.40	6.0493E+00

Date	Time	Analog#01 10 psi/FP9-ft.....	
1991/07/26	12:55:44.40	6.0406E+00	
1991/07/26	12:56:14.40	6.0204E+00	
1991/07/26	12:56:44.40	6.0175E+00	
1991/07/26	12:57:14.40	5.9988E+00	
1991/07/26	12:57:44.40	5.9829E+00	
1991/07/26	12:58:14.40	5.9944E+00	
1991/07/26	12:58:44.40	5.9757E+00	
1991/07/26	12:59:14.40	5.9612E+00	
1991/07/26	12:59:44.40	5.9627E+00	
1991/07/26	13:00:14.40	5.9511E+00	
1991/07/26	13:00:44.40	5.9497E+00	
1991/07/26	13:01:14.40	5.9511E+00	
1991/07/26	13:01:44.40	5.9381E+00	
1991/07/26	13:02:44.30	5.9353E+00	
1991/07/26	13:03:44.40	5.9035E+00	
1991/07/26	13:04:44.40	5.9179E+00	
1991/07/26	13:05:44.40	5.8804E+00	
1991/07/26	13:06:44.40	5.8746E+00	
1991/07/26	13:07:44.40	5.8818E+00	
1991/07/26	13:08:44.40	5.8515E+00	
1991/07/26	13:09:44.40	5.8674E+00	
1991/07/26	13:10:44.40	5.8313E+00	
1991/07/26	13:11:44.40	5.8313E+00	
1991/07/26	13:13:44.40	5.8327E+00	
1991/07/26	13:15:44.40	5.8169E+00	
1991/07/26	13:17:44.30	5.8111E+00	
1991/07/26	13:19:44.40	5.7938E+00	
1991/07/26	13:21:44.40	5.7692E+00	
1991/07/26	13:23:44.40	5.7476E+00	
1991/07/26	13:25:44.30	5.7533E+00	
1991/07/26	13:27:44.40	5.7562E+00	
1991/07/26	13:29:44.40	5.7490E+00	
1991/07/26	13:31:44.40	5.7432E+00	
1991/07/26	13:33:44.40	5.7331E+00	
1991/07/26	13:35:44.40	5.7259E+00	
1991/07/26	13:37:44.40	5.7100E+00	
1991/07/26	13:39:44.40	5.7187E+00	
1991/07/26	13:41:44.40	5.6970E+00	
1991/07/26	13:46:44.40	5.6725E+00	
1991/07/26	13:51:44.40	5.6710E+00	
1991/07/26	13:56:44.30	5.6638E+00	
1991/07/26	14:01:44.40	5.6465E+00	
1991/07/26	14:06:44.40	5.6306E+00	
1991/07/26	14:11:44.40	5.6422E+00	
1991/07/26	14:13:43.90	5.6393E+00	
1991/07/26	14:13:45.40	5.6306E+00	Step 3 1.3 gpm
1991/07/26	14:13:46.40	5.6364E+00	
1991/07/26	14:13:47.40	5.6133E+00	
1991/07/26	14:13:49.10	5.6191E+00	
1991/07/26	14:13:49.40	5.6364E+00	
1991/07/26	14:13:50.40	5.6292E+00	
1991/07/26	14:13:51.40	5.6234E+00	
1991/07/26	14:13:52.40	5.5916E+00	
1991/07/26	14:13:53.40	5.6003E+00	

Date	Time	Analog#01 10 psi/FP9-ft.....
1991/07/26	14:13:55.10	5.6075E+00
1991/07/26	14:13:55.40	5.5873E+00
1991/07/26	14:13:56.40	5.5830E+00
1991/07/26	14:13:57.40	5.5729E+00
1991/07/26	14:13:58.40	5.5888E+00
1991/07/26	14:14:00.10	5.5700E+00
1991/07/26	14:14:00.40	5.5844E+00
1991/07/26	14:14:01.40	5.5801E+00
1991/07/26	14:14:02.40	5.5657E+00
1991/07/26	14:14:03.40	5.5613E+00
1991/07/26	14:14:04.40	5.5743E+00
1991/07/26	14:14:06.10	5.5440E+00
1991/07/26	14:14:06.40	5.5426E+00
1991/07/26	14:14:07.40	5.5555E+00
1991/07/26	14:14:08.40	5.5324E+00
1991/07/26	14:14:09.40	5.5411E+00
1991/07/26	14:14:11.10	5.5454E+00
1991/07/26	14:14:11.40	5.5223E+00
1991/07/26	14:14:12.40	5.5397E+00
1991/07/26	14:14:13.40	5.5180E+00
1991/07/26	14:14:14.40	5.5324E+00
1991/07/26	14:14:16.40	5.5252E+00
1991/07/26	14:14:18.40	5.5267E+00
1991/07/26	14:14:20.40	5.5036E+00
1991/07/26	14:14:22.40	5.5108E+00
1991/07/26	14:14:24.40	5.4935E+00
1991/07/26	14:14:26.40	5.4949E+00
1991/07/26	14:14:28.40	5.4704E+00
1991/07/26	14:14:30.40	5.4848E+00
1991/07/26	14:14:32.40	5.4660E+00
1991/07/26	14:14:34.40	5.4473E+00
1991/07/26	14:14:36.40	5.4487E+00
1991/07/26	14:14:38.40	5.4660E+00
1991/07/26	14:14:40.40	5.4588E+00
1991/07/26	14:14:42.40	5.4617E+00
1991/07/26	14:14:44.40	5.4444E+00
1991/07/26	14:14:49.40	5.4271E+00
1991/07/26	14:14:54.40	5.4198E+00
1991/07/26	14:14:59.40	5.4112E+00
1991/07/26	14:15:04.40	5.4169E+00
1991/07/26	14:15:09.40	5.4054E+00
1991/07/26	14:15:14.40	5.3794E+00
1991/07/26	14:15:19.40	5.3837E+00
1991/07/26	14:15:24.40	5.3866E+00
1991/07/26	14:15:29.40	5.3549E+00
1991/07/26	14:15:34.40	5.3650E+00
1991/07/26	14:15:39.40	5.3491E+00
1991/07/26	14:15:44.40	5.3491E+00
1991/07/26	14:15:49.40	5.3419E+00
1991/07/26	14:15:54.40	5.3116E+00
1991/07/26	14:15:59.40	5.2986E+00
1991/07/26	14:16:04.40	5.2957E+00
1991/07/26	14:16:09.40	5.2942E+00
1991/07/26	14:16:14.40	5.2870E+00

Date	Time	Analog#01 10 psi/FP9-ft.....
1991/07/26	14:16:19.40	5.2726E+00
1991/07/26	14:16:24.40	5.2913E+00
1991/07/26	14:16:29.40	5.2654E+00
1991/07/26	14:16:34.40	5.2552E+00
1991/07/26	14:16:39.40	5.2697E+00
1991/07/26	14:16:44.40	5.2567E+00
1991/07/26	14:16:49.40	5.2466E+00
1991/07/26	14:16:54.40	5.2394E+00
1991/07/26	14:16:59.40	5.2336E+00
1991/07/26	14:17:04.40	5.2076E+00
1991/07/26	14:17:09.40	5.2076E+00
1991/07/26	14:17:14.40	5.2235E+00
1991/07/26	14:17:19.40	5.2004E+00
1991/07/26	14:17:24.40	5.1903E+00
1991/07/26	14:17:29.40	5.1802E+00
1991/07/26	14:17:34.40	5.1744E+00
1991/07/26	14:17:39.40	5.1643E+00
1991/07/26	14:17:44.40	5.1484E+00
1991/07/26	14:17:49.40	5.1686E+00
1991/07/26	14:17:54.40	5.1412E+00
1991/07/26	14:17:59.40	5.1383E+00
1991/07/26	14:18:04.40	5.1412E+00
1991/07/26	14:18:09.40	5.1166E+00
1991/07/26	14:18:14.40	5.1094E+00
1991/07/26	14:18:19.40	5.1123E+00
1991/07/26	14:18:24.40	5.1181E+00
1991/07/26	14:18:29.40	5.0863E+00
1991/07/26	14:18:34.40	5.0964E+00
1991/07/26	14:18:39.40	5.0748E+00
1991/07/26	14:18:44.40	5.0791E+00
1991/07/26	14:19:14.40	5.0459E+00
1991/07/26	14:19:44.40	5.0286E+00
1991/07/26	14:20:14.40	4.9752E+00
1991/07/26	14:20:44.40	4.9521E+00
1991/07/26	14:21:14.40	4.9087E+00
1991/07/26	14:21:44.40	4.9015E+00
1991/07/26	14:22:14.40	4.8755E+00
1991/07/26	14:22:44.40	4.8553E+00
1991/07/26	14:23:14.40	4.8236E+00
1991/07/26	14:23:44.40	4.7932E+00
1991/07/26	14:24:14.40	4.7875E+00
1991/07/26	14:24:44.40	4.7572E+00
1991/07/26	14:25:14.40	4.7456E+00
1991/07/26	14:25:44.40	4.7196E+00
1991/07/26	14:26:14.40	4.7153E+00
1991/07/26	14:26:44.40	4.6936E+00
1991/07/26	14:27:14.40	4.6749E+00
1991/07/26	14:27:44.40	4.6532E+00
1991/07/26	14:28:14.40	4.6546E+00
1991/07/26	14:28:44.40	4.6445E+00
1991/07/26	14:29:14.40	4.6099E+00
1991/07/26	14:29:44.40	4.6128E+00
1991/07/26	14:30:14.40	4.6113E+00
1991/07/26	14:30:44.40	4.6012E+00

Date	Time	Analog#01 10 psi/FP9-ft.....
1991/07/26	14:31:14.40	4.5839E+00
1991/07/26	14:31:44.40	4.5825E+00
1991/07/26	14:32:14.40	4.5565E+00
1991/07/26	14:32:44.40	4.5478E+00
1991/07/26	14:33:14.40	4.5565E+00
1991/07/26	14:33:44.40	4.5536E+00
1991/07/26	14:34:44.40	4.5132E+00
1991/07/26	14:35:44.40	4.5204E+00
1991/07/26	14:36:44.40	4.4958E+00
1991/07/26	14:37:44.40	4.4857E+00
1991/07/26	14:38:44.40	4.4670E+00
1991/07/26	14:39:44.40	4.4511E+00
1991/07/26	14:40:44.40	4.4467E+00
1991/07/26	14:41:44.40	4.4265E+00
1991/07/26	14:42:44.40	4.4251E+00
1991/07/26	14:43:44.40	4.4049E+00
1991/07/26	14:45:44.40	4.3861E+00
1991/07/26	14:47:44.40	4.3630E+00
1991/07/26	14:49:44.40	4.3543E+00
1991/07/26	14:51:44.40	4.3269E+00
1991/07/26	14:53:44.40	4.3312E+00
1991/07/26	14:55:44.40	4.3096E+00
1991/07/26	14:57:44.40	4.2966E+00
1991/07/26	14:59:44.40	4.2793E+00
1991/07/26	15:01:44.40	4.2793E+00
1991/07/26	15:03:44.40	4.2619E+00
1991/07/26	15:05:44.40	4.2518E+00
1991/07/26	15:07:44.40	4.2259E+00
1991/07/26	15:09:44.40	4.2360E+00
1991/07/26	15:11:44.40	4.2244E+00
1991/07/26	15:13:44.40	4.2028E+00
1991/07/26	15:18:44.40	4.1869E+00
1991/07/26	15:23:44.40	4.1681E+00
1991/07/26	15:28:44.40	4.1479E+00
1991/07/26	15:33:44.40	4.1104E+00
1991/07/26	15:38:44.40	4.1176E+00
1991/07/26	15:43:44.40	4.1017E+00
1991/07/26	15:48:44.20	4.0555E+00
1991/07/26	15:48:45.40	4.0584E+00
1991/07/26	15:48:46.40	4.0786E+00
1991/07/26	15:48:47.40	4.0786E+00
1991/07/26	15:48:49.10	4.0771E+00
1991/07/26	15:48:49.40	4.0295E+00
1991/07/26	15:48:50.40	4.0064E+00
1991/07/26	15:48:51.40	3.9602E+00
1991/07/26	15:48:52.40	3.9371E+00
1991/07/26	15:48:54.10	3.9313E+00
1991/07/26	15:48:54.40	3.9342E+00
1991/07/26	15:48:55.40	3.9284E+00
1991/07/26	15:48:56.40	3.9270E+00
1991/07/26	15:48:57.40	3.9515E+00
1991/07/26	15:48:58.40	3.9602E+00
1991/07/26	15:49:00.10	3.9544E+00
1991/07/26	15:49:00.40	3.9588E+00

Step 4 2.2 gpm

Date	Time	Analog#01 10 psi/FP9-ft.....
1991/07/26	15:49:01.40	3.9501E+00
1991/07/26	15:49:02.40	3.9674E+00
1991/07/26	15:49:03.40	3.9616E+00
1991/07/26	15:49:05.10	3.9588E+00
1991/07/26	15:49:05.40	3.9761E+00
1991/07/26	15:49:06.40	3.9819E+00
1991/07/26	15:49:07.40	3.9718E+00
1991/07/26	15:49:08.40	3.9645E+00
1991/07/26	15:49:09.40	3.9746E+00
1991/07/26	15:49:11.10	3.9819E+00
1991/07/26	15:49:11.40	3.9732E+00
1991/07/26	15:49:12.40	3.9645E+00
1991/07/26	15:49:13.40	3.9689E+00
1991/07/26	15:49:14.40	3.9732E+00
1991/07/26	15:49:16.40	3.9718E+00
1991/07/26	15:49:18.40	3.9920E+00
1991/07/26	15:49:20.40	3.9891E+00
1991/07/26	15:49:22.40	3.9819E+00
1991/07/26	15:49:24.40	3.9963E+00
1991/07/26	15:49:26.40	3.9949E+00
1991/07/26	15:49:28.40	3.9905E+00
1991/07/26	15:49:30.40	4.0035E+00
1991/07/26	15:49:32.40	3.9977E+00
1991/07/26	15:49:34.40	3.9992E+00
1991/07/26	15:49:36.40	4.0078E+00
1991/07/26	15:49:38.40	4.0021E+00
1991/07/26	15:49:40.40	3.9804E+00
1991/07/26	15:49:42.40	4.0078E+00
1991/07/26	15:49:44.40	3.9992E+00
1991/07/26	15:49:49.40	4.0006E+00
1991/07/26	15:49:54.40	3.9992E+00
1991/07/26	15:49:59.40	3.9862E+00
1991/07/26	15:50:04.40	3.9963E+00
1991/07/26	15:50:09.40	4.0078E+00
1991/07/26	15:50:14.40	4.0050E+00
1991/07/26	15:50:19.40	3.9891E+00
1991/07/26	15:50:24.40	3.9963E+00
1991/07/26	15:50:29.40	3.9963E+00
1991/07/26	15:50:34.40	4.0006E+00
1991/07/26	15:50:39.40	3.9949E+00
1991/07/26	15:50:44.40	3.9963E+00
1991/07/26	15:50:49.40	3.9949E+00
1991/07/26	15:50:54.40	3.9977E+00
1991/07/26	15:50:59.40	4.0021E+00
1991/07/26	15:51:04.40	3.9934E+00
1991/07/26	15:51:09.40	3.9934E+00
1991/07/26	15:51:14.40	3.9977E+00
1991/07/26	15:51:19.40	4.0006E+00
1991/07/26	15:51:24.40	4.0006E+00
1991/07/26	15:51:29.40	3.9790E+00
1991/07/26	15:51:34.40	3.9949E+00
1991/07/26	15:51:39.40	3.9905E+00
1991/07/26	15:51:44.40	3.9949E+00
1991/07/26	15:51:49.40	3.9891E+00

Date	Time	Analog#01 10 psi/FP9-ft.....
1991/07/26	15:51:54.40	4.0035E+00
1991/07/26	15:51:59.40	3.9876E+00
1991/07/26	15:52:04.40	3.9761E+00
1991/07/26	15:52:09.40	3.9862E+00
1991/07/26	15:52:14.40	3.9790E+00
1991/07/26	15:52:19.40	3.9862E+00
1991/07/26	15:52:24.40	3.9732E+00
1991/07/26	15:52:29.40	3.9631E+00
1991/07/26	15:52:34.40	3.9819E+00
1991/07/26	15:52:39.40	3.9746E+00
1991/07/26	15:52:44.40	3.9833E+00
1991/07/26	15:52:49.40	3.9819E+00
1991/07/26	15:52:54.40	3.9689E+00
1991/07/26	15:52:59.40	3.9876E+00
1991/07/26	15:53:04.40	3.9862E+00
1991/07/26	15:53:09.40	3.9819E+00
1991/07/26	15:53:14.40	3.9819E+00
1991/07/26	15:53:19.40	3.9631E+00
1991/07/26	15:53:24.40	3.9920E+00
1991/07/26	15:53:29.40	3.9905E+00
1991/07/26	15:53:34.40	3.9862E+00
1991/07/26	15:53:39.40	3.9631E+00
1991/07/26	15:53:44.40	3.9544E+00
1991/07/26	15:54:14.40	3.6585E+00
1991/07/26	15:54:44.40	3.4405E+00
1991/07/26	15:55:14.40	3.2773E+00
1991/07/26	15:55:44.40	3.1329E+00
1991/07/26	15:56:14.40	3.0189E+00
1991/07/26	15:56:44.40	2.9034E+00
1991/07/26	15:57:14.40	2.7850E+00
1991/07/26	15:57:44.40	2.6825E+00
1991/07/26	15:58:14.40	2.6074E+00
1991/07/26	15:58:44.40	2.5222E+00
1991/07/26	15:59:14.40	2.4428E+00
1991/07/26	15:59:44.40	2.3923E+00
1991/07/26	16:00:14.40	2.3317E+00
1991/07/26	16:00:44.40	2.2551E+00
1991/07/26	16:01:14.40	2.1887E+00
1991/07/26	16:01:44.40	2.1382E+00
1991/07/26	16:02:14.40	2.0978E+00
1991/07/26	16:02:44.40	2.0776E+00
1991/07/26	16:03:14.40	2.0083E+00
1991/07/26	16:03:44.40	1.9678E+00
1991/07/26	16:04:14.40	1.9606E+00
1991/07/26	16:04:44.40	1.9187E+00
1991/07/26	16:05:14.40	1.8567E+00
1991/07/26	16:05:44.40	1.8451E+00
1991/07/26	16:06:14.40	1.8061E+00
1991/07/26	16:06:44.40	1.7888E+00
1991/07/26	16:07:14.40	1.7773E+00
1991/07/26	16:07:44.40	1.7440E+00
1991/07/26	16:08:14.40	1.7224E+00
1991/07/26	16:08:44.40	1.7195E+00
1991/07/26	16:09:44.40	1.6589E+00

Date	Time	Analog#01 10 psi/FP9-ft.....
1991/07/26	16:10:44.40	1.6589E+00
1991/07/26	16:11:44.40	1.6040E+00
1991/07/26	16:12:44.40	1.5910E+00
1991/07/26	16:13:44.40	1.5679E+00
1991/07/26	16:14:44.40	1.5130E+00
1991/07/26	16:15:44.40	1.5145E+00
1991/07/26	16:16:44.40	1.4784E+00
1991/07/26	16:17:44.40	1.4423E+00
1991/07/26	16:18:44.40	1.4481E+00
1991/07/26	16:20:44.40	1.4221E+00
1991/07/26	16:22:44.40	1.3629E+00
1991/07/26	16:24:44.40	1.3311E+00
1991/07/26	16:26:44.40	1.3311E+00
1991/07/26	16:28:44.40	1.2979E+00
1991/07/26	16:30:44.40	1.2864E+00
1991/07/26	16:32:44.40	1.2748E+00
1991/07/26	16:34:44.40	1.2792E+00
1991/07/26	16:36:44.40	1.2647E+00
1991/07/26	16:38:44.40	1.2257E+00
1991/07/26	16:40:44.40	1.2214E+00
1991/07/26	16:42:44.40	1.2099E+00
1991/07/26	16:44:44.40	1.1925E+00
1991/07/26	16:46:44.40	1.1983E+00
1991/07/26	16:48:44.40	1.1377E+00
1991/07/26	16:53:44.40	1.1088E+00
1991/07/26	16:58:44.40	1.0785E+00
1991/07/26	17:03:44.40	1.0424E+00
1991/07/26	17:08:44.40	1.0178E+00
1991/07/26	17:13:44.40	1.0063E+00
1991/07/26	17:18:44.40	9.4999E-01
1991/07/26	17:19:03.40	9.4277E-01
1991/07/26	17:19:04.40	9.4710E-01
1991/07/26	17:19:05.40	9.4854E-01
1991/07/26	17:19:06.40	9.5432E-01
1991/07/26	17:19:08.10	9.6587E-01
1991/07/26	17:19:08.40	9.5143E-01
1991/07/26	17:19:09.40	9.4132E-01
1991/07/26	17:19:10.40	8.8935E-01
1991/07/26	17:19:11.40	8.8357E-01
1991/07/26	17:19:12.40	8.3304E-01
1991/07/26	17:19:14.10	7.9262E-01
1991/07/26	17:19:14.40	7.9117E-01
1991/07/26	17:19:15.40	7.7385E-01
1991/07/26	17:19:16.40	7.6519E-01
1991/07/26	17:19:17.40	7.2476E-01
1991/07/26	17:19:19.10	7.0166E-01
1991/07/26	17:19:19.40	6.7712E-01
1991/07/26	17:19:20.40	6.8289E-01
1991/07/26	17:19:21.40	6.4969E-01
1991/07/26	17:19:22.40	6.1792E-01
1991/07/26	17:19:23.40	6.0204E-01
1991/07/26	17:19:25.10	6.0637E-01
1991/07/26	17:19:25.40	5.6595E-01
1991/07/26	17:19:26.40	5.5873E-01

Step 5 3.4 gpm

Date	Time	Analog#01 10 psi/FP9-ft.....
1991/07/26	17:19:27.40	5.5296E-01
1991/07/26	17:19:28.40	5.3707E-01
1991/07/26	17:19:30.10	4.9665E-01
1991/07/26	17:19:30.40	4.9809E-01
1991/07/26	17:19:31.40	4.7499E-01
1991/07/26	17:19:32.40	4.8510E-01
1991/07/26	17:19:33.40	4.8077E-01
1991/07/26	17:19:35.40	4.3312E-01
1991/07/26	17:19:37.40	4.3168E-01
1991/07/26	17:19:39.40	4.0858E-01
1991/07/26	17:19:41.40	3.8548E-01
1991/07/26	17:19:43.40	3.4361E-01
1991/07/26	17:19:45.40	3.3351E-01
1991/07/26	17:19:47.40	3.0319E-01
1991/07/26	17:19:49.40	2.8009E-01
1991/07/26	17:19:51.40	2.3100E-01
1991/07/26	17:19:53.40	2.1801E-01
1991/07/26	17:19:55.40	2.0357E-01
1991/07/26	17:19:57.40	1.8480E-01
1991/07/26	17:19:59.40	1.5737E-01
1991/07/26	17:20:01.40	1.3860E-01
1991/07/26	17:20:03.40	1.1694E-01
1991/07/26	17:20:08.40	2.3653E+01
1991/07/26	17:20:13.40	4.4756E-02
1991/07/26	17:20:18.40	4.3312E-02
1991/07/26	17:20:23.40	4.6200E-02
1991/07/26	17:20:28.40	4.3312E-02
1991/07/26	17:20:33.40	4.4756E-02
1991/07/26	17:20:38.40	4.4756E-02
1991/07/26	17:20:43.40	2.3653E+01
1991/07/26	17:20:48.40	4.4756E-02
1991/07/26	17:20:53.40	4.3312E-02
1991/07/26	17:20:58.40	4.3312E-02
1991/07/26	17:21:03.40	4.1869E-02
1991/07/26	17:21:08.40	4.1869E-02
1991/07/26	17:21:13.40	4.1869E-02
1991/07/26	17:21:18.40	4.1869E-02
1991/07/26	17:21:23.40	4.1869E-02
1991/07/26	17:21:28.40	4.0425E-02
1991/07/26	17:21:33.40	4.0425E-02
1991/07/26	17:21:38.40	4.1869E-02
1991/07/26	17:21:43.40	2.3653E+01
1991/07/26	17:21:48.40	4.0425E-02
1991/07/26	17:21:53.40	4.0425E-02
1991/07/26	17:21:58.40	4.0425E-02
1991/07/26	17:22:03.40	4.4756E-02
1991/07/26	17:22:08.40	4.4756E-02
1991/07/26	17:22:23.20	4.1869E-02
1991/07/26	17:22:27.30	4.1869E-02
1991/07/26	17:22:27.60	4.0425E-02
1991/07/26	17:22:28.90	4.0425E-02
1991/07/26	17:22:29.30	4.0425E-02
1991/07/26	17:22:29.60	4.0425E-02
1991/07/26	17:22:30.00	4.0425E-02

stop pump

Date	Time	Analog#01 10 psi/FP9-ft.....
1991/07/26	17:22:31.30	4.1869E-02
1991/07/26	17:22:31.60	4.0425E-02
1991/07/26	17:22:32.40	4.0425E-02
1991/07/26	17:22:33.40	4.0425E-02
1991/07/26	17:22:34.40	4.1869E-02
1991/07/26	17:22:35.40	4.1869E-02
1991/07/26	17:22:37.10	4.3312E-02
1991/07/26	17:22:37.40	4.3312E-02
1991/07/26	17:22:38.40	4.1869E-02
1991/07/26	17:22:39.40	4.1869E-02
1991/07/26	17:22:40.40	4.3312E-02
1991/07/26	17:22:42.10	4.3312E-02
1991/07/26	17:22:42.40	4.1869E-02
1991/07/26	17:22:43.40	4.1869E-02
1991/07/26	17:22:44.40	4.0425E-02
1991/07/26	17:22:45.40	4.1869E-02
1991/07/26	17:22:46.40	4.0425E-02
1991/07/26	17:22:48.10	3.8981E-02
1991/07/26	17:22:48.40	3.8981E-02
1991/07/26	17:22:49.40	4.0425E-02
1991/07/26	17:22:50.40	4.1869E-02
1991/07/26	17:22:51.40	4.1869E-02
1991/07/26	17:22:53.10	4.3312E-02
1991/07/26	17:22:53.50	4.1869E-02
1991/07/26	17:22:55.40	7.7962E-02
1991/07/26	17:22:57.40	1.2416E-01
1991/07/26	17:22:59.40	1.6892E-01
1991/07/26	17:23:01.40	2.1512E-01
1991/07/26	17:23:03.40	2.6276E-01
1991/07/26	17:23:05.40	3.1041E-01
1991/07/26	17:23:07.40	3.5949E-01
1991/07/26	17:23:09.40	4.1147E-01
1991/07/26	17:23:11.40	4.5911E-01
1991/07/26	17:23:13.40	5.0531E-01
1991/07/26	17:23:15.40	5.5007E-01
1991/07/26	17:23:17.40	5.9627E-01
1991/07/26	17:23:19.40	6.4102E-01
1991/07/26	17:23:21.40	6.8434E-01
1991/07/26	17:23:23.40	7.2909E-01
1991/07/26	17:23:28.40	2.3653E+01
1991/07/26	17:23:33.40	9.4421E-01
1991/07/26	17:23:38.40	1.0453E+00
1991/07/26	17:23:43.40	1.1391E+00
1991/07/26	17:23:48.40	1.2257E+00
1991/07/26	17:23:53.40	1.3124E+00
1991/07/26	17:23:58.40	1.3990E+00
1991/07/26	17:24:03.40	1.4813E+00
1991/07/26	17:24:08.40	1.5650E+00
1991/07/26	17:24:13.40	1.6401E+00
1991/07/26	17:24:18.40	1.7123E+00
1991/07/26	17:24:23.40	1.7801E+00
1991/07/26	17:24:28.40	1.8437E+00
1991/07/26	17:24:33.40	1.9086E+00
1991/07/26	17:24:38.40	1.9722E+00

Date	Time	Analog#01 10 psi/FP9-ft.....
1991/07/26	17:24:43.40	2.0371E+00
1991/07/26	17:24:48.40	2.1021E+00
1991/07/26	17:24:53.40	2.1685E+00
1991/07/26	17:24:58.40	2.2291E+00
1991/07/26	17:25:03.40	2.2941E+00
1991/07/26	17:25:08.40	2.3533E+00
1991/07/26	17:25:13.40	2.4139E+00
1991/07/26	17:25:18.40	2.4775E+00
1991/07/26	17:25:23.40	2.5439E+00
1991/07/26	17:25:28.40	2.6002E+00
1991/07/26	17:25:33.40	2.6594E+00
1991/07/26	17:25:38.40	2.7186E+00
1991/07/26	17:25:43.40	2.7807E+00
1991/07/26	17:25:48.40	2.8370E+00
1991/07/26	17:25:53.40	2.8918E+00
1991/07/26	17:25:58.40	2.9496E+00
1991/07/26	17:26:03.40	3.0016E+00
1991/07/26	17:26:08.40	3.0579E+00
1991/07/26	17:26:13.40	2.3653E+01
1991/07/26	17:26:18.40	3.1633E+00
1991/07/26	17:26:23.40	3.2123E+00
1991/07/26	17:26:28.40	3.2629E+00
1991/07/26	17:26:33.40	3.3120E+00
1991/07/26	17:26:38.40	3.3596E+00
1991/07/26	17:26:43.40	3.4087E+00
1991/07/26	17:26:48.40	3.4592E+00
1991/07/26	17:26:53.40	3.5054E+00
1991/07/26	17:26:58.40	3.5545E+00
1991/07/26	17:27:03.40	3.6036E+00
1991/07/26	17:27:08.40	3.6527E+00
1991/07/26	17:27:13.40	3.6960E+00
1991/07/26	17:27:18.40	3.7408E+00
1991/07/26	17:27:23.40	3.7841E+00
1991/07/26	17:27:53.40	4.0483E+00
1991/07/26	17:28:23.40	4.2923E+00
1991/07/26	17:28:53.40	4.5059E+00
1991/07/26	17:29:23.40	4.6994E+00
1991/07/26	17:29:53.40	4.8799E+00
1991/07/26	17:30:23.40	5.0401E+00
1991/07/26	17:30:53.40	5.1888E+00
1991/07/26	17:31:23.40	5.3274E+00
1991/07/26	17:31:53.40	5.4516E+00
1991/07/26	17:32:23.40	5.5657E+00
1991/07/26	17:32:53.40	5.6797E+00
1991/07/26	17:33:23.40	5.7808E+00
1991/07/26	17:33:53.40	5.8703E+00
1991/07/26	17:34:23.40	5.9584E+00
1991/07/26	17:34:53.40	6.0421E+00
1991/07/26	17:35:23.40	6.1201E+00
1991/07/26	17:35:53.40	6.1922E+00
1991/07/26	17:36:23.40	6.2601E+00
1991/07/26	17:36:53.40	6.3207E+00
1991/07/26	17:37:23.40	6.3799E+00
1991/07/26	17:37:53.40	6.4377E+00

Date	Time	Analog#01 10 psi/FP9-ft.....
1991/07/26	17:38:23.40	6.4853E+00
1991/07/26	17:38:53.40	6.5359E+00
1991/07/26	17:39:23.40	6.5806E+00
1991/07/26	17:39:53.40	6.6239E+00
1991/07/26	17:40:23.40	6.6672E+00
1991/07/26	17:40:53.40	6.7062E+00
1991/07/26	17:41:23.40	6.7438E+00
1991/07/26	17:41:53.40	6.7755E+00
1991/07/26	17:42:23.40	6.8058E+00
1991/07/26	17:43:23.40	6.8636E+00
1991/07/26	17:44:23.40	6.9184E+00
1991/07/26	17:45:23.40	6.9675E+00
1991/07/26	17:46:23.40	7.0123E+00
1991/07/26	17:47:23.40	7.0542E+00
1991/07/26	17:48:23.40	7.0931E+00
1991/07/26	17:49:23.40	7.1292E+00
1991/07/26	17:50:23.40	7.1581E+00
1991/07/26	17:51:23.40	7.1841E+00
1991/07/26	17:52:23.40	7.2115E+00
1991/07/26	17:54:23.40	7.2621E+00
1991/07/26	17:56:23.40	7.3039E+00
1991/07/26	17:58:23.40	7.3472E+00
1991/07/26	18:00:23.40	7.3819E+00
1991/07/26	18:02:23.40	7.4180E+00
1991/07/26	18:04:23.40	7.4469E+00
1991/07/26	18:06:23.40	7.4743E+00
1991/07/26	18:08:23.40	7.5003E+00
1991/07/26	18:10:23.40	7.5248E+00
1991/07/26	18:12:23.40	7.5508E+00
1991/07/26	18:14:23.40	7.5696E+00
1991/07/26	18:16:23.40	7.5869E+00
1991/07/26	18:18:23.40	7.6028E+00
1991/07/26	18:20:23.40	7.6201E+00
1991/07/26	18:22:23.40	7.6374E+00
1991/07/26	18:27:23.40	7.6692E+00
1991/07/26	18:32:23.40	7.7024E+00
1991/07/26	18:37:23.40	7.7298E+00
1991/07/26	18:42:23.40	7.7529E+00
1991/07/26	18:47:23.40	7.7789E+00
1991/07/26	18:52:23.40	7.7991E+00
1991/07/26	18:57:23.40	7.8179E+00
1991/07/26	19:02:23.40	7.8309E+00
1991/07/26	19:07:23.40	7.8497E+00
1991/07/26	19:12:23.40	7.8627E+00
1991/07/26	19:17:23.40	7.8785E+00
1991/07/26	19:22:23.40	7.8901E+00
1991/07/26	19:27:23.40	7.9031E+00
1991/07/26	19:32:23.40	7.9146E+00
1991/07/26	19:37:23.40	7.9247E+00
1991/07/26	19:42:23.40	7.9363E+00
1991/07/26	19:47:23.40	7.9464E+00
1991/07/26	19:52:23.40	7.9565E+00
1991/07/26	19:57:23.40	7.9637E+00
1991/07/26	20:02:23.40	7.9709E+00

Date	Time	Analog#01 10 psi/FP9-ft.....
1991/07/26	20:07:23.40	7.9796E+00
1991/07/26	20:12:23.40	7.9883E+00
1991/07/26	20:17:23.40	7.9926E+00
1991/07/26	20:22:23.40	7.9998E+00
1991/07/26	20:37:23.40	8.0171E+00
1991/07/26	20:52:23.40	8.0359E+00
1991/07/26	21:07:23.40	8.0518E+00
1991/07/26	21:22:23.40	8.0648E+00
1991/07/26	21:37:23.40	8.0749E+00
1991/07/26	21:52:23.40	8.0864E+00
1991/07/26	22:07:23.40	8.0951E+00
1991/07/26	22:22:23.40	8.1023E+00
1991/07/26	22:37:23.40	8.1110E+00
1991/07/26	22:52:23.40	8.1211E+00
1991/07/26	23:07:23.40	8.1283E+00
1991/07/26	23:22:23.40	8.1355E+00
1991/07/26	23:37:23.40	8.1427E+00
1991/07/26	23:52:23.40	8.1485E+00
1991/07/27	00:07:23.40	8.1529E+00
1991/07/27	00:22:23.40	8.1572E+00
1991/07/27	00:52:23.40	8.1673E+00
1991/07/27	01:22:23.40	8.1788E+00
1991/07/27	01:52:23.40	8.1861E+00
1991/07/27	02:22:23.40	8.1933E+00
1991/07/27	02:52:23.40	8.1976E+00
1991/07/27	03:22:23.40	8.2019E+00
1991/07/27	03:52:23.40	8.2063E+00
1991/07/27	04:22:23.40	8.2120E+00
1991/07/27	04:52:23.40	8.2149E+00
1991/07/27	05:22:23.40	8.2135E+00
1991/07/27	05:52:23.40	8.2149E+00
1991/07/27	06:22:23.40	8.2135E+00
1991/07/27	06:52:23.40	8.2120E+00
1991/07/27	07:22:23.40	8.2092E+00
1991/07/27	07:52:23.40	8.2063E+00
1991/07/27	08:22:23.40	8.2092E+00

STEP-DRAWDOWN TEST 5

DATA

Page # 1 Terra8 Data File --> C:\TEST\STEP5.HEX

STEP TEST I

Date	Time	Analog#01 10 psi/ W9-46(A1) ft.....
1991/08/02	09:35:10.60	1.9122E+01
1991/08/02	09:35:11.40	1.9122E+01
1991/08/02	09:35:12.40	1.9122E+01
1991/08/02	09:35:14.10	1.9122E+01
1991/08/02	09:35:14.40	1.9122E+01
1991/08/02	09:35:15.40	1.9122E+01
1991/08/02	09:35:16.40	1.9121E+01
1991/08/02	09:35:17.40	1.9121E+01
1991/08/02	09:35:19.10	1.9121E+01
1991/08/02	09:35:19.50	1.9120E+01
1991/08/02	09:35:20.40	1.9121E+01
1991/08/02	09:35:21.40	1.9121E+01
1991/08/02	09:35:22.40	1.9120E+01
1991/08/02	09:35:24.10	1.9120E+01
1991/08/02	09:35:24.50	1.9120E+01
1991/08/02	09:35:25.40	1.9121E+01
1991/08/02	09:35:26.40	1.9121E+01
1991/08/02	09:35:27.40	1.9121E+01
1991/08/02	09:35:29.10	1.9122E+01
1991/08/02	09:35:29.40	1.9121E+01
1991/08/02	09:35:30.40	1.9122E+01
1991/08/02	09:35:31.40	1.9121E+01
1991/08/02	09:35:32.40	1.9122E+01
1991/08/02	09:35:34.10	1.9122E+01
1991/08/02	09:35:34.50	1.9122E+01
1991/08/02	09:35:35.40	1.9122E+01
991/08/02	09:35:36.40	1.9122E+01
1991/08/02	09:35:37.40	1.9121E+01
1991/08/02	09:35:39.10	1.9121E+01
1991/08/02	09:35:39.50	1.9121E+01
1991/08/02	09:35:40.40	1.9121E+01
1991/08/02	09:35:42.40	1.9120E+01
1991/08/02	09:35:44.40	1.9120E+01
1991/08/02	09:35:46.40	1.9120E+01
1991/08/02	09:35:48.40	1.9120E+01
1991/08/02	09:35:50.40	1.9121E+01
1991/08/02	09:35:52.40	1.9120E+01
1991/08/02	09:35:54.40	1.9121E+01
1991/08/02	09:35:56.40	1.9121E+01
1991/08/02	09:35:58.40	1.9121E+01
1991/08/02	09:36:00.40	1.9122E+01
1991/08/02	09:36:02.40	1.9128E+01
1991/08/02	09:36:04.40	1.9125E+01
1991/08/02	09:36:06.40	1.9124E+01
1991/08/02	09:36:08.40	1.9122E+01
1991/08/02	09:36:10.40	1.9124E+01
1991/08/02	09:36:15.40	1.9118E+01
1991/08/02	09:36:20.40	1.9121E+01
1991/08/02	09:36:25.40	1.9121E+01
1991/08/02	09:36:30.40	1.9122E+01
1991/08/02	09:36:35.40	1.9121E+01
1991/08/02	09:36:40.40	1.9121E+01
1991/08/02	09:36:45.40	1.9122E+01

 Terra8 Data File --> C:\TEST\STEP5.HEX

Date	Time	Analog#01 10 psi/FP9-ft.....	
1991/08/02	09:36:50.40	1.9122E+01	
1991/08/02	09:36:55.40	1.9122E+01	
1991/08/02	09:37:00.40	1.9122E+01	
1991/08/02	09:37:05.40	1.9122E+01	
1991/08/02	09:37:10.40	1.9122E+01	
1991/08/02	09:37:15.40	1.9121E+01	
1991/08/02	09:37:20.40	1.9120E+01	
1991/08/02	09:37:25.40	1.9120E+01	
1991/08/02	09:37:30.40	1.9121E+01	
1991/08/02	09:37:35.40	1.9121E+01	
1991/08/02	09:37:40.40	1.9121E+01	
1991/08/02	09:37:45.40	1.9120E+01	
1991/08/02	09:37:50.40	1.9121E+01	
1991/08/02	09:37:55.40	1.9121E+01	
1991/08/02	09:38:00.40	1.9121E+01	
1991/08/02	09:38:05.40	1.9121E+01	
1991/08/02	09:38:10.40	1.9120E+01	
1991/08/02	09:38:15.40	1.9120E+01	
1991/08/02	09:38:20.40	1.9121E+01	
1991/08/02	09:38:25.40	1.9122E+01	
1991/08/02	09:38:30.40	1.9122E+01	
1991/08/02	09:38:35.40	1.9121E+01	
1991/08/02	09:38:40.40	1.9122E+01	
1991/08/02	09:38:45.40	1.9121E+01	
1991/08/02	09:38:50.40	1.9121E+01	
1991/08/02	09:38:55.40	1.9121E+01	
1991/08/02	09:39:00.40	1.9121E+01	
1991/08/02	09:39:05.40	1.9121E+01	
1991/08/02	09:39:10.40	1.9121E+01	
1991/08/02	09:39:15.40	1.9122E+01	
1991/08/02	09:39:20.40	1.9121E+01	
1991/08/02	09:39:25.40	1.9120E+01	
1991/08/02	09:39:30.40	1.9121E+01	
1991/08/02	09:39:35.40	1.9121E+01	
1991/08/02	09:39:40.40	1.9121E+01	
1991/08/02	09:39:45.40	1.9121E+01	
1991/08/02	09:39:50.40	1.9121E+01	
1991/08/02	09:39:55.40	1.9121E+01	
1991/08/02	09:40:00.40	1.9124E+01	
1991/08/02	09:40:05.40	1.9121E+01	
1991/08/02	09:40:10.40	1.9121E+01	
1991/08/02	09:40:40.40	1.9122E+01	
1991/08/02	09:41:10.40	1.9121E+01	
1991/08/02	09:45:06.30	1.9118E+01	
1991/08/02	09:45:07.40	1.9118E+01	
1991/08/02	09:45:08.40	1.9120E+01	
1991/08/02	09:45:10.10	1.9117E+01	
1991/08/02	09:45:10.50	1.9118E+01	
1991/08/02	09:45:11.40	1.9118E+01	
1991/08/02	09:45:12.40	1.9083E+01	
1991/08/02	09:45:13.40	1.8724E+01	start pump
1991/08/02	09:45:15.10	1.8172E+01	
1991/08/02	09:45:15.50	1.7684E+01	
1991/08/02	09:45:16.40	1.7552E+01	

 Terra8 Data File --> C:\TEST\STEP5.HEX

Date	Time	Analog#01 10 psi/FP9-ft.....
1991/08/02	09:45:17.40	1.7350E+01
1991/08/02	09:45:18.40	1.7158E+01
1991/08/02	09:45:20.10	1.6877E+01
1991/08/02	09:45:20.50	1.6798E+01
1991/08/02	09:45:21.40	1.6678E+01
1991/08/02	09:45:22.40	1.6505E+01
1991/08/02	09:45:23.40	1.6337E+01
1991/08/02	09:45:25.10	1.6099E+01
1991/08/02	09:45:25.50	1.6026E+01
1991/08/02	09:45:26.40	1.5904E+01
1991/08/02	09:45:27.40	1.5776E+01
1991/08/02	09:45:28.40	1.5621E+01
1991/08/02	09:45:30.10	1.5386E+01
1991/08/02	09:45:30.50	1.5337E+01
1991/08/02	09:45:31.40	1.5206E+01
1991/08/02	09:45:32.40	1.5090E+01
1991/08/02	09:45:33.40	1.4986E+01
1991/08/02	09:45:35.10	1.4856E+01
1991/08/02	09:45:35.50	1.4842E+01
1991/08/02	09:45:36.40	1.4809E+01
1991/08/02	09:45:38.40	1.4731E+01
1991/08/02	09:45:40.40	1.4653E+01
1991/08/02	09:45:42.40	1.4601E+01
1991/08/02	09:45:44.40	1.4549E+01
1991/08/02	09:45:46.40	1.4552E+01
1991/08/02	09:45:48.40	1.4524E+01
1991/08/02	09:45:50.40	1.4528E+01
1991/08/02	09:45:52.40	1.4528E+01
1991/08/02	09:45:54.40	1.4543E+01
1991/08/02	09:45:56.40	1.4540E+01
1991/08/02	09:45:58.40	1.4536E+01
1991/08/02	09:46:00.40	1.4552E+01
1991/08/02	09:46:02.40	1.4583E+01
1991/08/02	09:46:04.40	1.4601E+01
1991/08/02	09:46:06.40	1.4670E+01
1991/08/02	09:46:11.40	1.4843E+01
1991/08/02	09:46:16.40	1.4980E+01
1991/08/02	09:46:21.40	1.5138E+01
1991/08/02	09:46:26.40	1.5266E+01
1991/08/02	09:46:31.40	1.5380E+01
1991/08/02	09:46:36.40	1.5489E+01
1991/08/02	09:46:41.40	1.5551E+01
1991/08/02	09:46:46.40	1.5629E+01
1991/08/02	09:46:51.40	1.5686E+01
1991/08/02	09:46:56.40	1.5737E+01
1991/08/02	09:47:01.40	1.5782E+01
1991/08/02	09:47:06.40	1.5826E+01
1991/08/02	09:47:11.40	1.5851E+01
1991/08/02	09:47:16.40	1.5883E+01
1991/08/02	09:47:21.40	1.5916E+01
1991/08/02	09:47:26.40	1.5938E+01
1991/08/02	09:47:31.40	1.5969E+01
1991/08/02	09:47:36.40	1.6000E+01
1991/08/02	09:47:41.40	1.6016E+01

Date	Time	Analog#01 10 psi/FP9-ft.....
1991/08/02	09:47:46.40	1.6013E+01
1991/08/02	09:47:51.40	1.6033E+01
1991/08/02	09:47:56.40	1.6044E+01
1991/08/02	09:48:01.40	1.6039E+01
1991/08/02	09:48:06.40	1.6049E+01
1991/08/02	09:48:11.40	1.6070E+01
1991/08/02	09:48:16.40	1.6065E+01
1991/08/02	09:48:21.40	1.6075E+01
1991/08/02	09:48:26.40	1.6067E+01
1991/08/02	09:48:31.40	1.6060E+01
1991/08/02	09:48:36.40	1.6137E+01
1991/08/02	09:48:41.40	1.6223E+01
1991/08/02	09:48:46.40	1.6293E+01
1991/08/02	09:48:51.40	1.6379E+01
1991/08/02	09:48:56.40	1.6421E+01
1991/08/02	09:49:01.40	1.6478E+01
1991/08/02	09:49:06.40	1.6537E+01
1991/08/02	09:49:11.40	1.6567E+01
1991/08/02	09:49:16.40	1.6616E+01
1991/08/02	09:49:21.40	1.6632E+01
1991/08/02	09:49:26.40	1.6678E+01
1991/08/02	09:49:31.40	1.6678E+01
1991/08/02	09:49:36.40	1.6713E+01
1991/08/02	09:49:41.40	1.6726E+01
1991/08/02	09:49:46.40	1.6733E+01
1991/08/02	09:49:51.40	1.6760E+01
1991/08/02	09:49:56.40	1.6760E+01
1991/08/02	09:50:01.40	1.6781E+01
1991/08/02	09:50:06.40	1.6791E+01
1991/08/02	09:50:36.40	1.6830E+01
1991/08/02	09:51:06.40	1.6843E+01
1991/08/02	09:51:36.40	1.7300E+01
1991/08/02	09:52:06.40	1.7960E+01
1991/08/02	09:52:36.40	1.8198E+01
1991/08/02	09:53:06.40	1.8328E+01
1991/08/02	09:53:36.40	1.8393E+01
1991/08/02	09:54:06.40	1.8444E+01
1991/08/02	09:54:36.40	1.7959E+01
1991/08/02	09:55:06.40	1.7796E+01
1991/08/02	09:55:36.40	1.7728E+01
1991/08/02	09:56:06.40	1.7702E+01
1991/08/02	09:56:36.40	1.7487E+01
1991/08/02	09:57:06.40	1.7145E+01
1991/08/02	09:57:36.40	1.7036E+01
1991/08/02	09:58:06.40	1.6974E+01
1991/08/02	09:58:36.40	1.6977E+01
1991/08/02	09:59:06.40	1.6948E+01
1991/08/02	09:59:36.40	1.6950E+01
1991/08/02	10:00:06.40	1.6971E+01
1991/08/02	10:00:36.40	1.6958E+01
1991/08/02	10:01:06.40	1.6950E+01
1991/08/02	10:01:36.40	1.6955E+01
1991/08/02	10:02:06.40	1.6951E+01
1991/08/02	10:02:36.40	1.6953E+01

 Terra8 Data File --> C:\TEST\STEP5.HEX

Date	Time	Analog#01 10 psi/FP9-ft.....	
1991/08/02	10:03:06.40	1.6968E+01	Step 1 adjust rate to 1.0 gpm
1991/08/02	10:03:36.40	1.7026E+01	
1991/08/02	10:04:06.40	1.7279E+01	
1991/08/02	10:04:36.40	1.7627E+01	
1991/08/02	10:05:06.40	1.7773E+01	
1991/08/02	10:06:06.40	1.7882E+01	
1991/08/02	10:07:06.40	1.7917E+01	
1991/08/02	10:08:06.40	1.7947E+01	
1991/08/02	10:09:06.40	1.7962E+01	
1991/08/02	10:10:06.40	1.7982E+01	
1991/08/02	10:11:06.40	1.7996E+01	
1991/08/02	10:12:06.40	1.7972E+01	
1991/08/02	10:13:06.40	1.7986E+01	
1991/08/02	10:14:06.40	1.7992E+01	
1991/08/02	10:15:06.40	1.7999E+01	
1991/08/02	10:17:06.40	1.8027E+01	
1991/08/02	10:19:06.40	1.8031E+01	
1991/08/02	10:21:06.40	1.8038E+01	
1991/08/02	10:23:06.40	1.8028E+01	
1991/08/02	10:25:06.40	1.8032E+01	
1991/08/02	10:27:06.40	1.8054E+01	
1991/08/02	10:29:06.40	1.8051E+01	
1991/08/02	10:31:06.40	1.8041E+01	
1991/08/02	10:33:06.40	1.8035E+01	
1991/08/02	10:35:06.40	1.8057E+01	
1991/08/02	10:37:06.40	1.8044E+01	
1991/08/02	10:39:06.40	1.8058E+01	
1991/08/02	10:41:06.40	1.8063E+01	
1991/08/02	10:43:06.40	1.8054E+01	
1991/08/02	10:45:06.40	1.8048E+01	
1991/08/02	10:50:06.40	1.8048E+01	
1991/08/02	10:55:06.40	1.8054E+01	
1991/08/02	11:00:06.40	1.8070E+01	
1991/08/02	11:05:06.40	1.8060E+01	
1991/08/02	11:10:06.40	1.8084E+01	
1991/08/02	11:14:07.80	1.8071E+01	
1991/08/02	11:14:09.40	1.8082E+01	Step 2 2.0 gpm
1991/08/02	11:14:10.40	1.8067E+01	
1991/08/02	11:14:11.40	1.7999E+01	
1991/08/02	11:14:13.10	1.7930E+01	
1991/08/02	11:14:13.40	1.7878E+01	
1991/08/02	11:14:14.40	1.7819E+01	
1991/08/02	11:14:15.40	1.7741E+01	
1991/08/02	11:14:16.40	1.7673E+01	
1991/08/02	11:14:18.10	1.7544E+01	
1991/08/02	11:14:18.40	1.7539E+01	
1991/08/02	11:14:19.40	1.7482E+01	
1991/08/02	11:14:20.40	1.7413E+01	
1991/08/02	11:14:21.40	1.7345E+01	
1991/08/02	11:14:23.10	1.7240E+01	
1991/08/02	11:14:23.40	1.7230E+01	
1991/08/02	11:14:24.40	1.7182E+01	
1991/08/02	11:14:25.40	1.7116E+01	
1991/08/02	11:14:26.40	1.7054E+01	

Date	Time	Analog#01 10 psi/FP9-ft.....
1991/08/02	11:14:28.10	1.6968E+01
1991/08/02	11:14:28.40	1.6966E+01
1991/08/02	11:14:29.40	1.6915E+01
1991/08/02	11:14:30.40	1.6875E+01
1991/08/02	11:14:31.40	1.6830E+01
1991/08/02	11:14:33.10	1.6756E+01
1991/08/02	11:14:33.40	1.6745E+01
1991/08/02	11:14:34.40	1.6710E+01
1991/08/02	11:14:35.40	1.6675E+01
1991/08/02	11:14:36.40	1.6628E+01
1991/08/02	11:14:38.10	1.6558E+01
1991/08/02	11:14:38.50	1.6557E+01
1991/08/02	11:14:40.40	1.6491E+01
1991/08/02	11:14:42.40	1.6421E+01
1991/08/02	11:14:44.40	1.6362E+01
1991/08/02	11:14:46.40	1.6304E+01
1991/08/02	11:14:48.40	1.6235E+01
1991/08/02	11:14:50.40	1.6192E+01
1991/08/02	11:14:52.40	1.6141E+01
1991/08/02	11:14:54.40	1.6108E+01
1991/08/02	11:14:56.40	1.6065E+01
1991/08/02	11:14:58.40	1.6049E+01
1991/08/02	11:15:00.40	1.6018E+01
1991/08/02	11:15:02.40	1.6000E+01
1991/08/02	11:15:04.40	1.5987E+01
1991/08/02	11:15:06.40	1.5958E+01
1991/08/02	11:15:08.40	1.5927E+01
1991/08/02	11:15:13.40	1.5901E+01
1991/08/02	11:15:18.40	1.5851E+01
1991/08/02	11:15:23.40	1.5802E+01
1991/08/02	11:15:28.40	1.5779E+01
1991/08/02	11:15:33.40	1.5821E+01
1991/08/02	11:15:38.40	1.5906E+01
1991/08/02	11:15:43.40	1.5965E+01
1991/08/02	11:15:48.40	1.6018E+01
1991/08/02	11:15:53.40	1.6057E+01
1991/08/02	11:15:58.40	1.6114E+01
1991/08/02	11:16:03.40	1.6156E+01
1991/08/02	11:16:08.40	1.6170E+01
1991/08/02	11:16:13.40	1.6229E+01
1991/08/02	11:16:18.40	1.6273E+01
1991/08/02	11:16:23.40	1.6322E+01
1991/08/02	11:16:28.40	1.6348E+01
1991/08/02	11:16:33.40	1.6395E+01
1991/08/02	11:16:38.40	1.6408E+01
1991/08/02	11:16:43.40	1.6431E+01
1991/08/02	11:16:48.40	1.6470E+01
1991/08/02	11:16:53.40	1.6504E+01
1991/08/02	11:16:58.40	1.6498E+01
1991/08/02	11:17:03.40	1.6501E+01
1991/08/02	11:17:08.40	1.6528E+01
1991/08/02	11:17:13.40	1.6528E+01
1991/08/02	11:17:18.40	1.6522E+01
1991/08/02	11:17:23.40	1.6548E+01

Date	Time	Analog#01 10 psi/FP9-ft.....
1991/08/02	11:17:28.40	1.6537E+01
1991/08/02	11:17:33.40	1.6554E+01
1991/08/02	11:17:38.40	1.6561E+01
1991/08/02	11:17:43.40	1.6548E+01
1991/08/02	11:17:48.40	1.6576E+01
1991/08/02	11:17:53.40	1.6560E+01
1991/08/02	11:17:58.40	1.6574E+01
1991/08/02	11:18:03.40	1.6576E+01
1991/08/02	11:18:08.40	1.6586E+01
1991/08/02	11:18:13.40	1.6564E+01
1991/08/02	11:18:18.40	1.6583E+01
1991/08/02	11:18:23.40	1.6567E+01
1991/08/02	11:18:28.40	1.6574E+01
1991/08/02	11:18:33.40	1.6574E+01
1991/08/02	11:18:38.40	1.6587E+01
1991/08/02	11:18:43.40	1.6561E+01
1991/08/02	11:18:48.40	1.6597E+01
1991/08/02	11:18:53.40	1.6576E+01
1991/08/02	11:18:58.40	1.6579E+01
1991/08/02	11:19:03.40	1.6568E+01
1991/08/02	11:19:08.40	1.6574E+01
1991/08/02	11:19:38.40	1.6602E+01
1991/08/02	11:20:08.40	1.6570E+01
1991/08/02	11:20:38.40	1.6566E+01
1991/08/02	11:21:08.40	1.6563E+01
1991/08/02	11:21:38.40	1.6554E+01
1991/08/02	11:22:08.40	1.6561E+01
1991/08/02	11:22:38.40	1.6555E+01
1991/08/02	11:23:08.40	1.6551E+01
1991/08/02	11:23:38.40	1.6557E+01
1991/08/02	11:24:08.40	1.6560E+01
1991/08/02	11:24:38.40	1.6545E+01
1991/08/02	11:25:08.40	1.6542E+01
1991/08/02	11:25:38.40	1.6545E+01
1991/08/02	11:26:08.40	1.6537E+01
1991/08/02	11:26:38.40	1.6529E+01
1991/08/02	11:27:08.40	1.6522E+01
1991/08/02	11:27:38.40	1.6525E+01
1991/08/02	11:28:08.40	1.6514E+01
1991/08/02	11:28:38.40	1.6506E+01
1991/08/02	11:29:08.40	1.6512E+01
1991/08/02	11:29:38.40	1.6532E+01
1991/08/02	11:30:08.40	1.6514E+01
1991/08/02	11:30:38.40	1.6502E+01
1991/08/02	11:31:08.40	1.6521E+01
1991/08/02	11:31:38.40	1.6509E+01
1991/08/02	11:32:08.40	1.6502E+01
1991/08/02	11:32:38.40	1.6509E+01
1991/08/02	11:33:08.40	1.6498E+01
1991/08/02	11:33:38.40	1.6505E+01
1991/08/02	11:34:08.40	1.6514E+01
1991/08/02	11:35:08.40	1.6485E+01
1991/08/02	11:36:08.40	1.6492E+01
1991/08/02	11:37:08.40	1.6495E+01

Date	Time	Analog#01 10 psi/FP9-ft.....	
1991/08/02	11:38:08.40	1.6491E+01	
1991/08/02	11:39:08.40	1.6495E+01	
1991/08/02	11:40:08.40	1.6502E+01	
1991/08/02	11:41:08.40	1.6486E+01	
1991/08/02	11:42:08.40	1.6479E+01	
1991/08/02	11:43:08.40	1.6465E+01	
1991/08/02	11:44:08.40	1.6462E+01	
1991/08/02	11:46:08.40	1.6473E+01	
1991/08/02	11:48:08.40	1.6472E+01	
1991/08/02	11:50:08.40	1.6470E+01	
1991/08/02	11:52:08.40	1.6466E+01	
1991/08/02	11:54:08.40	1.6478E+01	
1991/08/02	11:56:08.40	1.6473E+01	
1991/08/02	11:58:08.40	1.6459E+01	
1991/08/02	12:00:08.40	1.6457E+01	
1991/08/02	12:02:08.40	1.6472E+01	
1991/08/02	12:04:08.40	1.6470E+01	
1991/08/02	12:06:08.40	1.6465E+01	
1991/08/02	12:08:08.40	1.6473E+01	
1991/08/02	12:10:08.40	1.6470E+01	
1991/08/02	12:12:08.40	1.6465E+01	
1991/08/02	12:14:08.40	1.6470E+01	
1991/08/02	12:19:08.40	1.6465E+01	
1991/08/02	12:24:08.40	1.6492E+01	
1991/08/02	12:29:08.40	1.6512E+01	
1991/08/02	12:34:08.40	1.6502E+01	
1991/08/02	12:39:08.40	1.6509E+01	
991/08/02	12:44:08.40	1.6521E+01	
1991/08/02	12:45:10.80	1.6499E+01	
1991/08/02	12:45:12.40	1.6516E+01	Step 3 3.0 gpm
1991/08/02	12:45:13.40	1.6505E+01	
1991/08/02	12:45:14.40	1.6522E+01	
1991/08/02	12:45:16.10	1.6532E+01	
1991/08/02	12:45:16.40	1.6527E+01	
1991/08/02	12:45:17.40	1.6529E+01	
1991/08/02	12:45:18.40	1.6553E+01	
1991/08/02	12:45:19.40	1.6561E+01	
1991/08/02	12:45:21.10	1.6547E+01	
1991/08/02	12:45:21.40	1.6605E+01	
1991/08/02	12:45:22.40	1.6561E+01	
1991/08/02	12:45:23.40	1.6564E+01	
1991/08/02	12:45:24.40	1.6498E+01	
1991/08/02	12:45:26.10	1.6462E+01	
1991/08/02	12:45:26.40	1.6467E+01	
1991/08/02	12:45:27.40	1.6420E+01	
1991/08/02	12:45:28.40	1.6410E+01	
1991/08/02	12:45:29.40	1.6355E+01	
1991/08/02	12:45:31.10	1.6306E+01	
1991/08/02	12:45:31.40	1.6287E+01	
1991/08/02	12:45:32.40	1.6284E+01	
1991/08/02	12:45:33.40	1.6234E+01	
1991/08/02	12:45:34.40	1.6202E+01	
1991/08/02	12:45:36.10	1.6164E+01	
1991/08/02	12:45:36.40	1.6148E+01	

Date	Time	Analog#01 10 psi/FP9-ft.....
1991/08/02	12:45:37.40	1.6108E+01
1991/08/02	12:45:38.40	1.6075E+01
1991/08/02	12:45:39.40	1.6046E+01
1991/08/02	12:45:41.10	1.6003E+01
1991/08/02	12:45:41.50	1.5991E+01
1991/08/02	12:45:43.40	1.5946E+01
1991/08/02	12:45:45.40	1.5891E+01
1991/08/02	12:45:47.40	1.5849E+01
1991/08/02	12:45:49.40	1.5796E+01
1991/08/02	12:45:51.40	1.5744E+01
1991/08/02	12:45:53.40	1.5715E+01
1991/08/02	12:45:55.40	1.5686E+01
1991/08/02	12:45:57.40	1.5646E+01
1991/08/02	12:45:59.40	1.5623E+01
1991/08/02	12:46:01.40	1.5592E+01
1991/08/02	12:46:03.40	1.5551E+01
1991/08/02	12:46:05.40	1.5520E+01
1991/08/02	12:46:07.40	1.5491E+01
1991/08/02	12:46:09.40	1.5450E+01
1991/08/02	12:46:11.40	1.5426E+01
1991/08/02	12:46:16.40	1.5367E+01
1991/08/02	12:46:21.40	1.5317E+01
1991/08/02	12:46:26.40	1.5284E+01
1991/08/02	12:46:31.40	1.5249E+01
1991/08/02	12:46:36.40	1.5224E+01
1991/08/02	12:46:41.40	1.5224E+01
1991/08/02	12:46:46.40	1.5234E+01
1991/08/02	12:46:51.40	1.5224E+01
1991/08/02	12:46:56.40	1.5219E+01
1991/08/02	12:47:01.40	1.5220E+01
1991/08/02	12:47:06.40	1.5226E+01
1991/08/02	12:47:11.40	1.5226E+01
1991/08/02	12:47:16.40	1.5217E+01
1991/08/02	12:47:21.40	1.5214E+01
1991/08/02	12:47:26.40	1.5213E+01
1991/08/02	12:47:31.40	1.5224E+01
1991/08/02	12:47:36.40	1.5216E+01
1991/08/02	12:47:41.40	1.5216E+01
1991/08/02	12:47:46.40	1.5224E+01
1991/08/02	12:47:51.40	1.5213E+01
1991/08/02	12:47:56.40	1.5195E+01
1991/08/02	12:48:01.40	1.5206E+01
1991/08/02	12:48:06.40	1.5245E+01
1991/08/02	12:48:11.40	1.5281E+01
1991/08/02	12:48:16.40	1.5286E+01
1991/08/02	12:48:21.40	1.5325E+01
1991/08/02	12:48:26.40	1.5344E+01
1991/08/02	12:48:31.40	1.5343E+01
1991/08/02	12:48:36.40	1.5367E+01
1991/08/02	12:48:41.40	1.5361E+01
1991/08/02	12:48:46.40	1.5386E+01
1991/08/02	12:48:51.40	1.5392E+01
1991/08/02	12:48:56.40	1.5411E+01
1991/08/02	12:49:01.40	1.5416E+01

 Terra8 Data File --> C:\TEST\STEP5.HEX

Date	Time	Analog#01 10 psi/FP9-ft.....
1991/08/02	12:49:06.40	1.5406E+01
1991/08/02	12:49:11.40	1.5426E+01
1991/08/02	12:49:16.40	1.5419E+01
1991/08/02	12:49:21.40	1.5442E+01
1991/08/02	12:49:26.40	1.5450E+01
1991/08/02	12:49:31.40	1.5455E+01
1991/08/02	12:49:36.40	1.5442E+01
1991/08/02	12:49:41.40	1.5439E+01
1991/08/02	12:49:46.40	1.5470E+01
1991/08/02	12:49:51.40	1.5468E+01
1991/08/02	12:49:56.40	1.5457E+01
1991/08/02	12:50:01.40	1.5454E+01
1991/08/02	12:50:06.40	1.5463E+01
1991/08/02	12:50:11.40	1.5465E+01
1991/08/02	12:50:41.40	1.5481E+01
1991/08/02	12:51:11.40	1.5477E+01
1991/08/02	12:51:41.40	1.5480E+01
1991/08/02	12:52:11.40	1.5478E+01
1991/08/02	12:52:41.40	1.5483E+01
1991/08/02	12:53:11.40	1.5463E+01
1991/08/02	12:53:41.40	1.5480E+01
1991/08/02	12:54:11.40	1.5491E+01
1991/08/02	12:54:41.40	1.5464E+01
1991/08/02	12:55:11.40	1.5480E+01
1991/08/02	12:55:41.40	1.5464E+01
1991/08/02	12:56:11.40	1.5474E+01
1991/08/02	12:56:41.40	1.5474E+01
1991/08/02	12:57:11.40	1.5477E+01
1991/08/02	12:57:41.40	1.5486E+01
1991/08/02	12:58:11.40	1.5487E+01
1991/08/02	12:58:41.40	1.5480E+01
1991/08/02	12:59:11.40	1.5473E+01
1991/08/02	12:59:41.40	1.5473E+01
1991/08/02	13:00:11.40	1.5481E+01
1991/08/02	13:00:41.40	1.5477E+01
1991/08/02	13:01:11.40	1.5470E+01
1991/08/02	13:01:41.40	1.5474E+01
1991/08/02	13:02:11.40	1.5484E+01
1991/08/02	13:02:41.40	1.5470E+01
1991/08/02	13:03:11.40	1.5463E+01
1991/08/02	13:03:41.40	1.5477E+01
1991/08/02	13:04:11.40	1.5465E+01
1991/08/02	13:04:41.40	1.5480E+01
1991/08/02	13:05:11.40	1.5465E+01
1991/08/02	13:06:11.40	1.5473E+01
1991/08/02	13:07:11.40	1.5470E+01
1991/08/02	13:08:11.40	1.5487E+01
1991/08/02	13:09:11.40	1.5481E+01
1991/08/02	13:10:11.40	1.5487E+01
1991/08/02	13:11:11.40	1.5474E+01
1991/08/02	13:12:11.40	1.5484E+01
1991/08/02	13:13:11.40	1.5477E+01
1991/08/02	13:14:11.40	1.5477E+01
1991/08/02	13:15:11.40	1.5463E+01

Terra8 Data File --> C:\TEST\STEP5.HEX

Date	Time	Analog#01 10 psi/FP9-ft.....	
1991/08/02	13:17:11.40	1.5478E+01	
1991/08/02	13:19:11.40	1.5458E+01	
1991/08/02	13:21:11.40	1.5468E+01	
1991/08/02	13:23:11.40	1.5464E+01	
1991/08/02	13:25:11.40	1.5455E+01	
1991/08/02	13:27:11.40	1.5455E+01	
1991/08/02	13:29:11.40	1.5457E+01	
1991/08/02	13:31:11.40	1.5444E+01	
1991/08/02	13:33:11.40	1.5463E+01	
1991/08/02	13:35:11.40	1.5455E+01	
1991/08/02	13:37:11.40	1.5437E+01	
1991/08/02	13:39:11.40	1.5458E+01	
1991/08/02	13:41:11.40	1.5454E+01	
1991/08/02	13:43:11.40	1.5448E+01	
1991/08/02	13:49:22.90	1.5441E+01	
1991/08/02	13:50:11.40	1.5451E+01	
1991/08/02	13:51:38.60	1.5442E+01	
1991/08/02	13:51:39.40	1.5455E+01	Step 4 4.0 gpm
1991/08/02	13:51:40.40	1.5432E+01	
1991/08/02	13:51:41.40	1.5458E+01	
1991/08/02	13:51:43.10	1.5463E+01	
1991/08/02	13:51:43.40	1.5350E+01	
1991/08/02	13:51:44.40	1.5337E+01	
1991/08/02	13:51:45.40	1.5271E+01	
1991/08/02	13:51:46.40	1.5182E+01	
1991/08/02	13:51:48.10	1.5073E+01	
991/08/02	13:51:48.40	1.5054E+01	
1991/08/02	13:51:49.40	1.4998E+01	
1991/08/02	13:51:50.40	1.4953E+01	
1991/08/02	13:51:51.40	1.4872E+01	
1991/08/02	13:51:53.10	1.4788E+01	
1991/08/02	13:51:53.40	1.4759E+01	
1991/08/02	13:51:54.40	1.4720E+01	
1991/08/02	13:51:55.40	1.4677E+01	
1991/08/02	13:51:56.40	1.4622E+01	
1991/08/02	13:51:58.10	1.4534E+01	
1991/08/02	13:51:58.40	1.4520E+01	
1991/08/02	13:51:59.40	1.4469E+01	
1991/08/02	13:52:00.40	1.4412E+01	
1991/08/02	13:52:01.40	1.4381E+01	
1991/08/02	13:52:03.10	1.4287E+01	
1991/08/02	13:52:03.40	1.4287E+01	
1991/08/02	13:52:04.40	1.4257E+01	
1991/08/02	13:52:05.40	1.4212E+01	
1991/08/02	13:52:06.40	1.4169E+01	
1991/08/02	13:52:08.10	1.4088E+01	
1991/08/02	13:52:08.50	1.4088E+01	
1991/08/02	13:52:10.40	1.4016E+01	
1991/08/02	13:52:12.40	1.3957E+01	
1991/08/02	13:52:14.40	1.3870E+01	
1991/08/02	13:52:16.40	1.3817E+01	
1991/08/02	13:52:18.40	1.3750E+01	
1991/08/02	13:52:20.40	1.3698E+01	
1991/08/02	13:52:22.40	1.3636E+01	

Date	Time	Analog#01 10 psi/FP9-ft.....
1991/08/02	13:52:24.40	1.3593E+01
1991/08/02	13:52:26.40	1.3531E+01
1991/08/02	13:52:28.40	1.3488E+01
1991/08/02	13:52:30.40	1.3444E+01
1991/08/02	13:52:32.40	1.3411E+01
1991/08/02	13:52:34.40	1.3355E+01
1991/08/02	13:52:36.40	1.3321E+01
1991/08/02	13:52:38.40	1.3294E+01
1991/08/02	13:52:43.40	1.3199E+01
1991/08/02	13:52:48.40	1.3128E+01
1991/08/02	13:52:53.40	1.3041E+01
1991/08/02	13:52:58.40	1.2982E+01
1991/08/02	13:53:03.40	1.2929E+01
1991/08/02	13:53:08.40	1.2872E+01
1991/08/02	13:53:13.40	1.2832E+01
1991/08/02	13:53:18.40	1.2808E+01
1991/08/02	13:53:23.40	1.2751E+01
1991/08/02	13:53:28.40	1.2717E+01
1991/08/02	13:53:33.40	1.2692E+01
1991/08/02	13:53:38.40	1.2660E+01
1991/08/02	13:53:43.40	1.2631E+01
1991/08/02	13:53:48.40	1.2660E+01
1991/08/02	13:53:53.40	1.2683E+01
1991/08/02	13:53:58.40	1.2705E+01
1991/08/02	13:54:03.40	1.2721E+01
1991/08/02	13:54:08.40	1.2741E+01
1991/08/02	13:54:13.40	1.2764E+01
1991/08/02	13:54:18.40	1.2758E+01
1991/08/02	13:54:23.40	1.2773E+01
1991/08/02	13:54:28.40	1.2786E+01
1991/08/02	13:54:33.40	1.2789E+01
1991/08/02	13:54:38.40	1.2802E+01
1991/08/02	13:54:43.40	1.2800E+01
1991/08/02	13:54:48.40	1.2808E+01
1991/08/02	13:54:53.40	1.2813E+01
1991/08/02	13:54:58.40	1.2806E+01
1991/08/02	13:55:03.40	1.2835E+01
1991/08/02	13:55:08.40	1.2858E+01
1991/08/02	13:55:13.40	1.2901E+01
1991/08/02	13:55:18.40	1.2927E+01
1991/08/02	13:55:23.40	1.2953E+01
1991/08/02	13:55:28.40	1.2982E+01
1991/08/02	13:55:33.40	1.3007E+01
1991/08/02	13:55:38.40	1.3014E+01
1991/08/02	13:55:43.40	1.3054E+01
1991/08/02	13:55:48.40	1.3064E+01
1991/08/02	13:55:53.40	1.3072E+01
1991/08/02	13:55:58.40	1.3076E+01
1991/08/02	13:56:03.40	1.3099E+01
1991/08/02	13:56:08.40	1.3098E+01
1991/08/02	13:56:13.40	1.3105E+01
1991/08/02	13:56:18.40	1.3109E+01
1991/08/02	13:56:23.40	1.3158E+01
1991/08/02	13:56:28.40	1.3231E+01

Date	Time	Analog#01 10 psi/FP9-ft.....
1991/08/02	13:56:33.40	1.3287E+01
1991/08/02	13:56:38.40	1.3337E+01
1991/08/02	13:57:08.40	1.3576E+01
1991/08/02	13:57:38.40	1.3690E+01
1991/08/02	13:58:08.40	1.3765E+01
1991/08/02	13:58:38.40	1.3804E+01
1991/08/02	13:59:08.40	1.3815E+01
1991/08/02	13:59:38.40	1.3844E+01
1991/08/02	14:00:08.40	1.3843E+01
1991/08/02	14:00:38.40	1.3841E+01
1991/08/02	14:01:08.40	1.3835E+01
1991/08/02	14:01:38.40	1.3843E+01
1991/08/02	14:02:08.40	1.3844E+01
1991/08/02	14:02:38.40	1.3859E+01
1991/08/02	14:03:08.40	1.3857E+01
1991/08/02	14:03:38.40	1.3854E+01
1991/08/02	14:04:08.40	1.3851E+01
1991/08/02	14:04:38.40	1.3848E+01
1991/08/02	14:05:08.40	1.3853E+01
1991/08/02	14:05:38.40	1.3827E+01
1991/08/02	14:06:08.40	1.3844E+01
1991/08/02	14:06:38.40	1.3864E+01
1991/08/02	14:07:08.40	1.3863E+01
1991/08/02	14:07:38.40	1.3864E+01
1991/08/02	14:08:08.40	1.3864E+01
1991/08/02	14:08:38.40	1.3867E+01
1991/08/02	14:09:08.40	1.3859E+01
1991/08/02	14:09:38.40	1.3854E+01
1991/08/02	14:10:08.40	1.3866E+01
1991/08/02	14:10:38.40	1.3866E+01
1991/08/02	14:11:08.40	1.3847E+01
1991/08/02	14:11:38.40	1.3853E+01
1991/08/02	14:12:38.40	1.3857E+01
1991/08/02	14:13:38.40	1.3860E+01
1991/08/02	14:14:38.40	1.3854E+01
1991/08/02	14:15:38.40	1.3837E+01
1991/08/02	14:16:38.40	1.3659E+01
1991/08/02	14:17:38.40	1.3563E+01
1991/08/02	14:18:38.40	1.3529E+01
1991/08/02	14:19:38.40	1.3538E+01
1991/08/02	14:20:38.40	1.3548E+01
1991/08/02	14:21:38.40	1.3535E+01
1991/08/02	14:23:38.40	1.3534E+01
1991/08/02	14:25:38.40	1.3554E+01
1991/08/02	14:27:38.40	1.3564E+01
1991/08/02	14:29:38.40	1.3537E+01
1991/08/02	14:31:38.40	1.3558E+01
1991/08/02	14:33:38.40	1.3551E+01
1991/08/02	14:35:38.40	1.3532E+01
1991/08/02	14:37:38.40	1.3550E+01
1991/08/02	14:39:38.40	1.3567E+01
1991/08/02	14:41:38.40	1.3573E+01
1991/08/02	14:43:38.40	1.3597E+01
1991/08/02	14:45:38.40	1.3610E+01

Date	Time	Analog#01 10 psi/FP9-ft.....
1991/08/02	14:47:10.00	1.3594E+01
1991/08/02	14:47:14.20	1.3596E+01
1991/08/02	14:47:14.50	1.3591E+01
1991/08/02	14:47:15.80	1.3612E+01
1991/08/02	14:47:16.20	1.3560E+01
1991/08/02	14:47:16.50	1.3570E+01
1991/08/02	14:47:16.80	1.3513E+01
1991/08/02	14:47:18.20	1.3470E+01
1991/08/02	14:47:18.50	1.3447E+01
1991/08/02	14:47:19.40	1.3392E+01
1991/08/02	14:47:20.40	1.3353E+01
1991/08/02	14:47:21.40	1.3285E+01
1991/08/02	14:47:23.10	1.3180E+01
1991/08/02	14:47:23.40	1.3171E+01
1991/08/02	14:47:24.40	1.3119E+01
1991/08/02	14:47:25.40	1.3080E+01
1991/08/02	14:47:26.40	1.3020E+01
1991/08/02	14:47:28.10	1.2956E+01
1991/08/02	14:47:28.40	1.2948E+01
1991/08/02	14:47:29.40	1.2904E+01
1991/08/02	14:47:30.40	1.2877E+01
1991/08/02	14:47:31.40	1.2829E+01
1991/08/02	14:47:33.10	1.2790E+01
1991/08/02	14:47:33.40	1.2770E+01
1991/08/02	14:47:34.40	1.2730E+01
1991/08/02	14:47:35.40	1.2689E+01
1991/08/02	14:47:36.40	1.2666E+01
1991/08/02	14:47:38.10	1.2595E+01
1991/08/02	14:47:38.40	1.2608E+01
1991/08/02	14:47:39.40	1.2569E+01
1991/08/02	14:47:40.40	1.2509E+01
1991/08/02	14:47:42.40	1.2292E+01
1991/08/02	14:47:44.40	1.2060E+01
1991/08/02	14:47:46.40	1.2116E+01
1991/08/02	14:47:48.40	1.2063E+01
1991/08/02	14:47:50.40	1.2126E+01
1991/08/02	14:47:52.40	1.2185E+01
1991/08/02	14:47:54.40	1.2260E+01
1991/08/02	14:47:56.40	1.2321E+01
1991/08/02	14:47:58.40	1.2389E+01
1991/08/02	14:48:00.40	1.2449E+01
1991/08/02	14:48:02.40	1.2520E+01
1991/08/02	14:48:04.40	1.2577E+01
1991/08/02	14:48:06.40	1.2624E+01
1991/08/02	14:48:08.40	1.2691E+01
1991/08/02	14:48:10.40	1.2745E+01
1991/08/02	14:48:15.40	1.2838E+01
1991/08/02	14:48:20.40	1.2958E+01
1991/08/02	14:48:25.40	1.3059E+01
1991/08/02	14:48:30.40	1.3151E+01
1991/08/02	14:48:35.40	1.3239E+01
1991/08/02	14:48:40.40	1.3298E+01
1991/08/02	14:48:45.40	1.3373E+01
1991/08/02	14:48:50.40	1.3407E+01

Terra8 Data File --> C:\TEST\STEP5.HEX

Date	Time	Analog#01 10 psi/FP9-ft.....
1991/08/02	14:48:55.40	1.3480E+01
1991/08/02	14:49:00.40	1.3525E+01
1991/08/02	14:49:05.40	1.3561E+01
1991/08/02	14:49:10.40	1.3591E+01
1991/08/02	14:49:15.40	1.3633E+01
1991/08/02	14:49:20.40	1.3659E+01
1991/08/02	14:49:25.40	1.3697E+01
1991/08/02	14:49:30.40	1.3729E+01
1991/08/02	14:49:35.40	1.3746E+01
1991/08/02	14:49:40.40	1.3775E+01
1991/08/02	14:49:45.40	1.3808E+01
1991/08/02	14:49:50.40	1.3821E+01
1991/08/02	14:49:55.40	1.3841E+01
1991/08/02	14:50:00.40	1.3843E+01
1991/08/02	14:50:05.40	1.3850E+01
1991/08/02	14:50:10.40	1.3876E+01
1991/08/02	14:50:15.40	1.3890E+01
1991/08/02	14:50:20.40	1.3885E+01
1991/08/02	14:50:25.40	1.3900E+01
1991/08/02	14:50:30.40	1.3908E+01
1991/08/02	14:50:35.40	1.3905E+01
1991/08/02	14:50:40.40	1.3929E+01
1991/08/02	14:50:45.40	1.3932E+01
1991/08/02	14:50:50.40	1.3928E+01
1991/08/02	14:50:55.40	1.3944E+01
1991/08/02	14:51:00.40	1.3958E+01
1991/08/02	14:51:05.40	1.3961E+01
991/08/02	14:51:10.40	1.3958E+01
991/08/02	14:51:15.40	1.3965E+01
1991/08/02	14:51:20.40	1.3967E+01
1991/08/02	14:51:25.40	1.3968E+01
1991/08/02	14:51:30.40	1.3968E+01
1991/08/02	14:51:35.40	1.3970E+01
1991/08/02	14:51:40.40	1.3986E+01
1991/08/02	14:51:45.40	1.3980E+01
1991/08/02	14:51:50.40	1.3948E+01
1991/08/02	14:51:55.40	1.3773E+01
1991/08/02	14:52:00.40	1.3610E+01
1991/08/02	14:52:05.40	1.3437E+01
1991/08/02	14:52:10.40	1.3281E+01
1991/08/02	14:52:40.40	1.2673E+01
1991/08/02	14:53:10.40	1.2360E+01
1991/08/02	14:53:40.40	1.0978E+01
1991/08/02	14:54:10.40	9.1404E+00
1991/08/02	14:54:40.40	8.2857E+00
1991/08/02	14:55:10.40	9.3310E+00
1991/08/02	14:55:40.40	9.9936E+00
1991/08/02	14:56:10.40	1.0404E+01
1991/08/02	14:56:40.40	1.0658E+01
1991/08/02	14:57:10.40	1.0827E+01
1991/08/02	14:57:40.40	1.0928E+01
1991/08/02	14:58:10.40	1.0987E+01
1991/08/02	14:58:40.40	1.1020E+01
1991/08/02	14:59:10.40	8.5759E+00

Step 5 5.0 gpm

Date	Time	Analog#01 10 psi/FP9-ft.....	
1991/08/02	14:59:40.40	6.9026E+00	
1991/08/02	15:00:10.40	5.9136E+00	
1991/08/02	15:00:40.40	5.8660E+00	
1991/08/02	15:01:10.40	5.9670E+00	
1991/08/02	15:01:40.40	6.3900E+00	
1991/08/02	15:02:10.40	6.8174E+00	
1991/08/02	15:02:40.40	7.1148E+00	
1991/08/02	15:03:10.40	7.3169E+00	
1991/08/02	15:03:40.40	7.4700E+00	
1991/08/02	15:04:10.40	7.5508E+00	
1991/08/02	15:04:40.40	7.6273E+00	
1991/08/02	15:05:10.40	7.6504E+00	
1991/08/02	15:05:40.40	7.6735E+00	
1991/08/02	15:06:10.40	7.6779E+00	
1991/08/02	15:06:40.40	7.6952E+00	
1991/08/02	15:07:10.40	7.6923E+00	
1991/08/02	15:08:10.40	7.6721E+00	
1991/08/02	15:09:10.40	7.6591E+00	
1991/08/02	15:10:10.40	7.6317E+00	
1991/08/02	15:11:10.40	7.6403E+00	
1991/08/02	15:12:10.40	7.6403E+00	
1991/08/02	15:13:10.40	7.6461E+00	
1991/08/02	15:14:10.40	7.6605E+00	
1991/08/02	15:15:10.40	7.7154E+00	
1991/08/02	15:16:10.40	7.7241E+00	
1991/08/02	15:17:10.40	7.7168E+00	
1991/08/02	15:19:10.40	7.6952E+00	
1991/08/02	15:21:10.40	7.6894E+00	
1991/08/02	15:23:10.40	7.6865E+00	
1991/08/02	15:25:10.40	7.6865E+00	
1991/08/02	15:27:10.40	7.6230E+00	
1991/08/02	15:29:10.40	7.5898E+00	
1991/08/02	15:31:10.40	7.6172E+00	
1991/08/02	15:33:10.40	7.5985E+00	
1991/08/02	15:35:10.40	7.5595E+00	
1991/08/02	15:37:10.40	7.4974E+00	
1991/08/02	15:39:10.40	7.4714E+00	
1991/08/02	15:41:10.40	7.4483E+00	
1991/08/02	15:43:10.40	7.4368E+00	
1991/08/02	15:45:10.40	7.4281E+00	
1991/08/02	15:47:10.40	7.4873E+00	
1991/08/02	15:52:10.40	7.5855E+00	
1991/08/02	15:57:10.40	7.6114E+00	
1991/08/02	16:02:10.40	6.0681E+00	
1991/08/02	16:16:00.90	7.0570E+00	
1991/08/02	16:16:02.40	7.0455E+00	Step 6 5.5 gpm
1991/08/02	16:16:03.40	7.0585E+00	
1991/08/02	16:16:04.40	7.0628E+00	
1991/08/02	16:16:05.40	7.0469E+00	
1991/08/02	16:16:07.10	7.0498E+00	
1991/08/02	16:16:07.40	7.0469E+00	
1991/08/02	16:16:08.40	7.0137E+00	
1991/08/02	16:16:09.40	7.0051E+00	
1991/08/02	16:16:10.40	6.9704E+00	

Date	Time	Analog#01 10 psi/FP9-ft.....
1991/08/02	16:16:12.10	6.9055E+00
1991/08/02	16:16:12.40	6.8881E+00
1991/08/02	16:16:13.40	6.8463E+00
1991/08/02	16:16:14.40	6.8159E+00
1991/08/02	16:16:15.40	6.7784E+00
1991/08/02	16:16:17.10	6.7134E+00
1991/08/02	16:16:17.40	6.7048E+00
1991/08/02	16:16:18.40	6.6773E+00
1991/08/02	16:16:19.40	6.6369E+00
1991/08/02	16:16:20.40	6.5994E+00
1991/08/02	16:16:22.10	6.5387E+00
1991/08/02	16:16:22.40	6.5200E+00
1991/08/02	16:16:23.40	6.4998E+00
1991/08/02	16:16:24.40	6.4752E+00
1991/08/02	16:16:25.40	6.4348E+00
1991/08/02	16:16:27.10	6.3828E+00
1991/08/02	16:16:27.40	6.3785E+00
1991/08/02	16:16:28.40	6.3467E+00
1991/08/02	16:16:29.40	6.3150E+00
1991/08/02	16:16:30.40	6.2803E+00
1991/08/02	16:16:32.10	6.2254E+00
1991/08/02	16:16:33.40	6.1995E+00
1991/08/02	16:16:35.40	6.1287E+00
1991/08/02	16:16:37.40	6.0565E+00
1991/08/02	16:16:39.40	6.0074E+00
1991/08/02	16:16:41.40	5.9656E+00
1991/08/02	16:16:43.40	5.9035E+00
1991/08/02	16:16:45.40	5.8429E+00
1991/08/02	16:16:47.40	5.7938E+00
1991/08/02	16:16:49.40	5.7548E+00
1991/08/02	16:16:51.40	5.6985E+00
1991/08/02	16:16:53.40	5.6609E+00
1991/08/02	16:16:55.40	5.6393E+00
1991/08/02	16:16:57.40	5.6176E+00
1991/08/02	16:16:59.40	5.5916E+00
1991/08/02	16:17:01.40	5.5685E+00
1991/08/02	16:17:06.40	5.5498E+00
1991/08/02	16:17:11.40	5.5180E+00
1991/08/02	16:17:16.40	5.4949E+00
1991/08/02	16:17:21.40	5.4834E+00
1991/08/02	16:17:26.40	5.4718E+00
1991/08/02	16:17:31.40	5.4631E+00
1991/08/02	16:17:36.40	5.4545E+00
1991/08/02	16:17:41.40	5.4141E+00
1991/08/02	16:17:46.40	5.3534E+00
1991/08/02	16:17:51.40	5.2654E+00
1991/08/02	16:17:56.40	5.1946E+00
1991/08/02	16:18:01.40	5.1311E+00
1991/08/02	16:18:06.40	5.0531E+00
1991/08/02	16:18:11.40	4.9925E+00
1991/08/02	16:18:16.40	4.9275E+00
1991/08/02	16:18:21.40	4.8770E+00
1991/08/02	16:18:26.40	4.8034E+00
1991/08/02	16:18:31.40	4.7543E+00

Date	Time	Analog#01 10 psi/FP9-ft.....	
1991/08/02	16:18:36.40	4.6994E+00	
1991/08/02	16:18:41.40	4.6417E+00	
1991/08/02	16:18:46.40	4.5998E+00	
1991/08/02	16:18:51.40	4.5579E+00	
1991/08/02	16:18:56.40	4.5160E+00	
1991/08/02	16:19:01.40	4.4929E+00	
1991/08/02	16:19:06.40	4.4410E+00	
1991/08/02	16:19:11.40	4.4222E+00	
1991/08/02	16:19:16.40	4.3977E+00	
1991/08/02	16:19:21.40	4.3572E+00	
1991/08/02	16:19:26.40	4.3081E+00	
1991/08/02	16:19:31.40	4.2850E+00	
1991/08/02	16:19:36.40	4.2562E+00	
1991/08/02	16:19:41.40	4.2273E+00	
1991/08/02	16:19:46.40	4.1854E+00	
1991/08/02	16:19:51.40	4.1493E+00	
1991/08/02	16:19:56.40	4.1392E+00	
1991/08/02	16:20:01.40	4.0930E+00	
1991/08/02	16:20:06.40	4.0728E+00	
1991/08/02	16:20:11.40	4.0396E+00	
1991/08/02	16:20:16.40	4.0180E+00	
1991/08/02	16:20:21.40	3.9746E+00	
1991/08/02	16:20:26.40	3.9616E+00	
1991/08/02	16:20:31.40	3.9328E+00	
1991/08/02	16:20:36.40	3.9126E+00	
1991/08/02	16:20:41.40	3.8750E+00	
1991/08/02	16:20:46.40	3.8447E+00	
1991/08/02	16:20:51.40	3.8332E+00	
1991/08/02	16:20:56.40	3.7768E+00	
1991/08/02	16:21:01.40	3.7653E+00	
1991/08/02	16:21:31.40	3.6050E+00	
1991/08/02	16:22:01.40	3.4708E+00	
1991/08/02	16:22:31.40	3.3423E+00	
1991/08/02	16:23:01.40	3.2311E+00	
1991/08/02	17:01:00.90	3.8591E+00	
1991/08/02	17:01:02.40	3.8649E+00	stop pump
1991/08/02	17:01:03.40	3.8649E+00	
1991/08/02	17:01:05.10	3.8591E+00	
1991/08/02	17:01:05.40	3.8534E+00	
1991/08/02	17:01:06.40	3.8505E+00	
1991/08/02	17:01:07.40	3.8505E+00	
1991/08/02	17:01:08.40	3.9588E+00	
1991/08/02	17:01:10.10	4.1551E+00	
1991/08/02	17:01:10.40	4.1883E+00	
1991/08/02	17:01:11.40	4.2735E+00	
1991/08/02	17:01:12.40	4.3601E+00	
1991/08/02	17:01:13.40	4.4453E+00	
1991/08/02	17:01:15.10	4.6041E+00	
1991/08/02	17:01:15.40	4.6344E+00	
1991/08/02	17:01:16.40	4.7182E+00	
1991/08/02	17:01:17.40	4.8163E+00	
1991/08/02	17:01:18.40	4.9203E+00	
1991/08/02	17:01:20.10	5.1109E+00	
1991/08/02	17:01:20.40	5.1484E+00	

Date	Time	Analog#01 10 psi/FP9-ft.....
1991/08/02	17:01:21.40	5.2451E+00
1991/08/02	17:01:22.40	5.3505E+00
1991/08/02	17:01:23.40	5.4631E+00
1991/08/02	17:01:25.10	5.6653E+00
1991/08/02	17:01:25.40	5.7028E+00
1991/08/02	17:01:26.40	5.8111E+00
1991/08/02	17:01:27.40	5.9295E+00
1991/08/02	17:01:28.40	6.0536E+00
1991/08/02	17:01:30.10	6.2890E+00
1991/08/02	17:01:30.40	6.3323E+00
1991/08/02	17:01:31.40	6.4637E+00
1991/08/02	17:01:33.40	6.7163E+00
1991/08/02	17:01:35.40	6.9704E+00
1991/08/02	17:01:37.40	7.2274E+00
1991/08/02	17:01:39.40	7.4743E+00
1991/08/02	17:01:41.40	7.7212E+00
1991/08/02	17:01:43.40	7.9594E+00
1991/08/02	17:01:45.40	8.1962E+00
1991/08/02	17:01:47.40	8.4272E+00
1991/08/02	17:01:49.40	8.6553E+00
1991/08/02	17:01:51.40	8.8805E+00
1991/08/02	17:01:53.40	9.1028E+00
1991/08/02	17:01:55.40	9.3165E+00
1991/08/02	17:01:57.40	9.5287E+00
1991/08/02	17:01:59.40	9.7352E+00
1991/08/02	17:02:01.40	9.9445E+00
1991/08/02	17:02:06.40	1.0438E+01
991/08/02	17:02:11.40	1.0912E+01
1991/08/02	17:02:16.40	1.1355E+01
1991/08/02	17:02:21.40	1.1782E+01
1991/08/02	17:02:26.40	1.2187E+01
1991/08/02	17:02:31.40	1.2568E+01
1991/08/02	17:02:36.40	1.2933E+01
1991/08/02	17:02:41.40	1.3277E+01
1991/08/02	17:02:46.40	1.3602E+01
1991/08/02	17:02:51.40	1.3911E+01
1991/08/02	17:02:56.40	1.4201E+01
1991/08/02	17:03:01.40	1.4475E+01
1991/08/02	17:03:06.40	1.4731E+01
1991/08/02	17:03:11.40	1.4972E+01
1991/08/02	17:03:16.40	1.5195E+01
1991/08/02	17:03:21.40	1.5428E+01
1991/08/02	17:03:26.40	1.5642E+01
1991/08/02	17:03:31.40	1.5822E+01
1991/08/02	17:03:36.40	1.5992E+01
1991/08/02	17:03:41.40	1.6154E+01
1991/08/02	17:03:46.40	1.6300E+01
1991/08/02	17:03:51.40	1.6450E+01
1991/08/02	17:03:56.40	1.6589E+01
1991/08/02	17:04:01.40	1.6714E+01
1991/08/02	17:04:06.40	1.6818E+01
1991/08/02	17:04:11.40	1.6914E+01
1991/08/02	17:04:16.40	1.7002E+01
1991/08/02	17:04:21.40	1.7087E+01

Date	Time	Analog#01 10 psi/FP9-ft.....
1991/08/02	17:04:26.40	1.7171E+01
1991/08/02	17:04:31.40	1.7246E+01
1991/08/02	17:04:36.40	1.7316E+01
1991/08/02	17:04:41.40	1.7381E+01
1991/08/02	17:04:46.40	1.7439E+01
1991/08/02	17:04:51.40	1.7490E+01
1991/08/02	17:04:56.40	1.7537E+01
1991/08/02	17:05:01.40	1.7582E+01
1991/08/02	17:05:06.40	1.7622E+01
1991/08/02	17:05:11.40	1.7660E+01
1991/08/02	17:05:16.40	1.7699E+01
1991/08/02	17:05:21.40	1.7731E+01
1991/08/02	17:05:26.40	1.7761E+01
1991/08/02	17:05:31.40	1.7788E+01
1991/08/02	17:05:36.40	1.7817E+01
1991/08/02	17:05:41.40	1.7843E+01
1991/08/02	17:05:46.40	1.7868E+01
1991/08/02	17:05:51.40	1.7891E+01
1991/08/02	17:05:56.40	1.7913E+01
1991/08/02	17:06:01.40	1.7933E+01
1991/08/02	17:06:31.40	1.8035E+01
1991/08/02	17:07:01.40	1.8105E+01
1991/08/02	17:07:31.40	1.8162E+01
1991/08/02	17:08:01.40	1.8207E+01
1991/08/02	17:08:31.40	1.8252E+01
1991/08/02	17:09:01.40	1.8285E+01
1991/08/02	17:09:31.40	1.8317E+01
991/08/02	17:10:01.40	1.8346E+01
991/08/02	17:10:31.40	1.8372E+01
1991/08/02	17:11:01.40	1.8396E+01
1991/08/02	17:11:31.40	1.8416E+01
1991/08/02	17:12:01.40	1.8440E+01
1991/08/02	17:12:31.40	1.8455E+01
1991/08/02	17:13:01.40	1.8474E+01
1991/08/02	17:13:31.40	1.8493E+01
1991/08/02	17:14:01.40	1.8509E+01
1991/08/02	17:14:31.40	1.8526E+01
1991/08/02	17:15:01.40	1.8542E+01
1991/08/02	17:15:31.40	1.8558E+01
1991/08/02	17:16:01.40	1.8570E+01
1991/08/02	17:16:31.40	1.8581E+01
1991/08/02	17:17:01.40	1.8591E+01
1991/08/02	17:17:31.40	1.8603E+01
1991/08/02	17:18:01.40	1.8617E+01
1991/08/02	17:18:31.40	1.8626E+01
1991/08/02	17:19:01.40	1.8639E+01
1991/08/02	17:19:31.40	1.8646E+01
1991/08/02	17:20:01.40	1.8655E+01
1991/08/02	17:20:31.40	1.8663E+01
1991/08/02	17:21:01.40	1.8676E+01
1991/08/02	17:22:01.40	1.8694E+01
1991/08/02	17:23:01.40	1.8712E+01
1991/08/02	17:24:01.40	1.8730E+01
1991/08/02	17:25:01.40	1.8740E+01

Date	Time	Analog#01 10 psi/FP9-ft.....
1991/08/02	17:26:01.40	1.8753E+01
1991/08/02	17:27:01.40	1.8772E+01
1991/08/02	17:28:01.40	1.8788E+01
1991/08/02	17:29:01.40	1.8799E+01
1991/08/02	17:30:01.40	1.8811E+01
1991/08/02	17:31:01.40	1.8821E+01
1991/08/02	17:33:01.40	1.8838E+01
1991/08/02	17:35:01.40	1.8855E+01
1991/08/02	17:37:01.40	1.8868E+01
1991/08/02	17:39:01.40	1.8881E+01
1991/08/02	17:41:01.40	1.8891E+01
1991/08/02	17:43:01.40	1.8904E+01
1991/08/02	17:45:01.40	1.8915E+01
1991/08/02	17:47:01.40	1.8923E+01
1991/08/02	17:49:01.40	1.8933E+01
1991/08/02	17:51:01.40	1.8942E+01
1991/08/02	17:53:01.40	1.8948E+01
1991/08/02	17:55:01.40	1.8955E+01
1991/08/02	17:57:01.40	1.8962E+01
1991/08/02	17:59:01.40	1.8969E+01
1991/08/02	18:01:01.40	1.8977E+01
1991/08/02	18:06:01.40	1.8988E+01
1991/08/02	18:11:01.40	1.9001E+01
1991/08/02	18:16:01.40	1.9010E+01
1991/08/02	18:21:01.40	1.9019E+01
1991/08/02	18:26:01.40	1.9027E+01
1991/08/02	18:31:01.40	1.9036E+01
991/08/02	18:36:01.40	1.9037E+01
991/08/02	18:41:01.40	1.9045E+01
1991/08/02	18:46:01.40	1.9052E+01
1991/08/02	18:51:01.40	1.9055E+01
1991/08/02	18:56:01.40	1.9059E+01
1991/08/02	19:01:01.40	1.9062E+01
1991/08/02	19:06:01.40	1.9066E+01
1991/08/02	19:11:01.40	1.9072E+01
1991/08/02	19:16:01.40	1.9075E+01
1991/08/02	19:21:01.40	1.9078E+01
1991/08/02	19:26:01.40	1.9081E+01
1991/08/02	19:31:01.40	1.9082E+01
1991/08/02	19:36:01.40	1.9086E+01
1991/08/02	19:41:01.40	1.9088E+01
1991/08/02	19:46:01.40	1.9092E+01
1991/08/02	19:51:01.40	1.9094E+01
1991/08/02	19:56:01.40	1.9092E+01
1991/08/02	20:01:01.40	1.9098E+01
1991/08/02	20:16:01.40	1.9101E+01
1991/08/02	20:31:01.40	1.9108E+01
1991/08/02	20:46:01.40	1.9109E+01
1991/08/02	21:01:01.40	1.9109E+01
1991/08/02	21:16:01.40	1.9109E+01
1991/08/02	21:31:01.40	1.9111E+01
1991/08/02	21:46:01.40	1.9109E+01
1991/08/02	22:01:01.40	1.9114E+01
1991/08/02	22:16:01.40	1.9114E+01

Date	Time	Analog#01 10 psi/FP9-ft.....
1991/08/02	22:31:01.40	1.9118E+01
1991/08/02	22:46:01.40	1.9117E+01
1991/08/02	23:01:01.40	1.9121E+01
1991/08/02	23:16:01.40	1.9124E+01
1991/08/02	23:31:01.40	1.9122E+01
1991/08/02	23:46:01.40	1.9122E+01
1991/08/03	00:01:01.40	1.9122E+01
1991/08/03	00:31:01.40	1.9124E+01
1991/08/03	01:01:01.40	1.9130E+01
1991/08/03	01:31:01.40	1.9131E+01
1991/08/03	02:01:01.40	1.9135E+01
1991/08/03	02:31:01.40	1.9137E+01
1991/08/03	03:01:01.40	1.9134E+01
1991/08/03	03:31:01.40	1.9137E+01
1991/08/03	04:01:01.40	1.9138E+01
1991/08/03	04:31:01.40	1.9141E+01
1991/08/03	05:01:01.40	1.9140E+01
1991/08/03	05:31:01.40	1.9138E+01
1991/08/03	06:01:01.40	1.9137E+01
1991/08/03	06:31:01.40	1.9134E+01
1991/08/03	07:01:01.40	1.9134E+01
1991/08/03	07:31:01.40	1.9128E+01
1991/08/03	08:01:01.40	1.9127E+01
1991/08/03	09:01:01.40	1.9114E+01
1991/08/03	10:01:01.40	1.9101E+01

STEP-DRAWDOWN TEST 6

DATA

Page # 1 Terra8 Data File --> C:\TEST\STEP6.HEX

Date	Time	Analog#01 10 psi/ W9-47(A1) ft.....	
1991/08/03	14:27:35.20	1.2972E+01	
1991/08/03	14:27:36.40	1.2972E+01	Step 1 1.0 gpm
1991/08/03	14:27:37.40	1.2972E+01	
1991/08/03	14:27:38.40	1.2971E+01	
1991/08/03	14:27:39.40	1.2972E+01	
1991/08/03	14:27:41.10	1.2318E+01	
1991/08/03	14:27:41.40	1.2091E+01	
1991/08/03	14:27:42.40	1.1729E+01	
1991/08/03	14:27:43.40	1.1374E+01	
1991/08/03	14:27:44.40	1.1211E+01	
1991/08/03	14:27:46.10	1.1045E+01	
1991/08/03	14:27:46.40	1.1066E+01	
1991/08/03	14:27:47.40	1.1120E+01	
1991/08/03	14:27:48.40	1.1193E+01	
1991/08/03	14:27:49.40	1.1176E+01	
1991/08/03	14:27:51.10	1.1305E+01	
1991/08/03	14:27:51.40	1.1325E+01	
1991/08/03	14:27:52.40	1.1416E+01	
1991/08/03	14:27:53.40	1.1391E+01	
1991/08/03	14:27:54.40	1.1439E+01	
1991/08/03	14:27:56.10	1.1211E+01	
1991/08/03	14:27:56.40	1.1638E+01	
1991/08/03	14:27:57.40	1.1387E+01	
1991/08/03	14:27:58.40	1.1185E+01	
1991/08/03	14:27:59.40	1.1058E+01	
1991/08/03	14:28:01.10	1.0840E+01	
1991/08/03	14:28:01.40	1.0664E+01	
1991/08/03	14:28:02.40	1.0604E+01	
1991/08/03	14:28:03.40	1.0376E+01	
1991/08/03	14:28:04.40	1.0194E+01	
1991/08/03	14:28:06.10	1.0048E+01	
1991/08/03	14:28:07.40	9.9316E+00	
1991/08/03	14:28:09.40	9.9272E+00	
1991/08/03	14:28:11.40	9.9431E+00	
1991/08/03	14:28:13.40	9.9085E+00	
1991/08/03	14:28:15.40	9.9085E+00	
1991/08/03	14:28:17.40	9.8651E+00	
1991/08/03	14:28:19.40	9.8536E+00	
1991/08/03	14:28:21.40	9.8334E+00	
1991/08/03	14:28:23.40	9.7958E+00	
1991/08/03	14:28:25.40	9.7699E+00	
1991/08/03	14:28:27.40	9.7670E+00	
1991/08/03	14:28:29.40	9.7323E+00	
1991/08/03	14:28:31.40	9.7121E+00	
1991/08/03	14:28:33.40	9.6919E+00	
1991/08/03	14:28:35.40	9.6861E+00	
1991/08/03	14:28:40.40	9.6457E+00	
1991/08/03	14:28:45.40	9.5923E+00	
1991/08/03	14:28:50.40	9.5562E+00	
1991/08/03	14:28:55.40	9.6630E+00	
1991/08/03	14:29:00.40	9.7800E+00	
1991/08/03	14:29:05.40	9.8998E+00	
1991/08/03	14:29:10.40	9.9850E+00	

 Terra8 Data File --> C:\TEST\STEP6.HEX

Date	Time	Analog#01 10 psi/FP9-ft.....
1991/08/03	14:29:15.40	1.0066E+01
1991/08/03	14:29:20.40	1.0155E+01
1991/08/03	14:29:25.40	1.0216E+01
1991/08/03	14:29:30.40	1.0277E+01
1991/08/03	14:29:35.40	1.0330E+01
1991/08/03	14:29:40.40	1.0378E+01
1991/08/03	14:29:45.40	1.0424E+01
1991/08/03	14:29:50.40	1.0474E+01
1991/08/03	14:29:55.40	1.0495E+01
1991/08/03	14:30:00.40	1.0538E+01
1991/08/03	14:30:05.40	1.0570E+01
1991/08/03	14:30:10.40	1.0604E+01
1991/08/03	14:30:15.40	1.0622E+01
1991/08/03	14:30:20.40	1.0630E+01
1991/08/03	14:30:25.40	1.0653E+01
1991/08/03	14:30:30.40	1.0687E+01
1991/08/03	14:30:35.40	1.0727E+01
1991/08/03	14:30:40.40	1.0776E+01
1991/08/03	14:30:45.40	1.0801E+01
1991/08/03	14:30:50.40	1.0834E+01
1991/08/03	14:30:55.40	1.0870E+01
1991/08/03	14:31:00.40	1.0895E+01
1991/08/03	14:31:05.40	1.0909E+01
1991/08/03	14:31:10.40	1.0932E+01
1991/08/03	14:31:15.40	1.0961E+01
1991/08/03	14:31:20.40	1.0968E+01
1991/08/03	14:31:25.40	1.0984E+01
1991/08/03	14:31:30.40	1.1010E+01
1991/08/03	14:31:35.40	1.1009E+01
1991/08/03	14:31:40.40	1.1023E+01
1991/08/03	14:31:45.40	1.1036E+01
1991/08/03	14:31:50.40	1.1062E+01
1991/08/03	14:31:55.40	1.1091E+01
1991/08/03	14:32:00.40	1.1114E+01
1991/08/03	14:32:05.40	1.1153E+01
1991/08/03	14:32:10.40	1.1163E+01
1991/08/03	14:32:15.40	1.1189E+01
1991/08/03	14:32:20.40	1.1198E+01
1991/08/03	14:32:25.40	1.1212E+01
1991/08/03	14:32:30.40	1.1232E+01
1991/08/03	14:32:35.40	1.1247E+01
1991/08/03	14:33:05.40	1.1287E+01
1991/08/03	14:33:35.40	1.1335E+01
1991/08/03	14:34:05.40	1.1335E+01
1991/08/03	14:34:35.40	1.1351E+01
1991/08/03	14:35:05.40	1.1354E+01
1991/08/03	14:35:35.40	1.1361E+01
1991/08/03	14:36:05.40	1.1351E+01
1991/08/03	14:36:35.40	1.1351E+01
1991/08/03	14:37:05.40	1.1354E+01
1991/08/03	14:37:35.40	1.1342E+01
1991/08/03	14:38:05.40	1.1331E+01
1991/08/03	14:38:35.40	1.1328E+01
1991/08/03	14:39:05.40	1.1339E+01

 Terra8 Data File --> C:\TEST\STEP6.HEX

Date	Time	Analog#01 10 psi/FP9-ft.....	
1991/08/03	14:39:35.40	1.1315E+01	
1991/08/03	14:40:05.40	1.1325E+01	
1991/08/03	14:40:35.40	1.1326E+01	
1991/08/03	14:41:05.40	1.1310E+01	
1991/08/03	14:41:35.40	1.1326E+01	
1991/08/03	14:42:05.40	1.1315E+01	
1991/08/03	14:42:35.40	1.1312E+01	
1991/08/03	14:43:05.40	1.1318E+01	
1991/08/03	14:43:35.40	1.1316E+01	
1991/08/03	14:44:05.40	1.1316E+01	
1991/08/03	14:44:35.40	1.1318E+01	
1991/08/03	14:45:05.40	1.1307E+01	
1991/08/03	14:45:35.40	1.1293E+01	
1991/08/03	14:46:05.40	1.1300E+01	
1991/08/03	14:46:35.40	1.1293E+01	
1991/08/03	14:47:05.40	1.1313E+01	
1991/08/03	14:47:35.40	1.1297E+01	
1991/08/03	14:48:35.40	1.1300E+01	
1991/08/03	14:49:35.40	1.1276E+01	
1991/08/03	14:50:35.40	1.1287E+01	
1991/08/03	14:51:35.40	1.1271E+01	
1991/08/03	14:52:35.40	1.1273E+01	
1991/08/03	14:53:35.40	1.1273E+01	
1991/08/03	14:54:35.40	1.1263E+01	
1991/08/03	14:55:35.40	1.1270E+01	
1991/08/03	14:56:35.40	1.1277E+01	
1991/08/03	14:57:35.40	1.1281E+01	
1991/08/03	14:59:35.40	1.1266E+01	
1991/08/03	15:01:35.40	1.1260E+01	
1991/08/03	15:03:35.40	1.1244E+01	
1991/08/03	15:05:35.40	1.1253E+01	
1991/08/03	15:07:35.40	1.1228E+01	
1991/08/03	15:09:35.40	1.1242E+01	
1991/08/03	15:11:35.40	1.1273E+01	
1991/08/03	15:13:35.40	1.1284E+01	
1991/08/03	15:14:53.60	1.1276E+01	
1991/08/03	15:14:54.40	1.1270E+01	Step 2 2.0 gpm
1991/08/03	15:14:55.40	1.1260E+01	
1991/08/03	15:14:56.40	1.1261E+01	
1991/08/03	15:14:58.10	1.1266E+01	
1991/08/03	15:14:58.40	1.1263E+01	
1991/08/03	15:14:59.40	1.1261E+01	
1991/08/03	15:15:00.40	1.1224E+01	
1991/08/03	15:15:01.40	1.1266E+01	
1991/08/03	15:15:03.10	1.1224E+01	
1991/08/03	15:15:03.40	1.1216E+01	
1991/08/03	15:15:04.40	1.1209E+01	
1991/08/03	15:15:05.40	1.1205E+01	
1991/08/03	15:15:06.40	1.1188E+01	
1991/08/03	15:15:08.10	1.1180E+01	
1991/08/03	15:15:08.40	1.1179E+01	
1991/08/03	15:15:09.40	1.1157E+01	
1991/08/03	15:15:10.40	1.1163E+01	
1991/08/03	15:15:11.40	1.1149E+01	

 Terra8 Data File --> C:\TEST\STEP6.HEX

Date	Time	Analog#01 10 psi/FP9-ft.....
1991/08/03	15:15:13.10	1.1127E+01
1991/08/03	15:15:13.40	1.1108E+01
1991/08/03	15:15:14.40	1.1127E+01
1991/08/03	15:15:15.40	1.1097E+01
1991/08/03	15:15:16.40	1.1107E+01
1991/08/03	15:15:18.10	1.1091E+01
1991/08/03	15:15:18.40	1.1075E+01
1991/08/03	15:15:19.40	1.1072E+01
1991/08/03	15:15:20.40	1.1072E+01
1991/08/03	15:15:21.40	1.1053E+01
1991/08/03	15:15:23.10	1.1050E+01
1991/08/03	15:15:23.50	1.1033E+01
1991/08/03	15:15:25.40	1.1042E+01
1991/08/03	15:15:27.40	1.1036E+01
1991/08/03	15:15:29.40	1.0997E+01
1991/08/03	15:15:31.40	1.0993E+01
1991/08/03	15:15:33.40	1.0988E+01
1991/08/03	15:15:35.40	1.0980E+01
1991/08/03	15:15:37.40	1.0968E+01
1991/08/03	15:15:39.40	1.0949E+01
1991/08/03	15:15:41.40	1.0949E+01
1991/08/03	15:15:43.40	1.0932E+01
1991/08/03	15:15:45.40	1.0935E+01
1991/08/03	15:15:47.40	1.0922E+01
1991/08/03	15:15:49.40	1.0908E+01
1991/08/03	15:15:51.40	1.0893E+01
1991/08/03	15:15:53.40	1.0895E+01
991/08/03	15:15:58.40	1.0871E+01
1991/08/03	15:16:03.40	1.0871E+01
1991/08/03	15:16:08.40	1.0845E+01
1991/08/03	15:16:13.40	1.0819E+01
1991/08/03	15:16:18.40	1.0827E+01
1991/08/03	15:16:23.40	1.0808E+01
1991/08/03	15:16:28.40	1.0789E+01
1991/08/03	15:16:33.40	1.0793E+01
1991/08/03	15:16:38.40	1.0776E+01
1991/08/03	15:16:43.40	1.0763E+01
1991/08/03	15:16:48.40	1.0760E+01
1991/08/03	15:16:53.40	1.0756E+01
1991/08/03	15:16:58.40	1.0701E+01
1991/08/03	15:17:03.40	1.0651E+01
1991/08/03	15:17:08.40	1.0604E+01
1991/08/03	15:17:13.40	1.0574E+01
1991/08/03	15:17:18.40	1.0548E+01
1991/08/03	15:17:23.40	1.0512E+01
1991/08/03	15:17:28.40	1.0503E+01
1991/08/03	15:17:33.40	1.0461E+01
1991/08/03	15:17:38.40	1.0444E+01
1991/08/03	15:17:43.40	1.0437E+01
1991/08/03	15:17:48.40	1.0404E+01
1991/08/03	15:17:53.40	1.0405E+01
1991/08/03	15:17:58.40	1.0389E+01
1991/08/03	15:18:03.40	1.0381E+01
1991/08/03	15:18:08.40	1.0365E+01

Date	Time	Analog#01 10 psi/FP9-ft.....
1991/08/03	15:18:13.40	1.0365E+01
1991/08/03	15:18:18.40	1.0339E+01
1991/08/03	15:18:23.40	1.0339E+01
1991/08/03	15:18:28.40	1.0337E+01
1991/08/03	15:18:33.40	1.0308E+01
1991/08/03	15:18:38.40	1.0265E+01
1991/08/03	15:18:43.40	1.0238E+01
1991/08/03	15:18:48.40	1.0183E+01
1991/08/03	15:18:53.40	1.0173E+01
1991/08/03	15:18:58.40	1.0147E+01
1991/08/03	15:19:03.40	1.0137E+01
1991/08/03	15:19:08.40	1.0111E+01
1991/08/03	15:19:13.40	1.0099E+01
1991/08/03	15:19:18.40	1.0095E+01
1991/08/03	15:19:23.40	1.0074E+01
1991/08/03	15:19:28.40	1.0072E+01
1991/08/03	15:19:33.40	1.0053E+01
1991/08/03	15:19:38.40	1.0057E+01
1991/08/03	15:19:43.40	1.0060E+01
1991/08/03	15:19:48.40	1.0048E+01
1991/08/03	15:19:53.40	1.0059E+01
1991/08/03	15:20:23.40	1.0047E+01
1991/08/03	15:20:53.40	1.0033E+01
1991/08/03	15:21:23.40	1.0043E+01
1991/08/03	15:21:53.40	1.0037E+01
1991/08/03	15:22:23.40	1.0033E+01
1991/08/03	15:22:53.40	1.0020E+01
1991/08/03	15:23:23.40	1.0034E+01
1991/08/03	15:23:53.40	1.0044E+01
1991/08/03	15:24:23.40	1.0012E+01
1991/08/03	15:24:53.40	1.0023E+01
1991/08/03	15:25:23.40	1.0023E+01
1991/08/03	15:25:53.40	9.9936E+00
1991/08/03	15:26:23.40	1.0001E+01
1991/08/03	15:26:53.40	1.0001E+01
1991/08/03	15:27:23.40	9.9907E+00
1991/08/03	15:27:53.40	9.9980E+00
1991/08/03	15:28:23.40	9.9907E+00
1991/08/03	15:28:53.40	9.9893E+00
1991/08/03	15:29:23.40	9.9936E+00
1991/08/03	15:29:53.40	9.9806E+00
1991/08/03	15:30:23.40	9.9922E+00
1991/08/03	15:30:53.40	9.9806E+00
1991/08/03	15:31:23.40	9.9922E+00
1991/08/03	15:31:53.40	9.9835E+00
1991/08/03	15:32:23.40	9.9806E+00
1991/08/03	15:32:53.40	9.9806E+00
1991/08/03	15:33:23.40	9.9763E+00
1991/08/03	15:33:53.40	9.9691E+00
1991/08/03	15:34:23.40	9.9720E+00
1991/08/03	15:34:53.40	9.9619E+00
1991/08/03	15:35:53.40	9.9561E+00
1991/08/03	15:36:53.40	9.9518E+00
1991/08/03	15:37:53.40	9.9532E+00

Date	Time	Analog#01 10 psi/FP9-ft.....	
1991/08/03	15:38:53.40	9.9344E+00	
1991/08/03	15:39:53.40	9.9301E+00	
1991/08/03	15:40:53.40	9.9243E+00	
1991/08/03	15:41:53.40	9.9214E+00	
1991/08/03	15:42:53.40	9.9301E+00	
1991/08/03	15:43:53.40	9.9041E+00	
1991/08/03	15:44:53.40	9.9200E+00	
1991/08/03	15:46:53.40	8.6639E+00	
1991/08/03	15:48:53.40	8.1081E+00	Step 3 3.0 gpm
1991/08/03	15:50:53.40	7.5667E+00	
1991/08/03	15:52:53.40	7.3573E+00	
1991/08/03	15:54:53.40	7.3949E+00	
1991/08/03	16:05:51.10	6.8737E+00	
1991/08/03	16:05:53.30	6.8939E+00	
1991/08/03	16:05:54.50	6.8881E+00	
1991/08/03	16:05:56.70	6.8852E+00	
1991/08/03	16:05:59.00	6.8838E+00	
1991/08/03	16:06:53.40	6.8376E+00	
1991/08/03	16:08:53.40	6.7827E+00	
1991/08/03	16:10:53.40	6.7134E+00	
1991/08/03	16:12:53.40	6.6384E+00	
1991/08/03	16:14:53.40	6.5590E+00	
1991/08/03	16:19:53.40	6.4290E+00	
1991/08/03	16:30:41.80	6.0291E+00	
1991/08/03	16:30:43.00	6.0175E+00	
1991/08/03	16:34:53.40	5.8992E+00	
1991/08/03	16:39:53.40	5.7331E+00	
1991/08/03	16:44:53.40	5.6220E+00	
1991/08/03	16:49:53.40	5.5599E+00	
1991/08/03	16:54:53.40	5.4458E+00	
1991/08/03	16:59:53.40	5.3448E+00	
1991/08/03	17:04:53.40	5.2307E+00	
1991/08/03	17:09:53.40	5.1556E+00	
1991/08/03	17:14:53.40	5.1268E+00	
1991/08/03	17:19:53.40	5.0141E+00	
1991/08/03	17:24:53.40	4.9304E+00	
1991/08/03	17:29:53.40	4.8149E+00	
1991/08/03	17:34:53.40	4.6749E+00	
1991/08/03	17:39:53.40	4.5377E+00	
1991/08/03	17:44:53.40	4.3486E+00	
1991/08/03	17:49:53.40	5.1961E+00	
1991/08/03	17:59:22.10	5.4718E+00	Step 4 2.5 gpm
1991/08/03	17:59:53.40	5.4819E+00	
1991/08/03	18:04:53.40	5.4299E+00	
1991/08/03	18:14:53.30	5.3910E+00	
1991/08/03	18:14:55.60	5.4083E+00	
1991/08/03	18:30:57.70	5.2365E+00	
1991/08/03	18:30:59.40	5.2394E+00	
1991/08/03	18:31:00.40	5.2437E+00	
1991/08/03	18:31:01.40	5.2321E+00	stop pump
1991/08/03	18:31:02.40	5.2783E+00	
1991/08/03	18:31:04.10	5.4068E+00	
1991/08/03	18:31:04.40	5.4588E+00	
1991/08/03	18:31:05.40	5.5685E+00	

Date	Time	Analog#01 10 psi/FP9-ft.....
1991/08/03	18:31:06.40	5.6797E+00
1991/08/03	18:31:07.40	5.7779E+00
1991/08/03	18:31:09.10	5.9353E+00
1991/08/03	18:31:09.40	5.9641E+00
1991/08/03	18:31:10.40	6.0406E+00
1991/08/03	18:31:11.40	6.1186E+00
1991/08/03	18:31:12.40	6.1951E+00
1991/08/03	18:31:14.10	6.3135E+00
1991/08/03	18:31:14.50	6.3366E+00
1991/08/03	18:31:15.40	6.3987E+00
1991/08/03	18:31:16.40	6.4622E+00
1991/08/03	18:31:17.40	6.5229E+00
1991/08/03	18:31:19.10	6.6311E+00
1991/08/03	18:31:19.40	6.6528E+00
1991/08/03	18:31:20.40	6.7134E+00
1991/08/03	18:31:21.40	6.7798E+00
1991/08/03	18:31:22.40	6.8434E+00
1991/08/03	18:31:24.10	6.9517E+00
1991/08/03	18:31:24.50	6.9748E+00
1991/08/03	18:31:25.40	7.0339E+00
1991/08/03	18:31:26.40	7.1047E+00
1991/08/03	18:31:27.40	7.1754E+00
1991/08/03	18:31:29.20	7.2982E+00
1991/08/03	18:31:30.40	7.3776E+00
1991/08/03	18:31:32.40	7.5017E+00
1991/08/03	18:31:34.40	7.6172E+00
1991/08/03	18:31:36.40	7.7457E+00
991/08/03	18:31:38.40	7.8973E+00
1991/08/03	18:31:40.40	8.0561E+00
1991/08/03	18:31:42.40	8.2149E+00
1991/08/03	18:31:44.40	8.3694E+00
1991/08/03	18:31:46.40	8.5196E+00
1991/08/03	18:31:48.40	8.6639E+00
1991/08/03	18:31:50.40	8.8069E+00
1991/08/03	18:31:52.40	8.9440E+00
1991/08/03	18:31:54.40	9.0783E+00
1991/08/03	18:31:56.40	9.2342E+00
1991/08/03	18:31:58.40	9.3728E+00
1991/08/03	18:32:03.40	9.7237E+00
1991/08/03	18:32:08.40	1.0053E+01
1991/08/03	18:32:13.40	1.0333E+01
1991/08/03	18:32:18.40	1.0565E+01
1991/08/03	18:32:23.40	1.0756E+01
1991/08/03	18:32:28.40	1.0915E+01
1991/08/03	18:32:33.40	1.1052E+01
1991/08/03	18:32:38.40	1.1150E+01
1991/08/03	18:32:43.40	1.1227E+01
1991/08/03	18:32:48.40	1.1296E+01
1991/08/03	18:32:53.40	1.1357E+01
1991/08/03	18:32:58.40	1.1409E+01
1991/08/03	18:33:03.40	1.1460E+01
1991/08/03	18:33:08.40	1.1512E+01
1991/08/03	18:33:13.40	1.1563E+01
1991/08/03	18:33:18.40	1.1614E+01

Date	Time	Analog#01 10 psi/FP9-ft.....
1991/08/03	18:33:23.40	1.1658E+01
1991/08/03	18:33:28.40	1.1703E+01
1991/08/03	18:33:33.40	1.1749E+01
1991/08/03	18:33:38.40	1.1798E+01
1991/08/03	18:33:43.40	1.1852E+01
1991/08/03	18:33:48.40	1.1904E+01
1991/08/03	18:33:53.40	1.1947E+01
1991/08/03	18:33:58.40	1.1980E+01
1991/08/03	18:34:03.40	1.2009E+01
1991/08/03	18:34:08.40	1.2031E+01
1991/08/03	18:34:13.40	1.2031E+01
1991/08/03	18:34:18.40	1.2019E+01
1991/08/03	18:34:23.40	1.2003E+01
1991/08/03	18:34:28.40	1.1983E+01
1991/08/03	18:34:33.40	1.1960E+01
1991/08/03	18:34:38.40	1.1941E+01
1991/08/03	18:34:43.40	1.1924E+01
1991/08/03	18:34:48.40	1.1909E+01
1991/08/03	18:34:53.40	1.1898E+01
1991/08/03	18:34:58.40	1.1889E+01
1991/08/03	18:35:03.40	1.1881E+01
1991/08/03	18:35:08.40	1.1879E+01
1991/08/03	18:35:13.40	1.1872E+01
1991/08/03	18:35:18.40	1.1868E+01
1991/08/03	18:35:23.40	1.1863E+01
1991/08/03	18:35:28.40	1.1860E+01
1991/08/03	18:35:33.40	1.1859E+01
1991/08/03	18:35:38.40	1.1856E+01
1991/08/03	18:35:43.40	1.1856E+01
1991/08/03	18:35:48.40	1.1858E+01
1991/08/03	18:35:53.40	1.1858E+01
1991/08/03	18:35:58.40	1.1859E+01
1991/08/03	18:36:28.40	1.1869E+01
1991/08/03	18:36:58.40	1.1885E+01
1991/08/03	18:37:28.40	1.1901E+01
1991/08/03	18:37:58.40	1.1915E+01
1991/08/03	18:38:28.40	1.1933E+01
1991/08/03	18:38:58.40	1.1946E+01
1991/08/03	18:39:28.40	1.1957E+01
1991/08/03	18:39:58.40	1.1970E+01
1991/08/03	18:40:28.40	1.1983E+01
1991/08/03	18:40:58.40	1.1996E+01
1991/08/03	18:41:28.40	1.2008E+01
1991/08/03	18:41:58.40	1.2021E+01
1991/08/03	18:42:28.40	1.2031E+01
1991/08/03	18:42:58.40	1.2039E+01
1991/08/03	18:43:28.40	1.2050E+01

AQUIFER PUMPING TEST 1

DATA

 Terra8 Data File --> D:\TEM\SITE9\PUMP1.HEX

Date	Time	Analog#01 10psi/W61-1 ft.....	Analog#02 5psi/p1.... ft.....	Analog#03 5psi/p2.... ft.....	Analog#04 5psi/p3.... ft.....	Analog#05 5psi/p4.... ft.....	Analog#06 5psi/p5.... ft.....	Analog#07 5psi/W9-31A ft.....	
1991/07/10	16:44:56.80	6.9488E+00	5.5945E+00	5.5036E+00	1.1543E+00	5.6804E+00	9.8305E+00	5.0524E+00	
1991/07/10	16:44:59.00	6.9488E+00	5.5916E+00	5.5021E+00	1.1550E+00	5.6812E+00	9.8298E+00	5.0531E+00	start pump
991/07/10	16:44:59.90	6.9473E+00	5.5916E+00	5.5029E+00	1.1550E+00	5.6812E+00	9.8290E+00	5.0524E+00	
991/07/10	16:45:00.70	6.9459E+00	5.5916E+00	5.5029E+00	1.1543E+00	5.6804E+00	9.8305E+00	5.0524E+00	
1991/07/10	16:45:02.60	6.7336E+00	5.5902E+00	5.5021E+00	1.1536E+00	5.6790E+00	9.8312E+00	5.0502E+00	
991/07/10	16:45:03.40	6.6701E+00	5.5909E+00	5.5014E+00	1.1536E+00	5.6775E+00	9.8305E+00	5.0502E+00	
991/07/10	16:45:04.30	6.5950E+00	5.5902E+00	5.5000E+00	1.1536E+00	5.6761E+00	9.8290E+00	5.0495E+00	
1991/07/10	16:45:05.20	6.5330E+00	5.5924E+00	5.4992E+00	1.1528E+00	5.6754E+00	9.8283E+00	5.0488E+00	
1991/07/10	16:45:06.00	6.4897E+00	5.5931E+00	5.4978E+00	1.1521E+00	5.6747E+00	9.8262E+00	5.0473E+00	
991/07/10	16:45:07.90	6.4362E+00	5.5895E+00	5.4978E+00	1.1514E+00	5.6718E+00	9.8283E+00	5.0452E+00	
991/07/10	16:45:08.70	6.4218E+00	5.5902E+00	5.4956E+00	1.1528E+00	5.6710E+00	9.8283E+00	5.0459E+00	
1991/07/10	16:45:09.60	6.4016E+00	5.5902E+00	5.4964E+00	1.1521E+00	5.6696E+00	9.8269E+00	5.0473E+00	
991/07/10	16:45:10.50	6.3814E+00	5.5888E+00	5.4964E+00	1.1514E+00	5.6682E+00	9.8269E+00	5.0473E+00	
991/07/10	16:45:12.30	6.3366E+00	5.5873E+00	5.4956E+00	1.1528E+00	5.6682E+00	9.8276E+00	5.0495E+00	
1991/07/10	16:45:13.20	6.3251E+00	5.5880E+00	5.4949E+00	1.1521E+00	5.6667E+00	9.8276E+00	5.0510E+00	
991/07/10	16:45:14.00	6.3034E+00	5.5880E+00	5.4942E+00	1.1521E+00	5.6653E+00	9.8262E+00	5.0502E+00	
991/07/10	16:45:14.90	6.2947E+00	5.5851E+00	5.4942E+00	1.1514E+00	5.6638E+00	9.8262E+00	5.0488E+00	
1991/07/10	16:45:15.80	6.2875E+00	5.5844E+00	5.4935E+00	1.1507E+00	5.6631E+00	9.8262E+00	5.0495E+00	
1991/07/10	16:45:17.60	6.2601E+00	5.5895E+00	5.4927E+00	1.1507E+00	5.6609E+00	9.8262E+00	5.0502E+00	
991/07/10	16:45:18.50	6.2283E+00	5.5888E+00	5.4935E+00	1.1507E+00	5.6602E+00	9.8269E+00	5.0510E+00	
991/07/10	16:45:19.30	6.2312E+00	5.5880E+00	5.4920E+00	1.1507E+00	5.6602E+00	9.8262E+00	5.0495E+00	
1991/07/10	16:45:20.20	6.2283E+00	5.5895E+00	5.4927E+00	1.1499E+00	5.6595E+00	9.8269E+00	5.0510E+00	
991/07/10	16:45:21.10	6.2110E+00	5.5866E+00	5.4927E+00	1.1499E+00	5.6581E+00	9.8276E+00	5.0502E+00	
[illegible]7/10	16:45:22.90	6.1836E+00	5.5859E+00	5.4920E+00	1.1507E+00	5.6573E+00	9.8262E+00	5.0510E+00	
1991/07/10	16:45:23.80	6.1865E+00	5.5866E+00	5.4913E+00	1.1499E+00	5.6559E+00	9.8254E+00	5.0510E+00	
1991/07/10	16:45:24.60	6.1821E+00	5.5909E+00	5.4920E+00	1.1492E+00	5.6559E+00	9.8240E+00	5.0495E+00	
991/07/10	16:45:25.50	6.1691E+00	5.5866E+00	5.4913E+00	1.1499E+00	5.6552E+00	9.8254E+00	5.0502E+00	
1991/07/10	16:45:27.30	6.1547E+00	5.5851E+00	5.4913E+00	1.1514E+00	5.6544E+00	9.8262E+00	5.0524E+00	
1991/07/10	16:45:28.20	6.1518E+00	5.5880E+00	5.4906E+00	1.1514E+00	5.6537E+00	9.8254E+00	5.0510E+00	
991/07/10	16:45:29.10	6.1547E+00	5.5873E+00	5.4913E+00	1.1507E+00	5.6530E+00	9.8254E+00	5.0510E+00	
991/07/10	16:45:30.00	6.1359E+00	5.5873E+00	5.4906E+00	1.1507E+00	5.6530E+00	9.8269E+00	5.0488E+00	
1991/07/10	16:45:30.90	6.1215E+00	5.5880E+00	5.4899E+00	1.1507E+00	5.6516E+00	9.8262E+00	5.0488E+00	
991/07/10	16:45:32.70	6.1143E+00	5.5866E+00	5.4899E+00	1.1507E+00	5.6508E+00	9.8254E+00	5.0502E+00	
991/07/10	16:45:33.60	6.1186E+00	5.5859E+00	5.4899E+00	1.1499E+00	5.6494E+00	9.8254E+00	5.0481E+00	
1991/07/10	16:45:35.30	6.0941E+00	5.5859E+00	5.4891E+00	1.1499E+00	5.6479E+00	9.8247E+00	5.0488E+00	
1991/07/10	16:45:37.30	6.0912E+00	5.5859E+00	5.4899E+00	1.1492E+00	5.6465E+00	9.8247E+00	5.0502E+00	
1991/07/10	16:45:39.40	6.0955E+00	5.5880E+00	5.4891E+00	1.1485E+00	5.6443E+00	9.8254E+00	5.0495E+00	
1991/07/10	16:45:41.40	6.0782E+00	5.5888E+00	5.4884E+00	1.1492E+00	5.6443E+00	9.8254E+00	5.0502E+00	
1991/07/10	16:45:43.60	6.0739E+00	5.5859E+00	5.4891E+00	1.1492E+00	5.6451E+00	9.8262E+00	5.0502E+00	
1991/07/10	16:45:45.40	6.0551E+00	5.5880E+00	5.4877E+00	1.1499E+00	5.6429E+00	9.8262E+00	5.0495E+00	
1991/07/10	16:45:47.40	6.0392E+00	5.5866E+00	5.4877E+00	1.1485E+00	5.6415E+00	9.8254E+00	5.0481E+00	
1991/07/10	16:45:49.30	6.0450E+00	5.5851E+00	5.4862E+00	1.1485E+00	5.6407E+00	9.8247E+00	5.0488E+00	
1991/07/10	16:45:51.40	6.0435E+00	5.5866E+00	5.4877E+00	1.1471E+00	5.6393E+00	9.8262E+00	5.0481E+00	
1991/07/10	16:45:53.40	6.0320E+00	5.5866E+00	5.4870E+00	1.1478E+00	5.6400E+00	9.8262E+00	5.0517E+00	
1991/07/10	16:45:55.30	6.0204E+00	5.5851E+00	5.4870E+00	1.1492E+00	5.6378E+00	9.8262E+00	5.0517E+00	
1991/07/10	16:45:57.70	6.0233E+00	5.5851E+00	5.4855E+00	1.1485E+00	5.6386E+00	9.8262E+00	5.0517E+00	
1991/07/10	16:46:04.10	6.0074E+00	5.5830E+00	5.4855E+00	1.1478E+00	5.6350E+00	9.8254E+00	5.0495E+00	
1991/07/10	16:46:10.60	6.0031E+00	5.5873E+00	5.4848E+00	1.1485E+00	5.6335E+00	9.8269E+00	5.0517E+00	
1 [illegible]07/10	16:46:17.10	5.9872E+00	5.5880E+00	5.4848E+00	1.1471E+00	5.6313E+00	9.8262E+00	5.0502E+00	
19[illegible]/07/10	16:46:23.50	5.9786E+00	5.5888E+00	5.4848E+00	1.1478E+00	5.6299E+00	9.8269E+00	5.0481E+00	
1991/07/10	16:46:30.00	5.9728E+00	5.5873E+00	5.4841E+00	1.1463E+00	5.6292E+00	9.8276E+00	5.0502E+00	
1991/07/10	16:46:37.40	5.9656E+00	5.5902E+00	5.4848E+00	1.1449E+00	5.6270E+00	9.8283E+00	5.0510E+00	
1991/07/10	16:46:43.90	5.9670E+00	5.5895E+00	5.4848E+00	1.1456E+00	5.6285E+00	9.8290E+00	5.0517E+00	

[illegible]e	Time	Analog#01 10psi/W61-1 ft.....	Analog#02 5psi/p1.... ft.....	Analog#03 5psi/p2.... ft.....	Analog#04 5psi/p3.... ft.....	Analog#05 5psi/p4.... ft.....	Analog#06 5psi/p5.... ft.....	Analog#07 5psi/W9-31A ft.....
1991/07/10	16:46:50.30	5.9482E+00	5.5880E+00	5.4819E+00	1.1434E+00	5.6227E+00	9.8276E+00	5.0495E+00
1991/07/10	16:46:56.80	5.9526E+00	5.5880E+00	5.4819E+00	1.1434E+00	5.6234E+00	9.8305E+00	5.0517E+00
1991/07/10	16:47:03.30	5.9468E+00	5.5873E+00	5.4783E+00	1.1427E+00	5.6234E+00	9.8305E+00	5.0517E+00
1991/07/10	16:47:09.70	5.9497E+00	5.5880E+00	5.4776E+00	1.1398E+00	5.6212E+00	9.8305E+00	5.0517E+00
1991/07/10	16:47:17.10	5.9468E+00	5.5880E+00	5.4761E+00	1.1413E+00	5.6212E+00	9.8319E+00	5.0524E+00
1991/07/10	16:47:23.60	5.9425E+00	5.5873E+00	5.4769E+00	1.1391E+00	5.6212E+00	9.8312E+00	5.0502E+00
1991/07/10	16:47:30.10	5.9367E+00	5.5866E+00	5.4769E+00	1.1398E+00	5.6205E+00	9.8334E+00	5.0524E+00
1991/07/10	16:47:36.50	5.9237E+00	5.5909E+00	5.4761E+00	1.1391E+00	5.6184E+00	9.8327E+00	5.0510E+00
1991/07/10	16:47:43.00	5.9194E+00	5.5866E+00	5.4747E+00	1.1398E+00	5.6184E+00	9.8341E+00	5.0510E+00
1991/07/10	16:47:49.50	5.9280E+00	5.5837E+00	5.4733E+00	1.1391E+00	5.6176E+00	9.8327E+00	5.0517E+00
1991/07/10	16:47:56.90	5.9309E+00	5.5866E+00	5.4747E+00	1.1391E+00	5.6169E+00	9.8341E+00	5.0495E+00
1991/07/10	16:48:03.30	5.9179E+00	5.5873E+00	5.4740E+00	1.1370E+00	5.6155E+00	9.8370E+00	5.0517E+00
1991/07/10	16:48:09.80	5.9223E+00	5.5873E+00	5.4733E+00	1.1377E+00	5.6140E+00	9.8348E+00	5.0531E+00
1991/07/10	16:48:16.30	5.9122E+00	5.5866E+00	5.4761E+00	1.1355E+00	5.6140E+00	9.8327E+00	5.0567E+00
1991/07/10	16:48:22.80	5.9064E+00	5.5866E+00	5.4754E+00	1.1362E+00	5.6133E+00	9.8334E+00	5.0560E+00
1991/07/10	16:48:29.30	5.9150E+00	5.5880E+00	5.4761E+00	1.1348E+00	5.6111E+00	9.8327E+00	5.0546E+00
1991/07/10	16:48:36.70	5.9078E+00	5.5851E+00	5.4754E+00	1.1355E+00	5.6097E+00	9.8327E+00	5.0531E+00
1991/07/10	16:48:43.20	5.8977E+00	5.5880E+00	5.4747E+00	1.1362E+00	5.6097E+00	9.8348E+00	5.0531E+00
1991/07/10	16:48:49.60	5.8977E+00	5.5880E+00	5.4718E+00	1.1348E+00	5.6097E+00	9.8355E+00	5.0531E+00
1991/07/10	16:48:56.10	5.9020E+00	5.5873E+00	5.4704E+00	1.1362E+00	5.6075E+00	9.8348E+00	5.0524E+00
1991/07/10	16:49:02.60	5.9020E+00	5.5859E+00	5.4682E+00	1.1333E+00	5.6054E+00	9.8327E+00	5.0502E+00
1991/07/10	16:49:09.10	5.8948E+00	5.5873E+00	5.4682E+00	1.1333E+00	5.6046E+00	9.8341E+00	5.0517E+00
1991/07/10	16:49:16.50	5.8833E+00	5.5844E+00	5.4668E+00	1.1312E+00	5.6039E+00	9.8327E+00	5.0495E+00
1[illegible]07/10	16:49:23.00	5.8891E+00	5.5844E+00	5.4660E+00	1.1297E+00	5.6017E+00	9.8312E+00	5.0495E+00
19[illegible]07/10	16:49:29.40	5.8934E+00	5.5859E+00	5.4668E+00	1.1290E+00	5.6017E+00	9.8312E+00	5.0517E+00
1991/07/10	16:49:35.90	5.8862E+00	5.5873E+00	5.4682E+00	1.1305E+00	5.6010E+00	9.8312E+00	5.0495E+00
1991/07/10	16:49:42.40	5.8804E+00	5.5866E+00	5.4668E+00	1.1283E+00	5.5996E+00	9.8283E+00	5.0466E+00
1991/07/10	16:49:48.80	5.8833E+00	5.5837E+00	5.4668E+00	1.1276E+00	5.5996E+00	9.8290E+00	5.0488E+00
1991/07/10	16:49:56.30	5.8833E+00	5.5837E+00	5.4646E+00	1.1290E+00	5.5981E+00	9.8290E+00	5.0466E+00
1991/07/10	16:50:02.70	5.8789E+00	5.5837E+00	5.4624E+00	1.1268E+00	5.5967E+00	9.8290E+00	5.0466E+00
1991/07/10	16:50:09.20	5.8746E+00	5.5844E+00	5.4631E+00	1.1254E+00	5.5945E+00	9.8276E+00	5.0488E+00
1991/07/10	16:50:15.60	5.8804E+00	5.5815E+00	5.4631E+00	1.1240E+00	5.5938E+00	9.8276E+00	5.0495E+00
1991/07/10	16:50:22.10	5.8876E+00	5.5844E+00	5.4631E+00	1.1254E+00	5.5974E+00	9.8334E+00	5.0546E+00
1991/07/10	16:50:28.60	5.8674E+00	5.5801E+00	5.4624E+00	1.1240E+00	5.5938E+00	9.8283E+00	5.0488E+00
1991/07/10	16:50:36.00	5.8761E+00	5.5859E+00	5.4624E+00	1.1240E+00	5.5960E+00	9.8327E+00	5.0517E+00
1991/07/10	16:50:42.50	5.8761E+00	5.5823E+00	5.4603E+00	1.1218E+00	5.5924E+00	9.8298E+00	5.0502E+00
1991/07/10	16:50:48.90	5.8616E+00	5.5823E+00	5.4617E+00	1.1189E+00	5.5902E+00	9.8276E+00	5.0502E+00
1991/07/10	16:50:55.40	5.8602E+00	5.5815E+00	5.4610E+00	1.1182E+00	5.5916E+00	9.8276E+00	5.0495E+00
1991/07/10	16:51:01.90	5.8660E+00	5.5823E+00	5.4617E+00	1.1175E+00	5.5902E+00	9.8269E+00	5.0517E+00
1991/07/10	16:51:08.40	5.8616E+00	5.5808E+00	5.4603E+00	1.1175E+00	5.5916E+00	9.8283E+00	5.0510E+00
1991/07/10	16:51:15.90	5.8573E+00	5.5808E+00	5.4588E+00	1.1139E+00	5.5888E+00	9.8276E+00	5.0473E+00
1991/07/10	16:51:22.30	5.8515E+00	5.5815E+00	5.4581E+00	1.1139E+00	5.5888E+00	9.8269E+00	5.0495E+00
1991/07/10	16:51:28.80	5.8544E+00	5.5801E+00	5.4588E+00	1.1131E+00	5.5895E+00	9.8269E+00	5.0502E+00
1991/07/10	16:51:35.30	5.8544E+00	5.5902E+00	5.4603E+00	1.1139E+00	5.5895E+00	9.8262E+00	5.0510E+00
1991/07/10	16:51:57.40	5.8703E+00	5.5866E+00	5.4631E+00	1.1146E+00	5.5916E+00	9.8319E+00	5.0575E+00
1991/07/10	16:52:27.40	5.8616E+00	5.5851E+00	5.4603E+00	1.1110E+00	5.5880E+00	9.8312E+00	5.0524E+00
1991/07/10	16:52:57.30	5.8472E+00	5.5823E+00	5.4559E+00	1.1074E+00	5.5851E+00	9.8305E+00	5.0517E+00
1991/07/10	16:53:27.30	5.8443E+00	5.5794E+00	5.4545E+00	1.1030E+00	5.5830E+00	9.8262E+00	5.0473E+00
1991/07/10	16:53:57.40	5.8429E+00	5.5786E+00	5.4545E+00	1.1001E+00	5.5830E+00	9.8240E+00	5.0517E+00
[illegible]07/10	16:54:27.40	5.8371E+00	5.5823E+00	5.4559E+00	1.0972E+00	5.5801E+00	9.8240E+00	5.0524E+00
1991/07/10	16:54:57.40	5.8299E+00	5.5750E+00	5.4516E+00	1.0922E+00	5.5765E+00	9.8211E+00	5.0466E+00
1991/07/10	16:55:27.40	5.8241E+00	5.5779E+00	5.4494E+00	1.0893E+00	5.5743E+00	9.8197E+00	5.0502E+00
1991/07/10	16:55:57.40	5.8299E+00	5.5729E+00	5.4465E+00	1.0850E+00	5.5707E+00	9.8161E+00	5.0466E+00
1991/07/10	16:56:27.40	5.8212E+00	5.5729E+00	5.4487E+00	1.0850E+00	5.5743E+00	9.8197E+00	5.0459E+00

[illegible]e	Time	Analog#01 10psi/W61-1 ft.....	Analog#02 5psi/p1.... ft.....	Analog#03 5psi/p2.... ft.....	Analog#04 5psi/p3.... ft.....	Analog#05 5psi/p4.... ft.....	Analog#06 5psi/p5.... ft.....	Analog#07 5psi/W9-31A ft.....
1991/07/10	16:56:57.40	5.8212E+00	5.5779E+00	5.4480E+00	1.0835E+00	5.5736E+00	9.8247E+00	5.0567E+00
1991/07/10	16:57:27.40	5.8270E+00	5.5815E+00	5.4502E+00	1.0843E+00	5.5729E+00	9.8276E+00	5.0567E+00
1991/07/10	16:57:57.40	5.8096E+00	5.5801E+00	5.4465E+00	1.0821E+00	5.5685E+00	9.8269E+00	5.0531E+00
1991/07/10	16:58:27.30	5.8082E+00	5.5786E+00	5.4451E+00	1.0792E+00	5.5671E+00	9.8240E+00	5.0524E+00
1991/07/10	16:58:57.40	5.8068E+00	5.5801E+00	5.4458E+00	1.0814E+00	5.5700E+00	9.8276E+00	5.0538E+00
1991/07/10	16:59:27.40	5.7981E+00	5.5750E+00	5.4408E+00	1.0749E+00	5.5620E+00	9.8226E+00	5.0502E+00
1991/07/10	16:59:57.40	5.7865E+00	5.5700E+00	5.4429E+00	1.0713E+00	5.5620E+00	9.8211E+00	5.0531E+00
1991/07/10	17:00:27.30	5.7938E+00	5.5844E+00	5.4437E+00	1.0741E+00	5.5642E+00	9.8226E+00	5.0510E+00
1991/07/10	17:00:57.40	5.7981E+00	5.5736E+00	5.4393E+00	1.0705E+00	5.5613E+00	9.8189E+00	5.0495E+00
1991/07/10	17:01:27.40	5.7909E+00	5.5736E+00	5.4372E+00	1.0669E+00	5.5599E+00	9.8182E+00	5.0502E+00
1991/07/10	17:01:57.40	5.7822E+00	5.5707E+00	5.4336E+00	1.0640E+00	5.5570E+00	9.8182E+00	5.0452E+00
1991/07/10	17:02:27.40	5.7837E+00	5.5707E+00	5.4336E+00	1.0626E+00	5.5555E+00	9.8182E+00	5.0481E+00
1991/07/10	17:02:57.30	5.7837E+00	5.5707E+00	5.4350E+00	1.0597E+00	5.5555E+00	9.8139E+00	5.0502E+00
1991/07/10	17:03:27.30	5.7779E+00	5.5671E+00	5.4343E+00	1.0575E+00	5.5534E+00	9.8168E+00	5.0495E+00
1991/07/10	17:03:57.40	5.7808E+00	5.5722E+00	5.4350E+00	1.0568E+00	5.5534E+00	9.8132E+00	5.0502E+00
1991/07/10	17:04:27.40	5.7562E+00	5.5671E+00	5.4314E+00	1.0554E+00	5.5498E+00	9.8096E+00	5.0466E+00
1991/07/10	17:04:57.40	5.7678E+00	5.5693E+00	5.4314E+00	1.0539E+00	5.5541E+00	9.8139E+00	5.0538E+00
1991/07/10	17:05:57.40	5.7562E+00	5.5671E+00	5.4314E+00	1.0510E+00	5.5491E+00	9.8117E+00	5.0510E+00
1991/07/10	17:06:57.40	5.7649E+00	5.5649E+00	5.4271E+00	1.0482E+00	5.5447E+00	9.8074E+00	5.0452E+00
1991/07/10	17:07:57.40	5.7562E+00	5.5678E+00	5.4285E+00	1.0503E+00	5.5491E+00	9.8117E+00	5.0466E+00
1991/07/10	17:08:57.40	5.7403E+00	5.5664E+00	5.4242E+00	1.0467E+00	5.5411E+00	9.8081E+00	5.0488E+00
1991/07/10	17:09:57.40	5.7418E+00	5.5700E+00	5.4256E+00	1.0482E+00	5.5447E+00	9.8139E+00	5.0553E+00
1991/07/10	17:10:57.40	5.7389E+00	5.5642E+00	5.4213E+00	1.0388E+00	5.5404E+00	9.8067E+00	5.0452E+00
[illegible]07/10	17:11:57.40	5.7432E+00	5.5620E+00	5.4206E+00	1.0381E+00	5.5375E+00	9.8038E+00	5.0502E+00
[illegible]07/10	17:12:57.40	5.7403E+00	5.5606E+00	5.4184E+00	1.0366E+00	5.5353E+00	9.8023E+00	5.0466E+00
1991/07/10	17:13:57.40	5.7274E+00	5.5570E+00	5.4162E+00	1.0330E+00	5.5332E+00	9.8016E+00	5.0488E+00
1991/07/10	17:14:57.40	5.7216E+00	5.5498E+00	5.4133E+00	1.0279E+00	5.5346E+00	9.7951E+00	5.0459E+00
1991/07/10	17:16:57.40	5.7172E+00	5.5555E+00	5.4141E+00	1.0279E+00	5.5332E+00	9.7995E+00	5.0473E+00
1991/07/10	17:18:57.40	5.7187E+00	5.5620E+00	5.4141E+00	1.0279E+00	5.5296E+00	9.7995E+00	5.0481E+00
1991/07/10	17:20:57.40	5.7028E+00	5.5577E+00	5.4090E+00	1.0229E+00	5.5245E+00	9.7922E+00	5.0423E+00
1991/07/10	17:22:57.40	5.6941E+00	5.5563E+00	5.4112E+00	1.0251E+00	5.5245E+00	9.7922E+00	5.0466E+00
1991/07/10	17:24:57.40	5.6898E+00	5.5476E+00	5.4025E+00	1.0164E+00	5.5202E+00	9.7872E+00	5.0452E+00
1991/07/10	17:26:57.40	5.6884E+00	5.5483E+00	5.4003E+00	1.0157E+00	5.5130E+00	9.7857E+00	5.0416E+00
1991/07/10	17:28:57.40	5.6783E+00	5.5440E+00	5.4003E+00	1.0099E+00	5.5115E+00	9.7821E+00	5.0423E+00
1991/07/10	17:30:57.40	5.6783E+00	5.5447E+00	5.3982E+00	1.0085E+00	5.5086E+00	9.7807E+00	5.0445E+00
1991/07/10	17:32:57.40	5.6581E+00	5.5382E+00	5.3917E+00	1.0048E+00	5.5036E+00	9.7727E+00	5.0401E+00
1991/07/10	17:34:57.40	5.6537E+00	5.5404E+00	5.3953E+00	1.0048E+00	5.5072E+00	9.7785E+00	5.0481E+00
1991/07/10	17:36:57.40	5.6422E+00	5.5440E+00	5.3910E+00	1.0012E+00	5.4992E+00	9.7749E+00	5.0430E+00
1991/07/10	17:38:57.40	5.6350E+00	5.5368E+00	5.3881E+00	9.9835E-01	5.4956E+00	9.7720E+00	5.0430E+00
1991/07/10	17:40:57.40	5.6350E+00	5.5375E+00	5.3866E+00	1.0005E+00	5.4956E+00	9.7764E+00	5.0430E+00
1991/07/10	17:42:57.40	5.6191E+00	5.5303E+00	5.3816E+00	9.9186E-01	5.4906E+00	9.7648E+00	5.0394E+00
1991/07/10	17:44:57.40	5.6176E+00	5.5324E+00	5.3830E+00	9.9330E-01	5.4913E+00	9.7648E+00	5.0387E+00
1991/07/10	17:49:57.40	5.6133E+00	5.5411E+00	5.3823E+00	9.9041E-01	5.4877E+00	9.7684E+00	5.0409E+00
1991/07/10	17:54:57.40	5.6017E+00	5.5346E+00	5.3801E+00	9.8897E-01	5.4855E+00	9.7634E+00	5.0394E+00
1991/07/10	17:59:57.40	5.5931E+00	5.5274E+00	5.3744E+00	9.8175E-01	5.4862E+00	9.7554E+00	5.0409E+00
1991/07/10	18:04:57.40	5.5801E+00	5.5274E+00	5.3772E+00	9.8175E-01	5.4826E+00	9.7561E+00	5.0380E+00
1991/07/10	18:09:57.40	5.5714E+00	5.5303E+00	5.3736E+00	9.7958E-01	5.4805E+00	9.7511E+00	5.0344E+00
1991/07/10	18:14:57.40	5.5584E+00	5.5252E+00	5.3707E+00	9.7525E-01	5.4747E+00	9.7475E+00	5.0344E+00
1991/07/10	18:19:57.40	5.5426E+00	5.5231E+00	5.3686E+00	9.7237E-01	5.4718E+00	9.7439E+00	5.0307E+00
1[illegible]07/10	18:24:57.40	5.5368E+00	5.5202E+00	5.3650E+00	9.7164E-01	5.4675E+00	9.7446E+00	5.0293E+00
1991/07/10	18:29:57.40	5.5426E+00	5.5180E+00	5.3643E+00	9.6803E-01	5.4675E+00	9.7403E+00	5.0322E+00
1991/07/10	18:34:57.40	5.5180E+00	5.5187E+00	5.3614E+00	9.6731E-01	5.4631E+00	9.7374E+00	5.0242E+00
1991/07/10	18:39:57.40	5.5007E+00	5.5144E+00	5.3592E+00	9.6587E-01	5.4567E+00	9.7352E+00	5.0228E+00
1991/07/10	18:44:57.40	5.5007E+00	5.5137E+00	5.3592E+00	9.6226E-01	5.4574E+00	9.7323E+00	5.0206E+00

Date	Time	Analog#01 10psi/W61-1 ft.....	Analog#02 5psi/p1.... ft.....	Analog#03 5psi/p2.... ft.....	Analog#04 5psi/p3.... ft.....	Analog#05 5psi/p4.... ft.....	Analog#06 5psi/p5.... ft.....	Analog#07 5psi/W9-31A ft.....
1991/07/10	18:49:57.40	5.4862E+00	5.5130E+00	5.3578E+00	9.6154E-01	5.4545E+00	9.7323E+00	5.0199E+00
1991/07/10	18:54:57.40	5.4906E+00	5.5115E+00	5.3556E+00	9.5937E-01	5.4530E+00	9.7287E+00	5.0199E+00
1991/07/10	18:59:57.40	5.4747E+00	5.5079E+00	5.3549E+00	9.5721E-01	5.4530E+00	9.7258E+00	5.0214E+00
1991/07/10	19:04:57.40	5.4675E+00	5.5086E+00	5.3513E+00	9.5865E-01	5.4494E+00	9.7251E+00	5.0156E+00
1991/07/10	19:09:57.40	5.4704E+00	5.5122E+00	5.3527E+00	9.5504E-01	5.4480E+00	9.7229E+00	5.0156E+00
1991/07/10	19:14:57.40	5.4502E+00	5.5130E+00	5.3541E+00	9.5937E-01	5.4494E+00	9.7258E+00	5.0163E+00
1991/07/10	19:19:57.40	5.4314E+00	5.5065E+00	5.3498E+00	9.5793E-01	5.4451E+00	9.7237E+00	5.0141E+00
1991/07/10	19:24:57.40	5.4357E+00	5.5057E+00	5.3491E+00	9.5576E-01	5.4429E+00	9.7208E+00	5.0149E+00
1991/07/10	19:29:57.40	5.4256E+00	5.5086E+00	5.3498E+00	9.5504E-01	5.4408E+00	9.7186E+00	5.0127E+00
1991/07/10	19:34:57.40	5.4227E+00	5.5014E+00	5.3462E+00	9.5071E-01	5.4372E+00	9.7150E+00	5.0098E+00
1991/07/10	19:39:57.40	5.4112E+00	5.4992E+00	5.3455E+00	9.4927E-01	5.4372E+00	9.7121E+00	5.0098E+00
1991/07/10	19:44:57.40	5.3982E+00	5.4992E+00	5.3440E+00	9.4999E-01	5.4343E+00	9.7107E+00	5.0084E+00
1991/07/10	19:59:57.40	5.3794E+00	5.4964E+00	5.3419E+00	9.4710E-01	5.4314E+00	9.7056E+00	5.0062E+00
1991/07/10	20:14:57.40	5.3578E+00	5.4935E+00	5.3375E+00	9.4566E-01	5.4249E+00	9.7042E+00	5.0026E+00
1991/07/10	20:29:57.40	5.3173E+00	5.4913E+00	5.3347E+00	9.4132E-01	5.4198E+00	9.6984E+00	5.0004E+00
1991/07/10	20:44:57.40	5.2841E+00	5.4848E+00	5.3310E+00	9.3844E-01	5.4148E+00	9.6933E+00	4.9990E+00
1991/07/10	20:59:57.40	5.2524E+00	5.4834E+00	5.3267E+00	9.3555E-01	5.4105E+00	9.6912E+00	4.9954E+00
1991/07/10	21:14:57.40	5.2148E+00	5.4790E+00	5.3224E+00	9.3266E-01	5.4061E+00	9.6861E+00	4.9918E+00
1991/07/10	21:29:57.40	5.2033E+00	5.4747E+00	5.3195E+00	9.2761E-01	5.4011E+00	9.6818E+00	4.9882E+00
1991/07/10	21:44:57.40	5.1657E+00	5.4725E+00	5.3159E+00	9.2544E-01	5.3967E+00	9.6796E+00	4.9853E+00
1991/07/10	21:59:57.40	5.1296E+00	5.4682E+00	5.3123E+00	9.2256E-01	5.3953E+00	9.6861E+00	4.9853E+00
1991/07/10	22:14:57.40	5.0950E+00	5.4646E+00	5.3094E+00	9.1822E-01	5.3888E+00	9.6717E+00	4.9831E+00
1991/07/10	22:29:57.40	5.0661E+00	5.4610E+00	5.3058E+00	9.1389E-01	5.3837E+00	9.6681E+00	4.9831E+00
1991/07/10	22:44:57.40	5.0242E+00	5.4581E+00	5.3022E+00	9.1101E-01	5.3801E+00	9.6666E+00	4.9824E+00
1991/07/10	22:59:57.40	3.3495E+00	5.4538E+00	5.2964E+00	9.0740E-01	5.3715E+00	9.6637E+00	4.9824E+00
1991/07/10	23:14:57.40	4.8481E+00	5.4523E+00	5.2950E+00	9.0379E-01	5.3729E+00	9.6601E+00	4.9809E+00
1991/07/10	23:29:57.40	3.3625E+00	5.4480E+00	5.2906E+00	9.0234E-01	5.3650E+00	9.6572E+00	4.9788E+00
1991/07/10	23:44:57.40	3.2903E+00	5.4451E+00	5.2863E+00	8.9729E-01	5.3635E+00	9.6529E+00	4.9766E+00
1991/07/11	00:14:57.40	4.0959E+00	5.4379E+00	5.2812E+00	8.9079E-01	5.3563E+00	9.6479E+00	4.9737E+00
1991/07/11	00:44:57.40	3.9761E+00	5.4350E+00	5.2755E+00	8.8791E-01	5.3513E+00	9.6414E+00	4.9708E+00
1991/07/11	01:14:57.40	3.8649E+00	5.4278E+00	5.2719E+00	8.8357E-01	5.3448E+00	9.6363E+00	4.9788E+00
1991/07/11	01:44:57.40	3.7740E+00	5.4242E+00	5.2668E+00	8.7924E-01	5.3375E+00	9.6305E+00	4.9708E+00
1991/07/11	02:14:57.40	3.6657E+00	5.4198E+00	5.2617E+00	8.7275E-01	5.3339E+00	9.6269E+00	4.9679E+00
1991/07/11	02:44:57.40	3.5834E+00	5.4141E+00	5.2574E+00	8.6914E-01	5.3282E+00	9.6226E+00	4.9687E+00
1991/07/11	03:14:57.40	3.4996E+00	5.4112E+00	5.2538E+00	8.6625E-01	5.3267E+00	9.6183E+00	4.9737E+00
1991/07/11	03:44:57.40	3.3712E+00	5.4076E+00	5.2495E+00	8.6336E-01	5.3217E+00	9.6154E+00	4.9636E+00
1991/07/11	04:14:57.40	3.2874E+00	5.4025E+00	5.2459E+00	8.5975E-01	5.3173E+00	9.6125E+00	4.9629E+00
1991/07/11	04:44:57.40	3.2326E+00	5.3989E+00	5.2408E+00	8.5542E-01	5.3130E+00	9.6089E+00	4.9600E+00
1991/07/11	05:14:57.40	3.2037E+00	5.3938E+00	5.2372E+00	8.5253E-01	5.3079E+00	9.6045E+00	4.9513E+00
1991/07/11	05:44:57.40	3.1199E+00	5.3902E+00	5.2329E+00	8.4820E-01	5.3029E+00	9.6017E+00	4.9470E+00
1991/07/11	06:14:57.40	3.0376E+00	5.3859E+00	5.2285E+00	8.4387E-01	5.2986E+00	9.5973E+00	4.9420E+00
1991/07/11	06:44:57.40	2.9294E+00	5.3816E+00	5.2242E+00	8.3954E-01	5.2950E+00	9.5944E+00	4.9362E+00
1991/07/11	07:14:57.40	2.7792E+00	5.3758E+00	5.2199E+00	8.3449E-01	5.2906E+00	9.5901E+00	4.9326E+00
1991/07/11	07:44:57.40	2.6493E+00	5.3751E+00	5.2170E+00	8.3088E-01	5.2870E+00	9.5887E+00	4.9340E+00
1991/07/11	08:44:57.40	2.1945E+00	5.3664E+00	5.2090E+00	8.2510E-01	5.2820E+00	9.5814E+00	4.9297E+00
1991/07/11	09:44:57.40	4.3168E-01	5.3426E+00	5.1932E+00	8.0633E-01	5.2690E+00	9.5728E+00	4.9152E+00
1991/07/11	10:44:57.40	1.8769E-02	5.3368E+00	5.1773E+00	7.9262E-01	5.2646E+00	9.5692E+00	4.9059E+00
1991/07/11	11:44:57.40	3.8981E-02	5.3253E+00	5.1737E+00	7.8684E-01	5.2581E+00	9.5576E+00	4.8979E+00
1991/07/11	12:44:57.30	0.0000E+00	5.3043E+00	5.1520E+00	7.6302E-01	5.2581E+00	9.5656E+00	4.8929E+00
1991/07/11	13:44:57.30	0.0000E+00	5.3007E+00	5.1419E+00	7.5797E-01	5.2488E+00	9.5583E+00	4.8929E+00
1991/07/11	14:44:57.30	0.0000E+00	5.2978E+00	5.1419E+00	7.5580E-01	5.2502E+00	9.5504E+00	4.8893E+00
1991/07/11	15:44:57.30	0.0000E+00	5.3065E+00	5.1470E+00	7.6374E-01	5.2488E+00	9.5540E+00	4.8914E+00
1991/07/11	16:44:57.40	1.2994E-02	5.3051E+00	5.1470E+00	7.6519E-01	5.2459E+00	9.5475E+00	4.8871E+00
1991/07/11	17:13:19.30	1.5881E-02	5.3094E+00	5.1491E+00	7.6807E-01	5.2459E+00	9.5497E+00	4.8878E+00

stop pump

te	Time	Analog#01 10psi/W61-1 ft.....	Analog#02 5psi/p1.... ft.....	Analog#03 5psi/p2.... ft.....	Analog#04 5psi/p3.... ft.....	Analog#05 5psi/p4.... ft.....	Analog#06 5psi/p5.... ft.....	Analog#07 5psi/W9-31A ft.....
1991/07/11	17:13:21.50	1.5881E-02	5.3079E+00	5.1484E+00	7.6807E-01	5.2451E+00	9.5504E+00	4.8878E+00
1991/07/11	17:13:22.40	1.5881E-02	5.3079E+00	5.1491E+00	7.6807E-01	5.2444E+00	9.5497E+00	4.8871E+00
1991/07/11	17:13:23.30	1.5881E-02	5.3072E+00	5.1484E+00	7.6807E-01	5.2444E+00	9.5497E+00	4.8871E+00
1991/07/11	17:13:24.10	1.5881E-02	5.3072E+00	5.1477E+00	7.6735E-01	5.2444E+00	9.5497E+00	4.8864E+00
1991/07/11	17:13:25.00	5.3419E-02	5.3065E+00	5.1477E+00	7.6735E-01	5.2437E+00	9.5504E+00	4.8864E+00
1991/07/11	17:13:26.80	6.0493E-01	5.3072E+00	5.1484E+00	7.6807E-01	5.2444E+00	9.5497E+00	4.8864E+00
1991/07/11	17:13:27.70	8.4171E-01	5.3058E+00	5.1477E+00	7.6735E-01	5.2437E+00	9.5504E+00	4.8856E+00
1991/07/11	17:13:28.60	1.0727E+00	5.3051E+00	5.1470E+00	7.6663E-01	5.2430E+00	9.5490E+00	4.8849E+00
1991/07/11	17:13:29.40	1.3023E+00	5.3043E+00	5.1470E+00	7.6663E-01	5.2423E+00	9.5497E+00	4.8842E+00
1991/07/11	17:13:30.30	1.5304E+00	5.3043E+00	5.1470E+00	7.6663E-01	5.2423E+00	9.5482E+00	4.8842E+00
1991/07/11	17:13:32.10	1.9996E+00	5.3051E+00	5.1470E+00	7.6663E-01	5.2423E+00	9.5468E+00	4.8849E+00
1991/07/11	17:13:33.00	2.2219E+00	5.3051E+00	5.1470E+00	7.6591E-01	5.2423E+00	9.5468E+00	4.8835E+00
1991/07/11	17:13:33.90	2.4428E+00	5.3029E+00	5.1462E+00	7.6663E-01	5.2423E+00	9.5468E+00	4.8842E+00
1991/07/11	17:13:34.70	2.6652E+00	5.3029E+00	5.1470E+00	7.6519E-01	5.2415E+00	9.5461E+00	4.8835E+00
1991/07/11	17:13:36.60	3.1214E+00	5.3036E+00	5.1470E+00	7.6519E-01	5.2415E+00	9.5454E+00	4.8835E+00
1991/07/11	17:13:37.40	3.3322E+00	5.3036E+00	5.1462E+00	7.6591E-01	5.2415E+00	9.5461E+00	4.8835E+00
1991/07/11	17:13:38.30	3.5401E+00	5.3029E+00	5.1462E+00	7.6519E-01	5.2423E+00	9.5454E+00	4.8835E+00
1991/07/11	17:13:39.20	3.7494E+00	5.3022E+00	5.1462E+00	7.6447E-01	5.2415E+00	9.5446E+00	4.8842E+00
1991/07/11	17:13:40.00	3.9588E+00	5.3029E+00	5.1462E+00	7.6519E-01	5.2423E+00	9.5439E+00	4.8835E+00
1991/07/11	17:13:41.90	4.3847E+00	5.3029E+00	5.1462E+00	7.6519E-01	5.2423E+00	9.5432E+00	4.8835E+00
1991/07/11	17:13:42.70	4.5796E+00	5.3036E+00	5.1462E+00	7.6447E-01	5.2430E+00	9.5439E+00	4.8842E+00
1991/07/11	17:13:43.60	4.7701E+00	5.3029E+00	5.1470E+00	7.6447E-01	5.2430E+00	9.5439E+00	4.8835E+00
1991/07/11	17:13:44.50	4.9564E+00	5.3029E+00	5.1462E+00	7.6519E-01	5.2430E+00	9.5432E+00	4.8835E+00
1991/07/11	17:13:45.30	5.1397E+00	5.3029E+00	5.1455E+00	7.6591E-01	5.2430E+00	9.5425E+00	4.8835E+00
1991/07/11	17:13:47.20	5.5050E+00	5.3036E+00	5.1470E+00	7.6591E-01	5.2444E+00	9.5425E+00	4.8842E+00
1991/07/11	17:13:48.00	5.6609E+00	5.3036E+00	5.1477E+00	7.6519E-01	5.2444E+00	9.5425E+00	4.8835E+00
1991/07/11	17:13:48.90	5.7981E+00	5.3029E+00	5.1470E+00	7.6519E-01	5.2444E+00	9.5432E+00	4.8835E+00
1991/07/11	17:13:49.80	5.9136E+00	5.3014E+00	5.1470E+00	7.6591E-01	5.2451E+00	9.5396E+00	4.8828E+00
1991/07/11	17:13:51.60	6.0609E+00	5.3022E+00	5.1477E+00	7.6519E-01	5.2473E+00	9.5417E+00	4.8828E+00
1991/07/11	17:13:52.50	6.1056E+00	5.3014E+00	5.1484E+00	7.6519E-01	5.2473E+00	9.5417E+00	4.8828E+00
1991/07/11	17:13:53.40	6.1388E+00	5.3014E+00	5.1484E+00	7.6591E-01	5.2480E+00	9.5410E+00	4.8820E+00
1991/07/11	17:13:54.20	6.1677E+00	5.3007E+00	5.1491E+00	7.6519E-01	5.2502E+00	9.5410E+00	4.8820E+00
1991/07/11	17:13:55.30	6.1951E+00	5.3014E+00	5.1499E+00	7.6519E-01	5.2502E+00	9.5403E+00	4.8835E+00
1991/07/11	17:13:57.40	6.2442E+00	5.3022E+00	5.1513E+00	7.6519E-01	5.2524E+00	9.5396E+00	4.8835E+00
1991/07/11	17:13:59.60	6.2846E+00	5.3007E+00	5.1520E+00	7.6519E-01	5.2538E+00	9.5389E+00	4.8842E+00
1991/07/11	17:14:01.40	6.3106E+00	5.3007E+00	5.1527E+00	7.6447E-01	5.2567E+00	9.5381E+00	4.8842E+00
1991/07/11	17:14:03.40	6.3409E+00	5.3022E+00	5.1535E+00	7.6447E-01	5.2581E+00	9.5396E+00	4.8849E+00
1991/07/11	17:14:05.40	6.3655E+00	5.3014E+00	5.1542E+00	7.6447E-01	5.2603E+00	9.5389E+00	4.8842E+00
1991/07/11	17:14:07.40	6.3900E+00	5.3079E+00	5.1549E+00	7.6374E-01	5.2625E+00	9.5389E+00	4.8849E+00
1991/07/11	17:14:09.30	6.4088E+00	5.3043E+00	5.1564E+00	7.6447E-01	5.2646E+00	9.5389E+00	4.8856E+00
1991/07/11	17:14:11.40	6.4276E+00	5.3022E+00	5.1564E+00	7.6447E-01	5.2668E+00	9.5389E+00	4.8842E+00
1991/07/11	17:14:13.60	6.4449E+00	5.3022E+00	5.1564E+00	7.6447E-01	5.2690E+00	9.5389E+00	4.8856E+00
1991/07/11	17:14:15.40	6.4564E+00	5.3014E+00	5.1571E+00	7.6519E-01	5.2711E+00	9.5389E+00	4.8856E+00
1991/07/11	17:14:17.40	6.4680E+00	5.3014E+00	5.1578E+00	7.6447E-01	5.2726E+00	9.5396E+00	4.8856E+00
1991/07/11	17:14:19.40	6.4795E+00	5.3022E+00	5.1585E+00	7.6519E-01	5.2747E+00	9.5403E+00	4.8864E+00
1991/07/11	17:14:25.90	6.5084E+00	5.3022E+00	5.1607E+00	7.6591E-01	5.2812E+00	9.5417E+00	4.8893E+00
1991/07/11	17:14:32.40	6.5257E+00	5.3014E+00	5.1621E+00	7.6519E-01	5.2834E+00	9.5417E+00	4.8885E+00
1991/07/11	17:14:39.80	6.5387E+00	5.3022E+00	5.1636E+00	7.6519E-01	5.2877E+00	9.5403E+00	4.8864E+00
1991/07/11	17:14:46.30	6.5474E+00	5.3022E+00	5.1657E+00	7.6447E-01	5.2899E+00	9.5410E+00	4.8871E+00
1991/07/11	17:14:52.80	6.5561E+00	5.3043E+00	5.1672E+00	7.6591E-01	5.2935E+00	9.5417E+00	4.8878E+00
1991/07/11	17:14:59.30	6.5618E+00	5.3065E+00	5.1708E+00	7.6735E-01	5.2971E+00	9.5403E+00	4.8878E+00
1991/07/11	17:15:05.80	6.5676E+00	5.3065E+00	5.1701E+00	7.6807E-01	5.2986E+00	9.5417E+00	4.8871E+00
1991/07/11	17:15:12.20	6.5691E+00	5.3072E+00	5.1715E+00	7.6807E-01	5.3014E+00	9.5417E+00	4.8871E+00
1991/07/11	17:15:19.70	6.5719E+00	5.3051E+00	5.1722E+00	7.6807E-01	5.3029E+00	9.5432E+00	4.8871E+00

e	Time	Analog#01 10psi/W61-1 ft.....	Analog#02 5psi/p1.... ft.....	Analog#03 5psi/p2.... ft.....	Analog#04 5psi/p3.... ft.....	Analog#05 5psi/p4.... ft.....	Analog#06 5psi/p5.... ft.....	Analog#07 5psi/W9-31A ft.....
991/07/11	17:15:26.10	6.5734E+00	5.3087E+00	5.1730E+00	7.6807E-01	5.3051E+00	9.5439E+00	4.8864E+00
1991/07/11	17:15:32.60	6.5748E+00	5.3079E+00	5.1730E+00	7.6880E-01	5.3079E+00	9.5446E+00	4.8871E+00
1991/07/11	17:15:39.00	6.5763E+00	5.3087E+00	5.1744E+00	7.6952E-01	5.3087E+00	9.5461E+00	4.8878E+00
991/07/11	17:15:45.50	6.5792E+00	5.3072E+00	5.1744E+00	7.6880E-01	5.3101E+00	9.5475E+00	4.8885E+00
1991/07/11	17:15:52.00	6.5835E+00	5.3116E+00	5.1758E+00	7.7096E-01	5.3137E+00	9.5482E+00	4.8900E+00
1991/07/11	17:15:59.50	6.5849E+00	5.3108E+00	5.1766E+00	7.7024E-01	5.3137E+00	9.5468E+00	4.8871E+00
991/07/11	17:16:05.90	6.5893E+00	5.3116E+00	5.1773E+00	7.6952E-01	5.3144E+00	9.5482E+00	4.8893E+00
991/07/11	17:16:12.40	6.5922E+00	5.3108E+00	5.1773E+00	7.7024E-01	5.3166E+00	9.5490E+00	4.8885E+00
1991/07/11	17:16:18.90	6.5936E+00	5.3116E+00	5.1773E+00	7.6952E-01	5.3166E+00	9.5497E+00	4.8878E+00
1991/07/11	17:16:25.40	6.5965E+00	5.3108E+00	5.1780E+00	7.6880E-01	5.3181E+00	9.5511E+00	4.8871E+00
991/07/11	17:16:31.80	6.5965E+00	5.3123E+00	5.1795E+00	7.6952E-01	5.3181E+00	9.5504E+00	4.8864E+00
1991/07/11	17:16:39.20	6.5979E+00	5.3123E+00	5.1809E+00	7.7096E-01	5.3195E+00	9.5490E+00	4.8885E+00
1991/07/11	17:16:45.70	6.6008E+00	5.3123E+00	5.1831E+00	7.7168E-01	5.3217E+00	9.5497E+00	4.8900E+00
991/07/11	17:16:52.20	6.6023E+00	5.3130E+00	5.1831E+00	7.7168E-01	5.3217E+00	9.5497E+00	4.8893E+00
991/07/11	17:16:58.70	6.6037E+00	5.3123E+00	5.1823E+00	7.7168E-01	5.3209E+00	9.5468E+00	4.8864E+00
1991/07/11	17:17:05.10	6.6037E+00	5.3094E+00	5.1809E+00	7.7241E-01	5.3224E+00	9.5490E+00	4.8856E+00
991/07/11	17:17:11.60	6.6052E+00	5.3094E+00	5.1809E+00	7.7096E-01	5.3217E+00	9.5475E+00	4.8864E+00
991/07/11	17:17:19.10	6.6080E+00	5.3116E+00	5.1816E+00	7.7096E-01	5.3231E+00	9.5482E+00	4.8878E+00
1991/07/11	17:17:25.50	6.6095E+00	5.3101E+00	5.1823E+00	7.7168E-01	5.3238E+00	9.5475E+00	4.8871E+00
1991/07/11	17:17:32.00	6.6095E+00	5.3108E+00	5.1831E+00	7.7024E-01	5.3238E+00	9.5468E+00	4.8856E+00
991/07/11	17:17:38.50	6.6124E+00	5.3094E+00	5.1831E+00	7.7096E-01	5.3253E+00	9.5482E+00	4.8885E+00
1991/07/11	17:17:45.00	6.6124E+00	5.3094E+00	5.1838E+00	7.7241E-01	5.3267E+00	9.5482E+00	4.8893E+00
1991/07/11	17:17:51.50	6.6153E+00	5.3094E+00	5.1852E+00	7.7385E-01	5.3274E+00	9.5475E+00	4.8878E+00
1991/07/11	17:17:58.90	6.6167E+00	5.3101E+00	5.1867E+00	7.7385E-01	5.3282E+00	9.5454E+00	4.8849E+00
07/11	17:18:05.30	6.6167E+00	5.3094E+00	5.1874E+00	7.7457E-01	5.3289E+00	9.5439E+00	4.8864E+00
1991/07/11	17:18:11.80	6.6167E+00	5.3087E+00	5.1881E+00	7.7385E-01	5.3274E+00	9.5468E+00	4.8885E+00
1991/07/11	17:18:18.30	6.6181E+00	5.3101E+00	5.1881E+00	7.7385E-01	5.3303E+00	9.5482E+00	4.8893E+00
1991/07/11	17:18:24.80	6.6181E+00	5.3101E+00	5.1903E+00	7.7602E-01	5.3339E+00	9.5490E+00	4.8907E+00
1991/07/11	17:18:31.30	6.6181E+00	5.3116E+00	5.1917E+00	7.7602E-01	5.3325E+00	9.5475E+00	4.8893E+00
1991/07/11	17:18:38.70	6.6210E+00	5.3108E+00	5.1924E+00	7.7529E-01	5.3347E+00	9.5504E+00	4.8907E+00
1991/07/11	17:18:45.20	6.6225E+00	5.3130E+00	5.1939E+00	7.7746E-01	5.3361E+00	9.5511E+00	4.8907E+00
1991/07/11	17:18:51.60	6.6225E+00	5.3137E+00	5.1939E+00	7.7818E-01	5.3361E+00	9.5511E+00	4.8893E+00
1991/07/11	17:18:58.10	6.6225E+00	5.3144E+00	5.1939E+00	7.7818E-01	5.3368E+00	9.5511E+00	4.8893E+00
1991/07/11	17:19:04.60	6.6239E+00	5.3144E+00	5.1953E+00	7.7818E-01	5.3375E+00	9.5511E+00	4.8885E+00
1991/07/11	17:19:11.10	6.6254E+00	5.3152E+00	5.1968E+00	7.8035E-01	5.3383E+00	9.5475E+00	4.8878E+00
1991/07/11	17:19:18.50	6.6254E+00	5.3166E+00	5.1997E+00	7.8035E-01	5.3397E+00	9.5475E+00	4.8878E+00
1991/07/11	17:19:25.00	6.6268E+00	5.3181E+00	5.2018E+00	7.8179E-01	5.3419E+00	9.5490E+00	4.8893E+00
1991/07/11	17:19:31.50	6.6297E+00	5.3195E+00	5.2033E+00	7.8323E-01	5.3440E+00	9.5490E+00	4.8921E+00
1991/07/11	17:19:38.00	6.6311E+00	5.3195E+00	5.2026E+00	7.8540E-01	5.3455E+00	9.5518E+00	4.8943E+00
1991/07/11	17:19:44.40	6.6326E+00	5.3195E+00	5.2018E+00	7.8684E-01	5.3476E+00	9.5533E+00	4.8929E+00
1991/07/11	17:19:50.90	6.6326E+00	5.3188E+00	5.1997E+00	7.8829E-01	5.3462E+00	9.5540E+00	4.8893E+00
1991/07/11	17:19:58.40	6.6297E+00	5.3181E+00	5.1982E+00	7.8757E-01	5.3448E+00	9.5526E+00	4.8864E+00
1991/07/11	17:20:19.40	6.6369E+00	5.3209E+00	5.2011E+00	7.8757E-01	5.3448E+00	9.5504E+00	4.8907E+00
1991/07/11	17:20:49.40	6.6355E+00	5.3238E+00	5.2047E+00	7.9045E-01	5.3484E+00	9.5518E+00	4.8871E+00
1991/07/11	17:21:19.40	6.6384E+00	5.3253E+00	5.2047E+00	7.8973E-01	5.3476E+00	9.5533E+00	4.8885E+00
1991/07/11	17:21:49.40	6.6441E+00	5.3354E+00	5.2083E+00	7.9551E-01	5.3527E+00	9.5533E+00	4.8878E+00
1991/07/11	17:22:19.40	6.6470E+00	5.3347E+00	5.2112E+00	7.9767E-01	5.3527E+00	9.5555E+00	4.8900E+00
1991/07/11	17:22:49.40	6.6485E+00	5.3296E+00	5.2090E+00	7.9623E-01	5.3534E+00	9.5540E+00	4.8893E+00
1991/07/11	17:23:19.40	6.6514E+00	5.3245E+00	5.2083E+00	7.9623E-01	5.3549E+00	9.5526E+00	4.8907E+00
07/11	17:23:49.40	6.6514E+00	5.3224E+00	5.2090E+00	7.9695E-01	5.3549E+00	9.5504E+00	4.8907E+00
1991/07/11	17:24:19.40	6.6571E+00	5.3253E+00	5.2170E+00	8.0128E-01	5.3614E+00	9.5526E+00	4.8958E+00
1991/07/11	17:24:49.30	6.6557E+00	5.3231E+00	5.2148E+00	8.0200E-01	5.3606E+00	9.5540E+00	4.8900E+00
1991/07/11	17:25:19.40	6.6571E+00	5.3238E+00	5.2141E+00	8.0272E-01	5.3592E+00	9.5497E+00	4.8871E+00
1991/07/11	17:25:49.30	6.6586E+00	5.3253E+00	5.2163E+00	8.0417E-01	5.3628E+00	9.5533E+00	4.8914E+00

Date	Time	Analog#01 10psi/W61-1 ft.....	Analog#02 5psi/p1.... ft.....	Analog#03 5psi/p2.... ft.....	Analog#04 5psi/p3.... ft.....	Analog#05 5psi/p4.... ft.....	Analog#06 5psi/p5.... ft.....	Analog#07 5psi/W9-31A ft.....
1991/07/11	17:26:19.30	6.6586E+00	5.3296E+00	5.2184E+00	8.0489E-01	5.3635E+00	9.5533E+00	4.8900E+00
1991/07/11	17:26:49.40	6.6629E+00	5.3289E+00	5.2199E+00	8.0922E-01	5.3650E+00	9.5562E+00	4.8900E+00
1991/07/11	17:27:19.40	6.6629E+00	5.3267E+00	5.2199E+00	8.0778E-01	5.3664E+00	9.5555E+00	4.8885E+00
1991/07/11	17:27:49.40	6.6658E+00	5.3318E+00	5.2235E+00	8.1355E-01	5.3693E+00	9.5547E+00	4.8907E+00
1991/07/11	17:28:19.40	6.6672E+00	5.3318E+00	5.2249E+00	8.1572E-01	5.3693E+00	9.5562E+00	4.8914E+00
1991/07/11	17:28:49.40	6.6701E+00	5.3332E+00	5.2257E+00	8.1572E-01	5.3707E+00	9.5569E+00	4.8907E+00
1991/07/11	17:29:19.40	6.6701E+00	5.3339E+00	5.2264E+00	8.2005E-01	5.3729E+00	9.5598E+00	4.8921E+00
1991/07/11	17:29:49.30	6.6701E+00	5.3347E+00	5.2271E+00	8.2077E-01	5.3736E+00	9.5576E+00	4.8893E+00
1991/07/11	17:30:19.30	6.6701E+00	5.3404E+00	5.2307E+00	8.2366E-01	5.3765E+00	9.5576E+00	4.8907E+00
1991/07/11	17:30:49.40	6.6730E+00	5.3383E+00	5.2293E+00	8.2510E-01	5.3758E+00	9.5583E+00	4.8900E+00
1991/07/11	17:31:19.40	6.6745E+00	5.3361E+00	5.2307E+00	8.2582E-01	5.3765E+00	9.5569E+00	4.8900E+00
1991/07/11	17:31:49.40	6.6773E+00	5.3347E+00	5.2300E+00	8.2582E-01	5.3765E+00	9.5547E+00	4.8921E+00
1991/07/11	17:32:19.40	6.6788E+00	5.3361E+00	5.2314E+00	8.2655E-01	5.3787E+00	9.5533E+00	4.8921E+00
1991/07/11	17:32:49.40	6.6788E+00	5.3368E+00	5.2321E+00	8.2943E-01	5.3787E+00	9.5555E+00	4.8900E+00
1991/07/11	17:33:19.40	6.6788E+00	5.3361E+00	5.2343E+00	8.3016E-01	5.3780E+00	9.5547E+00	4.8900E+00
1991/07/11	17:34:19.40	6.6831E+00	5.3397E+00	5.2350E+00	8.3737E-01	5.3830E+00	9.5591E+00	4.8885E+00
1991/07/11	17:35:19.40	6.6860E+00	5.3484E+00	5.2408E+00	8.4315E-01	5.3881E+00	9.5627E+00	4.8914E+00
1991/07/11	17:36:19.40	6.6889E+00	5.3513E+00	5.2430E+00	8.4748E-01	5.3881E+00	9.5663E+00	4.8958E+00
1991/07/11	17:37:19.40	6.6903E+00	5.3491E+00	5.2430E+00	8.4965E-01	5.3910E+00	9.5685E+00	4.8943E+00
1991/07/11	17:38:19.40	6.6947E+00	5.3462E+00	5.2466E+00	8.5326E-01	5.3938E+00	9.5634E+00	4.8943E+00
1991/07/11	17:39:19.40	6.6947E+00	5.3491E+00	5.2495E+00	8.5614E-01	5.3946E+00	9.5670E+00	4.8958E+00
1991/07/11	17:40:19.40	6.6961E+00	5.3513E+00	5.2480E+00	8.5687E-01	5.3931E+00	9.5663E+00	4.8921E+00
1991/07/11	17:41:19.40	6.6976E+00	5.3527E+00	5.2495E+00	8.5614E-01	5.3953E+00	9.5677E+00	4.8979E+00
1991/07/11	17:42:19.40	6.6990E+00	5.3484E+00	5.2488E+00	8.5759E-01	5.3960E+00	9.5677E+00	4.9015E+00
1991/07/11	17:43:19.40	6.6990E+00	5.3498E+00	5.2502E+00	8.5831E-01	5.3960E+00	9.5677E+00	4.8929E+00
1991/07/11	17:45:19.40	6.7048E+00	5.3498E+00	5.2545E+00	8.6481E-01	5.3996E+00	9.5670E+00	4.8965E+00
1991/07/11	17:47:19.40	6.7062E+00	5.3592E+00	5.2610E+00	8.7419E-01	5.4032E+00	9.5771E+00	4.8958E+00
1991/07/11	17:49:19.40	6.7091E+00	5.3621E+00	5.2603E+00	8.7997E-01	5.4061E+00	9.5786E+00	4.8965E+00
1991/07/11	17:51:19.40	6.7120E+00	5.3592E+00	5.2603E+00	8.8357E-01	5.4083E+00	9.5771E+00	4.8936E+00
1991/07/11	17:53:19.40	6.7149E+00	5.3599E+00	5.2654E+00	8.8791E-01	5.4105E+00	9.5800E+00	4.8958E+00
1991/07/11	17:55:19.40	6.7178E+00	5.3664E+00	5.2704E+00	8.9224E-01	5.4141E+00	9.5843E+00	4.8986E+00
1991/07/11	17:57:19.40	6.7192E+00	5.3657E+00	5.2697E+00	8.9657E-01	5.4148E+00	9.5879E+00	4.8972E+00
1991/07/11	17:59:19.30	6.7221E+00	5.3621E+00	5.2719E+00	8.9801E-01	5.4162E+00	9.5822E+00	4.8972E+00
1991/07/11	18:01:19.40	6.7250E+00	5.3715E+00	5.2740E+00	9.0307E-01	5.4198E+00	9.5916E+00	4.8979E+00
1991/07/11	18:03:19.40	6.7250E+00	5.3744E+00	5.2755E+00	9.0667E-01	5.4206E+00	9.5908E+00	4.8979E+00
1991/07/11	18:05:19.40	6.7264E+00	5.3700E+00	5.2769E+00	9.0812E-01	5.4213E+00	9.5908E+00	4.8979E+00
1991/07/11	18:07:19.40	6.7322E+00	5.3707E+00	5.2791E+00	9.1389E-01	5.4263E+00	9.5952E+00	4.9008E+00
1991/07/11	18:09:19.40	6.7322E+00	5.3787E+00	5.2834E+00	9.1750E-01	5.4278E+00	9.5988E+00	4.9044E+00
1991/07/11	18:11:19.40	6.7351E+00	5.3751E+00	5.2834E+00	9.1967E-01	5.4285E+00	9.5973E+00	4.9001E+00
1991/07/11	18:13:19.40	6.7365E+00	5.3744E+00	5.2856E+00	9.2256E-01	5.4307E+00	9.5995E+00	4.9030E+00
1991/07/11	18:18:19.30	6.7409E+00	5.3859E+00	5.2906E+00	9.3122E-01	5.4350E+00	9.6110E+00	4.9023E+00
1991/07/11	18:23:19.40	6.7438E+00	5.3888E+00	5.2950E+00	9.3772E-01	5.4400E+00	9.6125E+00	4.9023E+00
1991/07/11	18:28:19.40	6.7481E+00	5.3866E+00	5.2978E+00	9.4277E-01	5.4422E+00	9.6147E+00	4.9044E+00
1991/07/11	18:33:19.40	6.7510E+00	5.3881E+00	5.2993E+00	9.4710E-01	5.4465E+00	9.6161E+00	4.9030E+00
1991/07/11	18:38:19.40	6.7582E+00	5.3982E+00	5.3065E+00	9.5648E-01	5.4516E+00	9.6262E+00	4.9023E+00
1991/07/11	18:43:19.40	6.7611E+00	5.3975E+00	5.3094E+00	9.5865E-01	5.4545E+00	9.6240E+00	4.9051E+00
1991/07/11	18:48:19.40	6.7640E+00	5.4083E+00	5.3144E+00	9.6154E-01	5.4581E+00	9.6291E+00	4.9066E+00
1991/07/11	18:53:19.40	6.7683E+00	5.4061E+00	5.3152E+00	9.6659E-01	5.4617E+00	9.6341E+00	4.9073E+00
1991/07/11	18:58:19.40	6.7712E+00	5.4083E+00	5.3195E+00	9.7092E-01	5.4631E+00	9.6356E+00	4.9066E+00
1991/07/11	19:03:19.40	6.7741E+00	5.4112E+00	5.3195E+00	9.7597E-01	5.4660E+00	9.6392E+00	4.9073E+00
1991/07/11	19:08:19.40	6.7770E+00	5.4198E+00	5.3238E+00	9.7814E-01	5.4696E+00	9.6428E+00	4.9087E+00
1991/07/11	19:13:19.40	6.7798E+00	5.4206E+00	5.3289E+00	9.8103E-01	5.4718E+00	9.6428E+00	4.9087E+00
1991/07/11	19:18:19.40	6.7856E+00	5.4191E+00	5.3303E+00	9.8536E-01	5.4747E+00	9.6464E+00	4.9080E+00
1991/07/11	19:23:19.40	6.7871E+00	5.4234E+00	5.3325E+00	9.8897E-01	5.4776E+00	9.6515E+00	4.9095E+00

Date	Time	Analog#01 10psi/W61-1 ft.....	Analog#02 5psi/p1.... ft.....	Analog#03 5psi/p2.... ft.....	Analog#04 5psi/p3.... ft.....	Analog#05 5psi/p4.... ft.....	Analog#06 5psi/p5.... ft.....	Analog#07 5psi/W9-31A ft.....
1991/07/11	19:28:19.40	6.7900E+00	5.4242E+00	5.3368E+00	9.8969E-01	5.4790E+00	9.6515E+00	4.9080E+00
1991/07/11	19:33:19.40	6.7943E+00	5.4271E+00	5.3397E+00	9.9402E-01	5.4826E+00	9.6558E+00	4.9102E+00
1991/07/11	19:38:19.40	6.7957E+00	5.4314E+00	5.3412E+00	9.9619E-01	5.4841E+00	9.6580E+00	4.9095E+00
1991/07/11	19:43:19.40	6.7972E+00	5.4336E+00	5.3433E+00	9.9980E-01	5.4855E+00	9.6587E+00	4.9087E+00
1991/07/11	19:48:19.40	6.8029E+00	5.4350E+00	5.3469E+00	1.0020E+00	5.4891E+00	9.6609E+00	4.9109E+00
1991/07/11	19:53:19.40	6.8073E+00	5.4364E+00	5.3491E+00	1.0048E+00	5.4906E+00	9.6630E+00	4.9116E+00
1991/07/11	19:58:19.40	6.8087E+00	5.4379E+00	5.3513E+00	1.0070E+00	5.4913E+00	9.6637E+00	4.9116E+00
1991/07/11	20:03:19.40	6.8116E+00	5.4415E+00	5.3549E+00	1.0092E+00	5.4949E+00	9.6652E+00	4.9138E+00
1991/07/11	20:08:19.40	6.8159E+00	5.4451E+00	5.3563E+00	1.0121E+00	5.4964E+00	9.6688E+00	4.9131E+00
1991/07/11	20:13:19.40	6.8188E+00	5.4458E+00	5.3621E+00	1.0150E+00	5.4992E+00	9.6710E+00	4.9131E+00
1991/07/11	20:28:19.40	6.8260E+00	5.4523E+00	5.3679E+00	1.0207E+00	5.5036E+00	9.6738E+00	4.9116E+00
1991/07/11	20:43:19.40	6.8347E+00	5.4574E+00	5.3744E+00	1.0265E+00	5.5086E+00	9.6717E+00	4.9051E+00
1991/07/11	20:58:19.40	6.8419E+00	5.4646E+00	5.3801E+00	1.0330E+00	5.5137E+00	9.6832E+00	4.9131E+00
1991/07/11	21:13:19.40	6.8477E+00	5.4682E+00	5.3852E+00	1.0381E+00	5.5180E+00	9.6854E+00	4.9116E+00
1991/07/11	21:28:19.40	6.8535E+00	5.4740E+00	5.3902E+00	1.0431E+00	5.5223E+00	9.6912E+00	4.9109E+00
1991/07/11	21:43:19.40	6.8593E+00	5.4769E+00	5.3946E+00	1.0474E+00	5.5267E+00	9.6948E+00	4.9116E+00
1991/07/11	21:58:19.40	6.8650E+00	5.4826E+00	5.3989E+00	1.0518E+00	5.5303E+00	9.6969E+00	4.9131E+00
1991/07/11	22:13:19.40	6.8694E+00	5.4862E+00	5.4032E+00	1.0561E+00	5.5339E+00	9.6991E+00	4.9138E+00
1991/07/11	22:28:19.40	6.8722E+00	5.4891E+00	5.4068E+00	1.0590E+00	5.5368E+00	9.7042E+00	4.9145E+00
1991/07/11	22:43:19.40	6.8780E+00	5.4935E+00	5.4097E+00	1.0626E+00	5.5404E+00	9.7063E+00	4.9174E+00
1991/07/11	22:58:19.40	6.8824E+00	5.4956E+00	5.4141E+00	1.0655E+00	5.5433E+00	9.7092E+00	4.9210E+00
1991/07/11	23:13:19.40	6.8838E+00	5.4985E+00	5.4162E+00	1.0684E+00	5.5454E+00	9.7128E+00	4.9246E+00
1991/07/11	23:28:19.40	6.8867E+00	5.5021E+00	5.4198E+00	1.0720E+00	5.5491E+00	9.7150E+00	4.9275E+00
1991/07/11	23:43:19.40	6.8910E+00	5.5050E+00	5.4227E+00	1.0749E+00	5.5512E+00	9.7179E+00	4.9297E+00
1991/07/11	23:58:19.40	6.8939E+00	5.5086E+00	5.4249E+00	1.0770E+00	5.5541E+00	9.7208E+00	4.9347E+00
1991/07/12	00:13:19.40	6.8968E+00	5.5108E+00	5.4285E+00	1.0792E+00	5.5570E+00	9.7244E+00	4.9383E+00
1991/07/12	00:43:19.40	6.9026E+00	5.5151E+00	5.4328E+00	1.0843E+00	5.5620E+00	9.7294E+00	4.9434E+00
1991/07/12	01:13:19.40	6.9069E+00	5.5195E+00	5.4386E+00	1.0879E+00	5.5671E+00	9.7338E+00	4.9499E+00
1991/07/12	01:43:19.40	6.9098E+00	5.5238E+00	5.4422E+00	1.0915E+00	5.5714E+00	9.7388E+00	4.9528E+00
1991/07/12	02:13:19.40	6.9127E+00	5.5260E+00	5.4458E+00	1.0944E+00	5.5750E+00	9.7424E+00	4.9528E+00
1991/07/12	02:43:19.40	6.9156E+00	5.5288E+00	5.4487E+00	1.0972E+00	5.5779E+00	9.7453E+00	4.9557E+00
1991/07/12	03:13:19.40	6.9184E+00	5.5324E+00	5.4509E+00	1.1009E+00	5.5815E+00	9.7504E+00	4.9586E+00
1991/07/12	03:43:19.40	6.9213E+00	5.5353E+00	5.4538E+00	1.1030E+00	5.5844E+00	9.7540E+00	4.9586E+00
1991/07/12	04:13:19.40	6.9242E+00	5.5382E+00	5.4574E+00	1.1059E+00	5.5873E+00	9.7569E+00	4.9600E+00
1991/07/12	04:43:19.40	6.9271E+00	5.5418E+00	5.4595E+00	1.1095E+00	5.5902E+00	9.7583E+00	4.9629E+00
1991/07/12	05:13:19.40	6.9300E+00	5.5440E+00	5.4631E+00	1.1110E+00	5.5924E+00	9.7612E+00	4.9629E+00
1991/07/12	05:43:19.40	6.9314E+00	5.5462E+00	5.4660E+00	1.1131E+00	5.5945E+00	9.7634E+00	4.9658E+00
1991/07/12	06:13:19.40	6.9329E+00	5.5469E+00	5.4682E+00	1.1146E+00	5.5960E+00	9.7641E+00	4.9658E+00
1991/07/12	06:43:19.40	6.9343E+00	5.5498E+00	5.4696E+00	1.1175E+00	5.5981E+00	9.7677E+00	4.9679E+00
1991/07/12	07:13:19.40	6.9372E+00	5.5512E+00	5.4711E+00	1.1189E+00	5.6010E+00	9.7677E+00	4.9651E+00
1991/07/12	07:43:19.40	6.9372E+00	5.5534E+00	5.4733E+00	1.1196E+00	5.6025E+00	9.7706E+00	4.9716E+00
1991/07/12	08:13:19.40	6.9358E+00	5.5548E+00	5.4747E+00	1.1211E+00	5.6046E+00	9.7713E+00	4.9600E+00
1991/07/12	09:13:19.40	6.9387E+00	5.5613E+00	5.4783E+00	1.1254E+00	5.6082E+00	9.7749E+00	4.9687E+00
1991/07/12	10:13:19.40	6.9286E+00	5.5476E+00	5.4718E+00	1.1153E+00	5.6082E+00	9.7756E+00	4.9716E+00
1991/07/12	11:13:19.40	6.9184E+00	5.5512E+00	5.4696E+00	1.1146E+00	5.6104E+00	9.7800E+00	4.9701E+00
1991/07/12	12:13:19.40	6.9127E+00	5.5505E+00	5.4704E+00	1.1095E+00	5.6133E+00	9.7828E+00	4.9716E+00
1991/07/12	13:13:19.40	6.9083E+00	5.5454E+00	5.4689E+00	1.1131E+00	5.6147E+00	9.7886E+00	4.9788E+00
1991/07/12	14:13:19.30	6.8982E+00	5.5418E+00	5.4610E+00	1.1030E+00	5.6169E+00	9.7922E+00	4.9788E+00
1991/07/12	15:13:19.30	6.9098E+00	5.5534E+00	5.4718E+00	1.1110E+00	5.6162E+00	9.7872E+00	4.9780E+00
1991/07/12	16:13:19.40	6.9055E+00	5.5548E+00	5.4696E+00	1.1182E+00	5.6169E+00	9.7980E+00	4.9831E+00
1991/07/12	17:13:19.40	6.9257E+00	5.5620E+00	5.4776E+00	1.1254E+00	5.6198E+00	9.7951E+00	4.9824E+00
1991/07/12	18:13:19.40	6.9430E+00	5.5685E+00	5.4877E+00	1.1348E+00	5.6270E+00	9.8002E+00	4.9860E+00
1991/07/12	19:13:19.40	6.9415E+00	5.5736E+00	5.4899E+00	1.1312E+00	5.6220E+00	9.7980E+00	4.9802E+00
1991/07/12	20:13:19.40	6.9517E+00	5.5772E+00	5.4956E+00	1.1391E+00	5.6277E+00	9.8038E+00	4.9853E+00

te	Time	Analog#01 10psi/W61-1 ft.....	Analog#02 5psi/p1.... ft.....	Analog#03 5psi/p2.... ft.....	Analog#04 5psi/p3.... ft.....	Analog#05 5psi/p4.... ft.....	Analog#06 5psi/p5.... ft.....	Analog#07 5psi/W9-31A ft.....
1991/07/12	21:13:19.40	6.9603E+00	5.5808E+00	5.5007E+00	1.1456E+00	5.6306E+00	9.8038E+00	4.9809E+00
1991/07/12	22:13:19.40	6.9632E+00	5.5823E+00	5.5029E+00	1.1478E+00	5.6306E+00	9.8023E+00	4.9802E+00
1991/07/12	23:13:19.40	6.9661E+00	5.5844E+00	5.5057E+00	1.1492E+00	5.6321E+00	9.8045E+00	4.9903E+00
1991/07/13	00:13:19.40	6.9690E+00	5.5844E+00	5.5065E+00	1.1499E+00	5.6335E+00	9.8059E+00	4.9975E+00
1991/07/13	01:13:19.40	6.9719E+00	5.5873E+00	5.5093E+00	1.1521E+00	5.6342E+00	9.8226E+00	5.0019E+00
1991/07/13	02:13:19.40	6.9733E+00	5.5888E+00	5.5101E+00	1.1528E+00	5.6364E+00	9.8254E+00	5.0069E+00
1991/07/13	03:13:19.40	6.9762E+00	5.5888E+00	5.5115E+00	1.1543E+00	5.6386E+00	9.8254E+00	5.0076E+00
1991/07/13	04:13:19.40	6.9762E+00	5.5909E+00	5.5130E+00	1.1564E+00	5.6386E+00	9.8276E+00	5.0113E+00
1991/07/13	05:13:19.40	6.9762E+00	5.5916E+00	5.5130E+00	1.1557E+00	5.6393E+00	9.8283E+00	5.0076E+00
1991/07/13	06:13:19.40	6.9762E+00	5.5924E+00	5.5137E+00	1.1557E+00	5.6386E+00	9.8276E+00	5.0011E+00
1991/07/13	07:13:19.40	6.9762E+00	5.5909E+00	5.5130E+00	1.1564E+00	5.6393E+00	9.8269E+00	5.0011E+00
1991/07/13	08:13:19.40	6.9733E+00	5.5895E+00	5.5115E+00	1.1550E+00	5.6378E+00	9.8269E+00	4.9983E+00
1991/07/13	09:13:19.40	6.9748E+00	5.5916E+00	5.5137E+00	1.1564E+00	5.6400E+00	9.8218E+00	4.9983E+00
991/07/13	10:13:19.40	6.9618E+00	5.5895E+00	5.5115E+00	1.1478E+00	5.6415E+00	9.8262E+00	5.0076E+00

AQUIFER PUMPING TEST 2

DATA

PUMP TEST 2

 Terra8 Data File --> D:\TEM\SITE9\PUMP2.HEX

Date	Time	Analog#01 10psi/W61-1 ft.....	Analog#02 5psi/p1.... ft.....	Analog#03 5psi/p2.... ft.....	Analog#04 5psi/p3.... ft.....	Analog#05 5psi/p4.... ft.....	Analog#06 5psi/p5.... ft.....	Analog#07 5psi/W9-31A ft.....	
1991/07/13	13:43:34.90	6.9170E+00	5.5635E+00	5.4834E+00	1.1225E+00	5.6364E+00	9.8319E+00	5.0141E+00	start pump
1991/07/13	13:43:36.20	6.9170E+00	5.5620E+00	5.4834E+00	1.1225E+00	5.6357E+00	9.8327E+00	5.0127E+00	
1991/07/13	13:43:37.30	2.3653E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	
1991/07/13	13:43:39.20	2.3653E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	
1991/07/13	13:43:40.00	2.3653E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	
1991/07/13	13:43:40.90	2.3653E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	
1991/07/13	13:43:41.80	2.3653E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	
1991/07/13	13:43:43.60	2.3653E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	
1991/07/13	13:43:44.50	2.3653E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	
1991/07/13	13:43:45.30	2.3653E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	
1991/07/13	13:43:46.20	2.3653E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	
1991/07/13	13:43:47.10	2.3653E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	
1991/07/13	13:43:48.90	2.3653E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	
1991/07/13	13:43:49.80	2.3653E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	
1991/07/13	13:43:50.60	2.3653E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	
1991/07/13	13:43:51.50	2.3653E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	
1991/07/13	13:43:52.40	2.3653E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	
1991/07/13	13:43:54.20	2.3653E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	bad readings
1991/07/13	13:43:55.10	2.3653E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	
1991/07/13	13:43:55.90	2.3653E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	
1991/07/13	13:43:56.80	2.3653E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	
1991/07/13	13:43:58.60	2.3653E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	
1991/07/13	13:43:59.50	2.3653E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	
1991/07/13	13:44:00.40	2.3653E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	
1991/07/13	13:44:01.20	2.3653E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	
1991/07/13	13:44:02.10	2.3653E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	
1991/07/13	13:44:03.90	2.3653E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	
1991/07/13	13:44:04.80	2.3653E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	
1991/07/13	13:44:05.70	2.3653E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	
1991/07/13	13:44:06.50	2.3653E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	
1991/07/13	13:44:07.50	2.3653E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	
1991/07/13	13:44:09.30	2.3653E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	
1991/07/13	13:44:10.10	2.3653E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	1.1826E+01	
1991/07/13	13:44:11.30	6.3944E+00	5.5498E+00	5.4689E+00	1.1167E+00	5.6104E+00	9.8233E+00	5.0004E+00	
1991/07/13	13:44:13.30	6.3958E+00	5.5519E+00	5.4704E+00	1.1175E+00	5.6104E+00	9.8247E+00	5.0026E+00	
1991/07/13	13:44:15.30	6.3814E+00	5.5541E+00	5.4689E+00	1.1182E+00	5.6104E+00	9.8247E+00	5.0026E+00	
1991/07/13	13:44:17.30	6.3857E+00	5.5527E+00	5.4696E+00	1.1182E+00	5.6111E+00	9.8262E+00	5.0040E+00	
1991/07/13	13:44:19.60	6.3713E+00	5.5541E+00	5.4711E+00	1.1182E+00	5.6097E+00	9.8247E+00	5.0062E+00	
1991/07/13	13:44:21.40	6.3640E+00	5.5534E+00	5.4711E+00	1.1189E+00	5.6090E+00	9.8254E+00	5.0069E+00	
1991/07/13	13:44:23.30	6.3612E+00	5.5548E+00	5.4725E+00	1.1182E+00	5.6082E+00	9.8233E+00	5.0062E+00	
1991/07/13	13:44:25.30	6.3612E+00	5.5534E+00	5.4725E+00	1.1196E+00	5.6082E+00	9.8254E+00	5.0062E+00	
1991/07/13	13:44:27.30	6.3612E+00	5.5548E+00	5.4725E+00	1.1196E+00	5.6082E+00	9.8262E+00	5.0069E+00	
1991/07/13	13:44:29.30	6.3568E+00	5.5563E+00	5.4733E+00	1.1175E+00	5.6068E+00	9.8262E+00	5.0084E+00	
1991/07/13	13:44:31.30	6.3467E+00	5.5548E+00	5.4725E+00	1.1175E+00	5.6046E+00	9.8254E+00	5.0076E+00	
1991/07/13	13:44:33.60	6.3438E+00	5.5555E+00	5.4733E+00	1.1182E+00	5.6054E+00	9.8247E+00	5.0098E+00	
1991/07/13	13:44:35.40	6.3525E+00	5.5570E+00	5.4740E+00	1.1175E+00	5.6054E+00	9.8254E+00	5.0120E+00	
1991/07/13	13:44:41.80	6.3496E+00	5.5584E+00	5.4761E+00	1.1189E+00	5.6068E+00	9.8290E+00	5.0149E+00	
1991/07/13	13:44:48.40	6.3496E+00	5.5570E+00	5.4754E+00	1.1189E+00	5.6061E+00	9.8276E+00	5.0127E+00	
1991/07/13	13:44:54.80	6.3280E+00	5.5584E+00	5.4747E+00	1.1203E+00	5.6054E+00	9.8283E+00	5.0105E+00	
1991/07/13	13:45:01.30	6.3251E+00	5.5563E+00	5.4718E+00	1.1182E+00	5.6046E+00	9.8262E+00	5.0062E+00	
1991/07/13	13:45:08.70	6.3193E+00	5.5570E+00	5.4704E+00	1.1167E+00	5.6010E+00	9.8247E+00	5.0048E+00	
1991/07/13	13:45:15.20	6.3207E+00	5.5527E+00	5.4689E+00	1.1167E+00	5.6010E+00	9.8240E+00	5.0048E+00	
1991/07/13	13:45:21.60	6.3207E+00	5.5534E+00	5.4682E+00	1.1167E+00	5.5996E+00	9.8240E+00	5.0055E+00	

e	Time	Analog#01 10psi/W61-1 ft.....	Analog#02 5psi/p1.... ft.....	Analog#03 5psi/p2.... ft.....	Analog#04 5psi/p3.... ft.....	Analog#05 5psi/p4.... ft.....	Analog#06 5psi/p5.... ft.....	Analog#07 5psi/W9-31A ft.....
991/07/13	13:45:28.10	6.3034E+00	5.5527E+00	5.4682E+00	1.1167E+00	5.5989E+00	9.8233E+00	5.0048E+00
1991/07/13	13:45:34.60	6.3049E+00	5.5534E+00	5.4668E+00	1.1153E+00	5.5967E+00	9.8262E+00	5.0062E+00
1991/07/13	13:45:41.10	6.3135E+00	5.5548E+00	5.4668E+00	1.1139E+00	5.5938E+00	9.8247E+00	5.0062E+00
991/07/13	13:45:48.50	6.3034E+00	5.5555E+00	5.4653E+00	1.1153E+00	5.5938E+00	9.8247E+00	5.0076E+00
1991/07/13	13:45:54.90	6.2991E+00	5.5541E+00	5.4660E+00	1.1139E+00	5.5924E+00	9.8226E+00	5.0076E+00
1991/07/13	13:46:01.40	6.2947E+00	5.5541E+00	5.4646E+00	1.1160E+00	5.5916E+00	9.8233E+00	5.0076E+00
991/07/13	13:46:07.90	6.3077E+00	5.5541E+00	5.4653E+00	1.1146E+00	5.5916E+00	9.8247E+00	5.0091E+00
991/07/13	13:46:14.30	6.2991E+00	5.5548E+00	5.4646E+00	1.1131E+00	5.5888E+00	9.8240E+00	5.0076E+00
1991/07/13	13:46:20.80	6.2933E+00	5.5563E+00	5.4639E+00	1.1124E+00	5.5895E+00	9.8262E+00	5.0069E+00
991/07/13	13:46:28.20	6.2947E+00	5.5563E+00	5.4646E+00	1.1124E+00	5.5888E+00	9.8254E+00	5.0076E+00
991/07/13	13:46:34.70	6.2875E+00	5.5555E+00	5.4639E+00	1.1124E+00	5.5880E+00	9.8262E+00	5.0098E+00
1991/07/13	13:46:41.20	6.2991E+00	5.5555E+00	5.4639E+00	1.1110E+00	5.5873E+00	9.8262E+00	5.0105E+00
1991/07/13	13:46:47.60	6.2832E+00	5.5570E+00	5.4639E+00	1.1117E+00	5.5880E+00	9.8254E+00	5.0105E+00
991/07/13	13:46:54.10	6.2803E+00	5.5577E+00	5.4631E+00	1.1110E+00	5.5873E+00	9.8269E+00	5.0113E+00
991/07/13	13:47:00.60	6.2861E+00	5.5584E+00	5.4624E+00	1.1131E+00	5.5888E+00	9.8283E+00	5.0098E+00
1991/07/13	13:47:08.00	6.2904E+00	5.5584E+00	5.4624E+00	1.1095E+00	5.5866E+00	9.8262E+00	5.0091E+00
991/07/13	13:47:14.50	6.2890E+00	5.5592E+00	5.4639E+00	1.1095E+00	5.5866E+00	9.8262E+00	5.0084E+00
991/07/13	13:47:20.90	6.2976E+00	5.5628E+00	5.4660E+00	1.1110E+00	5.5880E+00	9.8290E+00	5.0113E+00
1991/07/13	13:47:27.40	6.2875E+00	5.5635E+00	5.4668E+00	1.1102E+00	5.5888E+00	9.8298E+00	5.0113E+00
991/07/13	13:47:33.90	6.2890E+00	5.5642E+00	5.4653E+00	1.1110E+00	5.5888E+00	9.8312E+00	5.0120E+00
991/07/13	13:47:40.30	6.2861E+00	5.5635E+00	5.4646E+00	1.1110E+00	5.5880E+00	9.8312E+00	5.0127E+00
1991/07/13	13:47:47.80	6.2890E+00	5.5628E+00	5.4631E+00	1.1124E+00	5.5866E+00	9.8319E+00	5.0127E+00
1991/07/13	13:47:54.20	6.2832E+00	5.5642E+00	5.4624E+00	1.1110E+00	5.5844E+00	9.8319E+00	5.0105E+00
[illegible]07/13	13:48:00.70	6.2760E+00	5.5620E+00	5.4610E+00	1.1088E+00	5.5830E+00	9.8312E+00	5.0098E+00
[illegible]07/13	13:48:07.20	6.2890E+00	5.5620E+00	5.4624E+00	1.1095E+00	5.5837E+00	9.8327E+00	5.0120E+00
1991/07/13	13:48:13.60	6.2789E+00	5.5649E+00	5.4639E+00	1.1102E+00	5.5844E+00	9.8319E+00	5.0134E+00
991/07/13	13:48:20.10	6.2933E+00	5.5642E+00	5.4653E+00	1.1117E+00	5.5873E+00	9.8348E+00	5.0156E+00
991/07/13	13:48:27.50	6.2789E+00	5.5635E+00	5.4631E+00	1.1131E+00	5.5866E+00	9.8355E+00	5.0127E+00
1991/07/13	13:48:34.00	6.2774E+00	5.5635E+00	5.4610E+00	1.1124E+00	5.5859E+00	9.8348E+00	5.0098E+00
1991/07/13	13:48:40.50	6.2774E+00	5.5620E+00	5.4581E+00	1.1131E+00	5.5844E+00	9.8355E+00	5.0076E+00
991/07/13	13:48:46.90	6.2789E+00	5.5606E+00	5.4567E+00	1.1117E+00	5.5815E+00	9.8334E+00	5.0055E+00
1991/07/13	13:48:53.40	6.2789E+00	5.5570E+00	5.4552E+00	1.1095E+00	5.5801E+00	9.8312E+00	5.0048E+00
1991/07/13	13:48:59.80	6.2745E+00	5.5577E+00	5.4552E+00	1.1074E+00	5.5794E+00	9.8319E+00	5.0076E+00
991/07/13	13:49:07.30	6.2803E+00	5.5570E+00	5.4559E+00	1.1066E+00	5.5772E+00	9.8276E+00	5.0040E+00
991/07/13	13:49:13.70	6.2818E+00	5.5577E+00	5.4581E+00	1.1052E+00	5.5779E+00	9.8269E+00	5.0091E+00
1991/07/13	13:49:20.20	6.2861E+00	5.5599E+00	5.4588E+00	1.1059E+00	5.5801E+00	9.8283E+00	5.0105E+00
991/07/13	13:49:26.70	6.2731E+00	5.5613E+00	5.4588E+00	1.1066E+00	5.5801E+00	9.8276E+00	5.0098E+00
991/07/13	13:49:33.10	6.2745E+00	5.5613E+00	5.4567E+00	1.1074E+00	5.5794E+00	9.8290E+00	5.0091E+00
1991/07/13	13:49:39.60	6.2673E+00	5.5577E+00	5.4530E+00	1.1052E+00	5.5779E+00	9.8262E+00	5.0040E+00
1991/07/13	13:49:46.00	6.2688E+00	5.5563E+00	5.4538E+00	1.1045E+00	5.5750E+00	9.8233E+00	5.0040E+00
991/07/13	13:49:53.50	6.2760E+00	5.5570E+00	5.4530E+00	1.1045E+00	5.5765E+00	9.8269E+00	5.0055E+00
1991/07/13	13:50:00.00	6.2774E+00	5.5555E+00	5.4523E+00	1.1030E+00	5.5729E+00	9.8233E+00	5.0055E+00
1991/07/13	13:50:06.40	6.2702E+00	5.5541E+00	5.4523E+00	1.1023E+00	5.5736E+00	9.8247E+00	5.0105E+00
991/07/13	13:50:12.90	6.2760E+00	5.5527E+00	5.4530E+00	1.1016E+00	5.5729E+00	9.8240E+00	5.0105E+00
991/07/13	13:50:35.30	6.2601E+00	5.5498E+00	5.4502E+00	1.1016E+00	5.5707E+00	9.8233E+00	5.0055E+00
1991/07/13	13:51:05.30	6.2587E+00	5.5512E+00	5.4494E+00	1.1016E+00	5.5707E+00	9.8204E+00	5.0069E+00
1991/07/13	13:51:35.30	6.2644E+00	5.5541E+00	5.4516E+00	1.1009E+00	5.5722E+00	9.8240E+00	5.0127E+00
1991/07/13	13:52:05.30	6.2615E+00	5.5599E+00	5.4567E+00	1.1009E+00	5.5729E+00	9.8305E+00	5.0170E+00
1991/07/13	13:52:35.30	6.2529E+00	5.5613E+00	5.4523E+00	1.1001E+00	5.5714E+00	9.8334E+00	5.0141E+00
1 [illegible]07/13	13:53:05.40	6.2716E+00	5.5570E+00	5.4487E+00	1.0987E+00	5.5685E+00	9.8327E+00	5.0076E+00
1991/07/13	13:53:35.30	6.2630E+00	5.5555E+00	5.4480E+00	1.0951E+00	5.5664E+00	9.8276E+00	5.0084E+00
1991/07/13	13:54:05.30	6.2587E+00	5.5592E+00	5.4465E+00	1.0936E+00	5.5649E+00	9.8269E+00	5.0062E+00
1991/07/13	13:54:35.30	6.2471E+00	5.5577E+00	5.4465E+00	1.0929E+00	5.5635E+00	9.8269E+00	5.0127E+00
1991/07/13	13:55:05.30	6.2514E+00	5.5570E+00	5.4465E+00	1.0915E+00	5.5642E+00	9.8290E+00	5.0120E+00

e	Time	Analog#01 10psi/W61-1 ft.....	Analog#02 5psi/p1.... ft.....	Analog#03 5psi/p2.... ft.....	Analog#04 5psi/p3.... ft.....	Analog#05 5psi/p4.... ft.....	Analog#06 5psi/p5.... ft.....	Analog#07 5psi/W9-31A ft.....
991/07/13	13:55:35.30	6.2485E+00	5.5519E+00	5.4422E+00	1.0879E+00	5.5606E+00	9.8247E+00	5.0069E+00
1991/07/13	13:56:05.30	6.2457E+00	5.5483E+00	5.4408E+00	1.0857E+00	5.5584E+00	9.8226E+00	5.0084E+00
991/07/13	13:56:35.30	6.2514E+00	5.5512E+00	5.4444E+00	1.0835E+00	5.5620E+00	9.8233E+00	5.0105E+00
991/07/13	13:57:05.30	6.2514E+00	5.5527E+00	5.4451E+00	1.0843E+00	5.5635E+00	9.8262E+00	5.0127E+00
991/07/13	13:57:35.30	6.2485E+00	5.5563E+00	5.4437E+00	1.0843E+00	5.5628E+00	9.8240E+00	5.0098E+00
1991/07/13	13:58:05.30	6.2471E+00	5.5570E+00	5.4422E+00	1.0850E+00	5.5642E+00	9.8276E+00	5.0120E+00
991/07/13	13:58:35.30	6.2428E+00	5.5541E+00	5.4379E+00	1.0835E+00	5.5599E+00	9.8298E+00	5.0113E+00
991/07/13	13:59:05.30	6.2370E+00	5.5527E+00	5.4364E+00	1.0806E+00	5.5563E+00	9.8290E+00	5.0084E+00
1991/07/13	13:59:35.30	6.2384E+00	5.5512E+00	5.4357E+00	1.0778E+00	5.5548E+00	9.8269E+00	5.0105E+00
991/07/13	14:00:05.30	6.2413E+00	5.5519E+00	5.4357E+00	1.0778E+00	5.5577E+00	9.8269E+00	5.0091E+00
991/07/13	14:00:35.30	6.2413E+00	5.5476E+00	5.4357E+00	1.0756E+00	5.5548E+00	9.8247E+00	5.0113E+00
1991/07/13	14:01:05.30	6.2283E+00	5.5454E+00	5.4328E+00	1.0720E+00	5.5527E+00	9.8240E+00	5.0076E+00
1991/07/13	14:01:35.30	6.2312E+00	5.5454E+00	5.4336E+00	1.0713E+00	5.5519E+00	9.8247E+00	5.0113E+00
991/07/13	14:02:05.30	6.2312E+00	5.5411E+00	5.4307E+00	1.0698E+00	5.5505E+00	9.8226E+00	5.0084E+00
991/07/13	14:02:35.30	6.2341E+00	5.5418E+00	5.4314E+00	1.0669E+00	5.5505E+00	9.8204E+00	5.0098E+00
1991/07/13	14:03:05.30	6.2356E+00	5.5447E+00	5.4314E+00	1.0669E+00	5.5491E+00	9.8218E+00	5.0120E+00
991/07/13	14:03:35.40	6.2428E+00	5.5476E+00	5.4336E+00	1.0684E+00	5.5512E+00	9.8218E+00	5.0120E+00
991/07/13	14:04:35.30	6.2269E+00	5.5476E+00	5.4321E+00	1.0640E+00	5.5469E+00	9.8211E+00	5.0076E+00
1991/07/13	14:05:35.30	6.2168E+00	5.5426E+00	5.4263E+00	1.0590E+00	5.5454E+00	9.8175E+00	5.0091E+00
991/07/13	14:06:35.30	6.2327E+00	5.5389E+00	5.4256E+00	1.0583E+00	5.5447E+00	9.8182E+00	5.0105E+00
991/07/13	14:07:35.30	6.2182E+00	5.5433E+00	5.4292E+00	1.0583E+00	5.5447E+00	9.8175E+00	5.0141E+00
991/07/13	14:08:35.30	6.2168E+00	5.5433E+00	5.4256E+00	1.0568E+00	5.5426E+00	9.8226E+00	5.0120E+00
1991/07/13	14:09:35.30	6.2298E+00	5.5368E+00	5.4227E+00	1.0539E+00	5.5404E+00	9.8204E+00	5.0105E+00
07/13	14:10:35.30	6.2182E+00	5.5418E+00	5.4227E+00	1.0532E+00	5.5397E+00	9.8197E+00	5.0105E+00
07/13	14:11:35.30	6.2226E+00	5.5404E+00	5.4206E+00	1.0482E+00	5.5353E+00	9.8146E+00	5.0098E+00
1991/07/13	14:12:35.30	6.2096E+00	5.5411E+00	5.4220E+00	1.0489E+00	5.5368E+00	9.8139E+00	5.0105E+00
991/07/13	14:13:35.40	6.2139E+00	5.5382E+00	5.4177E+00	1.0453E+00	5.5332E+00	9.8124E+00	5.0084E+00
991/07/13	14:15:35.30	6.2226E+00	5.5361E+00	5.4191E+00	1.0402E+00	5.5353E+00	9.8124E+00	5.0141E+00
1991/07/13	14:17:35.30	6.2067E+00	5.5296E+00	5.4119E+00	1.0352E+00	5.5274E+00	9.8045E+00	5.0084E+00
1991/07/13	14:19:35.30	6.2052E+00	5.5317E+00	5.4148E+00	1.0352E+00	5.5310E+00	9.8124E+00	5.0127E+00
991/07/13	14:21:35.30	6.2009E+00	5.5310E+00	5.4119E+00	1.0337E+00	5.5267E+00	9.8088E+00	5.0098E+00
991/07/13	14:23:35.30	6.2139E+00	5.5346E+00	5.4083E+00	1.0337E+00	5.5252E+00	9.8117E+00	5.0076E+00
1991/07/13	14:25:35.30	6.1951E+00	5.5267E+00	5.4090E+00	1.0279E+00	5.5260E+00	9.8045E+00	5.0098E+00
991/07/13	14:27:35.30	6.2096E+00	5.5296E+00	5.4068E+00	1.0279E+00	5.5238E+00	9.8067E+00	5.0098E+00
991/07/13	14:29:35.30	6.2023E+00	5.5267E+00	5.4032E+00	1.0236E+00	5.5187E+00	9.8067E+00	5.0091E+00
1991/07/13	14:31:35.30	6.1937E+00	5.5260E+00	5.4025E+00	1.0200E+00	5.5173E+00	9.7987E+00	5.0105E+00
991/07/13	14:33:35.30	6.1980E+00	5.5231E+00	5.4032E+00	1.0200E+00	5.5195E+00	9.8002E+00	5.0127E+00
991/07/13	14:35:35.30	6.1865E+00	5.5231E+00	5.4011E+00	1.0171E+00	5.5158E+00	9.7973E+00	5.0091E+00
1991/07/13	14:37:35.30	6.1850E+00	5.5231E+00	5.4003E+00	1.0150E+00	5.5137E+00	9.7980E+00	5.0105E+00
1991/07/13	14:39:35.30	6.1836E+00	5.5252E+00	5.4025E+00	1.0186E+00	5.5180E+00	9.8009E+00	5.0076E+00
991/07/13	14:41:35.30	6.1995E+00	5.5245E+00	5.3967E+00	1.0171E+00	5.5144E+00	9.7995E+00	5.0062E+00
991/07/13	14:43:35.40	6.1879E+00	5.5101E+00	5.3910E+00	1.0106E+00	5.5072E+00	9.7937E+00	5.0040E+00
1991/07/13	14:48:35.30	6.1691E+00	5.5130E+00	5.3888E+00	1.0048E+00	5.5050E+00	9.7879E+00	5.0011E+00
991/07/13	14:53:35.30	6.1764E+00	5.5144E+00	5.3881E+00	1.0020E+00	5.5050E+00	9.7901E+00	5.0033E+00
991/07/13	14:58:35.30	6.1648E+00	5.5122E+00	5.3830E+00	9.9980E-01	5.4985E+00	9.7893E+00	5.0055E+00
1991/07/13	15:03:35.30	6.1590E+00	5.5093E+00	5.3845E+00	9.9835E-01	5.4971E+00	9.7814E+00	5.0055E+00
991/07/13	15:08:35.30	6.1547E+00	5.5029E+00	5.3794E+00	9.8897E-01	5.4913E+00	9.7749E+00	5.0011E+00
991/07/13	15:13:35.30	6.1735E+00	5.5050E+00	5.3787E+00	9.8969E-01	5.4920E+00	9.7771E+00	5.0062E+00
1991/07/13	15:18:35.30	6.1518E+00	5.5014E+00	5.3722E+00	9.8608E-01	5.4862E+00	9.7727E+00	5.0033E+00
1 07/13	15:23:35.30	6.1518E+00	5.4978E+00	5.3657E+00	9.8464E-01	5.4783E+00	9.7677E+00	4.9997E+00
1991/07/13	15:28:35.30	6.1446E+00	5.4884E+00	5.3621E+00	9.7886E-01	5.4740E+00	9.7648E+00	5.0019E+00
991/07/13	15:33:35.30	6.1417E+00	5.4927E+00	5.3657E+00	9.7814E-01	5.4776E+00	9.7641E+00	5.0084E+00
1991/07/13	15:38:35.30	6.1518E+00	5.4891E+00	5.3599E+00	9.7670E-01	5.4725E+00	9.7605E+00	5.0069E+00
991/07/13	15:43:35.30	6.1432E+00	5.4877E+00	5.3606E+00	9.7381E-01	5.4689E+00	9.7590E+00	5.0033E+00

e	Time	Analog#01 10psi/W61-1 ft.....	Analog#02 5psi/p1.... ft.....	Analog#03 5psi/p2.... ft.....	Analog#04 5psi/p3.... ft.....	Analog#05 5psi/p4.... ft.....	Analog#06 5psi/p5.... ft.....	Analog#07 5psi/W9-31A ft.....
991/07/13	15:48:35.30	6.1446E+00	5.4769E+00	5.3513E+00	9.7237E-01	5.4660E+00	9.7569E+00	5.0019E+00
1991/07/13	15:53:35.30	6.1446E+00	5.4776E+00	5.3505E+00	9.6876E-01	5.4646E+00	9.7583E+00	5.0019E+00
991/07/13	15:58:35.30	6.1403E+00	5.4805E+00	5.3520E+00	9.6876E-01	5.4646E+00	9.7525E+00	4.9997E+00
991/07/13	16:03:35.30	6.1186E+00	5.4826E+00	5.3563E+00	9.6587E-01	5.4646E+00	9.7496E+00	5.0019E+00
991/07/13	16:08:35.30	6.1403E+00	5.4718E+00	5.3491E+00	9.6226E-01	5.4610E+00	9.7453E+00	4.9997E+00
1991/07/13	16:13:35.30	6.1273E+00	5.4769E+00	5.3469E+00	9.6009E-01	5.4559E+00	9.7446E+00	4.9983E+00
991/07/13	16:18:35.40	6.1273E+00	5.4761E+00	5.3448E+00	9.6370E-01	5.4545E+00	9.7468E+00	4.9990E+00
991/07/13	16:23:35.40	6.1099E+00	5.4754E+00	5.3448E+00	9.5937E-01	5.4530E+00	9.7410E+00	4.9939E+00
1991/07/13	16:28:35.40	6.1287E+00	5.4689E+00	5.3404E+00	9.5576E-01	5.4487E+00	9.7381E+00	4.9932E+00
991/07/13	16:33:35.40	6.1229E+00	5.4696E+00	5.3412E+00	9.5721E-01	5.4494E+00	9.7381E+00	4.9968E+00
991/07/13	16:38:35.30	6.1186E+00	5.4689E+00	5.3390E+00	9.5648E-01	5.4480E+00	9.7381E+00	4.9947E+00
1991/07/13	16:43:35.40	6.1143E+00	5.4675E+00	5.3397E+00	9.5432E-01	5.4451E+00	9.7359E+00	4.9932E+00
1991/07/13	16:58:35.40	6.1085E+00	5.4747E+00	5.3390E+00	9.5576E-01	5.4465E+00	9.7388E+00	4.9932E+00
991/07/13	17:13:35.40	6.1215E+00	5.4581E+00	5.3325E+00	9.4782E-01	5.4364E+00	9.7265E+00	4.9910E+00
991/07/13	17:28:35.40	6.1085E+00	5.4588E+00	5.3296E+00	9.4566E-01	5.4328E+00	9.7215E+00	4.9903E+00
1991/07/13	17:43:35.40	6.0955E+00	5.4530E+00	5.3260E+00	9.4132E-01	5.4292E+00	9.7157E+00	4.9838E+00
991/07/13	17:58:35.40	6.1143E+00	5.4581E+00	5.3245E+00	9.4205E-01	5.4256E+00	9.7164E+00	4.9860E+00
991/07/13	18:13:35.40	6.1071E+00	5.4545E+00	5.3231E+00	9.4132E-01	5.4234E+00	9.7143E+00	4.9853E+00
1991/07/13	18:28:35.40	6.0998E+00	5.4473E+00	5.3188E+00	9.3411E-01	5.4169E+00	9.7049E+00	4.9817E+00
991/07/13	18:43:35.40	6.1042E+00	5.4523E+00	5.3209E+00	9.3627E-01	5.4169E+00	9.7078E+00	4.9802E+00
991/07/13	18:58:35.40	6.1114E+00	5.4487E+00	5.3166E+00	9.3194E-01	5.4177E+00	9.6991E+00	4.9780E+00
1991/07/13	19:13:35.40	6.1071E+00	5.4502E+00	5.3144E+00	9.3050E-01	5.4097E+00	9.6998E+00	4.9744E+00
1991/07/13	19:28:35.40	6.1042E+00	5.4465E+00	5.3130E+00	9.3050E-01	5.4083E+00	9.6969E+00	4.9730E+00
7/13	19:43:35.40	6.1042E+00	5.4458E+00	5.3130E+00	9.3122E-01	5.4047E+00	9.6941E+00	4.9694E+00
07/13	19:58:35.40	6.0941E+00	5.4451E+00	5.3130E+00	9.3050E-01	5.4040E+00	9.6933E+00	4.9651E+00
1991/07/13	20:13:35.40	6.0941E+00	5.4437E+00	5.3108E+00	9.3050E-01	5.4003E+00	9.6897E+00	4.9672E+00
991/07/13	20:28:35.40	6.0941E+00	5.4429E+00	5.3094E+00	9.2833E-01	5.3989E+00	9.6876E+00	4.9643E+00
991/07/13	20:43:35.40	6.0970E+00	5.4415E+00	5.3079E+00	9.2761E-01	5.3953E+00	9.6832E+00	4.9614E+00
1991/07/13	21:13:35.40	6.0984E+00	5.4364E+00	5.3043E+00	9.2400E-01	5.3910E+00	9.6775E+00	4.9586E+00
1991/07/13	21:43:35.40	6.0825E+00	5.4364E+00	5.3022E+00	9.2111E-01	5.3859E+00	9.6731E+00	4.9513E+00
991/07/13	22:13:35.40	6.0941E+00	5.4307E+00	5.2993E+00	9.1895E-01	5.3816E+00	9.6702E+00	4.9506E+00
1991/07/13	22:43:35.40	6.0840E+00	5.4285E+00	5.2957E+00	9.1678E-01	5.3780E+00	9.6652E+00	4.9499E+00
1991/07/13	23:13:35.40	6.0840E+00	5.4256E+00	5.2928E+00	9.1389E-01	5.3744E+00	9.6616E+00	4.9485E+00
991/07/13	23:43:35.40	6.0782E+00	5.4220E+00	5.2892E+00	9.1028E-01	5.3700E+00	9.6572E+00	4.9456E+00
991/07/14	00:13:35.40	6.0710E+00	5.4191E+00	5.2870E+00	9.0812E-01	5.3657E+00	9.6529E+00	4.9412E+00
1991/07/14	00:43:35.40	6.0637E+00	5.4206E+00	5.2856E+00	9.0667E-01	5.3628E+00	9.6515E+00	4.9441E+00
1991/07/14	01:13:35.40	6.0594E+00	5.4162E+00	5.2834E+00	9.0379E-01	5.3599E+00	9.6457E+00	4.9427E+00
1991/07/14	01:43:35.40	6.0536E+00	5.4177E+00	5.2812E+00	9.0234E-01	5.3570E+00	9.6457E+00	4.9434E+00
1991/07/14	02:13:35.40	6.0637E+00	5.4133E+00	5.2791E+00	8.9946E-01	5.3570E+00	9.6428E+00	4.9434E+00
1991/07/14	02:43:35.40	6.0609E+00	5.4097E+00	5.2769E+00	8.9657E-01	5.3556E+00	9.6406E+00	4.9434E+00
1991/07/14	03:13:35.40	6.0464E+00	5.4083E+00	5.2740E+00	8.9440E-01	5.3570E+00	9.6385E+00	4.9427E+00
1991/07/14	03:43:35.40	6.0479E+00	5.4068E+00	5.2726E+00	8.9224E-01	5.3549E+00	9.6363E+00	4.9420E+00
1991/07/14	04:13:35.40	6.0435E+00	5.4061E+00	5.2704E+00	8.9079E-01	5.3527E+00	9.6356E+00	4.9420E+00
1991/07/14	04:43:35.40	6.0479E+00	5.4032E+00	5.2690E+00	8.9007E-01	5.3505E+00	9.6341E+00	4.9369E+00
1991/07/14	05:43:35.40	6.0291E+00	5.4003E+00	5.2661E+00	8.8718E-01	5.3476E+00	9.6284E+00	4.9290E+00
1991/07/14	06:43:35.40	6.0334E+00	5.3967E+00	5.2625E+00	8.8502E-01	5.3448E+00	9.6240E+00	4.9174E+00
1991/07/14	07:43:35.40	6.0277E+00	5.3924E+00	5.2560E+00	8.7708E-01	5.3404E+00	9.6204E+00	4.9102E+00
1991/07/14	08:43:35.40	6.0175E+00	5.3874E+00	5.2538E+00	8.7347E-01	5.3383E+00	9.6168E+00	4.9124E+00
19 /07/14	09:43:35.40	6.0017E+00	5.3888E+00	5.2451E+00	8.6914E-01	5.3347E+00	9.6211E+00	4.9116E+00
1 07/14	10:43:35.40	5.9497E+00	5.3534E+00	5.2206E+00	8.4098E-01	5.3231E+00	9.6067E+00	4.8958E+00
1991/07/14	11:43:35.40	5.9353E+00	5.3527E+00	5.2155E+00	8.3737E-01	5.3231E+00	9.6045E+00	4.8986E+00
1991/07/14	12:43:35.30	5.9208E+00	5.3498E+00	5.2119E+00	8.3160E-01	5.3209E+00	9.6024E+00	4.8979E+00
1991/07/14	13:43:35.40	5.9122E+00	5.3426E+00	5.2047E+00	8.2655E-01	5.3152E+00	9.6067E+00	4.8986E+00
1991/07/14	14:43:35.40	5.9165E+00	5.3383E+00	5.2018E+00	8.2077E-01	5.3094E+00	9.5966E+00	4.8972E+00

e	Time	Analog#01 10psi/W61-1 ft.....	Analog#02 5psi/p1.... ft.....	Analog#03 5psi/p2.... ft.....	Analog#04 5psi/p3.... ft.....	Analog#05 5psi/p4.... ft.....	Analog#06 5psi/p5.... ft.....	Analog#07 5psi/W9-31A ft.....	
991/07/14	15:43:35.40	5.9223E+00	5.3419E+00	5.2018E+00	8.2366E-01	5.3108E+00	9.6002E+00	4.8994E+00	
1991/07/14	16:43:35.40	5.9237E+00	5.3462E+00	5.2062E+00	8.3016E-01	5.3152E+00	9.6002E+00	4.9015E+00	
991/07/14	17:43:35.40	5.9396E+00	5.3491E+00	5.2148E+00	8.3665E-01	5.3173E+00	9.5988E+00	4.9051E+00	
991/07/14	18:43:35.40	5.9526E+00	5.3578E+00	5.2170E+00	8.4171E-01	5.3166E+00	9.5995E+00	4.8965E+00	
991/07/14	19:43:35.40	5.9540E+00	5.3628E+00	5.2257E+00	8.4820E-01	5.3166E+00	9.6002E+00	4.8950E+00	
1991/07/14	20:43:35.40	5.9713E+00	5.3657E+00	5.2300E+00	8.5181E-01	5.3181E+00	9.5973E+00	4.8994E+00	
991/07/14	21:43:35.40	5.9685E+00	5.3679E+00	5.2321E+00	8.5470E-01	5.3166E+00	9.5988E+00	4.8900E+00	
991/07/14	22:43:35.40	5.9685E+00	5.3686E+00	5.2314E+00	8.5542E-01	5.3152E+00	9.5973E+00	4.8878E+00	
1991/07/14	23:43:35.40	5.9540E+00	5.3686E+00	5.2314E+00	8.5398E-01	5.3123E+00	9.5944E+00	4.8958E+00	
991/07/15	00:43:35.40	5.9699E+00	5.3686E+00	5.2300E+00	8.5253E-01	5.3101E+00	9.5937E+00	4.8921E+00	
991/07/15	01:43:35.40	5.9526E+00	5.3679E+00	5.2300E+00	8.5253E-01	5.3087E+00	9.5930E+00	4.8929E+00	
991/07/15	02:43:35.40	5.9482E+00	5.3679E+00	5.2300E+00	8.5109E-01	5.3087E+00	9.5908E+00	4.8914E+00	
1991/07/15	03:43:35.40	5.9482E+00	5.3671E+00	5.2285E+00	8.5037E-01	5.3094E+00	9.5894E+00	4.8914E+00	
991/07/15	04:43:35.40	5.9641E+00	5.3657E+00	5.2271E+00	8.4965E-01	5.3072E+00	9.5879E+00	4.8893E+00	
991/07/15	05:43:35.40	5.9598E+00	5.3650E+00	5.2257E+00	8.4748E-01	5.3072E+00	9.5887E+00	4.8893E+00	
1991/07/15	06:43:35.40	5.9454E+00	5.3635E+00	5.2249E+00	8.4748E-01	5.3051E+00	9.5851E+00	4.8842E+00	
991/07/15	07:43:35.40	5.9410E+00	5.3599E+00	5.2220E+00	8.4532E-01	5.3029E+00	9.5829E+00	4.8799E+00	
991/07/15	08:43:35.40	5.9237E+00	5.3570E+00	5.2199E+00	8.4315E-01	5.3000E+00	9.5800E+00	4.8820E+00	
1991/07/15	09:43:35.40	5.9064E+00	5.3383E+00	5.2105E+00	8.2582E-01	5.2964E+00	9.5793E+00	4.8777E+00	
991/07/15	10:43:35.40	5.8732E+00	5.3224E+00	5.1896E+00	8.0850E-01	5.2892E+00	9.5721E+00	4.8669E+00	
991/07/15	11:43:35.40	5.8602E+00	5.3209E+00	5.1780E+00	7.9984E-01	5.2892E+00	9.5764E+00	4.8690E+00	
991/07/15	12:43:35.30	5.8429E+00	5.3260E+00	5.1802E+00	8.0056E-01	5.2935E+00	9.5793E+00	4.8640E+00	
1991/07/15	13:43:35.40	5.8472E+00	5.3072E+00	5.1737E+00	7.9045E-01	5.2827E+00	9.5663E+00	4.8618E+00	
07/15	13:55:45.70	5.8414E+00	5.3079E+00	5.1701E+00	7.9478E-01	5.2856E+00	9.5677E+00	4.8589E+00	
07/15	13:55:48.00	5.8414E+00	5.3094E+00	5.1722E+00	7.9190E-01	5.2848E+00	9.5677E+00	4.8597E+00	
1991/07/15	13:55:48.90	5.8270E+00	5.3065E+00	5.1722E+00	7.9262E-01	5.2841E+00	9.5634E+00	4.8568E+00	stop pump
991/07/15	13:55:49.70	5.8400E+00	5.3123E+00	5.1787E+00	7.9334E-01	5.2848E+00	9.5641E+00	4.8611E+00	
991/07/15	13:55:50.60	5.8530E+00	5.3094E+00	5.1722E+00	7.9478E-01	5.2848E+00	9.5670E+00	4.8611E+00	
1991/07/15	13:55:51.50	5.9468E+00	5.3101E+00	5.1722E+00	7.9406E-01	5.2841E+00	9.5663E+00	4.8640E+00	
1991/07/15	13:55:53.30	6.1417E+00	5.3094E+00	5.1773E+00	7.9551E-01	5.2863E+00	9.5663E+00	4.8662E+00	
1991/07/15	13:55:54.20	6.1850E+00	5.3116E+00	5.1693E+00	7.9478E-01	5.2863E+00	9.5663E+00	4.8618E+00	
991/07/15	13:55:55.00	6.2139E+00	5.3094E+00	5.1787E+00	7.9623E-01	5.2870E+00	9.5648E+00	4.8625E+00	
1991/07/15	13:55:55.90	6.2399E+00	5.3116E+00	5.1730E+00	7.9478E-01	5.2870E+00	9.5641E+00	4.8582E+00	
1991/07/15	13:55:56.80	6.2644E+00	5.3123E+00	5.1758E+00	7.9551E-01	5.2863E+00	9.5634E+00	4.8582E+00	
991/07/15	13:55:58.60	6.3063E+00	5.3072E+00	5.1751E+00	7.9478E-01	5.2885E+00	9.5648E+00	4.8633E+00	
1991/07/15	13:55:59.50	6.3193E+00	5.3065E+00	5.1758E+00	7.9478E-01	5.2885E+00	9.5634E+00	4.8633E+00	
1991/07/15	13:56:00.30	6.3337E+00	5.3072E+00	5.1744E+00	7.9478E-01	5.2877E+00	9.5663E+00	4.8611E+00	
1991/07/15	13:56:01.20	6.3453E+00	5.3058E+00	5.1751E+00	7.9262E-01	5.2892E+00	9.5576E+00	4.8611E+00	
1991/07/15	13:56:03.00	6.3713E+00	5.3072E+00	5.1737E+00	7.9190E-01	5.2892E+00	9.5648E+00	4.8597E+00	
1991/07/15	13:56:03.90	6.3843E+00	5.3087E+00	5.1744E+00	7.9117E-01	5.2885E+00	9.5641E+00	4.8625E+00	
1991/07/15	13:56:04.80	6.3944E+00	5.3065E+00	5.1773E+00	7.9117E-01	5.2892E+00	9.5605E+00	4.8625E+00	
1991/07/15	13:56:05.60	6.4088E+00	5.3079E+00	5.1773E+00	7.9117E-01	5.2899E+00	9.5612E+00	4.8633E+00	
1991/07/15	13:56:06.50	6.4146E+00	5.3079E+00	5.1787E+00	7.9117E-01	5.2899E+00	9.5648E+00	4.8625E+00	
1991/07/15	13:56:08.30	6.4362E+00	5.3079E+00	5.1758E+00	7.9190E-01	5.2928E+00	9.5641E+00	4.8625E+00	
1991/07/15	13:56:09.20	6.4507E+00	5.3094E+00	5.1874E+00	7.9190E-01	5.2928E+00	9.5648E+00	4.8633E+00	
1991/07/15	13:56:10.10	6.4492E+00	5.3072E+00	5.1780E+00	7.9334E-01	5.2935E+00	9.5648E+00	4.8640E+00	
1991/07/15	13:56:10.90	6.4579E+00	5.3079E+00	5.1845E+00	7.9334E-01	5.2957E+00	9.5612E+00	4.8625E+00	
1991/07/15	13:56:11.80	6.4709E+00	5.3079E+00	5.1823E+00	7.9406E-01	5.2971E+00	9.5656E+00	4.8647E+00	
1991/07/15	13:56:13.60	6.4781E+00	5.3058E+00	5.1780E+00	7.9262E-01	5.2971E+00	9.5627E+00	4.8625E+00	
07/15	13:56:14.50	6.4824E+00	5.3065E+00	5.1802E+00	7.9190E-01	5.2978E+00	9.5627E+00	4.8625E+00	
1991/07/15	13:56:15.30	6.4868E+00	5.3072E+00	5.1802E+00	7.9190E-01	5.2978E+00	9.5641E+00	4.8640E+00	
1991/07/15	13:56:16.20	6.4940E+00	5.3087E+00	5.1787E+00	7.9262E-01	5.2986E+00	9.5612E+00	4.8611E+00	
1991/07/15	13:56:18.00	6.5041E+00	5.3108E+00	5.1802E+00	7.9406E-01	5.3007E+00	9.5598E+00	4.8647E+00	
1991/07/15	13:56:19.00	6.5084E+00	5.3087E+00	5.1766E+00	7.9190E-01	5.3014E+00	9.5634E+00	4.8604E+00	

e	Time	Analog#01 10psi/W61-1 ft.....	Analog#02 5psi/p1.... ft.....	Analog#03 5psi/p2.... ft.....	Analog#04 5psi/p3.... ft.....	Analog#05 5psi/p4.... ft.....	Analog#06 5psi/p5.... ft.....	Analog#07 5psi/W9-31A ft.....
991/07/15	13:56:19.80	6.5113E+00	5.3087E+00	5.1795E+00	7.9262E-01	5.3007E+00	9.5620E+00	4.8625E+00
1991/07/15	13:56:20.70	6.5156E+00	5.3087E+00	5.1780E+00	7.9406E-01	5.3029E+00	9.5641E+00	4.8625E+00
1991/07/15	13:56:22.40	6.5229E+00	5.3079E+00	5.1802E+00	7.9262E-01	5.3036E+00	9.5620E+00	4.8597E+00
991/07/15	13:56:24.40	6.5286E+00	5.3072E+00	5.1816E+00	7.9262E-01	5.3051E+00	9.5634E+00	4.8611E+00
991/07/15	13:56:26.60	6.5359E+00	5.3159E+00	5.1831E+00	7.9334E-01	5.3058E+00	9.5620E+00	4.8604E+00
1991/07/15	13:56:28.30	6.5402E+00	5.3087E+00	5.1802E+00	7.9478E-01	5.3087E+00	9.5634E+00	4.8625E+00
991/07/15	13:56:30.40	6.5431E+00	5.3108E+00	5.1809E+00	7.9551E-01	5.3094E+00	9.5648E+00	4.8633E+00
991/07/15	13:56:32.30	6.5474E+00	5.3072E+00	5.1816E+00	7.9623E-01	5.3108E+00	9.5656E+00	4.8604E+00
1991/07/15	13:56:34.40	6.5532E+00	5.3137E+00	5.1823E+00	7.9551E-01	5.3108E+00	9.5641E+00	4.8618E+00
991/07/15	13:56:36.40	6.5561E+00	5.3094E+00	5.1831E+00	7.9551E-01	5.3123E+00	9.5627E+00	4.8589E+00
991/07/15	13:56:38.30	6.5561E+00	5.3087E+00	5.1816E+00	7.9695E-01	5.3116E+00	9.5648E+00	4.8597E+00
1991/07/15	13:56:40.60	6.5590E+00	5.3101E+00	5.1831E+00	7.9406E-01	5.3137E+00	9.5656E+00	4.8647E+00
1991/07/15	13:56:42.30	6.5618E+00	5.3072E+00	5.1823E+00	7.9406E-01	5.3137E+00	9.5670E+00	4.8647E+00
991/07/15	13:56:44.40	6.5647E+00	5.3108E+00	5.1838E+00	7.9406E-01	5.3144E+00	9.5670E+00	4.8654E+00
991/07/15	13:56:46.40	6.5676E+00	5.3116E+00	5.1845E+00	7.9478E-01	5.3166E+00	9.5648E+00	4.8640E+00
1991/07/15	13:56:52.90	6.5705E+00	5.3094E+00	5.1838E+00	7.9262E-01	5.3181E+00	9.5663E+00	4.8647E+00
991/07/15	13:56:59.40	6.5763E+00	5.3130E+00	5.1888E+00	7.9334E-01	5.3209E+00	9.5663E+00	4.8676E+00
991/07/15	13:57:06.80	6.5806E+00	5.3123E+00	5.1874E+00	7.9551E-01	5.3231E+00	9.5663E+00	4.8676E+00
1991/07/15	13:57:13.20	6.5821E+00	5.3123E+00	5.1881E+00	7.9406E-01	5.3260E+00	9.5656E+00	4.8640E+00
991/07/15	13:57:19.70	6.5864E+00	5.3123E+00	5.1896E+00	7.9767E-01	5.3289E+00	9.5721E+00	4.8698E+00
991/07/15	13:57:26.20	6.5878E+00	5.3144E+00	5.1881E+00	7.9551E-01	5.3303E+00	9.5677E+00	4.8676E+00
991/07/15	13:57:32.70	6.5864E+00	5.3137E+00	5.1874E+00	7.9623E-01	5.3303E+00	9.5699E+00	4.8625E+00
1991/07/15	13:57:39.20	6.5878E+00	5.3137E+00	5.1896E+00	7.9551E-01	5.3310E+00	9.5685E+00	4.8654E+00
[illegible] 07/15	13:57:46.60	6.5907E+00	5.3173E+00	5.1910E+00	7.9334E-01	5.3303E+00	9.5663E+00	4.8633E+00
[illegible] 07/15	13:57:53.10	6.5936E+00	5.3173E+00	5.1903E+00	7.9551E-01	5.3325E+00	9.5721E+00	4.8662E+00
1991/07/15	13:57:59.60	6.5965E+00	5.3152E+00	5.1924E+00	7.9695E-01	5.3339E+00	9.5713E+00	4.8654E+00
991/07/15	13:58:06.10	6.5979E+00	5.3144E+00	5.1917E+00	7.9695E-01	5.3347E+00	9.5721E+00	4.8669E+00
991/07/15	13:58:12.60	6.5994E+00	5.3152E+00	5.1946E+00	7.9695E-01	5.3361E+00	9.5699E+00	4.8654E+00
1991/07/15	13:58:19.00	6.6023E+00	5.3159E+00	5.1953E+00	8.0056E-01	5.3397E+00	9.5757E+00	4.8698E+00
1991/07/15	13:58:26.50	6.6023E+00	5.3181E+00	5.1953E+00	7.9839E-01	5.3397E+00	9.5764E+00	4.8625E+00
991/07/15	13:58:32.90	6.6008E+00	5.3181E+00	5.1946E+00	7.9984E-01	5.3383E+00	9.5735E+00	4.8625E+00
991/07/15	13:58:39.40	6.6008E+00	5.3152E+00	5.1961E+00	7.9767E-01	5.3375E+00	9.5728E+00	4.8633E+00
1991/07/15	13:58:45.90	6.6052E+00	5.3202E+00	5.1968E+00	7.9912E-01	5.3397E+00	9.5692E+00	4.8654E+00
991/07/15	13:58:52.40	6.6037E+00	5.3209E+00	5.1982E+00	8.0056E-01	5.3412E+00	9.5764E+00	4.8690E+00
991/07/15	13:58:58.80	6.6080E+00	5.3195E+00	5.1997E+00	8.0056E-01	5.3419E+00	9.5764E+00	4.8669E+00
1991/07/15	13:59:06.30	6.6095E+00	5.3130E+00	5.1982E+00	8.0128E-01	5.3433E+00	9.5721E+00	4.8662E+00
1991/07/15	13:59:12.70	6.6109E+00	5.3209E+00	5.1997E+00	8.0272E-01	5.3440E+00	9.5757E+00	4.8654E+00
991/07/15	13:59:19.20	6.6080E+00	5.3202E+00	5.1989E+00	7.9984E-01	5.3412E+00	9.5713E+00	4.8647E+00
1991/07/15	13:59:25.70	6.6153E+00	5.3245E+00	5.2004E+00	8.0128E-01	5.3433E+00	9.5685E+00	4.8676E+00
1991/07/15	13:59:32.20	6.6153E+00	5.3224E+00	5.2011E+00	8.0056E-01	5.3448E+00	9.5728E+00	4.8662E+00
1991/07/15	13:59:38.70	6.6167E+00	5.3217E+00	5.2040E+00	7.9984E-01	5.3440E+00	9.5706E+00	4.8662E+00
1991/07/15	13:59:46.10	6.6196E+00	5.3217E+00	5.2018E+00	8.0128E-01	5.3455E+00	9.5728E+00	4.8662E+00
1991/07/15	13:59:52.50	6.6196E+00	5.3195E+00	5.2011E+00	8.0200E-01	5.3455E+00	9.5728E+00	4.8589E+00
1991/07/15	13:59:59.00	6.6210E+00	5.3231E+00	5.1997E+00	8.0272E-01	5.3462E+00	9.5728E+00	4.8633E+00
1991/07/15	14:00:05.50	6.6196E+00	5.3173E+00	5.1997E+00	8.0200E-01	5.3455E+00	9.5692E+00	4.8597E+00
1991/07/15	14:00:12.00	6.6225E+00	5.3188E+00	5.2004E+00	8.0128E-01	5.3476E+00	9.5699E+00	4.8604E+00
1991/07/15	14:00:18.40	6.6181E+00	5.3209E+00	5.1997E+00	8.0128E-01	5.3469E+00	9.5699E+00	4.8618E+00
1991/07/15	14:00:25.80	6.6181E+00	5.3173E+00	5.2033E+00	8.0417E-01	5.3491E+00	9.5713E+00	4.8604E+00
1991/07/15	14:00:32.30	6.6210E+00	5.3195E+00	5.2004E+00	8.0345E-01	5.3491E+00	9.5721E+00	4.8625E+00
[illegible] 07/15	14:00:38.80	6.6196E+00	5.3188E+00	5.2033E+00	8.0345E-01	5.3505E+00	9.5677E+00	4.8633E+00
1991/07/15	14:00:45.20	6.6196E+00	5.3173E+00	5.2026E+00	8.0272E-01	5.3513E+00	9.5706E+00	4.8647E+00
1991/07/15	14:00:51.70	6.6196E+00	5.3181E+00	5.2047E+00	8.0272E-01	5.3527E+00	9.5685E+00	4.8647E+00
1991/07/15	14:00:58.20	6.6225E+00	5.3188E+00	5.2062E+00	8.0345E-01	5.3541E+00	9.5699E+00	4.8640E+00
1991/07/15	14:01:05.60	6.6225E+00	5.3173E+00	5.2069E+00	7.9984E-01	5.3527E+00	9.5706E+00	4.8633E+00

Date	Time	Analog#01 10psi/W61-1 ft.....	Analog#02 5psi/p1.... ft.....	Analog#03 5psi/p2.... ft.....	Analog#04 5psi/p3.... ft.....	Analog#05 5psi/p4.... ft.....	Analog#06 5psi/p5.... ft.....	Analog#07 5psi/W9-31A ft.....
1991/07/15	14:01:12.00	6.6268E+00	5.3209E+00	5.2083E+00	8.0272E-01	5.3541E+00	9.5699E+00	4.8647E+00
1991/07/15	14:01:18.50	6.6283E+00	5.3202E+00	5.2076E+00	8.0561E-01	5.3549E+00	9.5692E+00	4.8633E+00
1991/07/15	14:01:25.00	6.6297E+00	5.3195E+00	5.2069E+00	8.0633E-01	5.3549E+00	9.5699E+00	4.8625E+00
1991/07/15	14:01:31.40	6.6283E+00	5.3144E+00	5.2054E+00	8.0272E-01	5.3534E+00	9.5713E+00	4.8647E+00
1991/07/15	14:01:38.00	6.6268E+00	5.3188E+00	5.2062E+00	8.0345E-01	5.3513E+00	9.5692E+00	4.8597E+00
1991/07/15	14:01:45.40	6.6283E+00	5.3188E+00	5.2076E+00	8.0200E-01	5.3534E+00	9.5670E+00	4.8640E+00
1991/07/15	14:01:51.80	6.6283E+00	5.3181E+00	5.2090E+00	8.0345E-01	5.3549E+00	9.5699E+00	4.8662E+00
1991/07/15	14:01:58.30	6.6297E+00	5.3144E+00	5.2083E+00	8.0417E-01	5.3541E+00	9.5713E+00	4.8625E+00
1991/07/15	14:02:04.80	6.6283E+00	5.3209E+00	5.2083E+00	8.0272E-01	5.3563E+00	9.5685E+00	4.8618E+00
1991/07/15	14:02:11.30	6.6297E+00	5.3195E+00	5.2076E+00	8.0706E-01	5.3592E+00	9.5692E+00	4.8640E+00
1991/07/15	14:02:17.80	6.6225E+00	5.3289E+00	5.2033E+00	8.0778E-01	5.3599E+00	9.5670E+00	4.8589E+00
1991/07/15	14:02:24.20	6.6283E+00	5.3195E+00	5.2076E+00	8.0633E-01	5.3578E+00	9.5656E+00	4.8618E+00
1991/07/15	14:02:46.30	6.6311E+00	5.3253E+00	5.2105E+00	8.0994E-01	5.3599E+00	9.5757E+00	4.8654E+00
1991/07/15	14:03:16.30	6.6340E+00	5.3217E+00	5.2127E+00	8.1139E-01	5.3592E+00	9.5822E+00	4.8662E+00
1991/07/15	14:03:46.30	6.6398E+00	5.3289E+00	5.2148E+00	8.1427E-01	5.3614E+00	9.5749E+00	4.8676E+00
1991/07/15	14:04:16.30	6.6412E+00	5.3282E+00	5.2155E+00	8.1139E-01	5.3635E+00	9.5771E+00	4.8647E+00
1991/07/15	14:04:46.30	6.6427E+00	5.3245E+00	5.2141E+00	8.1283E-01	5.3635E+00	9.5735E+00	4.8589E+00
1991/07/15	14:05:16.30	6.6485E+00	5.3231E+00	5.2177E+00	8.1572E-01	5.3664E+00	9.5728E+00	4.8640E+00
1991/07/15	14:05:46.30	6.6470E+00	5.3260E+00	5.2170E+00	8.1716E-01	5.3664E+00	9.5742E+00	4.8683E+00
1991/07/15	14:06:16.30	6.6485E+00	5.3253E+00	5.2213E+00	8.1500E-01	5.3679E+00	9.5713E+00	4.8647E+00
1991/07/15	14:06:46.30	6.6514E+00	5.3310E+00	5.2242E+00	8.2294E-01	5.3722E+00	9.5771E+00	4.8705E+00
1991/07/15	14:07:16.30	6.6485E+00	5.3325E+00	5.2249E+00	8.2005E-01	5.3686E+00	9.5728E+00	4.8625E+00
1991/07/15	14:07:46.30	6.6528E+00	5.3282E+00	5.2220E+00	8.1933E-01	5.3686E+00	9.5728E+00	4.8647E+00
1991/07/15	14:08:16.30	6.6542E+00	5.3231E+00	5.2228E+00	8.2005E-01	5.3707E+00	9.5706E+00	4.8597E+00
1991/07/15	14:03:46.30	6.6557E+00	5.3296E+00	5.2293E+00	8.2510E-01	5.3722E+00	9.5721E+00	4.8719E+00
1991/07/15	14:09:16.40	6.6629E+00	5.3354E+00	5.2321E+00	8.2799E-01	5.3809E+00	9.5786E+00	4.8662E+00
1991/07/15	14:09:46.30	6.6600E+00	5.3368E+00	5.2293E+00	8.3016E-01	5.3787E+00	9.5843E+00	4.8683E+00
1991/07/15	14:10:16.30	6.6615E+00	5.3332E+00	5.2278E+00	8.3232E-01	5.3772E+00	9.5778E+00	4.8690E+00
1991/07/15	14:10:46.30	6.6629E+00	5.3296E+00	5.2307E+00	8.3304E-01	5.3794E+00	9.5800E+00	4.8719E+00
1991/07/15	14:11:16.30	6.6586E+00	5.3318E+00	5.2307E+00	8.3377E-01	5.3772E+00	9.5771E+00	4.8654E+00
1991/07/15	14:11:46.30	6.6643E+00	5.3303E+00	5.2321E+00	8.3304E-01	5.3780E+00	9.5757E+00	4.8669E+00
1991/07/15	14:12:16.40	6.6615E+00	5.3303E+00	5.2307E+00	8.3232E-01	5.3772E+00	9.5764E+00	4.8662E+00
1991/07/15	14:12:46.40	6.6672E+00	5.3325E+00	5.2372E+00	8.3304E-01	5.3809E+00	9.5728E+00	4.8690E+00
1991/07/15	14:13:16.30	6.6658E+00	5.3347E+00	5.2379E+00	8.3882E-01	5.3852E+00	9.5786E+00	4.8676E+00
1991/07/15	14:13:46.30	6.6687E+00	5.3347E+00	5.2394E+00	8.4026E-01	5.3874E+00	9.5786E+00	4.8690E+00
1991/07/15	14:14:16.30	6.6658E+00	5.3325E+00	5.2336E+00	8.4026E-01	5.3816E+00	9.5793E+00	4.8676E+00
1991/07/15	14:14:46.30	6.6716E+00	5.3303E+00	5.2336E+00	8.4171E-01	5.3837E+00	9.5749E+00	4.8625E+00
1991/07/15	14:15:16.30	6.6716E+00	5.3375E+00	5.2394E+00	8.4098E-01	5.3859E+00	9.5786E+00	4.8712E+00
1991/07/15	14:15:46.40	6.6716E+00	5.3339E+00	5.2372E+00	8.4026E-01	5.3837E+00	9.5757E+00	4.8669E+00
1991/07/15	14:16:46.30	6.6672E+00	5.3383E+00	5.2372E+00	8.4604E-01	5.3845E+00	9.5757E+00	4.8683E+00
1991/07/15	14:17:46.30	6.6745E+00	5.3412E+00	5.2423E+00	8.4676E-01	5.3881E+00	9.5807E+00	4.8683E+00
1991/07/15	14:18:46.30	6.6730E+00	5.3419E+00	5.2430E+00	8.5037E-01	5.3895E+00	9.5814E+00	4.8676E+00
1991/07/15	14:19:46.30	6.6745E+00	5.3462E+00	5.2444E+00	8.5181E-01	5.3910E+00	9.5851E+00	4.8683E+00
1991/07/15	14:20:46.30	6.6773E+00	5.3433E+00	5.2473E+00	8.5542E-01	5.3946E+00	9.5836E+00	4.8669E+00
1991/07/15	14:21:46.30	6.6802E+00	5.3390E+00	5.2444E+00	8.5398E-01	5.3917E+00	9.5793E+00	4.8662E+00
1991/07/15	14:22:46.40	6.6788E+00	5.3404E+00	5.2473E+00	8.5687E-01	5.3953E+00	9.5807E+00	4.8669E+00
1991/07/15	14:23:46.30	6.6831E+00	5.3513E+00	5.2531E+00	8.6481E-01	5.3982E+00	9.5887E+00	4.8669E+00
1991/07/15	14:24:46.30	6.6831E+00	5.3484E+00	5.2502E+00	8.6408E-01	5.3982E+00	9.5872E+00	4.8727E+00
1991/07/15	14:25:46.40	6.6846E+00	5.3484E+00	5.2516E+00	8.6336E-01	5.3989E+00	9.5865E+00	4.8640E+00
1991/07/15	14:27:46.30	6.6831E+00	5.3390E+00	5.2488E+00	8.6047E-01	5.3967E+00	9.5807E+00	4.8698E+00
1991/07/15	14:29:46.30	6.6860E+00	5.3585E+00	5.2567E+00	8.7202E-01	5.4047E+00	9.5944E+00	4.8705E+00
1991/07/15	14:31:46.30	6.6889E+00	5.3635E+00	5.2603E+00	8.7924E-01	5.4068E+00	9.5966E+00	4.8763E+00
1991/07/15	14:33:46.30	6.6903E+00	5.3599E+00	5.2603E+00	8.8069E-01	5.4083E+00	9.5980E+00	4.8770E+00
1991/07/15	14:35:46.30	6.6932E+00	5.3585E+00	5.2625E+00	8.8718E-01	5.4126E+00	9.6031E+00	4.8727E+00

Date	Time	Analog#01 10psi/W61-1 ft.....	Analog#02 5psi/p1.... ft.....	Analog#03 5psi/p2.... ft.....	Analog#04 5psi/p3.... ft.....	Analog#05 5psi/p4.... ft.....	Analog#06 5psi/p5.... ft.....	Analog#07 5psi/W9-31A ft.....
1991/07/15	14:37:46.30	6.6918E+00	5.3592E+00	5.2632E+00	8.8863E-01	5.4126E+00	9.6009E+00	4.8741E+00
1991/07/15	14:39:46.30	6.6932E+00	5.3585E+00	5.2610E+00	8.9007E-01	5.4112E+00	9.6009E+00	4.8676E+00
1991/07/15	14:41:46.30	6.6990E+00	5.3578E+00	5.2639E+00	8.9296E-01	5.4155E+00	9.6024E+00	4.8712E+00
1991/07/15	14:43:46.30	6.7019E+00	5.3650E+00	5.2697E+00	8.9657E-01	5.4191E+00	9.6024E+00	4.8734E+00
1991/07/15	14:45:46.30	6.7004E+00	5.3657E+00	5.2661E+00	9.0090E-01	5.4206E+00	9.6060E+00	4.8748E+00
1991/07/15	14:47:46.30	6.6990E+00	5.3650E+00	5.2697E+00	9.0090E-01	5.4198E+00	9.6082E+00	4.8719E+00
1991/07/15	14:49:46.30	6.7019E+00	5.3628E+00	5.2704E+00	9.0234E-01	5.4220E+00	9.6017E+00	4.8755E+00
1991/07/15	14:51:46.30	6.7019E+00	5.3715E+00	5.2733E+00	9.0812E-01	5.4220E+00	9.6118E+00	4.8755E+00
1991/07/15	14:53:46.30	6.7033E+00	5.3686E+00	5.2733E+00	9.0884E-01	5.4249E+00	9.6118E+00	4.8748E+00
1991/07/15	14:55:46.40	6.7091E+00	5.3671E+00	5.2747E+00	9.1028E-01	5.4256E+00	9.6125E+00	4.8784E+00
1991/07/15	15:00:46.30	6.7105E+00	5.3751E+00	5.2841E+00	9.1462E-01	5.4299E+00	9.6118E+00	4.8770E+00
1991/07/15	15:05:46.30	6.7105E+00	5.3736E+00	5.2798E+00	9.2111E-01	5.4299E+00	9.6204E+00	4.8763E+00
1991/07/15	15:10:46.30	6.7105E+00	5.3787E+00	5.2863E+00	9.2689E-01	5.4357E+00	9.6211E+00	4.8777E+00
1991/07/15	15:15:46.30	6.7178E+00	5.3801E+00	5.2856E+00	9.2833E-01	5.4357E+00	9.6298E+00	4.8712E+00
1991/07/15	15:20:46.30	6.7192E+00	5.3830E+00	5.2899E+00	9.3699E-01	5.4415E+00	9.6305E+00	4.8792E+00
1991/07/15	15:25:46.30	6.7207E+00	5.3830E+00	5.2906E+00	9.3627E-01	5.4400E+00	9.6276E+00	4.8777E+00
1991/07/15	15:30:46.30	6.7250E+00	5.3888E+00	5.2971E+00	9.3916E-01	5.4473E+00	9.6349E+00	4.8792E+00
1991/07/15	15:35:46.30	6.7308E+00	5.3953E+00	5.3036E+00	9.4493E-01	5.4523E+00	9.6399E+00	4.8885E+00
1991/07/15	15:40:46.30	6.7293E+00	5.3953E+00	5.2993E+00	9.4638E-01	5.4523E+00	9.6442E+00	4.8849E+00
1991/07/15	15:45:46.30	6.7336E+00	5.4025E+00	5.3058E+00	9.5360E-01	5.4552E+00	9.6486E+00	4.8885E+00
1991/07/15	15:50:46.30	6.7351E+00	5.3989E+00	5.3043E+00	9.5360E-01	5.4552E+00	9.6457E+00	4.8856E+00
1991/07/15	15:55:46.30	6.7380E+00	5.3967E+00	5.3087E+00	9.5721E-01	5.4610E+00	9.6486E+00	4.8885E+00
1991/07/15	16:00:46.30	6.7394E+00	5.4068E+00	5.3108E+00	9.6226E-01	5.4617E+00	9.6558E+00	4.8900E+00
1991/07/15	16:05:46.30	6.7452E+00	5.4105E+00	5.3144E+00	9.6659E-01	5.4653E+00	9.6587E+00	4.8893E+00
1991/07/15	16:10:46.30	6.7481E+00	5.4097E+00	5.3188E+00	9.6298E-01	5.4682E+00	9.6529E+00	4.8893E+00
1991/07/15	16:15:46.30	6.7524E+00	5.4141E+00	5.3195E+00	9.7453E-01	5.4754E+00	9.6681E+00	4.8929E+00
1991/07/15	16:20:46.30	6.7611E+00	5.4169E+00	5.3202E+00	9.7020E-01	5.4711E+00	9.6630E+00	4.8914E+00
1991/07/15	16:25:46.30	6.7524E+00	5.4155E+00	5.3253E+00	9.7525E-01	5.4754E+00	9.6681E+00	4.8900E+00
1991/07/15	16:30:46.30	6.7611E+00	5.4321E+00	5.3289E+00	9.8175E-01	5.4776E+00	9.6746E+00	4.8994E+00
1991/07/15	16:35:46.40	6.7611E+00	5.4191E+00	5.3282E+00	9.7237E-01	5.4747E+00	9.6659E+00	4.9008E+00
1991/07/15	16:40:46.30	6.7625E+00	5.4198E+00	5.3296E+00	9.7886E-01	5.4769E+00	9.6710E+00	4.8958E+00
1991/07/15	16:45:46.30	6.7669E+00	5.4271E+00	5.3310E+00	9.7886E-01	5.4790E+00	9.6673E+00	4.8965E+00
1991/07/15	16:50:46.30	6.7683E+00	5.4285E+00	5.3361E+00	9.8247E-01	5.4812E+00	9.6746E+00	4.9008E+00
1991/07/15	16:55:46.40	6.7741E+00	5.4271E+00	5.3383E+00	9.8680E-01	5.4826E+00	9.6724E+00	4.9001E+00
1991/07/15	17:10:46.40	6.7798E+00	5.4379E+00	5.3448E+00	9.9113E-01	5.4877E+00	9.6818E+00	4.9023E+00
1991/07/15	17:25:46.40	6.7856E+00	5.4429E+00	5.3520E+00	9.9763E-01	5.4949E+00	9.6847E+00	4.9066E+00
1991/07/15	17:40:46.40	6.7885E+00	5.4415E+00	5.3527E+00	1.0012E+00	5.4956E+00	9.6868E+00	4.9073E+00
1991/07/15	17:55:46.40	6.7928E+00	5.4487E+00	5.3592E+00	1.0077E+00	5.5000E+00	9.6941E+00	4.9066E+00
1991/07/15	18:10:46.40	6.7986E+00	5.4523E+00	5.3628E+00	1.0099E+00	5.5036E+00	9.6977E+00	4.9059E+00
1991/07/15	18:25:46.40	6.8073E+00	5.4581E+00	5.3679E+00	1.0164E+00	5.5093E+00	9.7042E+00	4.9124E+00
1991/07/15	18:40:46.40	6.8116E+00	5.4610E+00	5.3700E+00	1.0207E+00	5.5115E+00	9.7056E+00	4.9095E+00
1991/07/15	18:55:46.40	6.8145E+00	5.4624E+00	5.3715E+00	1.0229E+00	5.5130E+00	9.7085E+00	4.9080E+00
1991/07/15	19:10:46.40	6.8188E+00	5.4704E+00	5.3794E+00	1.0265E+00	5.5173E+00	9.7107E+00	4.9109E+00
1991/07/15	19:25:46.40	6.8232E+00	5.4733E+00	5.3816E+00	1.0330E+00	5.5223E+00	9.7186E+00	4.9124E+00
1991/07/15	19:40:46.40	6.8304E+00	5.4754E+00	5.3866E+00	1.0352E+00	5.5231E+00	9.7157E+00	4.9116E+00
1991/07/15	19:55:46.40	6.8347E+00	5.4805E+00	5.3902E+00	1.0409E+00	5.5260E+00	9.7200E+00	4.9095E+00
1991/07/15	20:10:46.40	6.8419E+00	5.4848E+00	5.3946E+00	1.0438E+00	5.5296E+00	9.7193E+00	4.9131E+00
1991/07/15	20:25:46.40	6.8463E+00	5.4870E+00	5.3975E+00	1.0467E+00	5.5310E+00	9.7244E+00	4.9138E+00
1991/07/15	20:40:46.40	6.8506E+00	5.4891E+00	5.4011E+00	1.0503E+00	5.5346E+00	9.7258E+00	4.9138E+00
1991/07/15	20:55:46.40	6.8535E+00	5.4920E+00	5.4040E+00	1.0532E+00	5.5346E+00	9.7287E+00	4.9131E+00
1991/07/15	21:25:46.40	6.8607E+00	5.4978E+00	5.4097E+00	1.0568E+00	5.5404E+00	9.7302E+00	4.9138E+00
1991/07/15	21:55:46.40	6.8665E+00	5.5007E+00	5.4126E+00	1.0612E+00	5.5426E+00	9.7309E+00	4.9087E+00
1991/07/15	22:25:46.40	6.8708E+00	5.5036E+00	5.4177E+00	1.0648E+00	5.5454E+00	9.7338E+00	4.9109E+00
1991/07/15	22:55:46.40	6.8751E+00	5.5079E+00	5.4206E+00	1.0691E+00	5.5491E+00	9.7388E+00	4.9138E+00

e	Time	Analog#01 10psi/W61-1 ft.....	Analog#02 5psi/p1.... ft.....	Analog#03 5psi/p2.... ft.....	Analog#04 5psi/p3.... ft.....	Analog#05 5psi/p4.... ft.....	Analog#06 5psi/p5.... ft.....	Analog#07 5psi/W9-31A ft.....
1991/07/15	23:25:46.40	6.8780E+00	5.5108E+00	5.4249E+00	1.0720E+00	5.5519E+00	9.7403E+00	4.9167E+00
1991/07/15	23:55:46.40	6.8824E+00	5.5137E+00	5.4278E+00	1.0749E+00	5.5548E+00	9.7439E+00	4.9239E+00
1991/07/16	00:25:46.40	6.8867E+00	5.5166E+00	5.4321E+00	1.0778E+00	5.5577E+00	9.7468E+00	4.9304E+00
991/07/16	00:55:46.40	6.8881E+00	5.5195E+00	5.4336E+00	1.0806E+00	5.5606E+00	9.7511E+00	4.9326E+00
1991/07/16	01:25:46.40	6.8925E+00	5.5223E+00	5.4364E+00	1.0828E+00	5.5635E+00	9.7533E+00	4.9369E+00
1991/07/16	01:55:46.40	6.8939E+00	5.5252E+00	5.4393E+00	1.0850E+00	5.5657E+00	9.7569E+00	4.9391E+00
991/07/16	02:25:46.40	6.8953E+00	5.5252E+00	5.4408E+00	1.0871E+00	5.5678E+00	9.7583E+00	4.9412E+00
991/07/16	02:55:46.40	6.8982E+00	5.5288E+00	5.4429E+00	1.0893E+00	5.5700E+00	9.7612E+00	4.9427E+00
1991/07/16	03:25:46.40	6.8997E+00	5.5310E+00	5.4444E+00	1.0908E+00	5.5722E+00	9.7641E+00	4.9456E+00
991/07/16	03:55:46.40	6.9011E+00	5.5317E+00	5.4465E+00	1.0929E+00	5.5736E+00	9.7655E+00	4.9448E+00
991/07/16	04:25:46.40	6.9026E+00	5.5339E+00	5.4473E+00	1.0936E+00	5.5758E+00	9.7670E+00	4.9470E+00
1991/07/16	04:55:46.40	6.9040E+00	5.5353E+00	5.4502E+00	1.0951E+00	5.5779E+00	9.7699E+00	4.9492E+00
1991/07/16	05:55:46.40	6.9069E+00	5.5382E+00	5.4523E+00	1.0972E+00	5.5794E+00	9.7720E+00	4.9456E+00
991/07/16	06:55:46.40	6.9083E+00	5.5397E+00	5.4545E+00	1.0994E+00	5.5823E+00	9.7727E+00	4.9441E+00
991/07/16	07:55:46.40	6.9112E+00	5.5426E+00	5.4567E+00	1.1030E+00	5.5859E+00	9.7749E+00	4.9463E+00
1991/07/16	08:55:46.40	6.9069E+00	5.5404E+00	5.4567E+00	1.1001E+00	5.5844E+00	9.7756E+00	4.9333E+00
991/07/16	09:55:46.40	6.9040E+00	5.5404E+00	5.4559E+00	1.0987E+00	5.5866E+00	9.7742E+00	4.9340E+00
991/07/16	10:55:46.40	6.8997E+00	5.5404E+00	5.4559E+00	1.0965E+00	5.5866E+00	9.7785E+00	4.9369E+00
1991/07/16	11:55:46.40	6.8939E+00	5.5426E+00	5.4538E+00	1.0951E+00	5.5902E+00	9.7821E+00	4.9448E+00
991/07/16	12:55:46.40	6.8737E+00	5.5296E+00	5.4444E+00	1.0814E+00	5.5895E+00	9.7807E+00	4.9492E+00
991/07/16	13:55:46.30	6.8795E+00	5.5303E+00	5.4465E+00	1.0871E+00	5.5924E+00	9.7865E+00	4.9557E+00
1991/07/16	14:55:46.30	6.8795E+00	5.5310E+00	5.4509E+00	1.0965E+00	5.5945E+00	9.7915E+00	4.9586E+00
1991/07/16	15:55:46.40	6.8795E+00	5.5317E+00	5.4502E+00	1.0864E+00	5.5938E+00	9.7901E+00	4.9694E+00
[illegible]07/16	16:55:46.40	6.8910E+00	5.5332E+00	5.4523E+00	1.0944E+00	5.5967E+00	9.7944E+00	4.9730E+00
[illegible]07/16	17:55:46.40	6.8997E+00	5.5426E+00	5.4581E+00	1.1016E+00	5.6003E+00	9.7951E+00	4.9752E+00
1991/07/16	18:55:46.40	6.9026E+00	5.5505E+00	5.4639E+00	1.1045E+00	5.6017E+00	9.7980E+00	4.9759E+00
991/07/16	19:55:46.40	6.9127E+00	5.5555E+00	5.4689E+00	1.1110E+00	5.6039E+00	9.8002E+00	4.9723E+00
991/07/16	20:55:46.40	6.9257E+00	5.5599E+00	5.4754E+00	1.1175E+00	5.6061E+00	9.8016E+00	4.9701E+00
1991/07/16	21:55:46.40	6.9300E+00	5.5613E+00	5.4783E+00	1.1211E+00	5.6061E+00	9.7980E+00	4.9636E+00
1991/07/16	22:55:46.40	6.9358E+00	5.5657E+00	5.4812E+00	1.1240E+00	5.6082E+00	9.8009E+00	4.9658E+00
991/07/16	23:55:46.40	6.9387E+00	5.5671E+00	5.4834E+00	1.1254E+00	5.6090E+00	9.8016E+00	4.9694E+00
1991/07/17	00:55:46.40	6.9401E+00	5.5685E+00	5.4855E+00	1.1268E+00	5.6097E+00	9.8009E+00	4.9708E+00
1991/07/17	01:55:46.40	6.9415E+00	5.5693E+00	5.4862E+00	1.1276E+00	5.6111E+00	9.8031E+00	4.9744E+00
991/07/17	02:55:46.40	6.9444E+00	5.5722E+00	5.4877E+00	1.1290E+00	5.6126E+00	9.8052E+00	4.9795E+00
991/07/17	03:55:46.40	6.9459E+00	5.5722E+00	5.4884E+00	1.1305E+00	5.6133E+00	9.8059E+00	4.9809E+00
1991/07/17	04:55:46.40	6.9488E+00	5.5743E+00	5.4913E+00	1.1319E+00	5.6140E+00	9.8059E+00	4.9824E+00
1991/07/17	05:55:46.40	6.9502E+00	5.5758E+00	5.4920E+00	1.1333E+00	5.6140E+00	9.8067E+00	4.9773E+00
1991/07/17	06:55:46.40	6.9517E+00	5.5750E+00	5.4927E+00	1.1341E+00	5.6147E+00	9.8052E+00	4.9716E+00
1991/07/17	07:55:46.40	6.9517E+00	5.5736E+00	5.4927E+00	1.1333E+00	5.6140E+00	9.8038E+00	4.9708E+00

AQUIFER PUMPING TEST 3

DATA

PUMP TEST 3.

 Terra8 Data File --> D:\TEM\SITE9\PUMP3.HEX

Date	Time	Analog#01 10 psi/W56- ft.....	Analog#02 5 psi/p-7.. ft.....	Analog#03 5 psi/p-8.. ft.....	Analog#04 5 psi/p-6.. ft.....	Analog#05 5 psi/p-10. ft.....	Analog#06 5 psi/p-9.. ft.....
1991/07/22	11:32:47.90	1.3812E+01	1.0095E+01	1.0934E+01	1.0019E+01	9.0408E+00	5.4935E+00
1991/07/22	11:32:49.30	1.3809E+01	1.0094E+01	1.0934E+01	1.0019E+01	9.0415E+00	5.4935E+00
1991/07/22	11:32:51.50	1.3423E+01	1.0093E+01	1.0933E+01	1.0020E+01	9.0415E+00	5.4935E+00
1991/07/22	11:32:52.30	1.3765E+01	1.0093E+01	1.0932E+01	1.0019E+01	9.0408E+00	5.4927E+00
1991/07/22	11:32:53.10	1.3870E+01	1.0093E+01	1.0932E+01	1.0017E+01	9.0408E+00	5.4927E+00
1991/07/22	11:32:53.80	1.3821E+01	1.0093E+01	1.0932E+01	1.0019E+01	9.0408E+00	5.4927E+00
1991/07/22	11:32:55.60	1.3697E+01	1.0093E+01	1.0932E+01	1.0018E+01	9.0422E+00	5.4927E+00
1991/07/22	11:32:56.40	1.3665E+01	1.0092E+01	1.0931E+01	1.0019E+01	9.0422E+00	5.4927E+00
1991/07/22	11:32:57.10	1.3635E+01	1.0093E+01	1.0931E+01	1.0019E+01	9.0408E+00	5.4927E+00
1991/07/22	11:32:57.90	1.3599E+01	1.0093E+01	1.0930E+01	1.0019E+01	9.0415E+00	5.4927E+00
1991/07/22	11:32:59.70	1.3567E+01	1.0090E+01	1.0931E+01	1.0018E+01	9.0415E+00	5.4927E+00
1991/07/22	11:33:00.40	1.3560E+01	1.0090E+01	1.0930E+01	1.0017E+01	9.0408E+00	5.4920E+00
1991/07/22	11:33:01.20	1.3551E+01	1.0090E+01	1.0930E+01	1.0018E+01	9.0415E+00	5.4920E+00
1991/07/22	11:33:02.00	1.3522E+01	1.0091E+01	1.0929E+01	1.0017E+01	9.0415E+00	5.4927E+00
1991/07/22	11:33:03.70	1.3476E+01	1.0091E+01	1.0929E+01	1.0017E+01	9.0408E+00	5.4927E+00
1991/07/22	11:33:04.50	1.3467E+01	1.0090E+01	1.0929E+01	1.0016E+01	9.0400E+00	5.4920E+00
1991/07/22	11:33:05.30	1.3437E+01	1.0090E+01	1.0928E+01	1.0016E+01	9.0408E+00	5.4920E+00
1991/07/22	11:33:06.10	1.3444E+01	1.0089E+01	1.0928E+01	1.0017E+01	9.0408E+00	5.4927E+00
1991/07/22	11:33:07.80	1.3408E+01	1.0088E+01	1.0928E+01	1.0017E+01	9.0408E+00	5.4927E+00
1991/07/22	11:33:08.60	1.3385E+01	1.0089E+01	1.0928E+01	1.0017E+01	9.0400E+00	5.4927E+00
1991/07/22	11:33:09.40	1.3381E+01	1.0090E+01	1.0927E+01	1.0017E+01	9.0408E+00	5.4927E+00
1991/07/22	11:33:10.20	1.3360E+01	1.0089E+01	1.0926E+01	1.0015E+01	9.0415E+00	5.4927E+00
1991/07/22	11:33:11.90	1.3321E+01	1.0089E+01	1.0927E+01	1.0016E+01	9.0415E+00	5.4927E+00
1991/07/22	11:33:12.70	1.3329E+01	1.0088E+01	1.0926E+01	1.0015E+01	9.0429E+00	5.4935E+00
1991/07/22	11:33:13.50	1.3304E+01	1.0089E+01	1.0928E+01	1.0016E+01	9.0422E+00	5.4935E+00
1991/07/22	11:33:14.20	1.3306E+01	1.0089E+01	1.0928E+01	1.0015E+01	9.0415E+00	5.4927E+00
1991/07/22	11:33:16.00	1.3267E+01	1.0090E+01	1.0928E+01	1.0016E+01	9.0422E+00	5.4935E+00
1991/07/22	11:33:16.80	1.3248E+01	1.0090E+01	1.0928E+01	1.0016E+01	9.0422E+00	5.4935E+00
1991/07/22	11:33:17.50	1.3225E+01	1.0089E+01	1.0928E+01	1.0016E+01	9.0422E+00	5.4942E+00
1991/07/22	11:33:18.30	1.3203E+01	1.0089E+01	1.0928E+01	1.0015E+01	9.0422E+00	5.4935E+00
1991/07/22	11:33:20.10	1.3192E+01	1.0090E+01	1.0928E+01	1.0016E+01	9.0422E+00	5.4942E+00
1991/07/22	11:33:20.90	1.3168E+01	1.0090E+01	1.0928E+01	1.0015E+01	9.0429E+00	5.4935E+00
1991/07/22	11:33:22.40	1.3142E+01	1.0090E+01	1.0928E+01	1.0017E+01	9.0429E+00	5.4942E+00
1991/07/22	11:33:24.40	1.3116E+01	1.0090E+01	1.0928E+01	1.0017E+01	9.0429E+00	5.4949E+00
1991/07/22	11:33:26.40	1.3093E+01	1.0090E+01	1.0929E+01	1.0017E+01	9.0436E+00	5.4949E+00
1991/07/22	11:33:28.40	1.3051E+01	1.0090E+01	1.0929E+01	1.0017E+01	9.0422E+00	5.4942E+00
1991/07/22	11:33:30.30	1.3024E+01	1.0090E+01	1.0929E+01	1.0017E+01	9.0429E+00	5.4935E+00
1991/07/22	11:33:32.40	1.3002E+01	1.0090E+01	1.0928E+01	1.0017E+01	9.0429E+00	5.4935E+00
1991/07/22	11:33:34.40	1.2966E+01	1.0090E+01	1.0928E+01	1.0017E+01	9.0415E+00	5.4927E+00
1991/07/22	11:33:36.40	1.2933E+01	1.0090E+01	1.0930E+01	1.0017E+01	9.0415E+00	5.4935E+00
1991/07/22	11:33:38.40	1.2898E+01	1.0091E+01	1.0928E+01	1.0017E+01	9.0408E+00	5.4935E+00
1991/07/22	11:33:40.40	1.2884E+01	1.0091E+01	1.0929E+01	1.0017E+01	9.0415E+00	5.4949E+00
1991/07/22	11:33:42.30	1.2845E+01	1.0091E+01	1.0928E+01	1.0016E+01	9.0415E+00	5.4942E+00
1991/07/22	11:33:44.40	1.2820E+01	1.0090E+01	1.0929E+01	1.0016E+01	9.0429E+00	5.4949E+00
1991/07/22	11:33:46.40	1.2792E+01	1.0091E+01	1.0929E+01	1.0017E+01	9.0436E+00	5.4949E+00
1991/07/22	11:33:48.40	1.2776E+01	1.0092E+01	1.0930E+01	1.0017E+01	9.0429E+00	5.4964E+00
1991/07/22	11:33:54.50	1.2683E+01	1.0092E+01	1.0929E+01	1.0018E+01	9.0451E+00	5.4985E+00
1991/07/22	11:34:00.60	1.2617E+01	1.0092E+01	1.0931E+01	1.0018E+01	9.0458E+00	5.4978E+00
1991/07/22	11:34:06.70	1.2555E+01	1.0093E+01	1.0932E+01	1.0018E+01	9.0444E+00	5.4971E+00
1991/07/22	11:34:13.70	1.2478E+01	1.0094E+01	1.0933E+01	1.0019E+01	9.0444E+00	5.4964E+00
1991/07/22	11:34:19.80	1.2410E+01	1.0094E+01	1.0934E+01	1.0020E+01	9.0436E+00	5.4949E+00
1991/07/22	11:34:25.90	1.2341E+01	1.0095E+01	1.0935E+01	1.0020E+01	9.0436E+00	5.4942E+00
1991/07/22	11:34:31.90	1.2291E+01	1.0095E+01	1.0936E+01	1.0020E+01	9.0436E+00	5.4935E+00

te	Time	Analog#01 10 psi/W56- ft.....	Analog#02 5 psi/p-7.. ft.....	Analog#03 5 psi/p-8.. ft.....	Analog#04 5 psi/p-6.. ft.....	Analog#05 5 psi/p-10. ft.....	Analog#06 5 psi/p-9.. ft.....
1991/07/22	11:34:38.10	1.2226E+01	1.0095E+01	1.0936E+01	1.0020E+01	9.0422E+00	5.4927E+00
1991/07/22	11:34:44.20	1.2187E+01	1.0096E+01	1.0936E+01	1.0019E+01	9.0422E+00	5.4927E+00
1991/07/22	11:34:51.30	1.2149E+01	1.0095E+01	1.0936E+01	1.0020E+01	9.0415E+00	5.4942E+00
1991/07/22	11:34:57.40	1.2084E+01	1.0095E+01	1.0934E+01	1.0020E+01	9.0436E+00	5.4964E+00
1991/07/22	11:35:03.50	1.2025E+01	1.0095E+01	1.0935E+01	1.0020E+01	9.0458E+00	5.4978E+00
1991/07/22	11:35:09.60	1.2006E+01	1.0096E+01	1.0935E+01	1.0020E+01	9.0465E+00	5.4985E+00
1991/07/22	11:35:15.70	1.1954E+01	1.0095E+01	1.0934E+01	1.0020E+01	9.0451E+00	5.4978E+00
1991/07/22	11:35:21.80	1.1927E+01	1.0095E+01	1.0935E+01	1.0021E+01	9.0444E+00	5.4964E+00
1991/07/22	11:35:28.90	1.1871E+01	1.0095E+01	1.0936E+01	1.0020E+01	9.0429E+00	5.4949E+00
1991/07/22	11:35:34.90	1.1830E+01	1.0097E+01	1.0935E+01	1.0020E+01	9.0429E+00	5.4949E+00
1991/07/22	11:35:41.10	1.1797E+01	1.0096E+01	1.0935E+01	1.0020E+01	9.0436E+00	5.4942E+00
1991/07/22	11:35:47.20	1.1754E+01	1.0095E+01	1.0935E+01	1.0020E+01	9.0436E+00	5.4935E+00
1991/07/22	11:35:53.30	1.1729E+01	1.0095E+01	1.0934E+01	1.0021E+01	9.0422E+00	5.4942E+00
1991/07/22	11:36:00.40	1.1693E+01	1.0096E+01	1.0934E+01	1.0020E+01	9.0422E+00	5.4949E+00
1991/07/22	11:36:06.50	1.1653E+01	1.0095E+01	1.0935E+01	1.0020E+01	9.0429E+00	5.4949E+00
1991/07/22	11:36:12.60	1.1640E+01	1.0096E+01	1.0936E+01	1.0019E+01	9.0429E+00	5.4949E+00
1991/07/22	11:36:18.70	1.1599E+01	1.0095E+01	1.0936E+01	1.0019E+01	9.0415E+00	5.4942E+00
1991/07/22	11:36:25.80	1.1575E+01	1.0096E+01	1.0936E+01	1.0020E+01	9.0408E+00	5.4935E+00
1991/07/22	11:36:31.90	1.1559E+01	1.0096E+01	1.0937E+01	1.0019E+01	9.0415E+00	5.4927E+00
1991/07/22	11:36:38.00	1.1536E+01	1.0096E+01	1.0937E+01	1.0019E+01	9.0422E+00	5.4927E+00
1991/07/22	11:36:44.10	1.1485E+01	1.0096E+01	1.0936E+01	1.0019E+01	9.0415E+00	5.4927E+00
1991/07/22	11:36:51.20	1.1452E+01	1.0097E+01	1.0936E+01	1.0019E+01	9.0429E+00	5.4942E+00
1991/07/22	11:36:57.30	1.1427E+01	1.0098E+01	1.0936E+01	1.0020E+01	9.0451E+00	5.4971E+00
1991/07/22	11:37:03.40	1.1403E+01	1.0098E+01	1.0936E+01	1.0021E+01	9.0458E+00	5.4978E+00
1991/07/22	11:37:09.50	1.1410E+01	1.0098E+01	1.0936E+01	1.0020E+01	9.0473E+00	5.4985E+00
1991/07/22	11:37:16.60	1.1357E+01	1.0098E+01	1.0937E+01	1.0020E+01	9.0473E+00	5.4992E+00
1991/07/22	11:37:22.70	1.1333E+01	1.0099E+01	1.0937E+01	1.0021E+01	9.0465E+00	5.4985E+00
1991/07/22	11:37:28.80	1.1315E+01	1.0098E+01	1.0937E+01	1.0021E+01	9.0465E+00	5.4971E+00
1991/07/22	11:37:34.90	1.1306E+01	1.0098E+01	1.0938E+01	1.0020E+01	9.0458E+00	5.4956E+00
1991/07/22	11:37:42.00	1.1254E+01	1.0098E+01	1.0937E+01	1.0020E+01	9.0436E+00	5.4942E+00
1991/07/22	11:37:48.00	1.1264E+01	1.0096E+01	1.0938E+01	1.0020E+01	9.0436E+00	5.4927E+00
1991/07/22	11:37:54.10	1.1209E+01	1.0096E+01	1.0936E+01	1.0020E+01	9.0422E+00	5.4927E+00
1991/07/22	11:38:00.30	1.1206E+01	1.0096E+01	1.0936E+01	1.0020E+01	9.0415E+00	5.4935E+00
1991/07/22	11:38:06.40	1.1179E+01	1.0097E+01	1.0936E+01	1.0019E+01	9.0429E+00	5.4942E+00
1991/07/22	11:38:13.50	1.1160E+01	1.0097E+01	1.0936E+01	1.0018E+01	9.0429E+00	5.4942E+00
1991/07/22	11:38:19.50	1.1133E+01	1.0097E+01	1.0936E+01	1.0019E+01	9.0429E+00	5.4942E+00
1991/07/22	11:38:25.70	1.1108E+01	1.0096E+01	1.0936E+01	1.0018E+01	9.0436E+00	5.4942E+00
1991/07/22	11:38:31.80	1.1102E+01	1.0097E+01	1.0936E+01	1.0017E+01	9.0429E+00	5.4942E+00
1991/07/22	11:38:38.90	1.1082E+01	1.0098E+01	1.0936E+01	1.0019E+01	9.0436E+00	5.4949E+00
1991/07/22	11:38:45.00	1.1056E+01	1.0098E+01	1.0936E+01	1.0019E+01	9.0451E+00	5.4956E+00
1991/07/22	11:38:51.10	1.1059E+01	1.0098E+01	1.0936E+01	1.0020E+01	9.0458E+00	5.4971E+00
1991/07/22	11:38:57.20	1.1030E+01	1.0099E+01	1.0937E+01	1.0020E+01	9.0458E+00	5.4964E+00
1991/07/22	11:39:04.30	1.1014E+01	1.0099E+01	1.0937E+01	1.0021E+01	9.0458E+00	5.4964E+00
1991/07/22	11:39:18.40	1.0997E+01	1.0100E+01	1.0939E+01	1.0022E+01	9.0465E+00	5.4978E+00
1991/07/22	11:39:48.40	1.0912E+01	1.0101E+01	1.0939E+01	1.0023E+01	9.0458E+00	5.4978E+00
1991/07/22	11:40:18.30	1.0856E+01	1.0105E+01	1.0941E+01	1.0027E+01	9.0458E+00	5.4964E+00
1991/07/22	11:40:48.40	1.0772E+01	1.0103E+01	1.0943E+01	1.0025E+01	9.0451E+00	5.4971E+00
1991/07/22	11:41:18.30	1.0679E+01	1.0103E+01	1.0941E+01	1.0025E+01	9.0465E+00	5.4978E+00
1991/07/22	11:41:48.40	1.0590E+01	1.0101E+01	1.0940E+01	1.0023E+01	9.0451E+00	5.4964E+00
07/22	11:42:18.40	1.0515E+01	1.0101E+01	1.0941E+01	1.0021E+01	9.0429E+00	5.4935E+00
1991/07/22	11:42:48.40	1.0414E+01	1.0100E+01	1.0939E+01	1.0018E+01	9.0393E+00	5.4927E+00
1991/07/22	11:43:18.40	1.0321E+01	1.0100E+01	1.0938E+01	1.0017E+01	9.0408E+00	5.4935E+00
1991/07/22	11:43:48.30	1.0235E+01	1.0103E+01	1.0939E+01	1.0020E+01	9.0480E+00	5.4992E+00
1991/07/22	11:44:18.30	1.0129E+01	1.0099E+01	1.0939E+01	1.0018E+01	9.0436E+00	5.4949E+00

Date	Time	Analog#01 10 psi/W56- ft.....	Analog#02 5 psi/p-7.. ft.....	Analog#03 5 psi/p-8.. ft.....	Analog#04 5 psi/p-6.. ft.....	Analog#05 5 psi/p-10. ft.....	Analog#06 5 psi/p-9.. ft.....
1991/07/22	11:44:48.40	1.0050E+01	1.0103E+01	1.0942E+01	1.0020E+01	9.0480E+00	5.5000E+00
1991/07/22	11:45:18.40	9.9705E+00	1.0103E+01	1.0943E+01	1.0020E+01	9.0487E+00	5.4992E+00
1991/07/22	11:45:48.40	9.8781E+00	1.0102E+01	1.0941E+01	1.0019E+01	9.0451E+00	5.4971E+00
1991/07/22	11:46:18.40	9.7699E+00	1.0104E+01	1.0945E+01	1.0020E+01	9.0494E+00	5.5021E+00
1991/07/22	11:46:48.30	9.7886E+00	1.0103E+01	1.0942E+01	1.0019E+01	9.0494E+00	5.4985E+00
1991/07/22	11:47:18.40	9.9705E+00	1.0103E+01	1.0941E+01	1.0017E+01	9.0465E+00	5.4971E+00
1991/07/22	11:47:48.40	1.0085E+01	1.0102E+01	1.0942E+01	1.0015E+01	9.0473E+00	5.4985E+00
1991/07/22	11:48:18.30	1.0196E+01	1.0101E+01	1.0940E+01	1.0013E+01	9.0465E+00	5.5007E+00
1991/07/22	11:48:48.40	1.0288E+01	1.0103E+01	1.0943E+01	1.0015E+01	9.0523E+00	5.5021E+00
1991/07/22	11:49:18.30	1.0396E+01	1.0098E+01	1.0939E+01	1.0012E+01	9.0436E+00	5.4942E+00
1991/07/22	11:49:48.40	1.0487E+01	1.0096E+01	1.0936E+01	1.0010E+01	9.0429E+00	5.4927E+00
1991/07/22	11:50:18.40	1.0548E+01	1.0096E+01	1.0934E+01	1.0008E+01	9.0436E+00	5.4971E+00
1991/07/22	11:50:48.40	1.0588E+01	1.0099E+01	1.0936E+01	1.0011E+01	9.0494E+00	5.5007E+00
1991/07/22	11:51:18.30	1.0662E+01	1.0097E+01	1.0934E+01	1.0008E+01	9.0422E+00	5.4920E+00
1991/07/22	11:51:48.40	1.0734E+01	1.0095E+01	1.0935E+01	1.0004E+01	9.0422E+00	5.4956E+00
1991/07/22	11:52:18.40	1.0809E+01	1.0095E+01	1.0936E+01	1.0005E+01	9.0458E+00	5.4964E+00
1991/07/22	11:52:48.40	1.0845E+01	1.0095E+01	1.0936E+01	1.0002E+01	9.0422E+00	5.4935E+00
1991/07/22	11:53:48.30	1.0913E+01	1.0096E+01	1.0941E+01	1.0002E+01	9.0444E+00	5.4971E+00
1991/07/22	11:54:48.30	1.0975E+01	1.0098E+01	1.0941E+01	1.0002E+01	9.0480E+00	5.4992E+00
1991/07/22	11:55:48.40	1.1000E+01	1.0100E+01	1.0944E+01	1.0001E+01	9.0436E+00	5.4956E+00
1991/07/22	11:56:48.40	1.1043E+01	1.0099E+01	1.0940E+01	1.0003E+01	9.0516E+00	5.5014E+00
1991/07/22	11:57:48.30	1.1068E+01	1.0100E+01	1.0945E+01	1.0002E+01	9.0451E+00	5.4978E+00
1991/07/22	11:58:48.30	1.0817E+01	1.0097E+01	1.0941E+01	9.9994E+00	9.0444E+00	5.4942E+00
1991/07/22	11:59:48.30	1.0588E+01	1.0096E+01	1.0941E+01	9.9944E+00	9.0415E+00	5.4949E+00
1991/07/22	12:00:48.30	1.0411E+01	1.0096E+01	1.0940E+01	9.9929E+00	9.0451E+00	5.4964E+00
1991/07/22	12:01:48.30	1.0256E+01	1.0097E+01	1.0943E+01	9.9944E+00	9.0473E+00	5.4978E+00
1991/07/22	12:02:48.40	1.0099E+01	1.0098E+01	1.0941E+01	9.9972E+00	9.0538E+00	5.5050E+00
1991/07/22	12:04:48.30	9.7424E+00	1.0098E+01	1.0941E+01	9.9972E+00	9.0480E+00	5.5000E+00
1991/07/22	12:06:48.40	9.4696E+00	1.0094E+01	1.0941E+01	9.9900E+00	9.0473E+00	5.4985E+00
1991/07/22	12:08:48.40	9.1765E+00	1.0094E+01	1.0939E+01	9.9871E+00	9.0480E+00	5.5007E+00
1991/07/22	12:10:48.30	8.9108E+00	1.0091E+01	1.0940E+01	9.9799E+00	9.0400E+00	5.4927E+00
1991/07/22	12:12:48.30	8.6697E+00	1.0090E+01	1.0938E+01	9.9763E+00	9.0379E+00	5.4913E+00
1991/07/22	12:14:48.30	8.4171E+00	1.0089E+01	1.0935E+01	9.9741E+00	9.0480E+00	5.5021E+00
1991/07/22	12:16:48.30	8.1673E+00	1.0094E+01	1.0941E+01	9.9763E+00	9.0458E+00	5.4971E+00
1991/07/22	12:18:48.30	7.9190E+00	1.0091E+01	1.0939E+01	9.9713E+00	9.0501E+00	5.5036E+00
1991/07/22	12:20:48.40	7.7024E+00	1.0093E+01	1.0940E+01	9.9705E+00	9.0436E+00	5.4935E+00
1991/07/22	12:22:48.40	7.5335E+00	1.0086E+01	1.0936E+01	9.9633E+00	9.0451E+00	5.4964E+00
1991/07/22	12:24:48.40	7.3328E+00	1.0087E+01	1.0937E+01	9.9604E+00	9.0408E+00	5.4920E+00
1991/07/22	12:26:48.30	7.1581E+00	1.0094E+01	1.0944E+01	9.9640E+00	9.0451E+00	5.4971E+00
1991/07/22	12:28:48.30	6.9733E+00	1.0085E+01	1.0932E+01	9.9525E+00	9.0364E+00	5.4899E+00
1991/07/22	12:30:48.30	6.8405E+00	1.0081E+01	1.0930E+01	9.9489E+00	9.0458E+00	5.5007E+00
1991/07/22	12:32:48.40	6.6846E+00	1.0080E+01	1.0931E+01	9.9417E+00	9.0386E+00	5.4920E+00
1991/07/22	12:37:48.30	6.4059E+00	1.0085E+01	1.0934E+01	9.9402E+00	9.0393E+00	5.4920E+00
1991/07/22	12:42:48.30	6.0883E+00	1.0091E+01	1.0941E+01	9.9402E+00	9.0473E+00	5.5007E+00
1991/07/22	12:47:48.30	5.7909E+00	1.0083E+01	1.0929E+01	9.9294E+00	9.0422E+00	5.4935E+00
1991/07/22	12:52:48.30	5.5296E+00	1.0083E+01	1.0933E+01	9.9222E+00	9.0451E+00	5.4985E+00
1991/07/22	12:57:48.30	5.2726E+00	1.0077E+01	1.0926E+01	9.9106E+00	9.0379E+00	5.4920E+00
1991/07/22	13:02:48.30	5.0618E+00	1.0081E+01	1.0931E+01	9.9085E+00	9.0415E+00	5.4935E+00
1991/07/22	13:07:48.30	4.8409E+00	1.0082E+01	1.0930E+01	9.9063E+00	9.0429E+00	5.4956E+00
1991/07/22	13:12:48.30	4.6734E+00	1.0078E+01	1.0926E+01	9.8976E+00	9.0429E+00	5.4956E+00
1991/07/22	13:17:48.30	4.5175E+00	1.0076E+01	1.0923E+01	9.8904E+00	9.0494E+00	5.5007E+00
1991/07/22	13:22:48.30	4.3876E+00	1.0077E+01	1.0922E+01	9.8875E+00	9.0415E+00	5.4942E+00
1991/07/22	13:27:48.30	4.2360E+00	1.0082E+01	1.0928E+01	9.8890E+00	9.0386E+00	5.4891E+00
1991/07/22	13:32:48.30	4.0945E+00	1.0080E+01	1.0925E+01	9.8825E+00	9.0444E+00	5.4964E+00

last valve adjustment

Date	Time	Analog#01 10 psi/W56- ft.....	Analog#02 5 psi/p-7.. ft.....	Analog#03 5 psi/p-8.. ft.....	Analog#04 5 psi/p-6.. ft.....	Analog#05 5 psi/p-10. ft.....	Analog#06 5 psi/p-9.. ft.....	
1991/07/22	13:37:48.30	3.9241E+00	1.0079E+01	1.0923E+01	9.8781E+00	9.0473E+00	5.4978E+00	
1991/07/22	13:42:48.30	3.7812E+00	1.0074E+01	1.0921E+01	9.8745E+00	9.0480E+00	5.5014E+00	
1991/07/22	13:47:48.30	3.6700E+00	1.0085E+01	1.0922E+01	9.8709E+00	9.0458E+00	5.4985E+00	
1991/07/22	13:52:48.30	3.5776E+00	1.0077E+01	1.0918E+01	9.8695E+00	9.0458E+00	5.4992E+00	
1991/07/22	13:57:48.30	3.4794E+00	1.0069E+01	1.0911E+01	9.8594E+00	9.0393E+00	5.4927E+00	
1991/07/22	14:02:48.30	3.3524E+00	1.0065E+01	1.0908E+01	9.8529E+00	9.0415E+00	5.4949E+00	
1991/07/22	14:07:48.30	3.2210E+00	1.0077E+01	1.0921E+01	9.8608E+00	9.0415E+00	5.4949E+00	
1991/07/22	14:12:48.30	3.1012E+00	1.0069E+01	1.0913E+01	9.8500E+00	9.0436E+00	5.4978E+00	
1991/07/22	14:17:48.30	2.9770E+00	1.0074E+01	1.0917E+01	9.8543E+00	9.0436E+00	5.4942E+00	
1991/07/22	14:22:48.30	2.8774E+00	1.0072E+01	1.0915E+01	9.8521E+00	9.0415E+00	5.4920E+00	
1991/07/22	14:27:48.30	2.7604E+00	1.0070E+01	1.0915E+01	9.8478E+00	9.0436E+00	5.4971E+00	
1991/07/22	14:32:48.40	2.6262E+00	1.0062E+01	1.0906E+01	9.8355E+00	9.0328E+00	5.4862E+00	
1991/07/22	14:47:48.30	2.2508E+00	1.0067E+01	1.0910E+01	9.8363E+00	9.0400E+00	5.4927E+00	
1991/07/22	15:02:48.30	1.8668E+00	1.0060E+01	1.0901E+01	9.8233E+00	9.0278E+00	5.4812E+00	
1991/07/22	15:17:48.30	1.4871E+00	1.0067E+01	1.0910E+01	9.8298E+00	9.0357E+00	5.4884E+00	
1991/07/22	15:32:48.30	1.1449E+00	1.0062E+01	1.0900E+01	9.8226E+00	9.0299E+00	5.4826E+00	
1991/07/22	15:47:48.30	8.3016E-01	1.0067E+01	1.0908E+01	9.8262E+00	9.0393E+00	5.4920E+00	
1991/07/22	16:02:48.40	5.3563E-01	1.0061E+01	1.0902E+01	9.8247E+00	9.0314E+00	5.4862E+00	
1991/07/22	16:17:48.40	2.9019E-01	1.0061E+01	1.0903E+01	9.8189E+00	9.0321E+00	5.4841E+00	
1991/07/22	16:32:48.40	1.0106E-02	1.0062E+01	1.0907E+01	9.8189E+00	9.0307E+00	5.4834E+00	
1991/07/22	16:47:48.40	2.3100E-02	1.0061E+01	1.0896E+01	9.8139E+00	9.0292E+00	5.4848E+00	
1991/07/22	17:02:48.40	2.8875E-02	1.0063E+01	1.0906E+01	9.8153E+00	9.0292E+00	5.4812E+00	
1991/07/22	17:17:48.40	3.6094E-02	1.0065E+01	1.0908E+01	9.8197E+00	9.0357E+00	5.4899E+00	
1991/07/22	17:32:48.40	3.8981E-02	1.0064E+01	1.0902E+01	9.8168E+00	9.0321E+00	5.4862E+00	
1991/07/22	17:47:48.40	4.3312E-02	1.0064E+01	1.0902E+01	9.8153E+00	9.0314E+00	5.4884E+00	
1991/07/22	18:02:48.40	4.7644E-02	1.0064E+01	1.0904E+01	9.8139E+00	9.0256E+00	5.4834E+00	
1991/07/22	18:17:48.40	5.0531E-02	1.0065E+01	1.0900E+01	9.8139E+00	9.0234E+00	5.4798E+00	
1991/07/22	18:32:48.40	5.0531E-02	1.0060E+01	1.0892E+01	9.8081E+00	9.0191E+00	5.4761E+00	
1991/07/22	18:37:49.80	4.9087E-02	1.0056E+01	1.0889E+01	9.8052E+00	9.0155E+00	5.4740E+00	
1991/07/22	18:37:52.00	4.9087E-02	1.0057E+01	1.0889E+01	9.8059E+00	9.0162E+00	5.4740E+00	stop pump
1991/07/22	18:37:52.80	4.9087E-02	1.0056E+01	1.0889E+01	9.8059E+00	9.0162E+00	5.4733E+00	
1991/07/22	18:37:53.60	4.9087E-02	1.0056E+01	1.0889E+01	9.8052E+00	9.0162E+00	5.4733E+00	
1991/07/22	18:37:54.30	4.9087E-02	1.0056E+01	1.0889E+01	9.8045E+00	9.0162E+00	5.4740E+00	
1991/07/22	18:37:56.50	4.9087E-02	1.0055E+01	1.0888E+01	9.8045E+00	9.0162E+00	5.4754E+00	
1991/07/22	18:37:57.30	4.7644E-02	1.0055E+01	1.0887E+01	9.8045E+00	9.0169E+00	5.4747E+00	
1991/07/22	18:37:58.10	4.9087E-02	1.0056E+01	1.0887E+01	9.8045E+00	9.0177E+00	5.4747E+00	
1991/07/22	18:37:58.90	4.9087E-02	1.0054E+01	1.0888E+01	9.8038E+00	9.0177E+00	5.4747E+00	
1991/07/22	18:38:00.60	4.7644E-02	1.0056E+01	1.0887E+01	9.8038E+00	9.0177E+00	5.4754E+00	
1991/07/22	18:38:01.40	4.9087E-02	1.0056E+01	1.0887E+01	9.8031E+00	9.0191E+00	5.4754E+00	
1991/07/22	18:38:02.10	4.9087E-02	1.0055E+01	1.0887E+01	9.8031E+00	9.0177E+00	5.4754E+00	
1991/07/22	18:38:02.90	4.7644E-02	1.0054E+01	1.0886E+01	9.8031E+00	9.0184E+00	5.4754E+00	
1991/07/22	18:38:04.70	4.9087E-02	1.0054E+01	1.0887E+01	9.8023E+00	9.0184E+00	5.4776E+00	
1991/07/22	18:38:05.40	4.7644E-02	1.0055E+01	1.0887E+01	9.8023E+00	9.0191E+00	5.4769E+00	
1991/07/22	18:38:06.20	4.7644E-02	1.0054E+01	1.0886E+01	9.8023E+00	9.0191E+00	5.4776E+00	
1991/07/22	18:38:07.00	4.7644E-02	1.0054E+01	1.0886E+01	9.8023E+00	9.0184E+00	5.4776E+00	
1991/07/22	18:38:08.70	4.7644E-02	1.0054E+01	1.0886E+01	9.8031E+00	9.0198E+00	5.4776E+00	
1991/07/22	18:38:09.50	4.7644E-02	1.0053E+01	1.0887E+01	9.8023E+00	9.0198E+00	5.4776E+00	
1991/07/22	18:38:10.30	4.7644E-02	1.0054E+01	1.0885E+01	9.8023E+00	9.0198E+00	5.4783E+00	
1991/07/22	18:38:11.10	4.7644E-02	1.0052E+01	1.0886E+01	9.8023E+00	9.0198E+00	5.4776E+00	
1991/07/22	18:38:12.80	4.9087E-02	1.0053E+01	1.0885E+01	9.8016E+00	9.0198E+00	5.4783E+00	
1991/07/22	18:38:13.60	4.7644E-02	1.0054E+01	1.0886E+01	9.8016E+00	9.0205E+00	5.4783E+00	
1991/07/22	18:38:14.40	4.7644E-02	1.0054E+01	1.0886E+01	9.8016E+00	9.0198E+00	5.4790E+00	
1991/07/22	18:38:15.20	4.7644E-02	1.0052E+01	1.0885E+01	9.8016E+00	9.0213E+00	5.4790E+00	
1991/07/22	18:38:16.90	4.9087E-02	1.0052E+01	1.0887E+01	9.8023E+00	9.0205E+00	5.4790E+00	

e	Time	Analog#01 10 psi/W56- ft.....	Analog#02 5 psi/p-7.. ft.....	Analog#03 5 psi/p-8.. ft.....	Analog#04 5 psi/p-6.. ft.....	Analog#05 5 psi/p-10. ft.....	Analog#06 5 psi/p-9.. ft.....
991/07/22	18:38:17.70	4.9087E-02	1.0054E+01	1.0886E+01	9.8023E+00	9.0205E+00	5.4790E+00
1991/07/22	18:38:18.50	4.9087E-02	1.0054E+01	1.0886E+01	9.8023E+00	9.0205E+00	5.4783E+00
991/07/22	18:38:19.20	4.7644E-02	1.0053E+01	1.0885E+01	9.8023E+00	9.0213E+00	5.4790E+00
991/07/22	18:38:21.00	4.7644E-02	1.0054E+01	1.0887E+01	9.8016E+00	9.0205E+00	5.4783E+00
1991/07/22	18:38:21.80	4.9087E-02	1.0054E+01	1.0886E+01	9.8016E+00	9.0205E+00	5.4783E+00
1991/07/22	18:38:22.60	4.7644E-02	1.0052E+01	1.0885E+01	9.8009E+00	9.0213E+00	5.4783E+00
991/07/22	18:38:24.40	4.9087E-02	1.0054E+01	1.0886E+01	9.8016E+00	9.0205E+00	5.4783E+00
991/07/22	18:38:26.40	4.9087E-02	1.0054E+01	1.0886E+01	9.8016E+00	9.0205E+00	5.4790E+00
1991/07/22	18:38:28.30	4.7644E-02	1.0052E+01	1.0886E+01	9.8002E+00	9.0205E+00	5.4776E+00
991/07/22	18:38:30.40	4.9087E-02	1.0053E+01	1.0886E+01	9.8016E+00	9.0205E+00	5.4783E+00
991/07/22	18:38:32.40	4.9087E-02	1.0053E+01	1.0885E+01	9.8016E+00	9.0205E+00	5.4769E+00
1991/07/22	18:38:34.40	4.9087E-02	1.0054E+01	1.0885E+01	9.8016E+00	9.0213E+00	5.4769E+00
991/07/22	18:38:36.40	5.0531E-02	1.0054E+01	1.0887E+01	9.8023E+00	9.0213E+00	5.4769E+00
991/07/22	18:38:38.40	4.9087E-02	1.0054E+01	1.0886E+01	9.8016E+00	9.0198E+00	5.4754E+00
1991/07/22	18:38:40.30	4.7644E-02	1.0052E+01	1.0885E+01	9.8009E+00	9.0184E+00	5.4754E+00
1991/07/22	18:38:42.40	4.9087E-02	1.0053E+01	1.0886E+01	9.8002E+00	9.0191E+00	5.4747E+00
991/07/22	18:38:44.40	4.7644E-02	1.0052E+01	1.0886E+01	9.7995E+00	9.0191E+00	5.4754E+00
991/07/22	18:38:46.40	4.7644E-02	1.0053E+01	1.0884E+01	9.8009E+00	9.0184E+00	5.4747E+00
1991/07/22	18:38:48.40	4.7644E-02	1.0053E+01	1.0884E+01	9.8016E+00	9.0184E+00	5.4747E+00
991/07/22	18:38:50.40	4.7644E-02	1.0054E+01	1.0885E+01	9.8016E+00	9.0191E+00	5.4747E+00
991/07/22	18:38:56.60	4.7644E-02	1.0053E+01	1.0886E+01	9.8016E+00	9.0205E+00	5.4769E+00
1991/07/22	18:39:03.70	4.9087E-02	1.0054E+01	1.0886E+01	9.8016E+00	9.0213E+00	5.4783E+00
1991/07/22	18:39:09.80	4.9087E-02	1.0054E+01	1.0887E+01	9.8023E+00	9.0227E+00	5.4790E+00
7/22	18:39:16.00	4.9087E-02	1.0056E+01	1.0888E+01	9.8031E+00	9.0220E+00	5.4776E+00
1991/07/22	18:39:22.10	4.9087E-02	1.0056E+01	1.0889E+01	9.8038E+00	9.0213E+00	5.4776E+00
1991/07/22	18:39:29.20	4.9087E-02	1.0056E+01	1.0887E+01	9.8045E+00	9.0220E+00	5.4769E+00
991/07/22	18:39:35.30	4.9087E-02	1.0056E+01	1.0887E+01	9.8031E+00	9.0191E+00	5.4740E+00
991/07/22	18:39:41.40	4.6200E-02	1.0056E+01	1.0887E+01	9.8031E+00	9.0198E+00	5.4761E+00
1991/07/22	18:39:47.50	1.2561E-01	1.0055E+01	1.0887E+01	9.8031E+00	9.0213E+00	5.4783E+00
991/07/22	18:39:53.60	1.9924E-01	1.0056E+01	1.0888E+01	9.8038E+00	9.0213E+00	5.4783E+00
991/07/22	18:39:59.80	2.6854E-01	1.0056E+01	1.0887E+01	9.8038E+00	9.0220E+00	5.4783E+00
1991/07/22	18:40:05.90	3.2773E-01	1.0056E+01	1.0888E+01	9.8052E+00	9.0205E+00	5.4776E+00
1991/07/22	18:40:12.90	3.8981E-01	1.0057E+01	1.0889E+01	9.8059E+00	9.0198E+00	5.4740E+00
991/07/22	18:40:19.00	4.3890E-01	1.0056E+01	1.0888E+01	9.8045E+00	9.0184E+00	5.4740E+00
991/07/22	18:40:25.20	4.9376E-01	1.0056E+01	1.0889E+01	9.8052E+00	9.0177E+00	5.4725E+00
1991/07/22	18:40:31.30	5.4718E-01	1.0056E+01	1.0889E+01	9.8045E+00	9.0169E+00	5.4740E+00
991/07/22	18:40:38.40	6.0926E-01	1.0056E+01	1.0887E+01	9.8045E+00	9.0184E+00	5.4747E+00
991/07/22	18:40:44.50	6.6268E-01	1.0057E+01	1.0887E+01	9.8045E+00	9.0184E+00	5.4754E+00
1991/07/22	18:40:50.60	7.1610E-01	1.0056E+01	1.0889E+01	9.8045E+00	9.0198E+00	5.4761E+00
991/07/22	18:40:56.70	7.6807E-01	1.0056E+01	1.0888E+01	9.8038E+00	9.0213E+00	5.4783E+00
991/07/22	18:41:02.90	8.2005E-01	1.0057E+01	1.0890E+01	9.8067E+00	9.0220E+00	5.4790E+00
1991/07/22	18:41:08.90	8.6769E-01	1.0058E+01	1.0891E+01	9.8052E+00	9.0198E+00	5.4769E+00
1991/07/22	18:41:16.00	9.2689E-01	1.0059E+01	1.0892E+01	9.8052E+00	9.0191E+00	5.4761E+00
991/07/22	18:41:22.10	9.7309E-01	1.0058E+01	1.0891E+01	9.8045E+00	9.0198E+00	5.4761E+00
991/07/22	18:41:28.30	1.0193E+00	1.0057E+01	1.0892E+01	9.8045E+00	9.0191E+00	5.4754E+00
1991/07/22	18:41:34.40	1.0669E+00	1.0058E+01	1.0892E+01	9.8045E+00	9.0213E+00	5.4783E+00
991/07/22	18:41:41.50	1.1189E+00	1.0059E+01	1.0892E+01	9.8052E+00	9.0227E+00	5.4783E+00
991/07/22	18:41:47.60	1.1637E+00	1.0057E+01	1.0892E+01	9.8059E+00	9.0227E+00	5.4783E+00
1991/07/22	18:41:53.80	1.2113E+00	1.0059E+01	1.0893E+01	9.8067E+00	9.0220E+00	5.4769E+00
07/22	18:41:59.90	1.2532E+00	1.0058E+01	1.0893E+01	9.8052E+00	9.0205E+00	5.4769E+00
991/07/22	18:42:07.00	1.3095E+00	1.0059E+01	1.0892E+01	9.8059E+00	9.0205E+00	5.4769E+00
1991/07/22	18:42:13.10	1.3528E+00	1.0059E+01	1.0893E+01	9.8059E+00	9.0184E+00	5.4754E+00
1991/07/22	18:42:19.30	1.3990E+00	1.0056E+01	1.0890E+01	9.8059E+00	9.0198E+00	5.4769E+00
991/07/22	18:42:25.40	1.4452E+00	1.0056E+01	1.0892E+01	9.8045E+00	9.0184E+00	5.4761E+00

Date	Time	Analog#01 10 psi/W56- ft.....	Analog#02 5 psi/p-7.. ft.....	Analog#03 5 psi/p-8.. ft.....	Analog#04 5 psi/p-6.. ft.....	Analog#05 5 psi/p-10. ft.....	Analog#06 5 psi/p-9.. ft.....
1991/07/22	18:42:32.40	1.5044E+00	1.0057E+01	1.0892E+01	9.8052E+00	9.0198E+00	5.4783E+00
1991/07/22	18:42:38.60	1.5549E+00	1.0057E+01	1.0893E+01	9.8052E+00	9.0220E+00	5.4790E+00
1991/07/22	18:42:44.70	1.6083E+00	1.0056E+01	1.0892E+01	9.8045E+00	9.0205E+00	5.4776E+00
1991/07/22	18:42:50.80	1.6618E+00	1.0058E+01	1.0893E+01	9.8045E+00	9.0184E+00	5.4747E+00
1991/07/22	18:42:56.90	1.7108E+00	1.0056E+01	1.0891E+01	9.8031E+00	9.0184E+00	5.4747E+00
1991/07/22	18:43:03.00	1.7570E+00	1.0056E+01	1.0892E+01	9.8045E+00	9.0191E+00	5.4754E+00
1991/07/22	18:43:10.10	1.8061E+00	1.0058E+01	1.0892E+01	9.8052E+00	9.0184E+00	5.4740E+00
1991/07/22	18:43:16.20	1.8480E+00	1.0056E+01	1.0890E+01	9.8038E+00	9.0169E+00	5.4733E+00
1991/07/22	18:43:22.40	1.8899E+00	1.0056E+01	1.0890E+01	9.8052E+00	9.0177E+00	5.4740E+00
1991/07/22	18:43:28.50	1.9317E+00	1.0057E+01	1.0890E+01	9.8038E+00	9.0155E+00	5.4725E+00
1991/07/22	18:43:34.60	1.9707E+00	1.0056E+01	1.0891E+01	9.8038E+00	9.0169E+00	5.4733E+00
1991/07/22	18:43:41.70	2.0169E+00	1.0058E+01	1.0892E+01	9.8045E+00	9.0184E+00	5.4754E+00
1991/07/22	18:43:47.80	2.0573E+00	1.0058E+01	1.0893E+01	9.8059E+00	9.0184E+00	5.4747E+00
1991/07/22	18:43:54.00	2.0978E+00	1.0058E+01	1.0892E+01	9.8031E+00	9.0177E+00	5.4740E+00
1991/07/22	18:44:00.10	2.1353E+00	1.0057E+01	1.0892E+01	9.8045E+00	9.0191E+00	5.4733E+00
1991/07/22	18:44:07.20	2.1801E+00	1.0057E+01	1.0892E+01	9.8045E+00	9.0177E+00	5.4740E+00
1991/07/22	18:44:20.40	2.2667E+00	1.0058E+01	1.0893E+01	9.8059E+00	9.0162E+00	5.4733E+00
1991/07/22	18:44:50.40	2.4616E+00	1.0058E+01	1.0894E+01	9.8059E+00	9.0155E+00	5.4718E+00
1991/07/22	18:45:20.40	2.6594E+00	1.0060E+01	1.0892E+01	9.8074E+00	9.0191E+00	5.4761E+00
1991/07/22	18:45:50.40	2.8543E+00	1.0059E+01	1.0892E+01	9.8088E+00	9.0191E+00	5.4769E+00
1991/07/22	18:46:20.40	3.0449E+00	1.0059E+01	1.0893E+01	9.8088E+00	9.0184E+00	5.4740E+00
1991/07/22	18:46:50.40	3.2326E+00	1.0059E+01	1.0894E+01	9.8088E+00	9.0205E+00	5.4754E+00
1991/07/22	18:47:20.40	3.4116E+00	1.0060E+01	1.0897E+01	9.8096E+00	9.0198E+00	5.4761E+00
1991/07/22	18:47:50.40	3.5920E+00	1.0060E+01	1.0897E+01	9.8096E+00	9.0213E+00	5.4783E+00
1991/07/22	18:48:20.40	3.7725E+00	1.0061E+01	1.0899E+01	9.8081E+00	9.0191E+00	5.4747E+00
1991/07/22	18:48:50.40	3.9573E+00	1.0059E+01	1.0897E+01	9.8074E+00	9.0169E+00	5.4747E+00
1991/07/22	18:49:20.40	4.1479E+00	1.0057E+01	1.0894E+01	9.8052E+00	9.0162E+00	5.4740E+00
1991/07/22	18:49:50.40	4.3558E+00	1.0056E+01	1.0889E+01	9.8052E+00	9.0141E+00	5.4725E+00
1991/07/22	18:50:20.40	4.5651E+00	1.0054E+01	1.0887E+01	9.8031E+00	9.0126E+00	5.4711E+00
1991/07/22	18:50:50.40	4.7615E+00	1.0052E+01	1.0887E+01	9.8016E+00	9.0133E+00	5.4718E+00
1991/07/22	18:51:20.40	4.9564E+00	1.0051E+01	1.0883E+01	9.8009E+00	9.0112E+00	5.4704E+00
1991/07/22	18:51:50.40	5.1513E+00	1.0052E+01	1.0886E+01	9.8031E+00	9.0191E+00	5.4769E+00
1991/07/22	18:52:20.40	5.3390E+00	1.0052E+01	1.0888E+01	9.8052E+00	9.0205E+00	5.4761E+00
1991/07/22	18:52:50.40	5.5195E+00	1.0053E+01	1.0889E+01	9.8052E+00	9.0169E+00	5.4740E+00
1991/07/22	18:53:20.40	5.7028E+00	1.0054E+01	1.0888E+01	9.8067E+00	9.0141E+00	5.4733E+00
1991/07/22	18:53:50.40	5.8919E+00	1.0054E+01	1.0891E+01	9.8081E+00	9.0198E+00	5.4761E+00
1991/07/22	18:54:20.40	6.0739E+00	1.0054E+01	1.0890E+01	9.8074E+00	9.0155E+00	5.4725E+00
1991/07/22	18:54:50.40	6.2514E+00	1.0053E+01	1.0889E+01	9.8059E+00	9.0169E+00	5.4740E+00
1991/07/22	18:55:20.40	6.4276E+00	1.0053E+01	1.0888E+01	9.8067E+00	9.0155E+00	5.4740E+00
1991/07/22	18:55:50.40	6.6008E+00	1.0052E+01	1.0888E+01	9.8059E+00	9.0119E+00	5.4696E+00
1991/07/22	18:56:20.40	6.7596E+00	1.0051E+01	1.0887E+01	9.8052E+00	9.0141E+00	5.4718E+00
1991/07/22	18:56:50.40	6.9156E+00	1.0051E+01	1.0887E+01	9.8052E+00	9.0155E+00	5.4725E+00
1991/07/22	18:57:20.40	7.0830E+00	1.0051E+01	1.0885E+01	9.8045E+00	9.0133E+00	5.4711E+00
1991/07/22	18:57:50.40	7.2548E+00	1.0049E+01	1.0884E+01	9.8045E+00	9.0141E+00	5.4725E+00
1991/07/22	18:58:50.40	7.5869E+00	1.0051E+01	1.0885E+01	9.8074E+00	9.0177E+00	5.4740E+00
1991/07/22	18:59:50.40	7.8800E+00	1.0052E+01	1.0887E+01	9.8096E+00	9.0148E+00	5.4725E+00
1991/07/22	19:00:50.40	8.1485E+00	1.0054E+01	1.0889E+01	9.8124E+00	9.0191E+00	5.4761E+00
1991/07/22	19:01:50.40	8.3968E+00	1.0053E+01	1.0889E+01	9.8117E+00	9.0169E+00	5.4747E+00
1991/07/22	19:02:50.40	8.6235E+00	1.0052E+01	1.0887E+01	9.8110E+00	9.0133E+00	5.4718E+00
1991/07/22	19:03:50.40	8.8199E+00	1.0052E+01	1.0887E+01	9.8124E+00	9.0126E+00	5.4704E+00
1991/07/22	19:04:50.40	9.0032E+00	1.0052E+01	1.0887E+01	9.8132E+00	9.0148E+00	5.4725E+00
1991/07/22	19:05:50.40	9.1750E+00	1.0051E+01	1.0884E+01	9.8124E+00	9.0119E+00	5.4689E+00
1991/07/22	19:06:50.40	9.3411E+00	1.0051E+01	1.0884E+01	9.8132E+00	9.0133E+00	5.4711E+00
1991/07/22	19:07:50.40	9.5085E+00	1.0051E+01	1.0884E+01	9.8146E+00	9.0097E+00	5.4682E+00

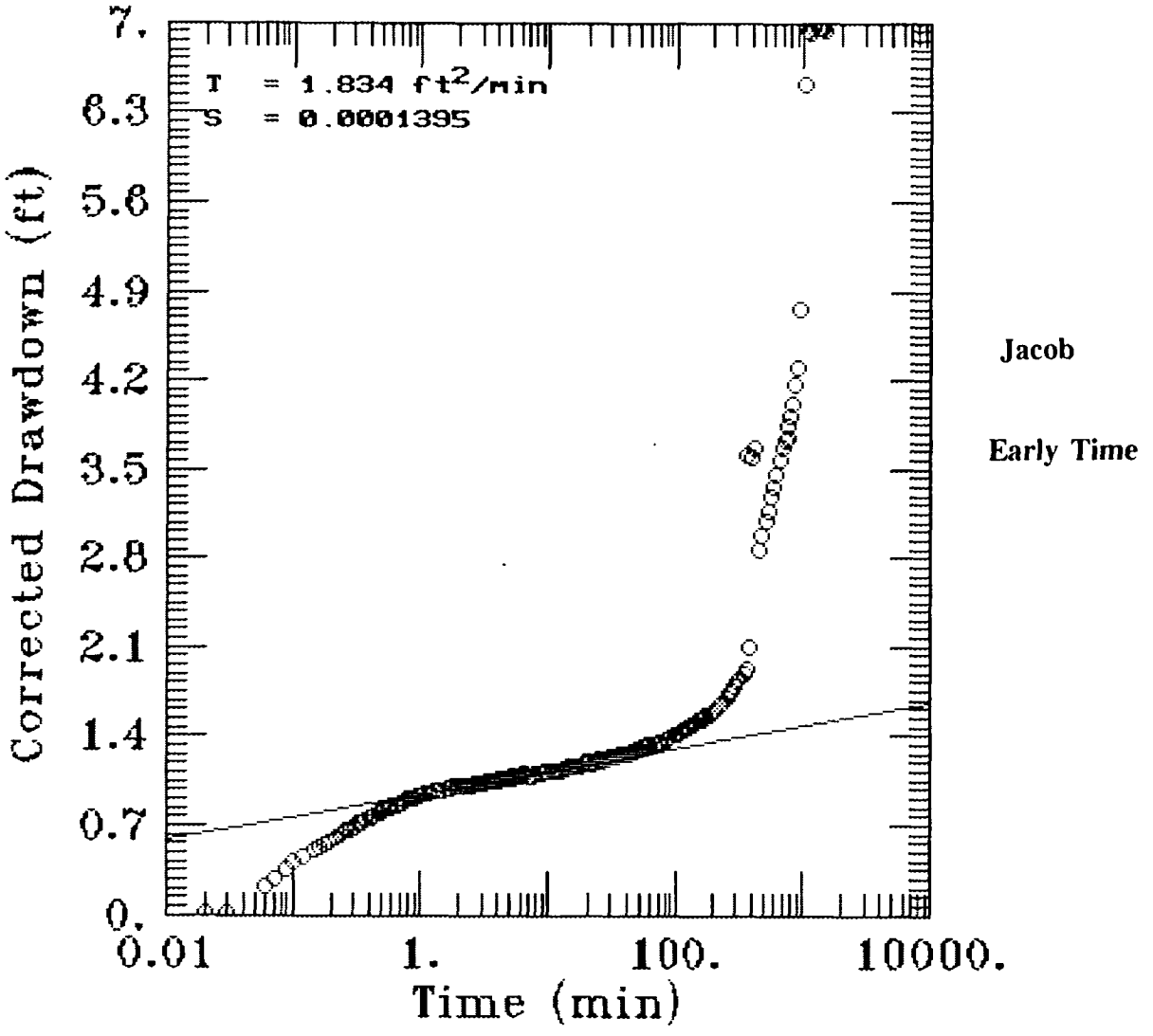
te	Time	Analog#01 10 psi/W56- ft.....	Analog#02 5 psi/p-7.. ft.....	Analog#03 5 psi/p-8.. ft.....	Analog#04 5 psi/p-6.. ft.....	Analog#05 5 psi/p-10. ft.....	Analog#06 5 psi/p-9.. ft.....
1991/07/22	19:09:50.40	9.8247E+00	1.0050E+01	1.0885E+01	9.8168E+00	9.0133E+00	5.4689E+00
1991/07/22	19:11:50.40	1.0119E+01	1.0048E+01	1.0880E+01	9.8168E+00	9.0083E+00	5.4660E+00
1991/07/22	19:13:50.40	1.0370E+01	1.0051E+01	1.0885E+01	9.8211E+00	9.0126E+00	5.4696E+00
1991/07/22	19:15:50.40	1.0603E+01	1.0048E+01	1.0882E+01	9.8218E+00	9.0097E+00	5.4675E+00
1991/07/22	19:17:50.40	1.0819E+01	1.0050E+01	1.0883E+01	9.8240E+00	9.0119E+00	5.4696E+00
1991/07/22	19:19:50.40	1.1026E+01	1.0053E+01	1.0884E+01	9.8298E+00	9.0148E+00	5.4704E+00
1991/07/22	19:21:50.40	1.1208E+01	1.0049E+01	1.0881E+01	9.8283E+00	9.0083E+00	5.4660E+00
1991/07/22	19:23:50.40	1.1447E+01	1.0047E+01	1.0879E+01	9.8269E+00	9.0090E+00	5.4675E+00
1991/07/22	19:25:50.40	1.1704E+01	1.0046E+01	1.0879E+01	9.8312E+00	9.0112E+00	5.4682E+00
1991/07/22	19:27:50.40	1.1915E+01	1.0048E+01	1.0879E+01	9.8312E+00	9.0097E+00	5.4668E+00
1991/07/22	19:29:50.40	1.2077E+01	1.0051E+01	1.0884E+01	9.8370E+00	9.0126E+00	5.4689E+00
1991/07/22	19:31:50.40	1.2204E+01	1.0050E+01	1.0884E+01	9.8377E+00	9.0097E+00	5.4668E+00
1991/07/22	19:33:50.40	1.2305E+01	1.0051E+01	1.0882E+01	9.8420E+00	9.0112E+00	5.4675E+00
1991/07/22	19:35:50.40	1.2376E+01	1.0048E+01	1.0880E+01	9.8413E+00	9.0097E+00	5.4668E+00
1991/07/22	19:37:50.40	1.2421E+01	1.0051E+01	1.0884E+01	9.8464E+00	9.0112E+00	5.4668E+00
1991/07/22	19:42:50.40	1.2493E+01	1.0051E+01	1.0882E+01	9.8500E+00	9.0076E+00	5.4646E+00
1991/07/22	19:47:50.40	1.2545E+01	1.0052E+01	1.0884E+01	9.8536E+00	9.0076E+00	5.4646E+00
1991/07/22	19:52:50.40	1.2592E+01	1.0050E+01	1.0881E+01	9.8565E+00	9.0068E+00	5.4631E+00
1991/07/22	19:57:50.40	1.2640E+01	1.0050E+01	1.0881E+01	9.8615E+00	9.0054E+00	5.4610E+00
1991/07/22	20:02:50.40	1.2682E+01	1.0051E+01	1.0882E+01	9.8651E+00	9.0076E+00	5.4646E+00
1991/07/22	20:07:50.40	1.2725E+01	1.0051E+01	1.0883E+01	9.8688E+00	9.0054E+00	5.4624E+00
1991/07/22	20:12:50.40	1.2769E+01	1.0052E+01	1.0884E+01	9.8716E+00	9.0068E+00	5.4639E+00
1991/07/22	20:17:50.40	1.2805E+01	1.0054E+01	1.0886E+01	9.8745E+00	9.0061E+00	5.4624E+00
1991/07/22	20:22:50.40	1.2845E+01	1.0055E+01	1.0889E+01	9.8781E+00	9.0068E+00	5.4631E+00
1991/07/22	20:27:50.40	1.2883E+01	1.0055E+01	1.0888E+01	9.8803E+00	9.0061E+00	5.4631E+00
1991/07/22	20:32:50.40	1.2920E+01	1.0056E+01	1.0892E+01	9.8846E+00	9.0076E+00	5.4624E+00
1991/07/22	20:37:50.40	1.2958E+01	1.0056E+01	1.0889E+01	9.8854E+00	9.0054E+00	5.4617E+00
1991/07/22	20:42:50.40	1.2991E+01	1.0056E+01	1.0891E+01	9.8882E+00	9.0054E+00	5.4617E+00
1991/07/22	20:47:50.40	1.3026E+01	1.0056E+01	1.0893E+01	9.8911E+00	9.0068E+00	5.4631E+00
1991/07/22	20:52:50.40	1.3057E+01	1.0057E+01	1.0894E+01	9.8947E+00	9.0083E+00	5.4639E+00
1991/07/22	20:57:50.40	1.3088E+01	1.0059E+01	1.0897E+01	9.8976E+00	9.0083E+00	5.4646E+00
1991/07/22	21:02:50.40	1.3115E+01	1.0060E+01	1.0897E+01	9.8991E+00	9.0061E+00	5.4631E+00
1991/07/22	21:07:50.40	1.3144E+01	1.0058E+01	1.0896E+01	9.8991E+00	9.0068E+00	5.4631E+00
1991/07/22	21:12:50.40	1.3170E+01	1.0059E+01	1.0897E+01	9.9012E+00	9.0083E+00	5.4639E+00
1991/07/22	21:17:50.40	1.3197E+01	1.0062E+01	1.0902E+01	9.9063E+00	9.0083E+00	5.4639E+00
1991/07/22	21:22:50.40	1.3222E+01	1.0062E+01	1.0902E+01	9.9070E+00	9.0076E+00	5.4631E+00
1991/07/22	21:27:50.40	1.3248E+01	1.0061E+01	1.0903E+01	9.9092E+00	9.0083E+00	5.4631E+00
1991/07/22	21:32:50.40	1.3270E+01	1.0062E+01	1.0903E+01	9.9099E+00	9.0076E+00	5.4624E+00
1991/07/22	21:37:50.40	1.3291E+01	1.0063E+01	1.0905E+01	9.9128E+00	9.0076E+00	5.4617E+00
1991/07/22	21:52:50.40	1.3350E+01	1.0065E+01	1.0909E+01	9.9178E+00	9.0104E+00	5.4653E+00
1991/07/22	22:07:50.40	1.3402E+01	1.0070E+01	1.0913E+01	9.9258E+00	9.0141E+00	5.4668E+00
1991/07/22	22:22:50.40	1.3446E+01	1.0072E+01	1.0916E+01	9.9301E+00	9.0162E+00	5.4682E+00
1991/07/22	22:37:50.40	1.3488E+01	1.0077E+01	1.0922E+01	9.9359E+00	9.0162E+00	5.4689E+00
1991/07/22	22:52:50.40	1.3522E+01	1.0077E+01	1.0927E+01	9.9424E+00	9.0191E+00	5.4718E+00
1991/07/22	23:07:50.40	1.3552E+01	1.0082E+01	1.0931E+01	9.9482E+00	9.0220E+00	5.4747E+00
1991/07/22	23:22:50.40	1.3580E+01	1.0084E+01	1.0934E+01	9.9539E+00	9.0198E+00	5.4711E+00
1991/07/22	23:37:50.40	1.3602E+01	1.0081E+01	1.0931E+01	9.9561E+00	9.0184E+00	5.4696E+00
1991/07/22	23:52:50.40	1.3620E+01	1.0075E+01	1.0926E+01	9.9561E+00	9.0155E+00	5.4668E+00
1991/07/23	00:07:50.40	1.3639E+01	1.0078E+01	1.0928E+01	9.9597E+00	9.0169E+00	5.4682E+00
1991/07/23	00:22:50.40	1.3652E+01	1.0076E+01	1.0926E+01	9.9597E+00	9.0155E+00	5.4675E+00
1991/07/23	00:37:50.40	1.3667E+01	1.0081E+01	1.0930E+01	9.9648E+00	9.0205E+00	5.4711E+00
1991/07/23	00:52:50.40	1.3678E+01	1.0083E+01	1.0932E+01	9.9684E+00	9.0198E+00	5.4711E+00
1991/07/23	01:07:50.40	1.3688E+01	1.0085E+01	1.0934E+01	9.9720E+00	9.0198E+00	5.4718E+00
1991/07/23	01:22:50.40	1.3698E+01	1.0085E+01	1.0935E+01	9.9749E+00	9.0198E+00	5.4718E+00

te	Time	Analog#01 10 psi/W56- ft.....	Analog#02 5 psi/p-7.. ft.....	Analog#03 5 psi/p-8.. ft.....	Analog#04 5 psi/p-6.. ft.....	Analog#05 5 psi/p-10. ft.....	Analog#06 5 psi/p-9.. ft.....
1991/07/23	01:37:50.40	1.3706E+01	1.0082E+01	1.0932E+01	9.9763E+00	9.0191E+00	5.4704E+00
1991/07/23	02:07:50.40	1.3721E+01	1.0086E+01	1.0935E+01	9.9806E+00	9.0220E+00	5.4733E+00
1991/07/23	02:37:50.40	1.3736E+01	1.0088E+01	1.0938E+01	9.9864E+00	9.0205E+00	5.4718E+00
1991/07/23	03:07:50.40	1.3746E+01	1.0090E+01	1.0937E+01	9.9886E+00	9.0227E+00	5.4740E+00
1991/07/23	03:37:50.40	1.3753E+01	1.0092E+01	1.0941E+01	9.9922E+00	9.0256E+00	5.4761E+00
1991/07/23	04:07:50.40	1.3762E+01	1.0096E+01	1.0947E+01	9.9980E+00	9.0299E+00	5.4805E+00
1991/07/23	04:37:50.40	1.3769E+01	1.0097E+01	1.0946E+01	1.0002E+01	9.0292E+00	5.4790E+00
1991/07/23	05:07:50.40	1.3775E+01	1.0100E+01	1.0947E+01	1.0005E+01	9.0328E+00	5.4834E+00
1991/07/23	05:37:50.40	1.3779E+01	1.0100E+01	1.0949E+01	1.0008E+01	9.0328E+00	5.4826E+00
1991/07/23	06:07:50.40	1.3783E+01	1.0100E+01	1.0949E+01	1.0010E+01	9.0335E+00	5.4819E+00
1991/07/23	06:37:50.40	1.3785E+01	1.0099E+01	1.0947E+01	1.0010E+01	9.0314E+00	5.4812E+00
1991/07/23	07:07:50.40	1.3786E+01	1.0095E+01	1.0941E+01	1.0011E+01	9.0299E+00	5.4798E+00
1991/07/23	07:37:50.40	1.3786E+01	1.0094E+01	1.0939E+01	1.0012E+01	9.0292E+00	5.4776E+00
1991/07/23	08:07:50.40	1.3785E+01	1.0088E+01	1.0931E+01	1.0008E+01	9.0234E+00	5.4725E+00
1991/07/23	08:38:39.10	1.3781E+01	1.0087E+01	1.0928E+01	1.0006E+01	9.0220E+00	5.4711E+00
1991/07/23	09:07:50.60	1.3783E+01	1.0088E+01	1.0929E+01	1.0007E+01	9.0256E+00	5.4747E+00
1991/07/23	09:37:50.40	1.3785E+01	1.0093E+01	1.0936E+01	1.0010E+01	9.0292E+00	5.4769E+00
1991/07/23	10:37:50.40	1.3783E+01	1.0092E+01	1.0941E+01	1.0011E+01	9.0314E+00	5.4790E+00
1991/07/23	11:37:50.40	1.3768E+01	1.0082E+01	1.0931E+01	1.0004E+01	9.0292E+00	5.4733E+00
1991/07/23	12:37:50.40	1.3765E+01	1.0085E+01	1.0930E+01	1.0004E+01	9.0364E+00	5.4826E+00
1991/07/23	13:37:50.40	1.3778E+01	1.0096E+01	1.0944E+01	1.0013E+01	9.0422E+00	5.4884E+00
1991/07/23	14:37:50.40	1.3789E+01	1.0108E+01	1.0962E+01	1.0026E+01	9.0523E+00	5.4978E+00
1991/07/23	15:37:50.40	1.3802E+01	1.0111E+01	1.0960E+01	1.0030E+01	9.0458E+00	5.4920E+00
1991/07/23	16:37:50.40	1.3812E+01	1.0120E+01	1.0970E+01	1.0040E+01	9.0603E+00	5.5072E+00
1991/07/23	17:37:50.40	1.3818E+01	1.0123E+01	1.0967E+01	1.0045E+01	9.0610E+00	5.5079E+00
1991/07/23	18:37:50.40	1.3815E+01	1.0118E+01	1.0962E+01	1.0043E+01	9.0552E+00	5.5029E+00
1991/07/23	19:37:50.40	1.3809E+01	1.0110E+01	1.0946E+01	1.0039E+01	9.0458E+00	5.4913E+00
1991/07/23	20:37:50.40	1.3804E+01	1.0102E+01	1.0934E+01	1.0035E+01	9.0379E+00	5.4862E+00
1991/07/23	21:37:50.40	1.3801E+01	1.0100E+01	1.0933E+01	1.0030E+01	9.0343E+00	5.4819E+00
1991/07/23	22:37:50.40	1.3796E+01	1.0097E+01	1.0931E+01	1.0025E+01	9.0328E+00	5.4812E+00
1991/07/23	23:37:50.40	1.3795E+01	1.0097E+01	1.0933E+01	1.0025E+01	9.0307E+00	5.4783E+00
1991/07/24	00:37:50.40	1.3799E+01	1.0101E+01	1.0942E+01	1.0028E+01	9.0372E+00	5.4841E+00
1991/07/24	01:37:50.40	1.3808E+01	1.0107E+01	1.0951E+01	1.0033E+01	9.0400E+00	5.4877E+00
1991/07/24	02:37:50.40	1.3812E+01	1.0109E+01	1.0953E+01	1.0036E+01	9.0436E+00	5.4913E+00
1991/07/24	03:37:50.40	1.3815E+01	1.0107E+01	1.0951E+01	1.0039E+01	9.0408E+00	5.4884E+00
1991/07/24	04:37:50.40	1.3821E+01	1.0111E+01	1.0954E+01	1.0041E+01	9.0451E+00	5.4927E+00
1991/07/24	05:37:50.40	1.3817E+01	1.0104E+01	1.0945E+01	1.0038E+01	9.0372E+00	5.4848E+00
1991/07/24	06:37:50.40	1.3820E+01	1.0106E+01	1.0948E+01	1.0038E+01	9.0386E+00	5.4870E+00
1991/07/24	07:37:50.40	1.3815E+01	1.0100E+01	1.0950E+01	1.0033E+01	9.0328E+00	5.4812E+00
1991/07/24	08:37:50.40	1.3812E+01	1.0100E+01	1.0945E+01	1.0032E+01	9.0321E+00	5.4819E+00
1991/07/24	09:37:50.40	1.3827E+01	1.0100E+01	1.0945E+01	1.0030E+01	9.0372E+00	5.4855E+00
1991/07/24	10:37:50.40	1.3822E+01	1.0104E+01	1.0946E+01	1.0036E+01	9.0451E+00	5.4927E+00
1991/07/24	11:37:50.40	1.3820E+01	1.0100E+01	1.0945E+01	1.0031E+01	9.0386E+00	5.4862E+00
1991/07/24	12:37:50.40	1.3820E+01	1.0101E+01	1.0944E+01	1.0028E+01	9.0386E+00	5.4891E+00
1991/07/24	13:37:50.40	1.3825E+01	1.0104E+01	1.0952E+01	1.0037E+01	9.0545E+00	5.5029E+00
1991/07/24	14:37:50.40	1.3835E+01	1.0113E+01	1.0962E+01	1.0043E+01	9.0530E+00	5.5000E+00
1991/07/24	15:37:50.40	1.3838E+01	1.0113E+01	1.0975E+01	1.0046E+01	9.0516E+00	5.4992E+00

AQUIFER PUMPING TEST 1

GRAPHS

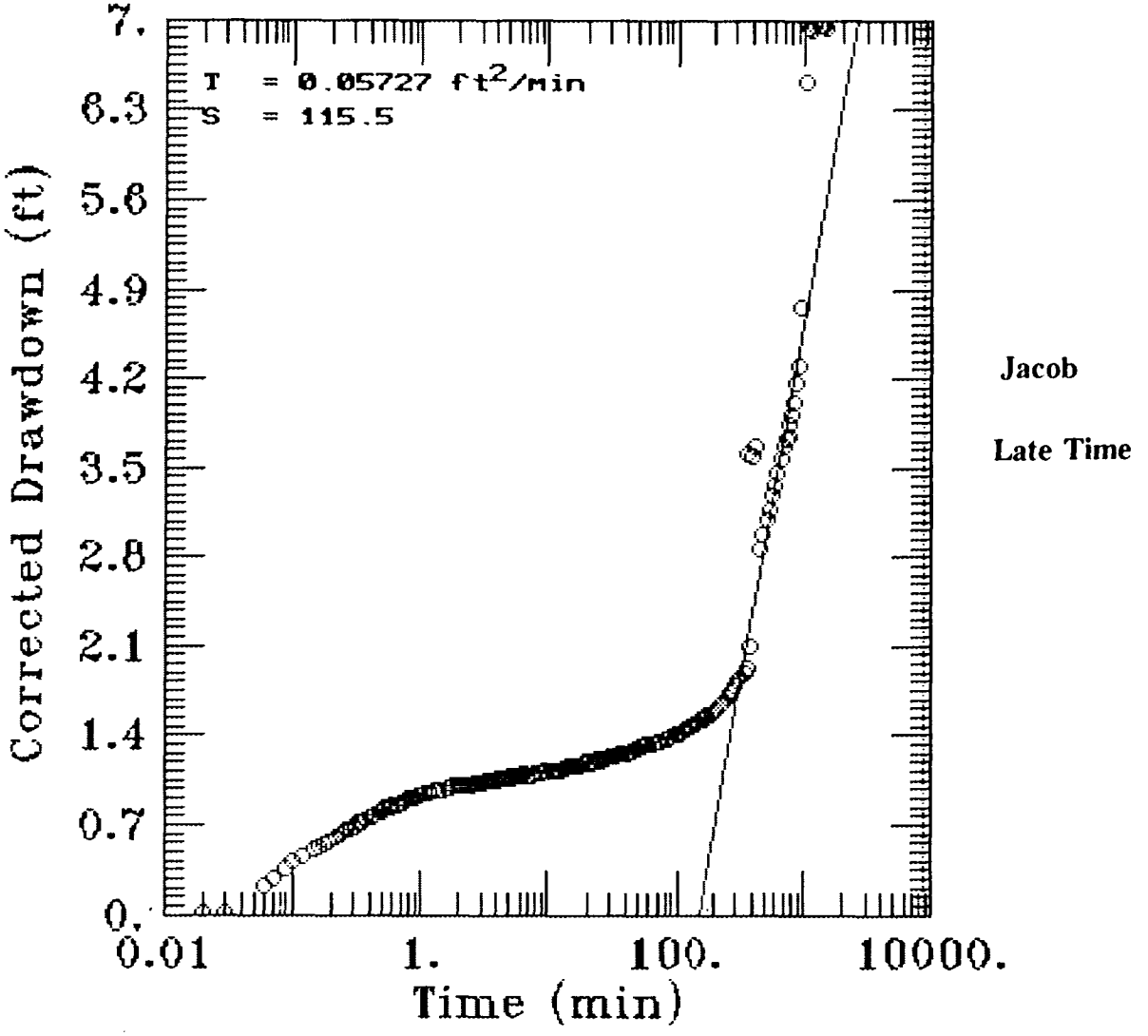
PUMP TEST 1; PUMP PHASE, WELL W61-1(A1)



Jacob

Early Time

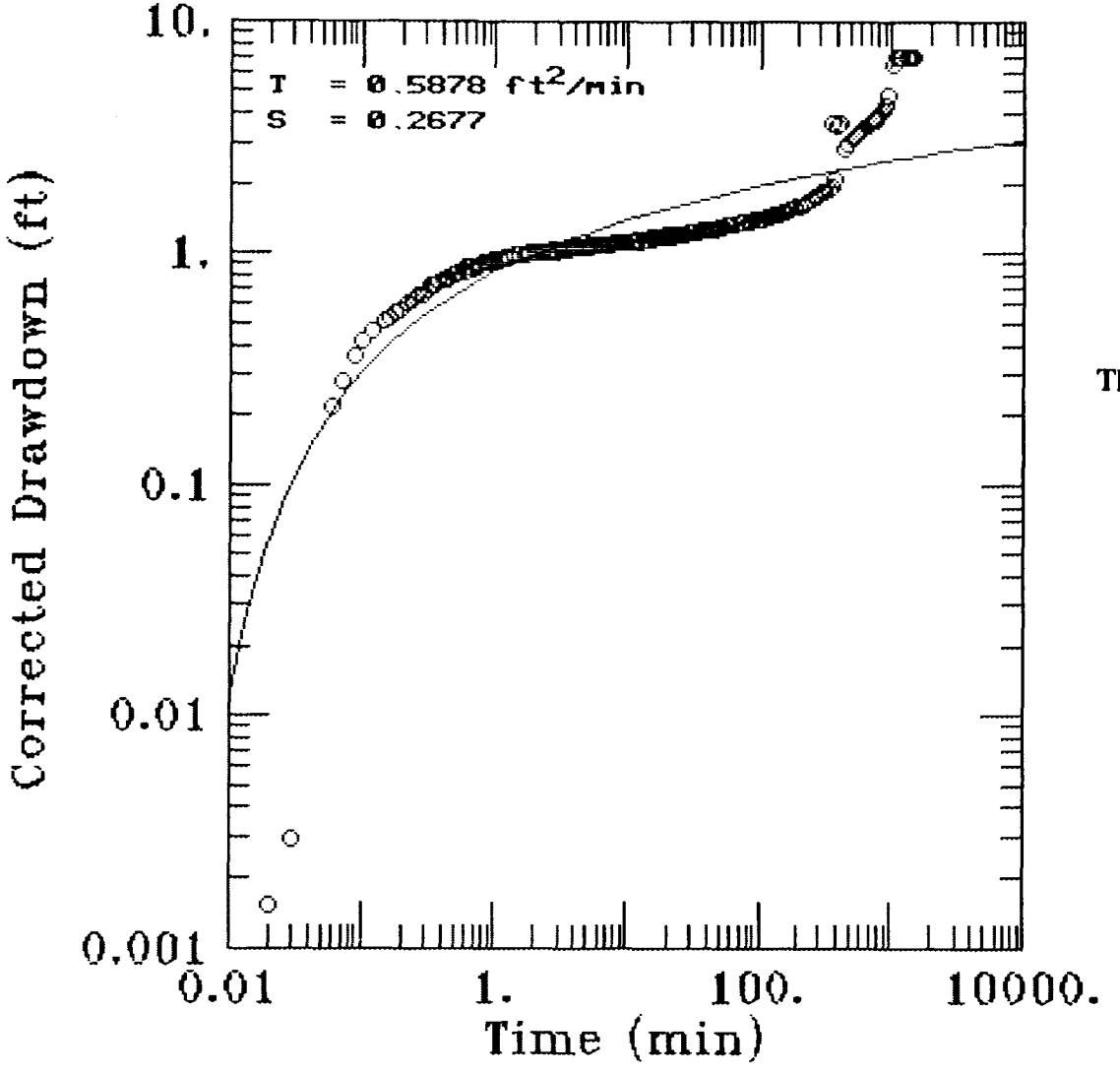
PUMP TEST 1; PUMP PHASE, WELL W61-1(A1)



Jacob

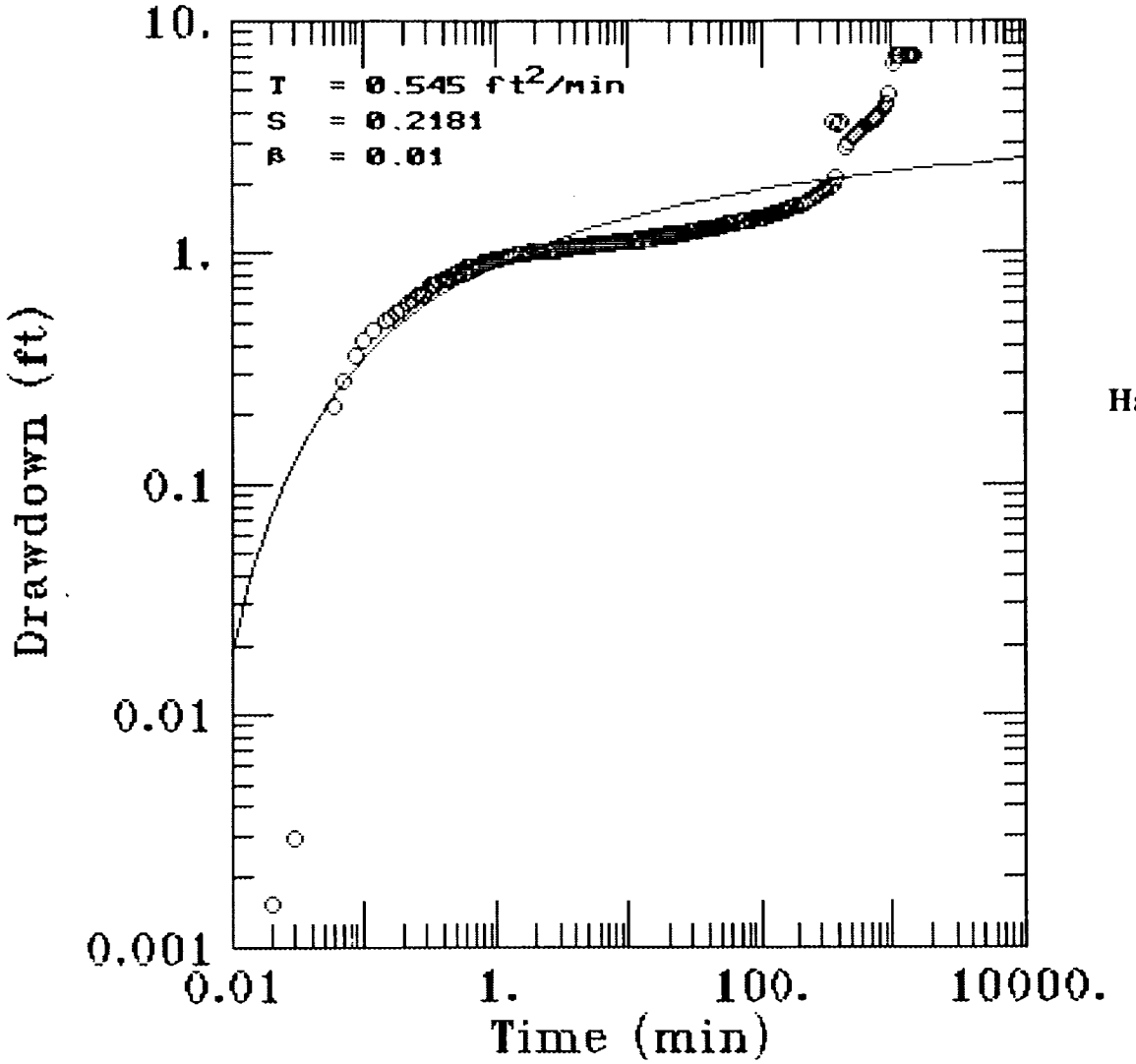
Late Time

PUMP TEST 1; PUMP PHASE, WELL W61-1(A1)



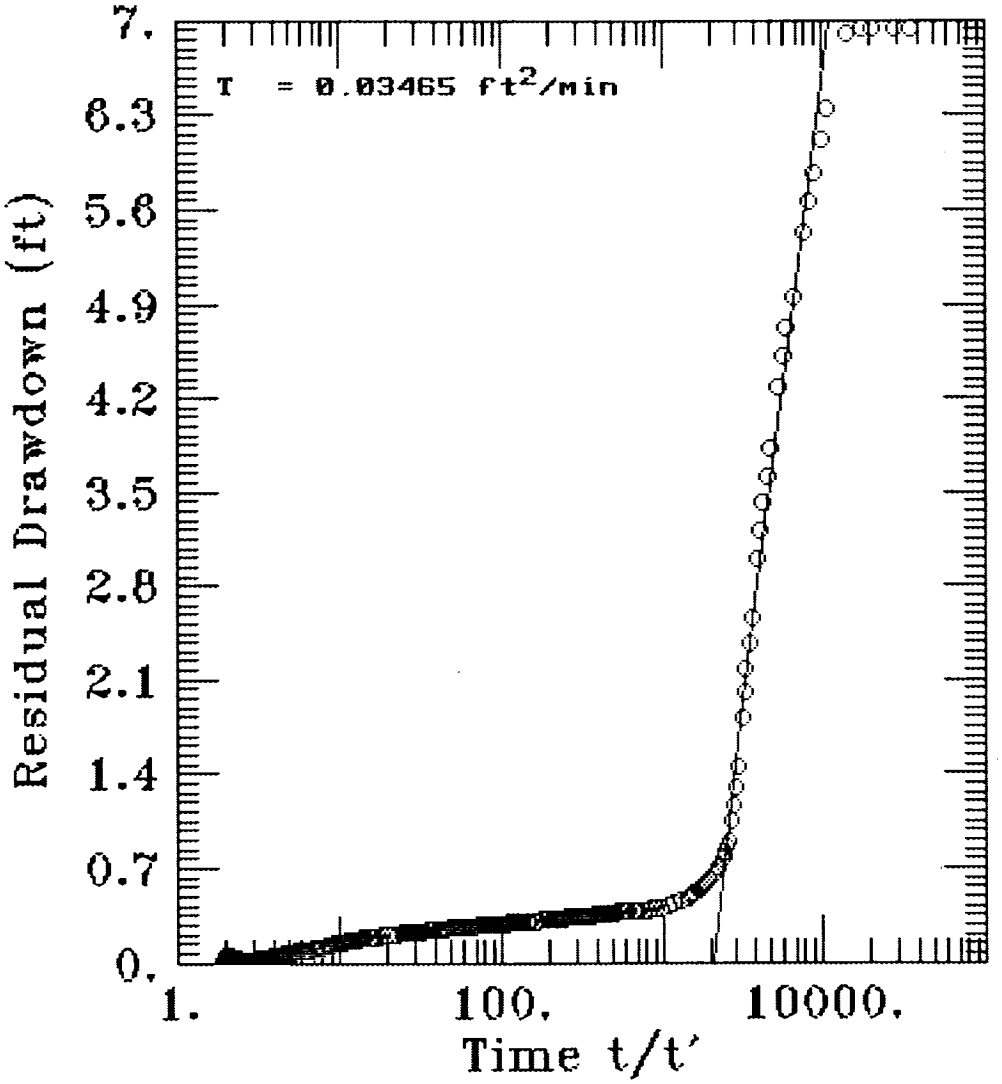
Theis

PUMP TEST 1; PUMP PHASE, WELL W61-1(A1)



Hantush

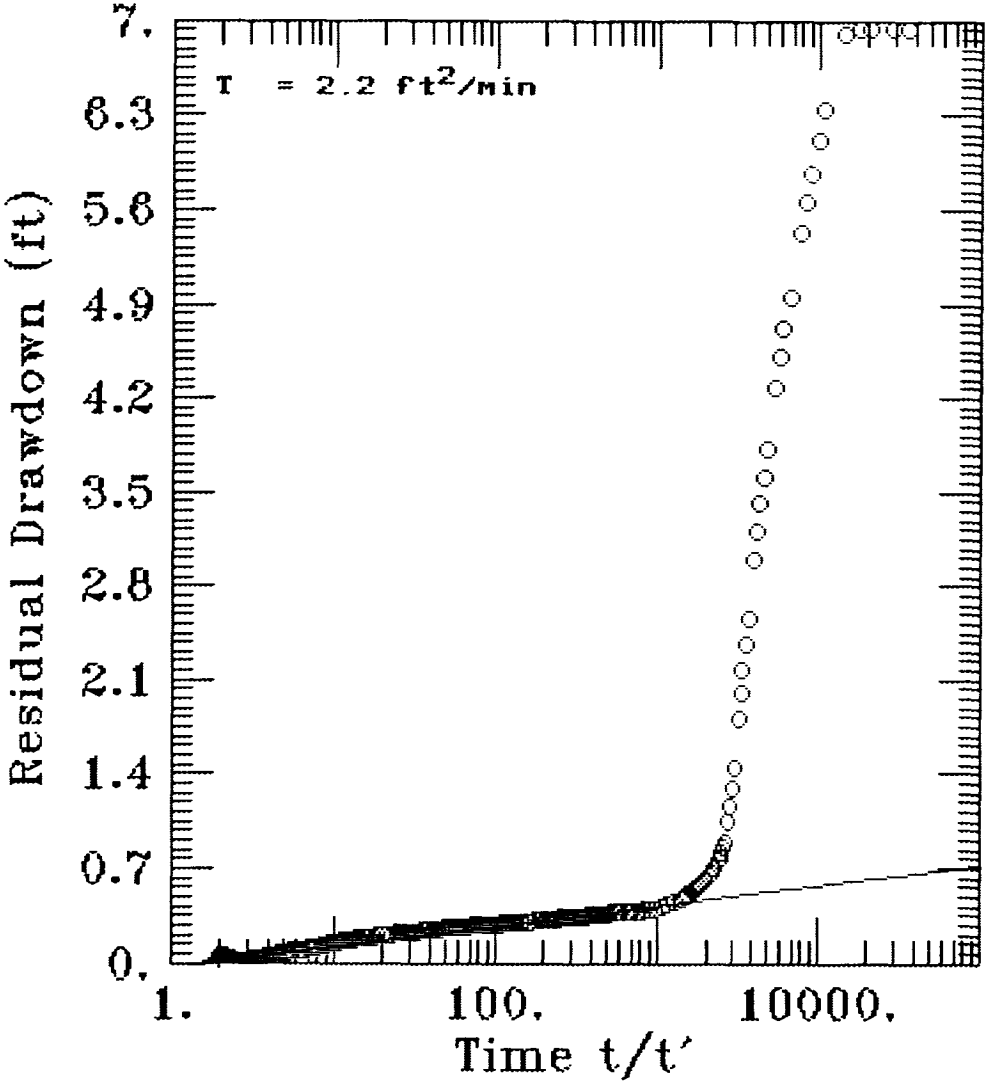
PUMP TEST 1; RECOVERY, WELL W61-1(A1)



Theis

Early Time

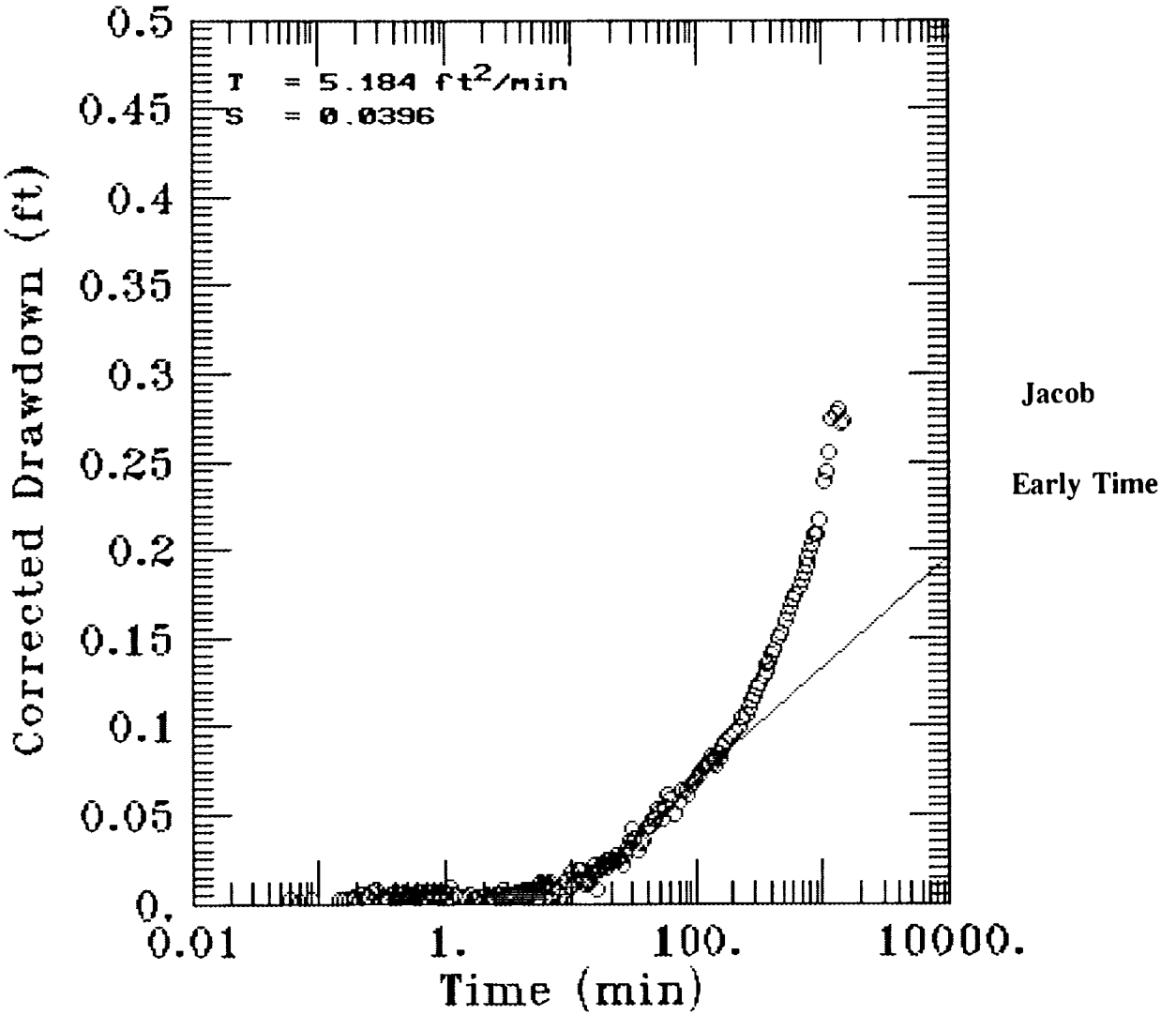
PUMP TEST 1; RECOVERY, WELL W61-1(A1)



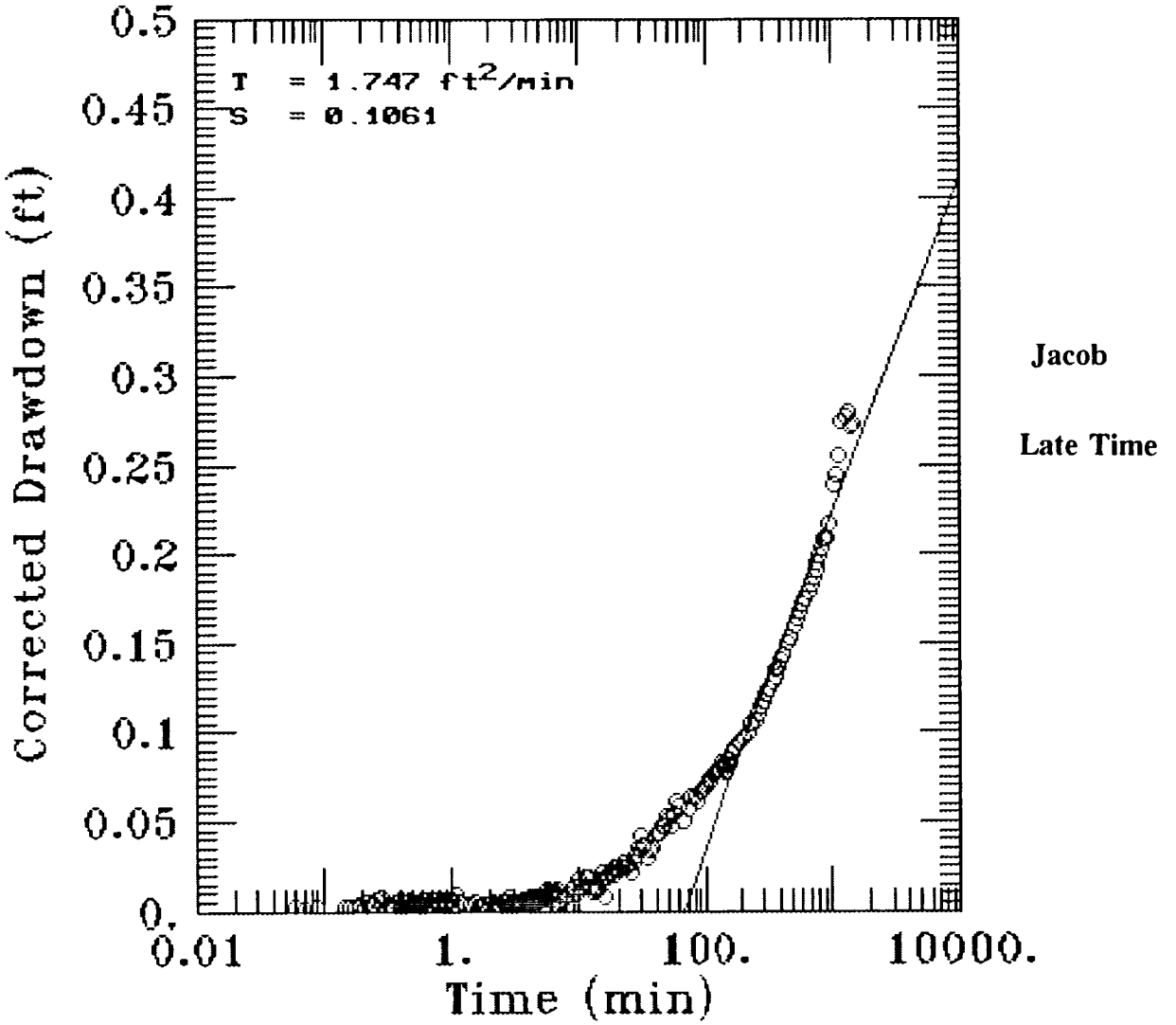
Theis

Late Time

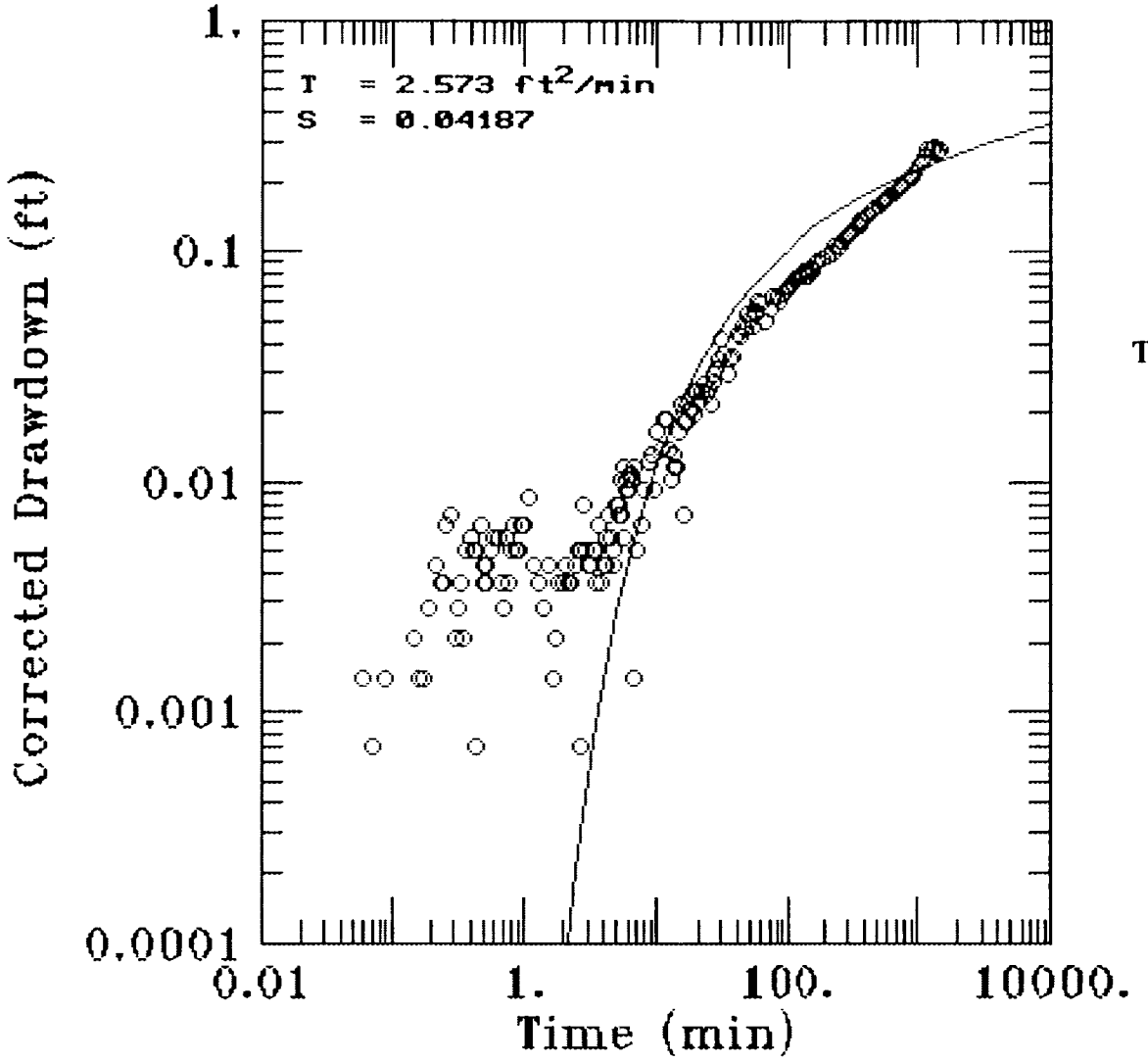
PUMP TEST 1; PUMP PHASE, PIEZOMETER P-1



PUMP TEST 1; PUMP PHASE, PIEZOMETER P-1

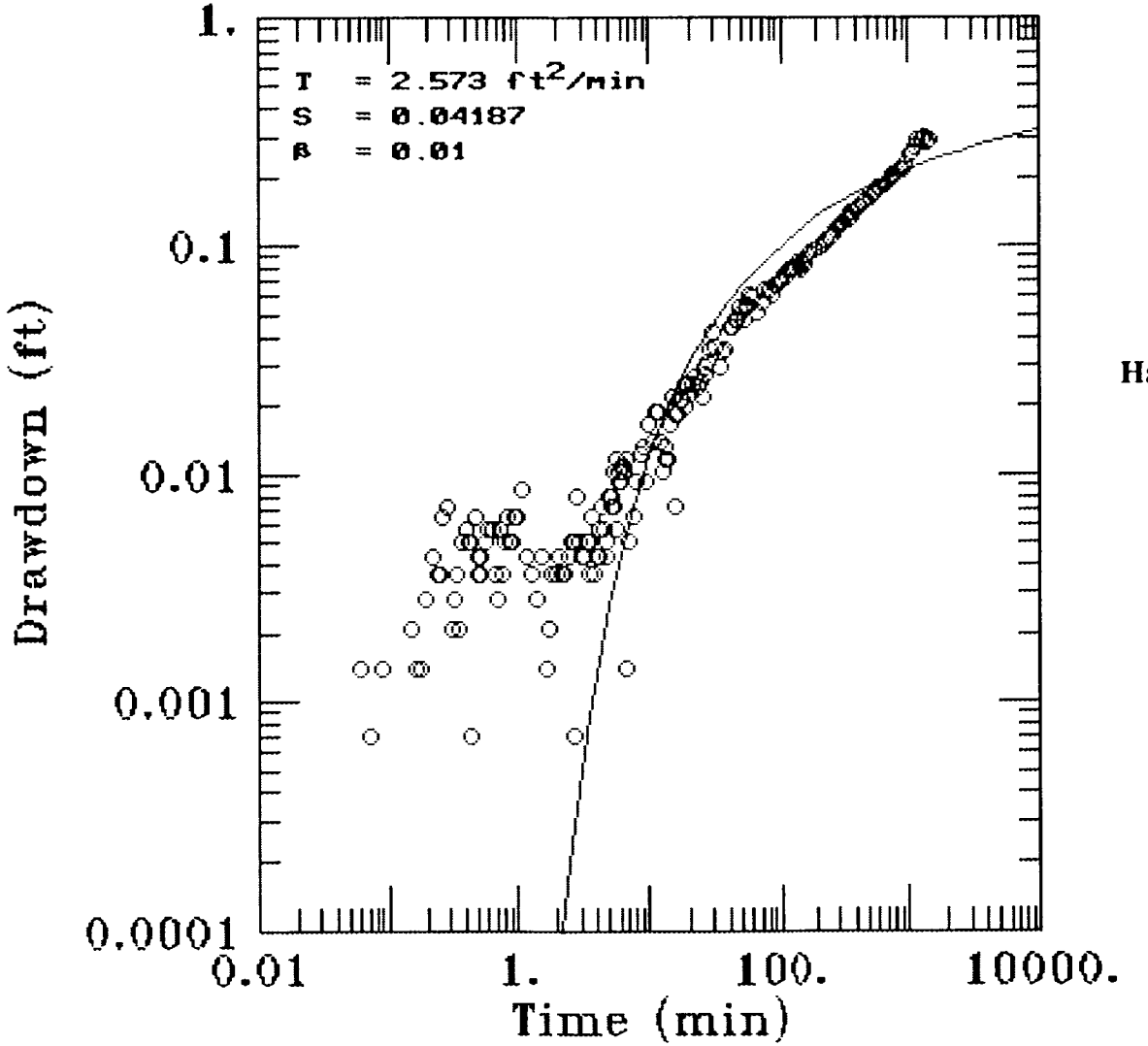


PUMP TEST 1; PUMP PHASE, PIEZOMETER P-1



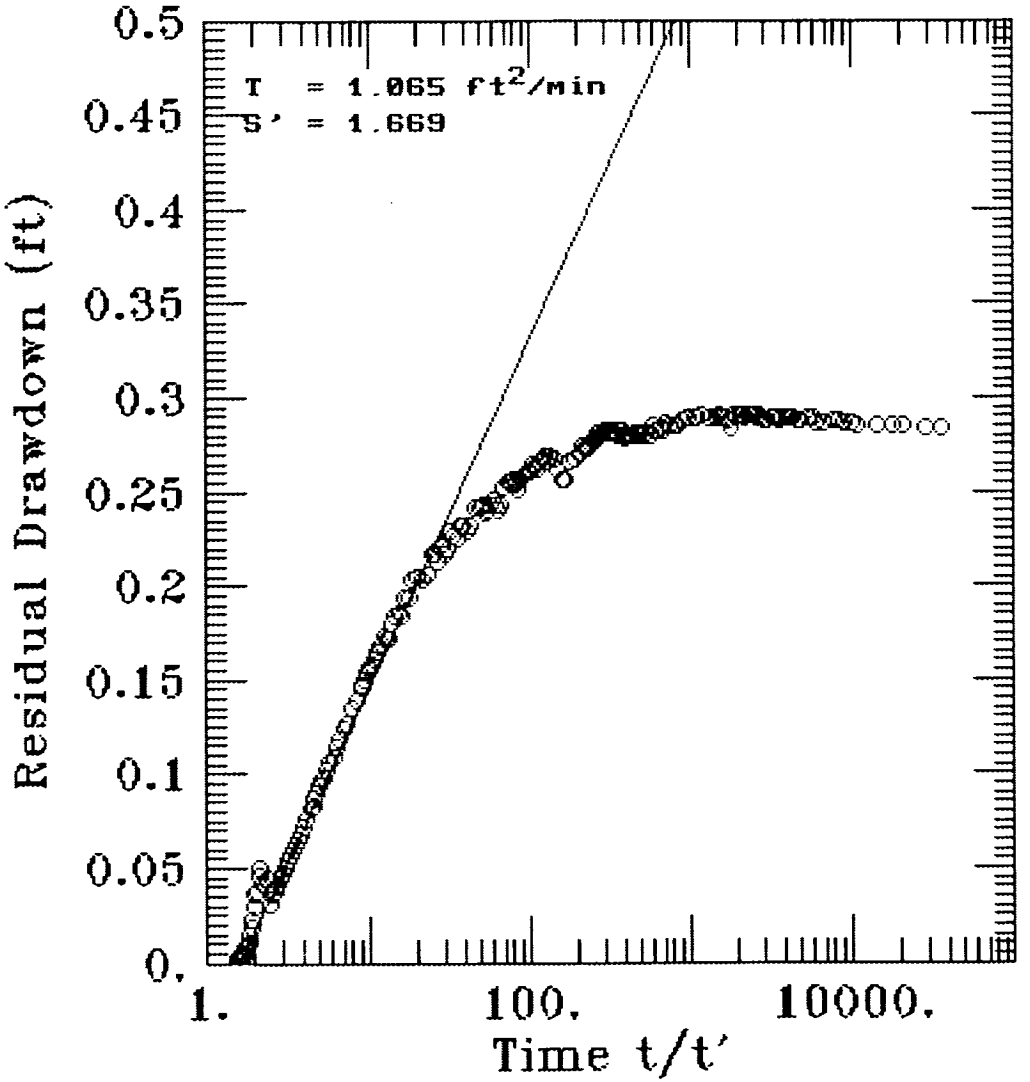
Theis

PUMP TEST 1; PUMP PHASE, PIEZOMETER P-1



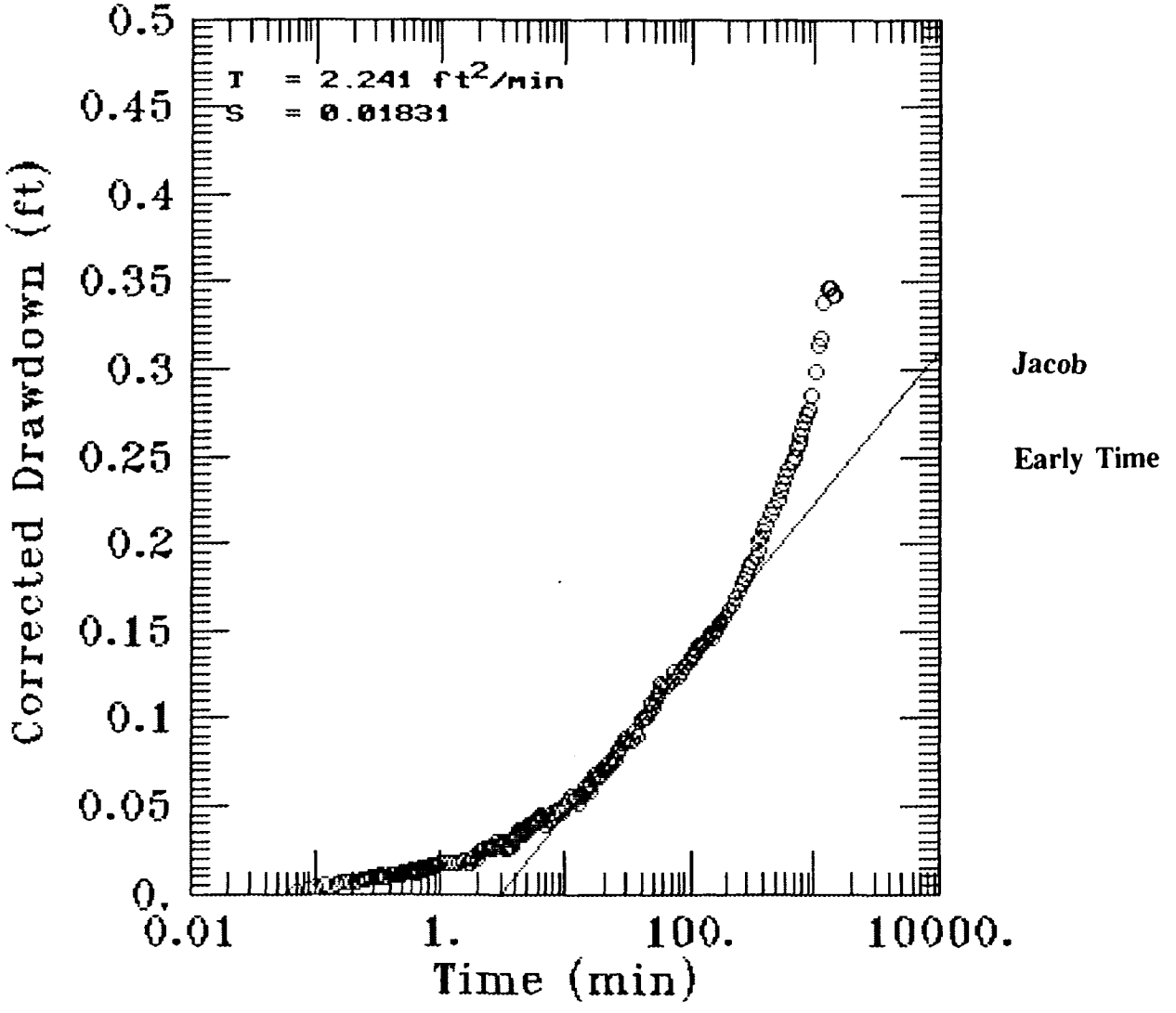
Hantush

PUMP TEST 1; RECOVERY, PIEZOMETER P-1

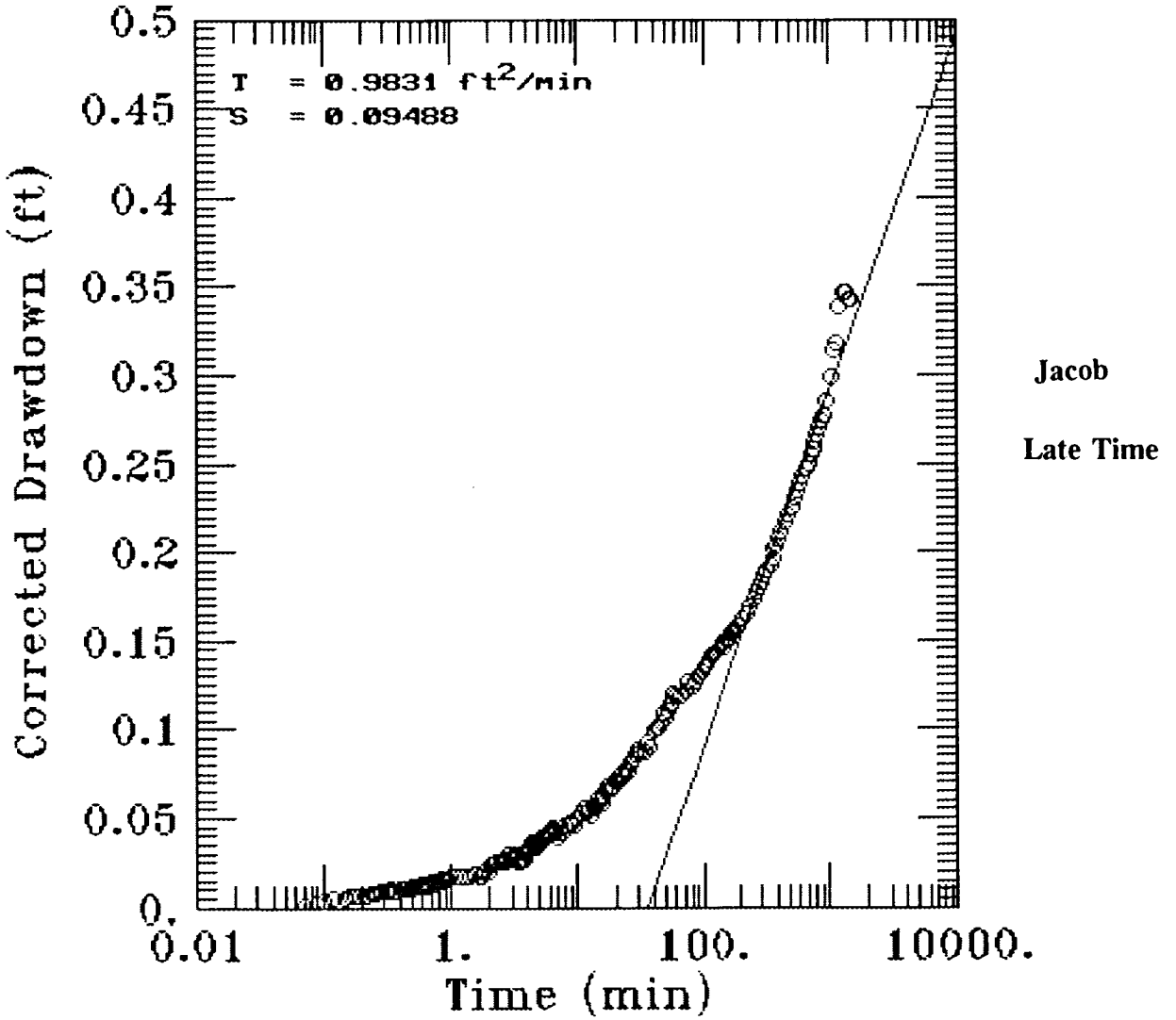


Theis

PUMP TEST 1; PUMP PHASE, PIEZOMETER P-2



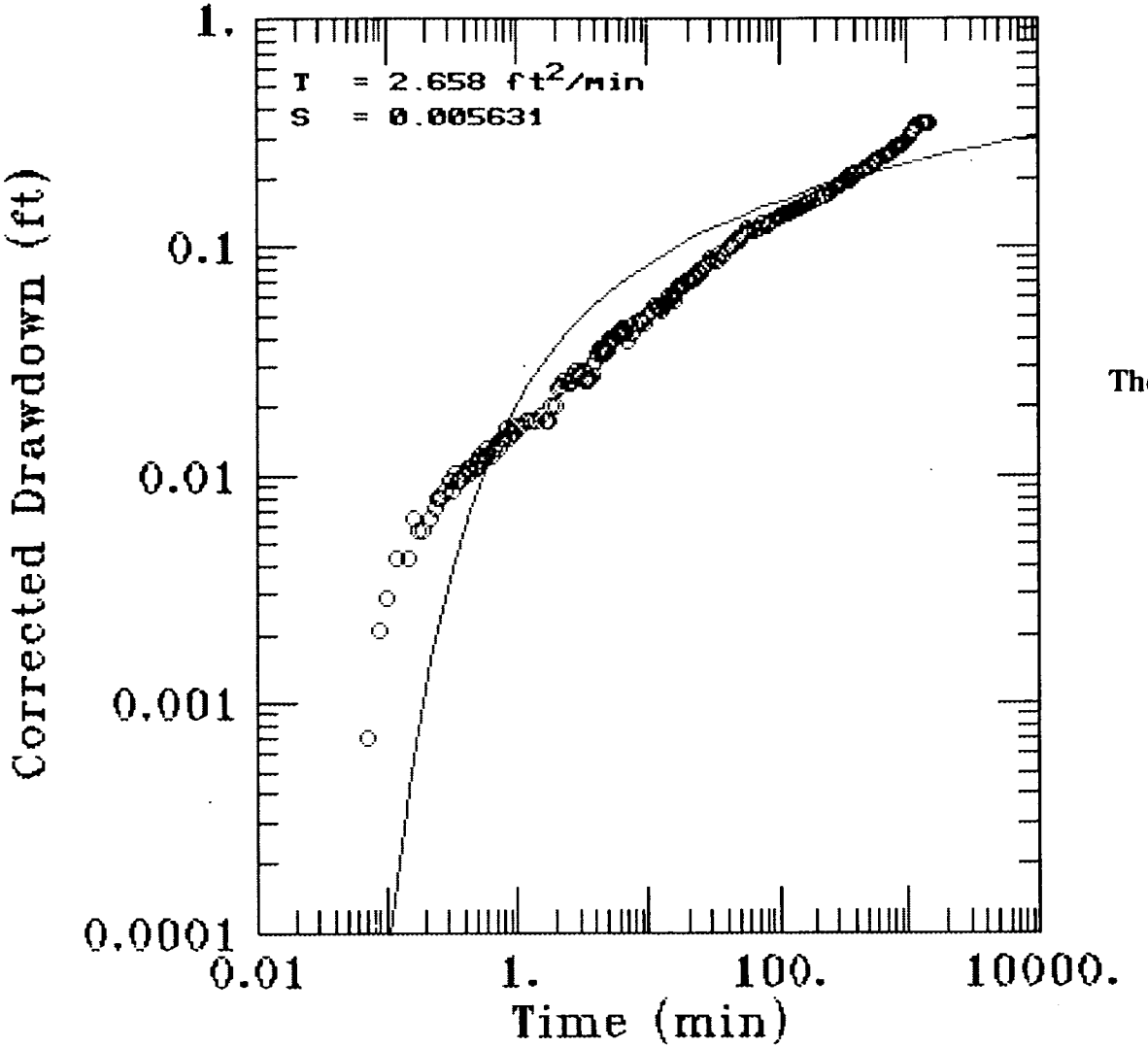
PUMP TEST 1; PUMP PHASE, PIEZOMETER P-2



Jacob

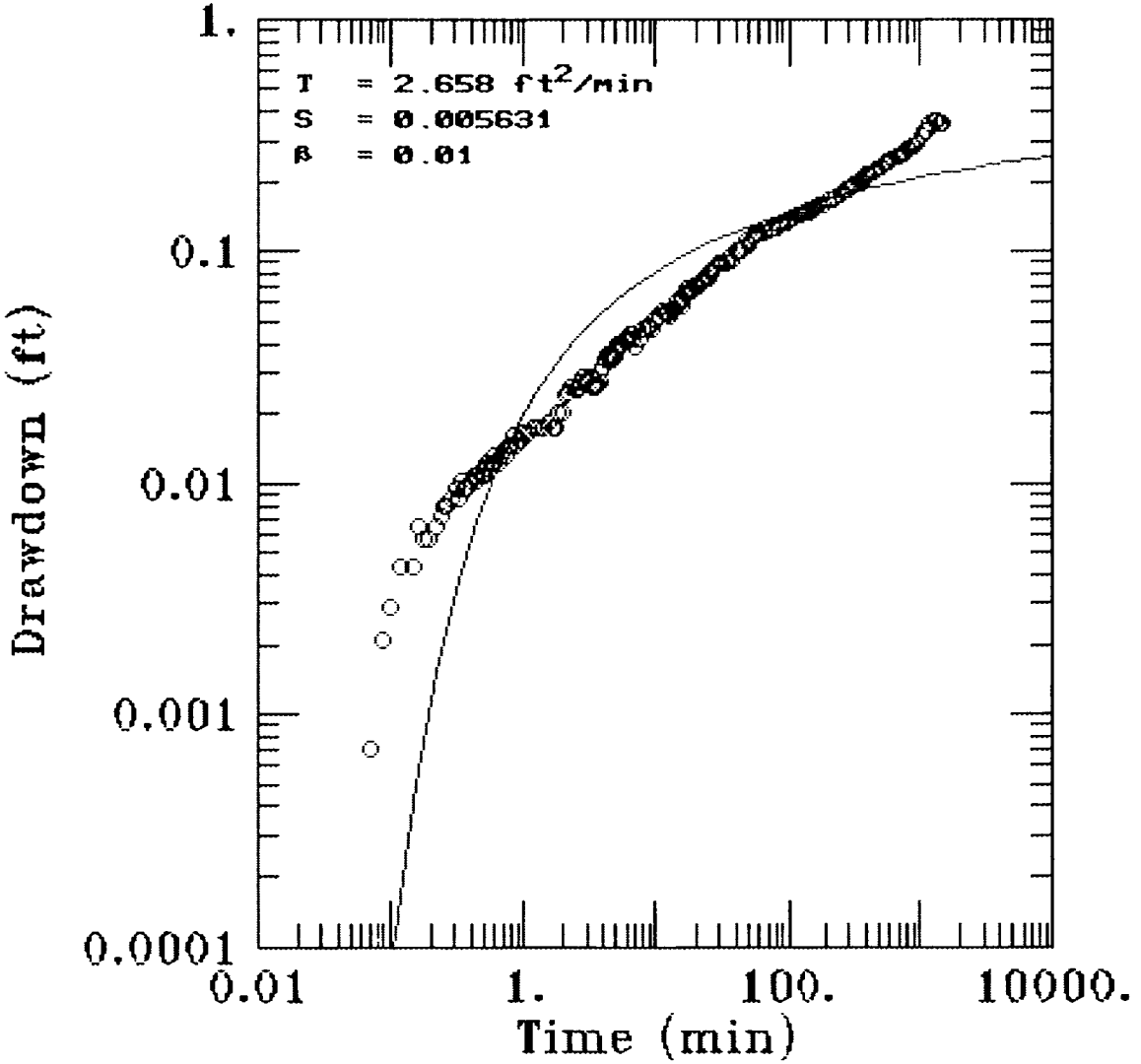
Late Time

PUMP TEST 1; PUMP PHASE, PIEZOMETER P-2



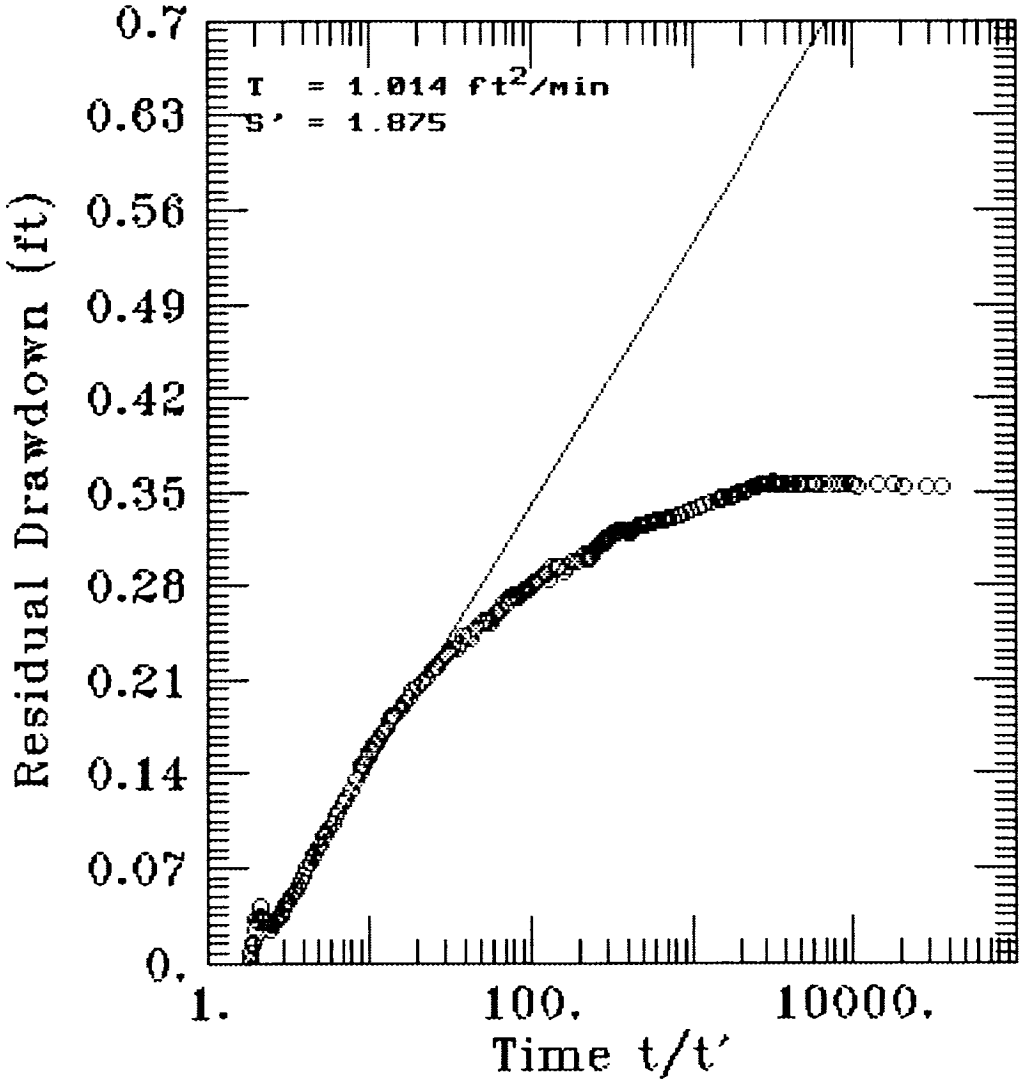
Theis

PUMP TEST 1; PUMP PHASE, PIEZOMETER P-2



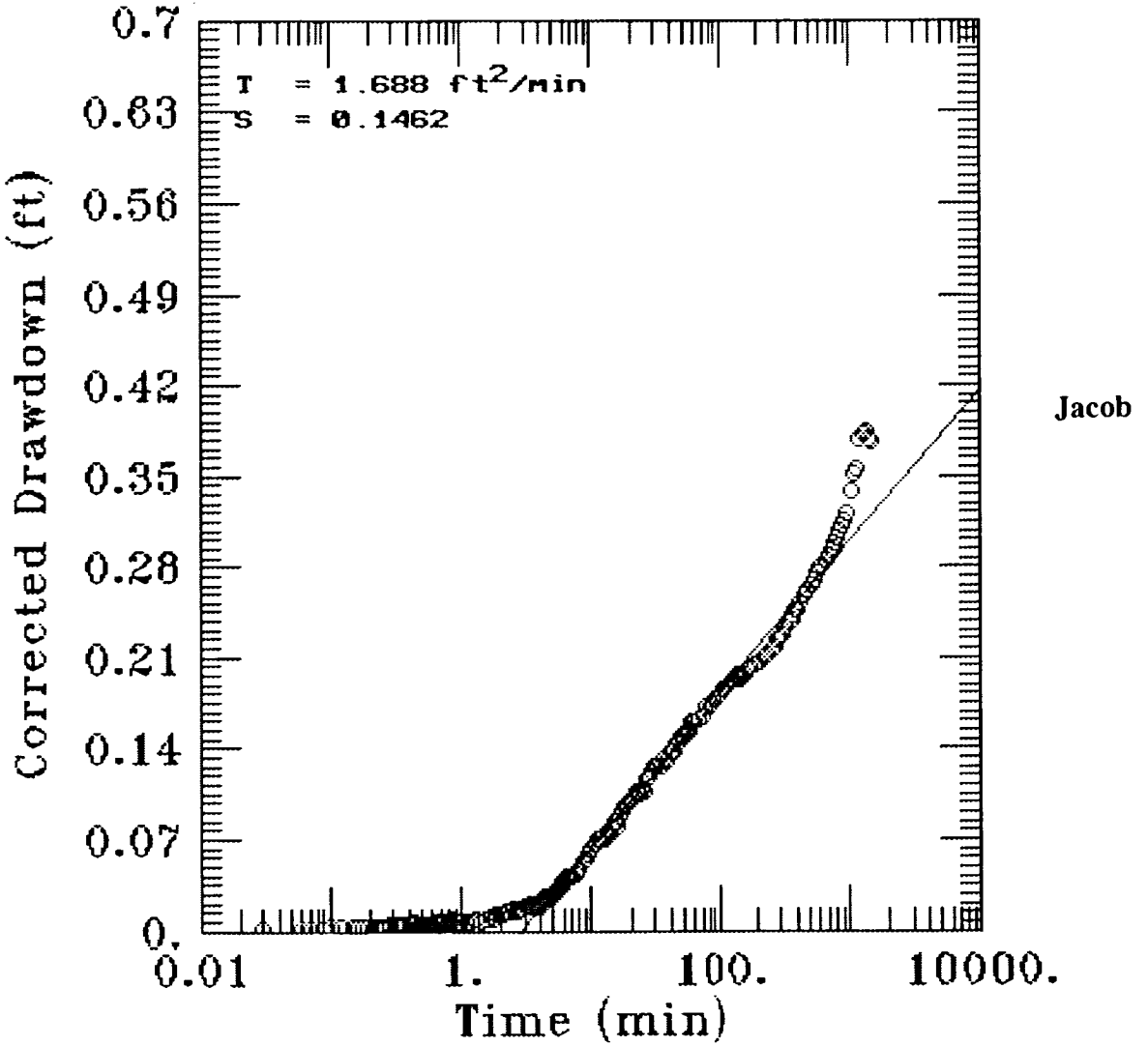
Hantush

PUMP TEST 1; RECOVERY, PIEZOMETER P-2

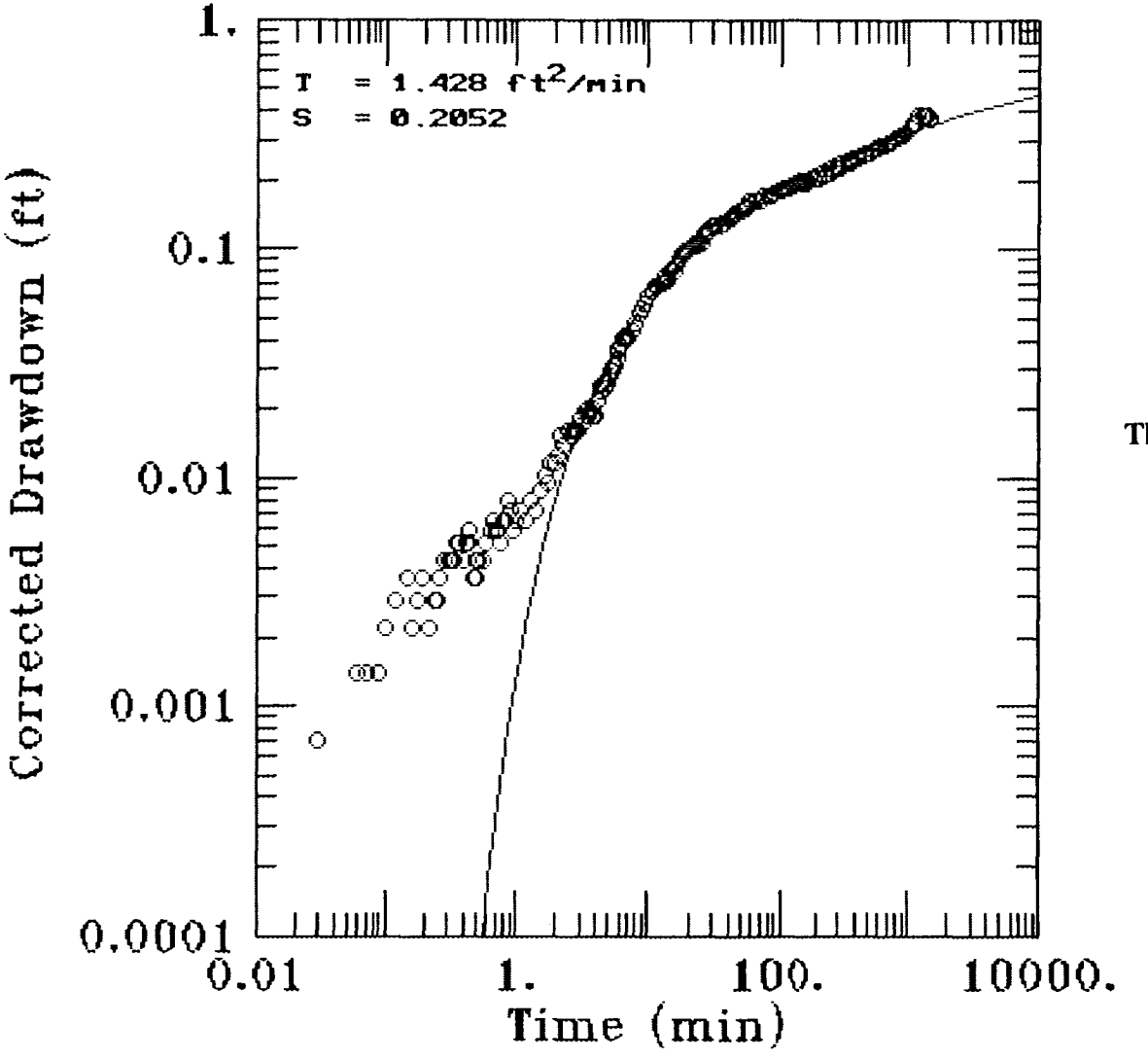


Theis

PUMP TEST 1; PUMP PHASE, PIEZOMETER P-3

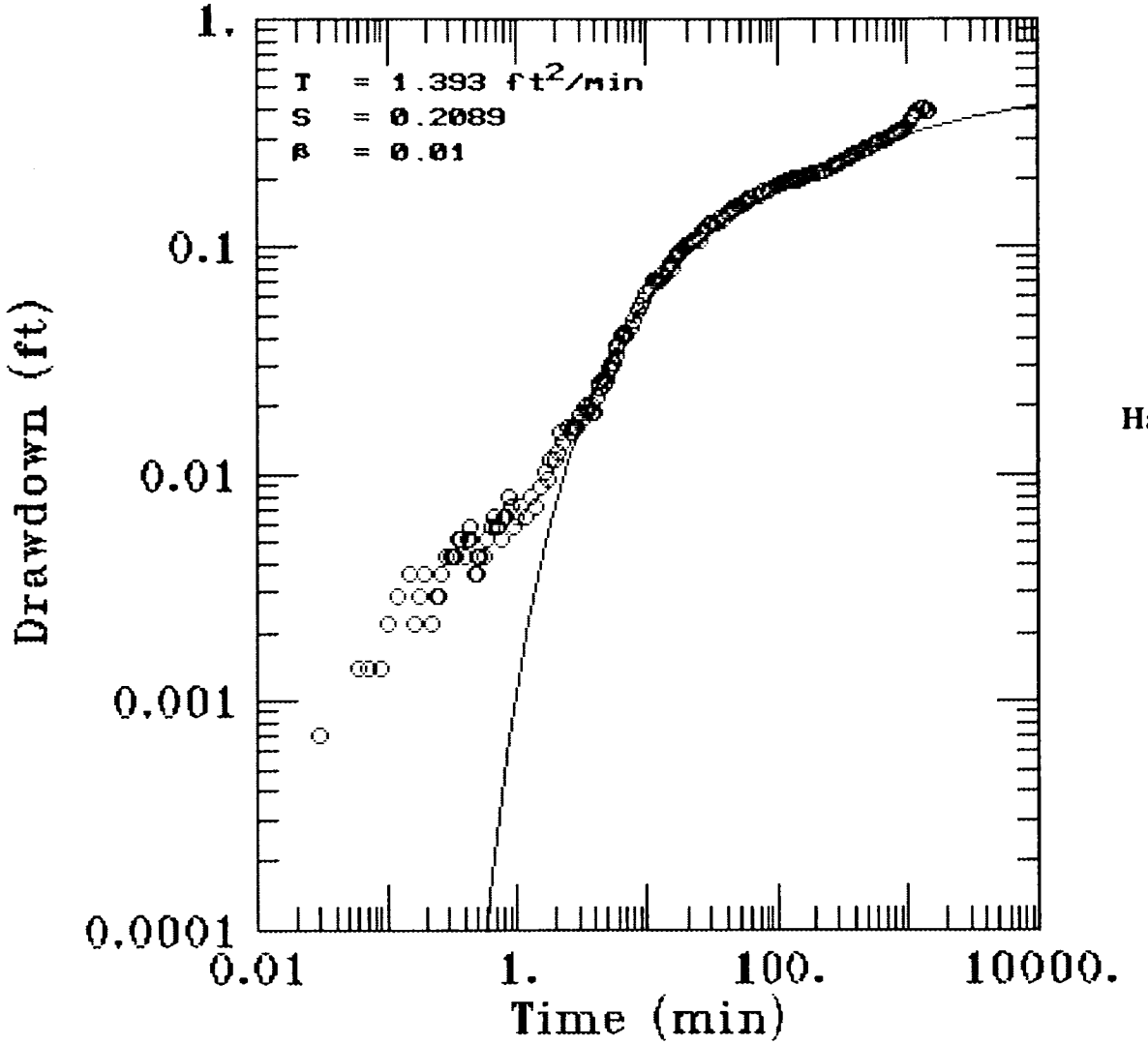


PUMP TEST 1; PUMP PHASE, PIEZOMETER P-3



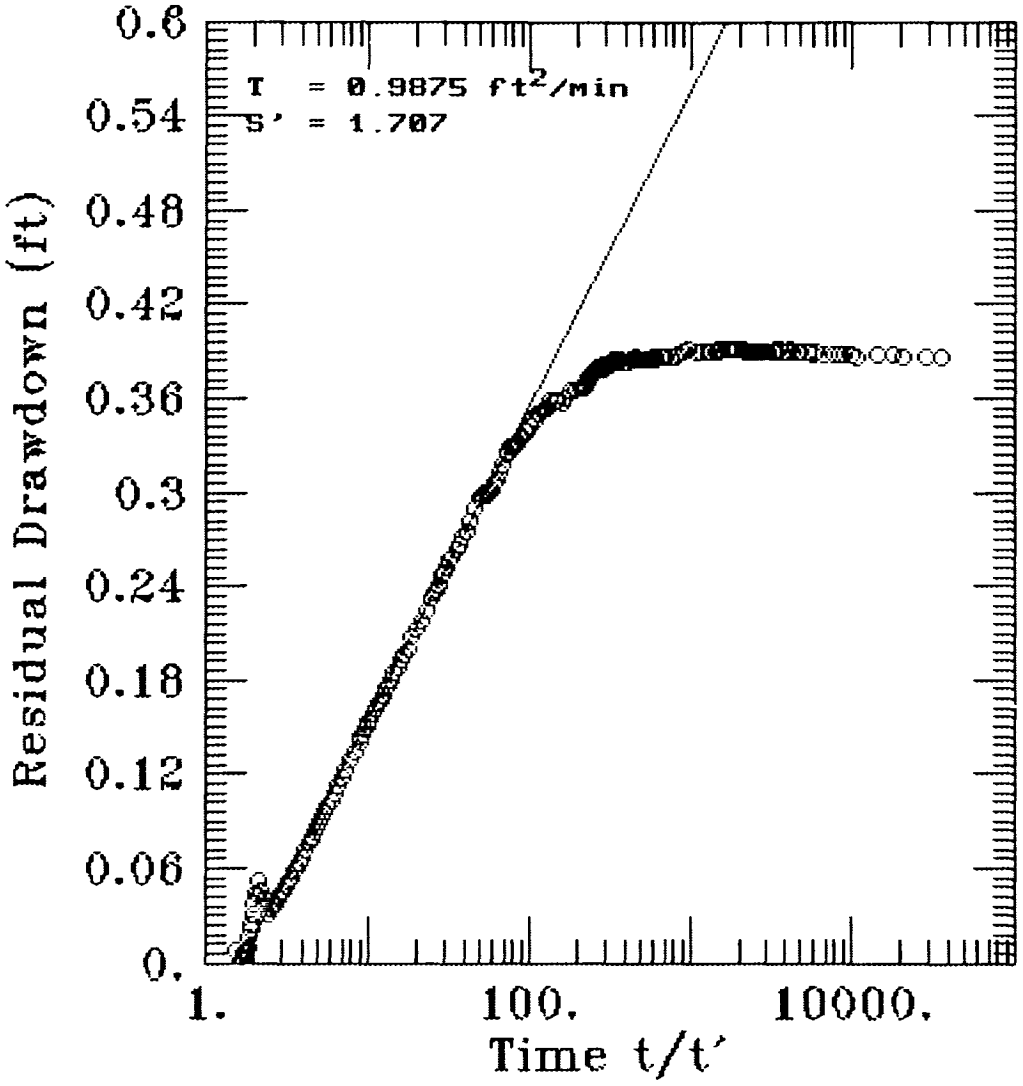
Theis

PUMP TEST 1; PUMP PHASE, PIEZOMETER P-3



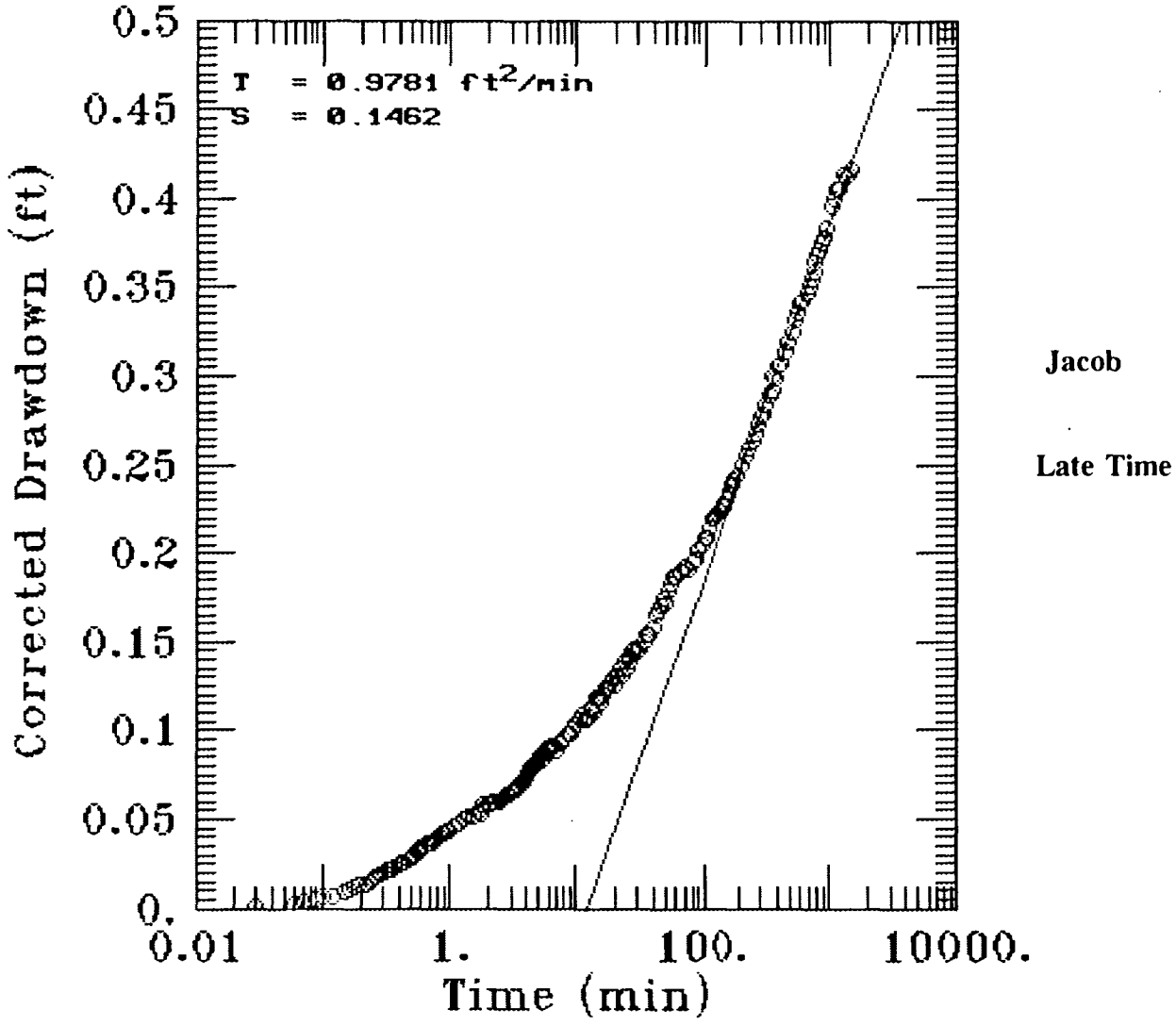
Hantush

PUMP TEST 1; RECOVERY, PIEZOMETER P-3



Theis

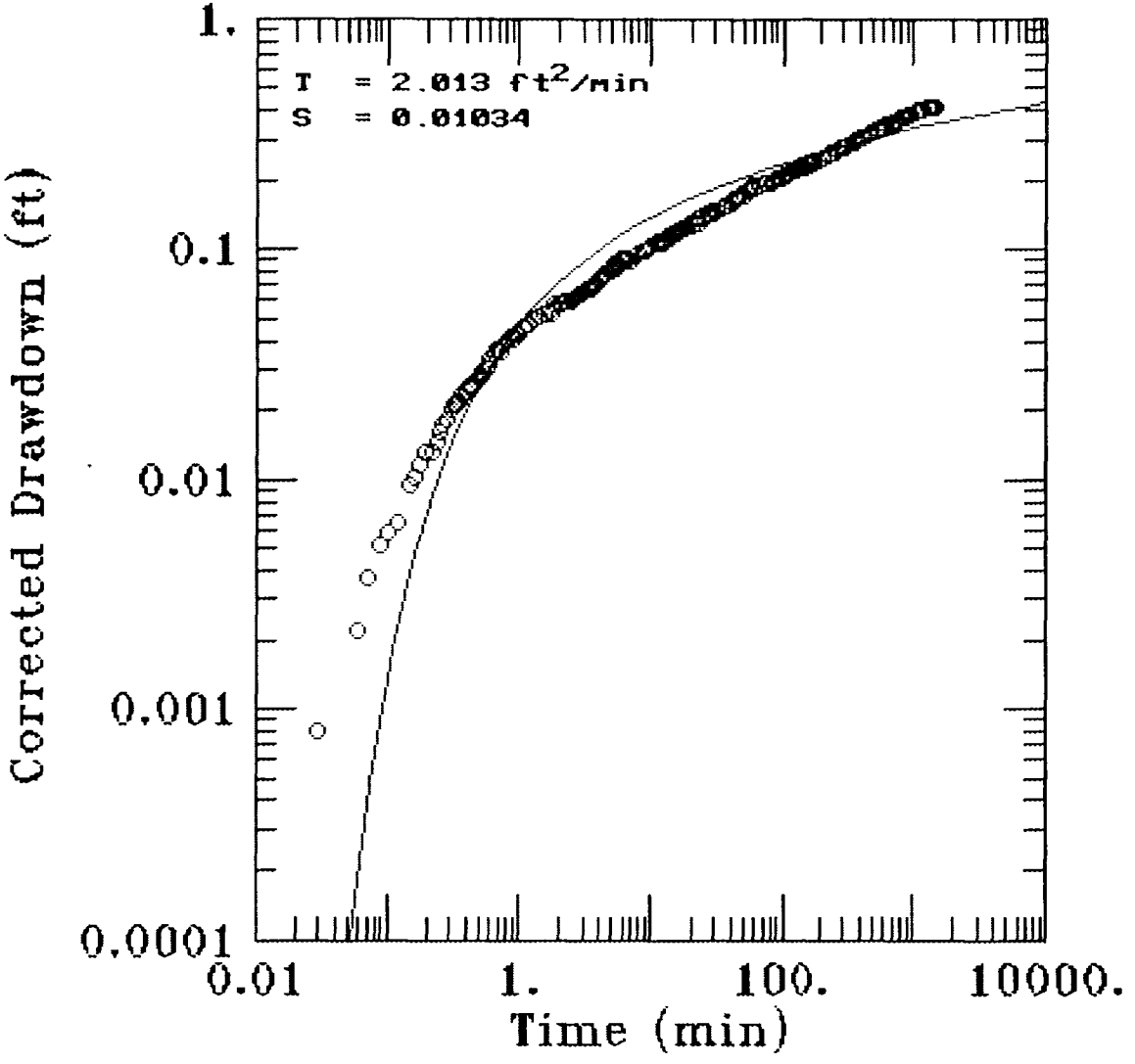
PUMP TEST 1; PUMP PHASE, PIEZOMETER P-4



Jacob

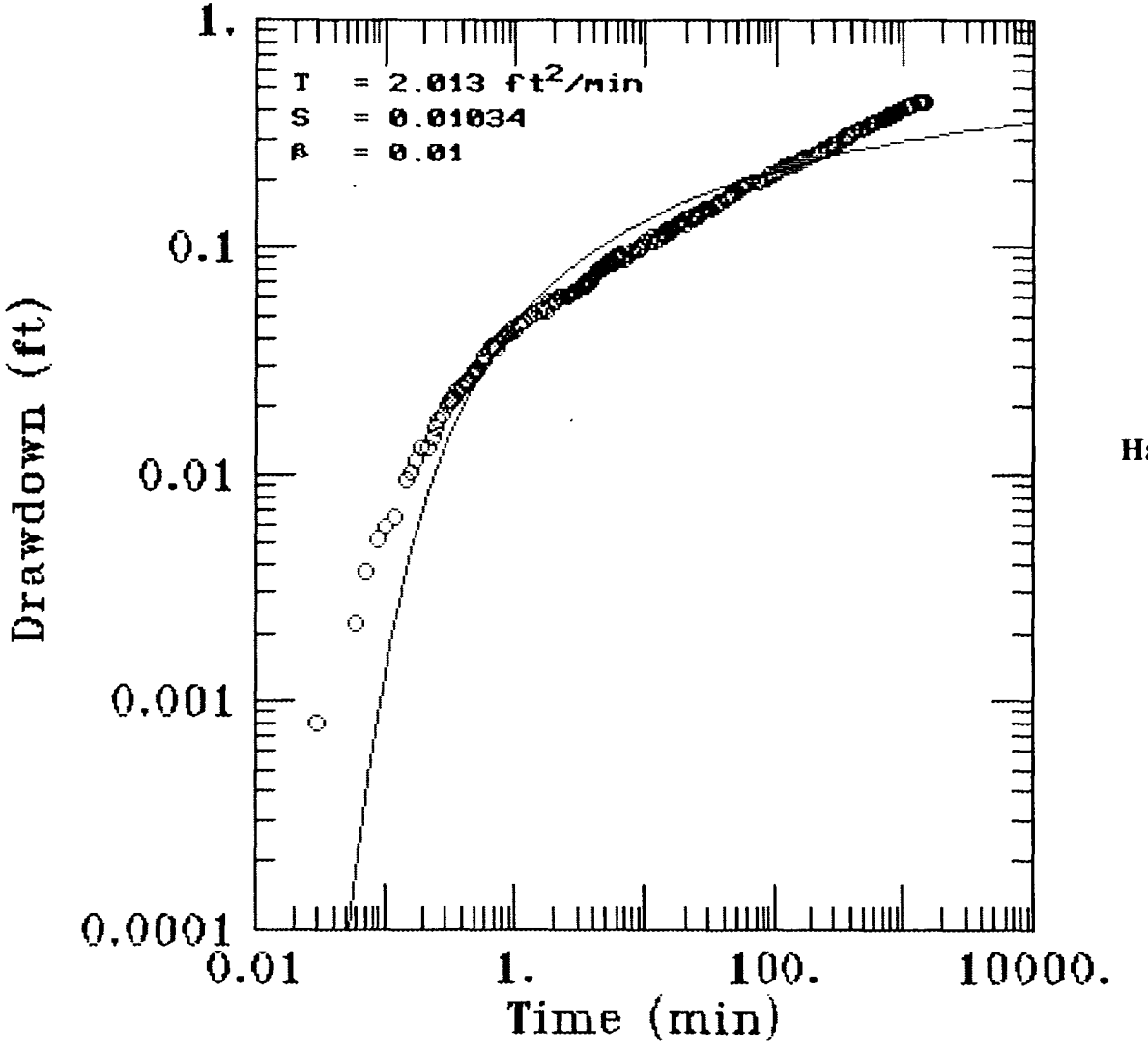
Late Time

PUMP TEST 1; PUMP PHASE, PIEZOMETER P-4



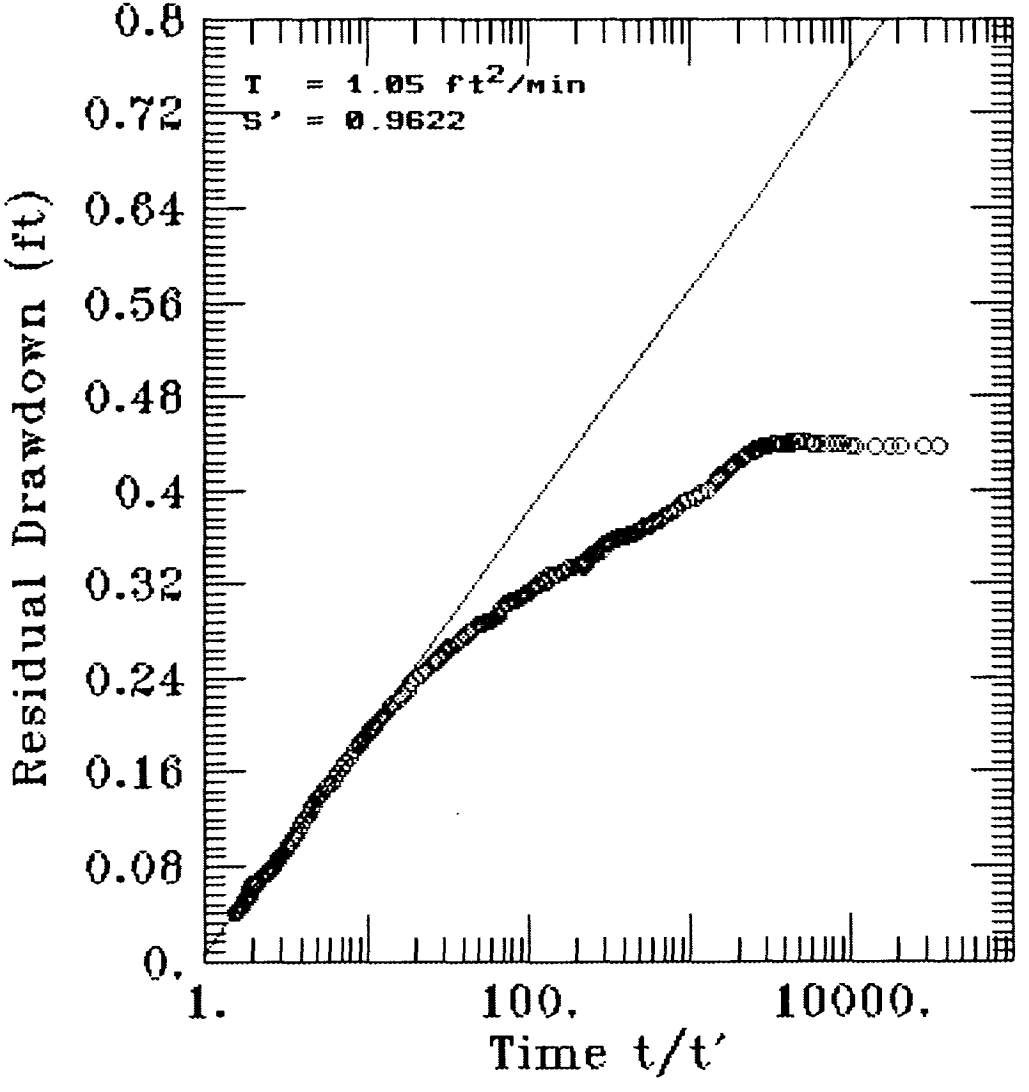
Theis

PUMP TEST 1; PUMP PHASE, PIEZOMETER P-4



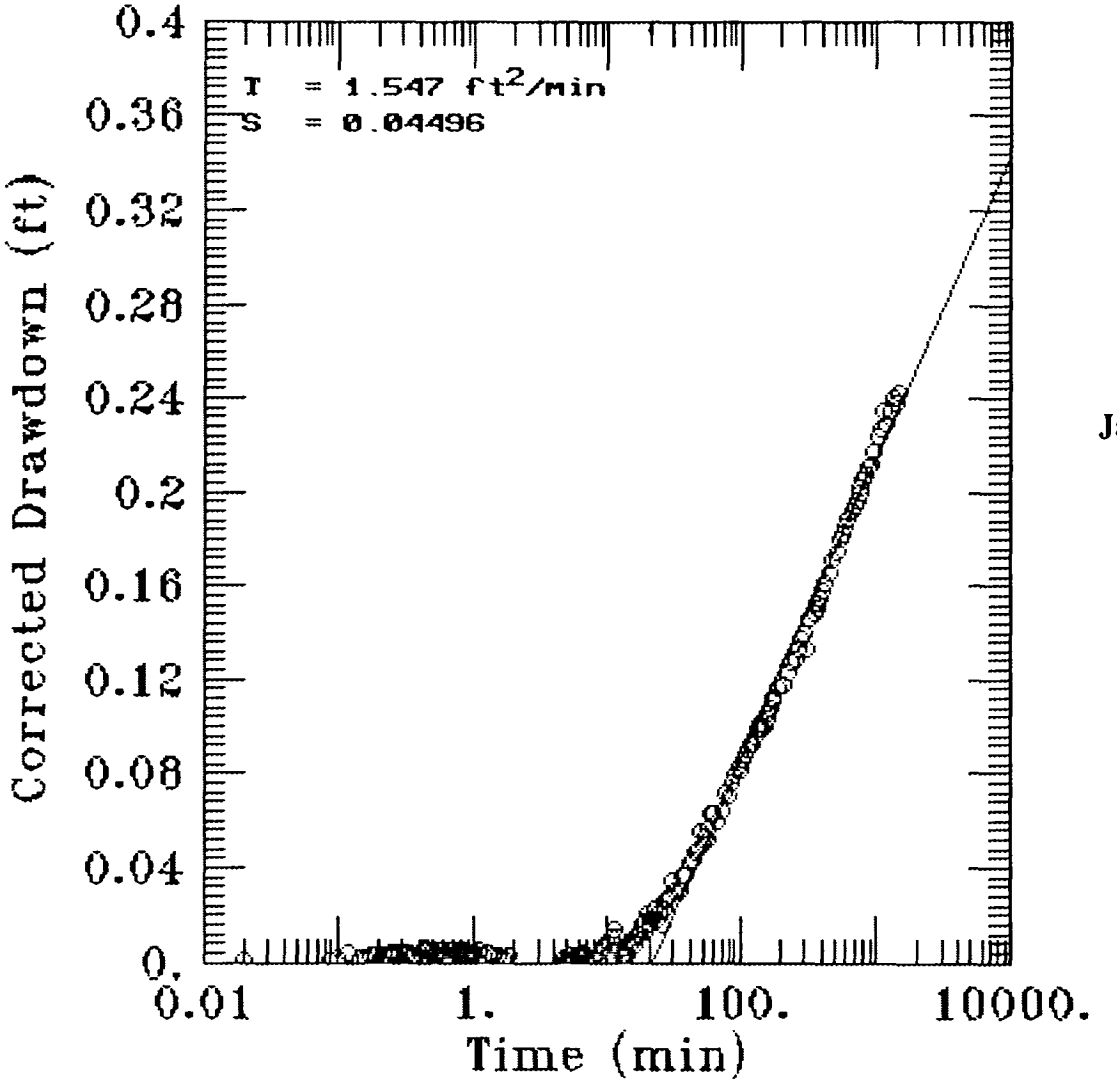
Hantush

PUMP TEST 1; RECOVERY, PIEZOMETER P-4



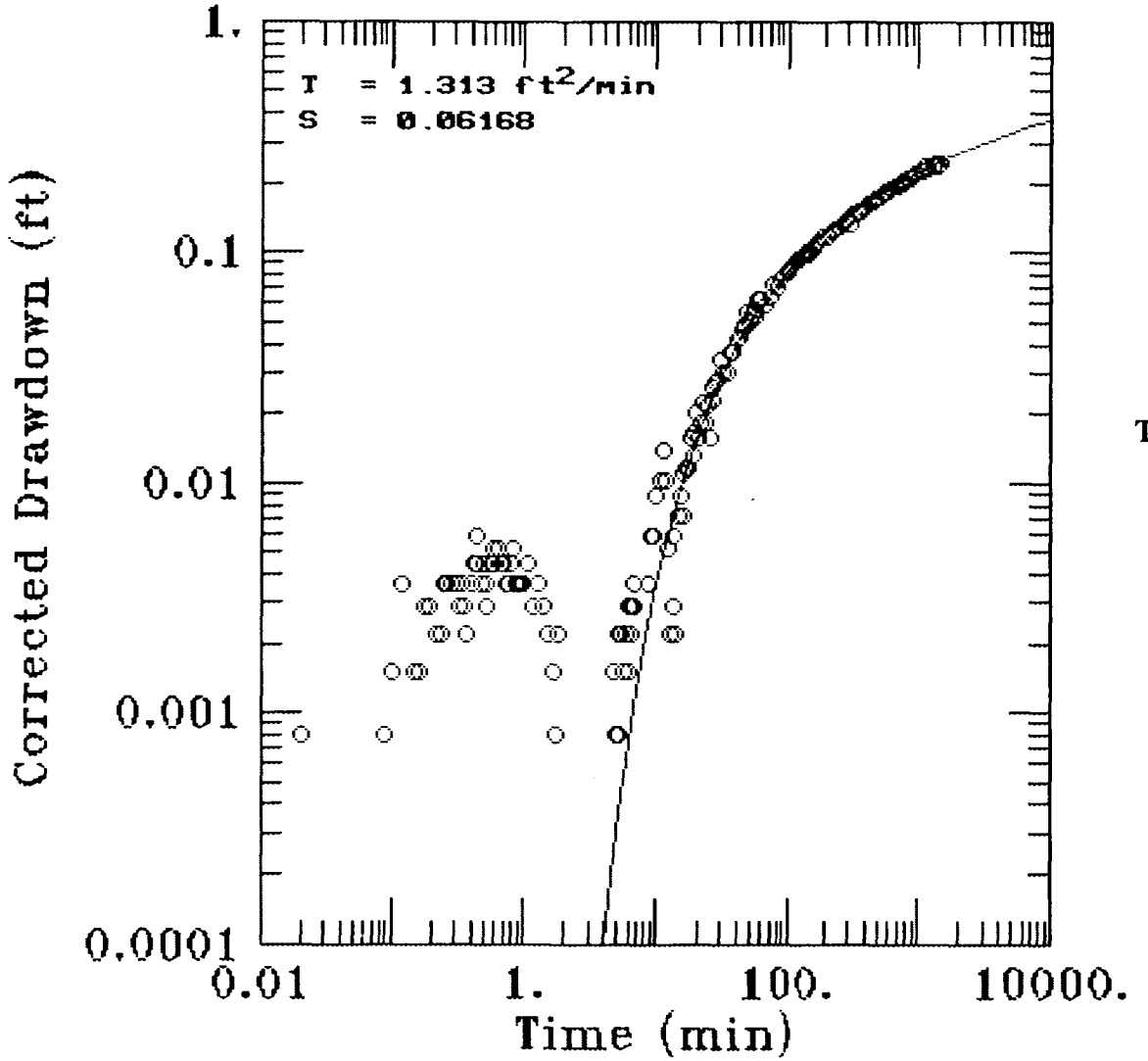
Theis

PUMP TEST 1; PUMP PHASE, PIEZOMETER P-5



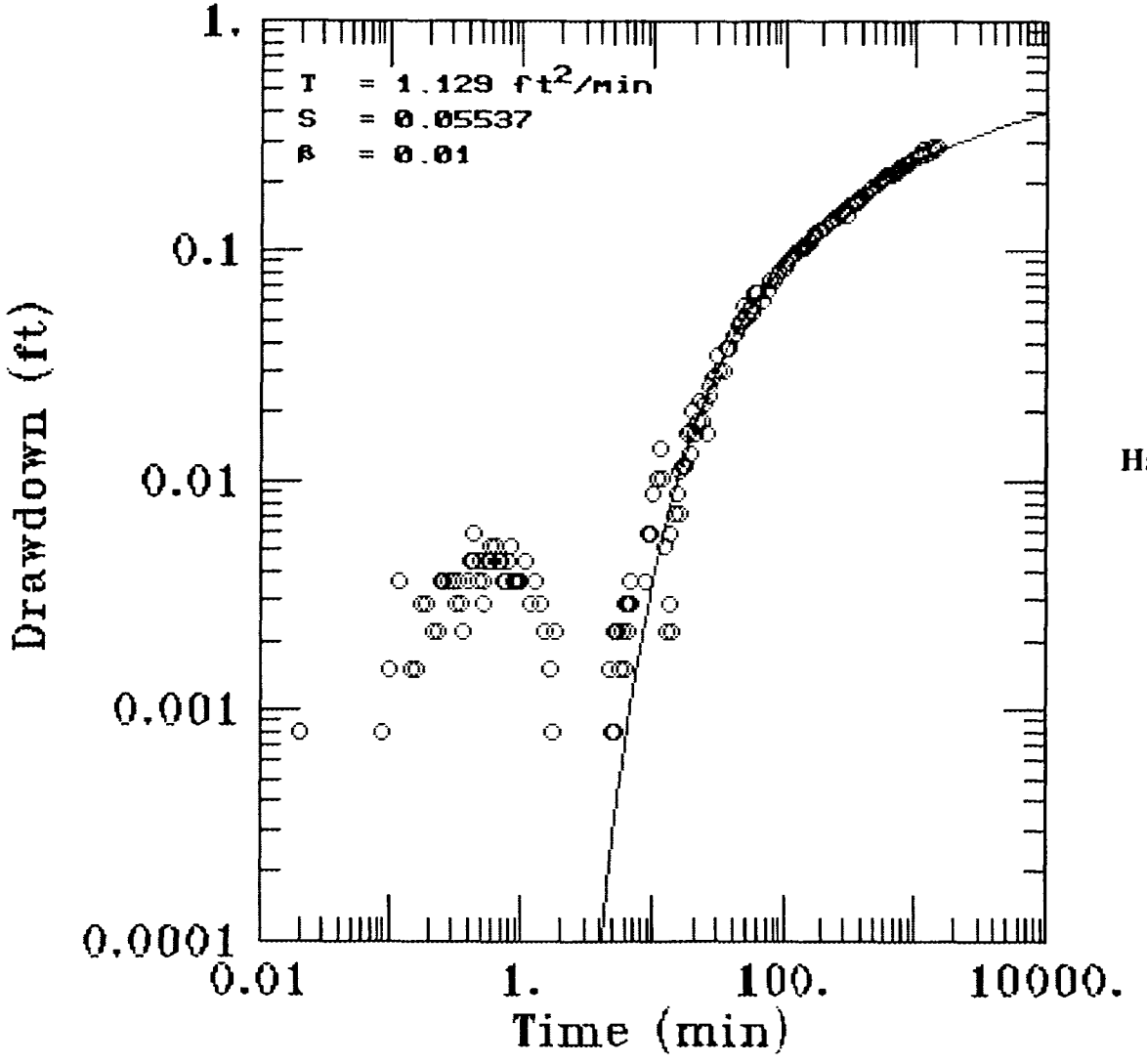
Jacob

PUMP TEST 1; PUMP PHASE, PIEZOMETER P-5



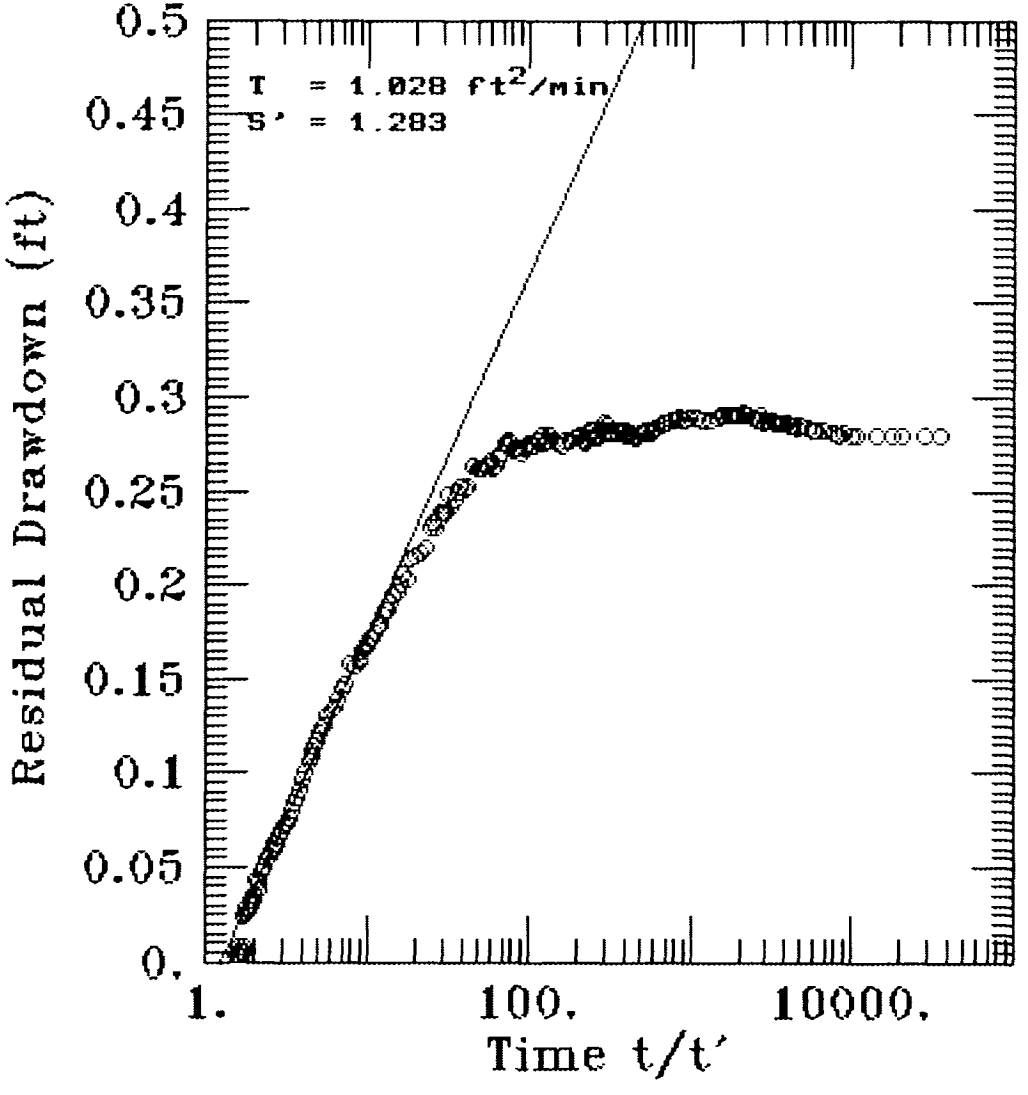
Theis

PUMP TEST 1; PUMP PHASE, PIEZOMETER P-5



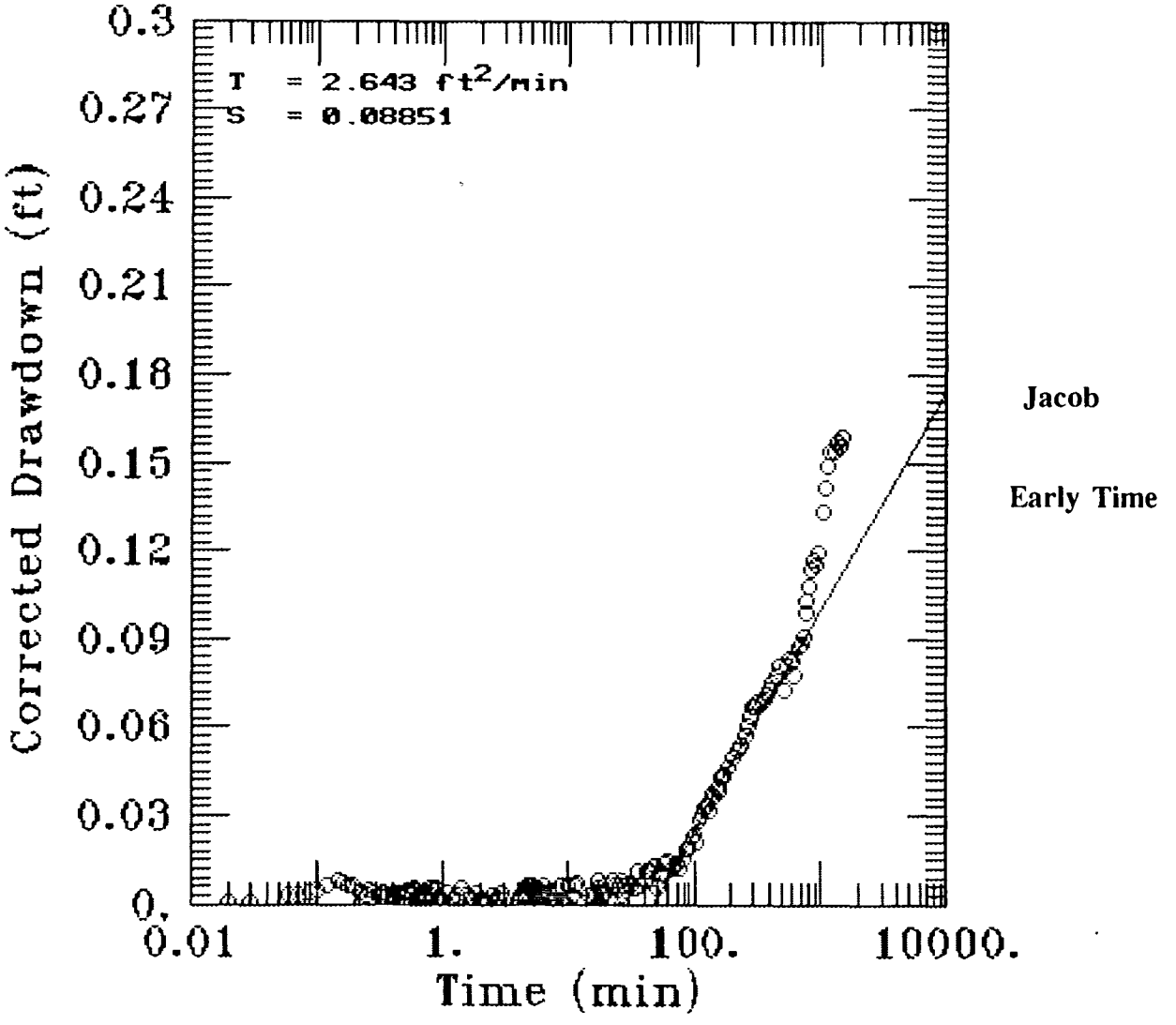
Hantush

PUMP TEST 1; RECOVERY, PIEZOMETER P-5

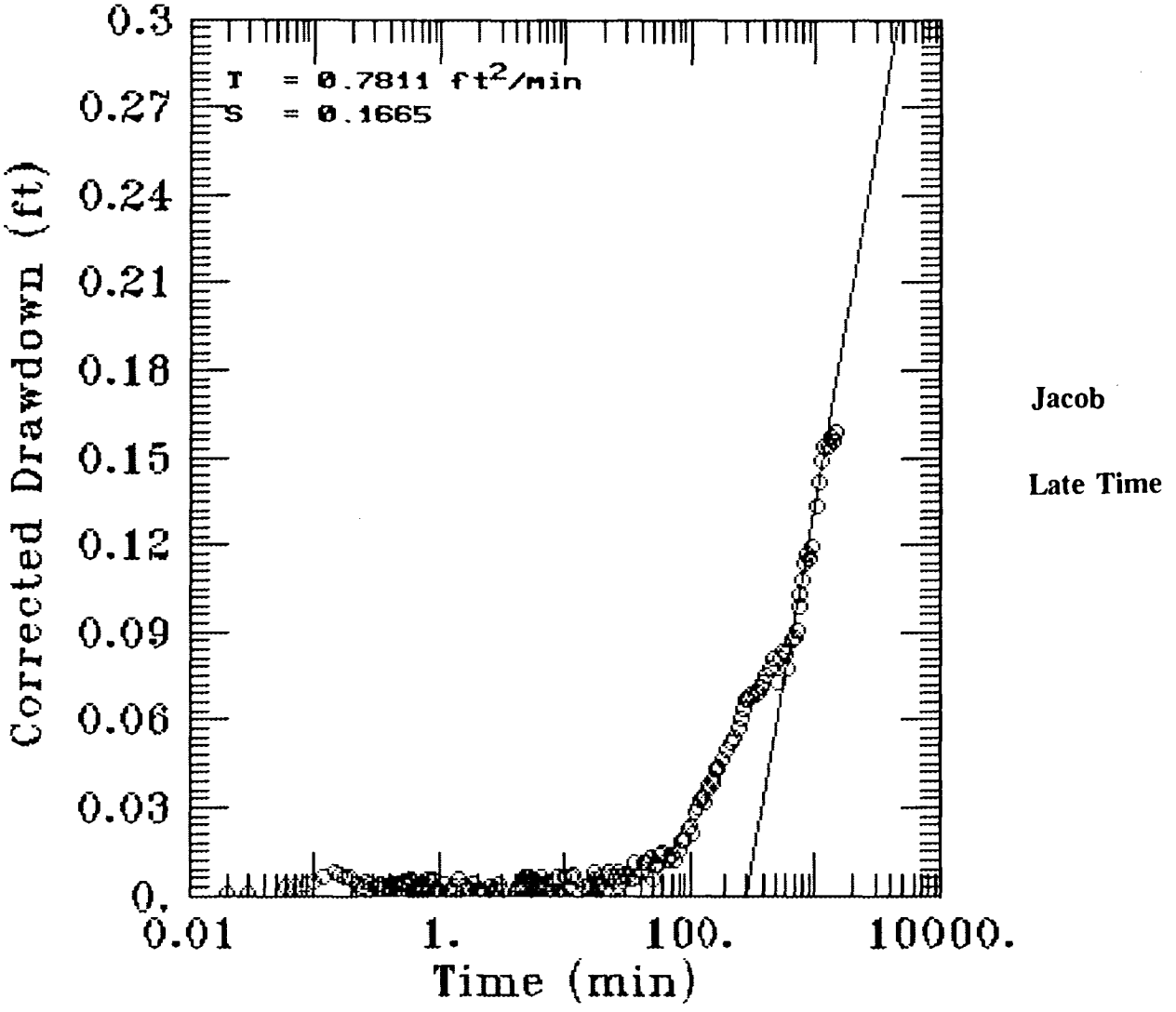


Theis

PUMP TEST 1; PUMP PHASE, WELL W9-31(A1)



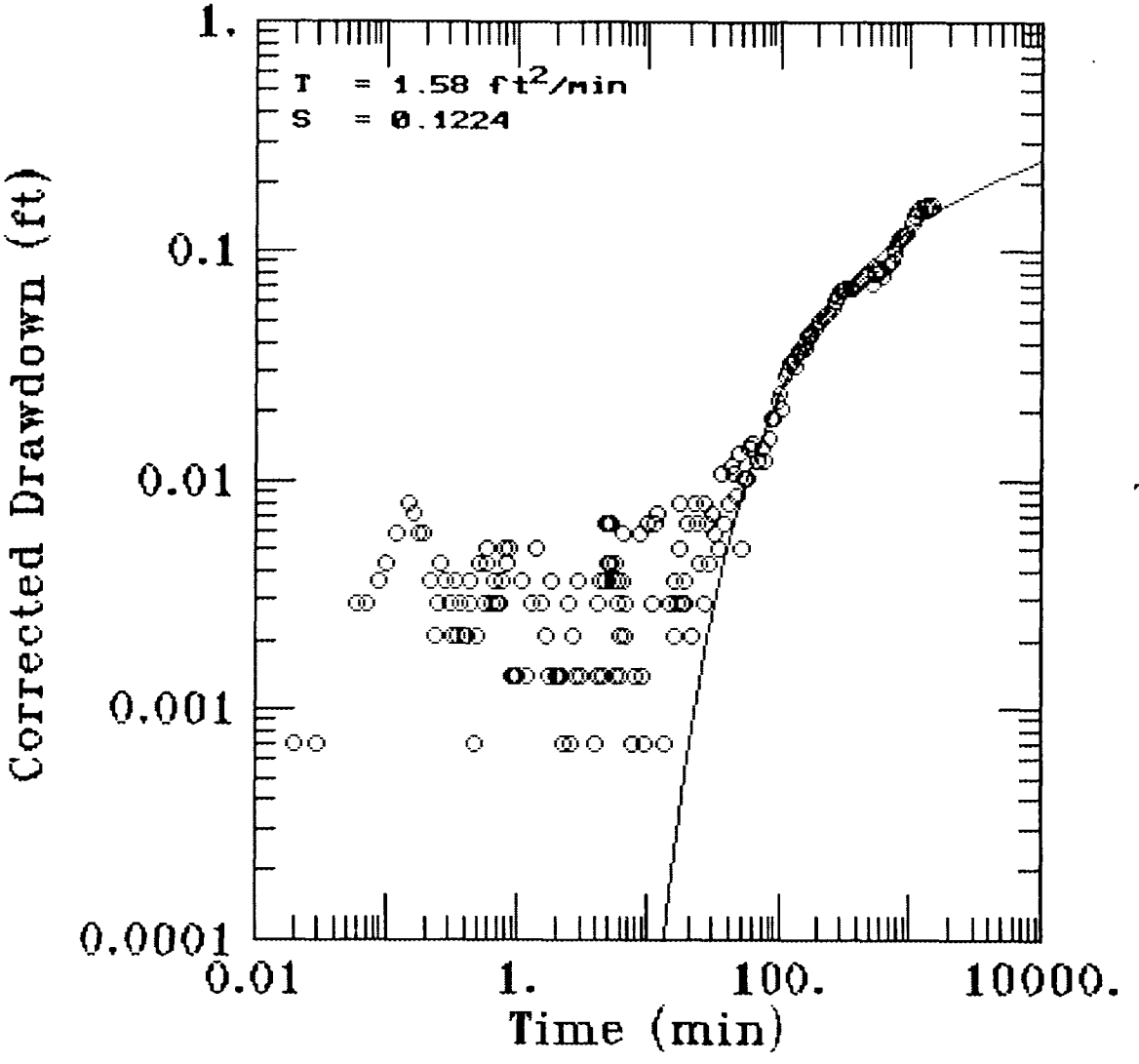
PUMP TEST 1; PUMP PHASE, WELL W9-31(A1)



Jacob

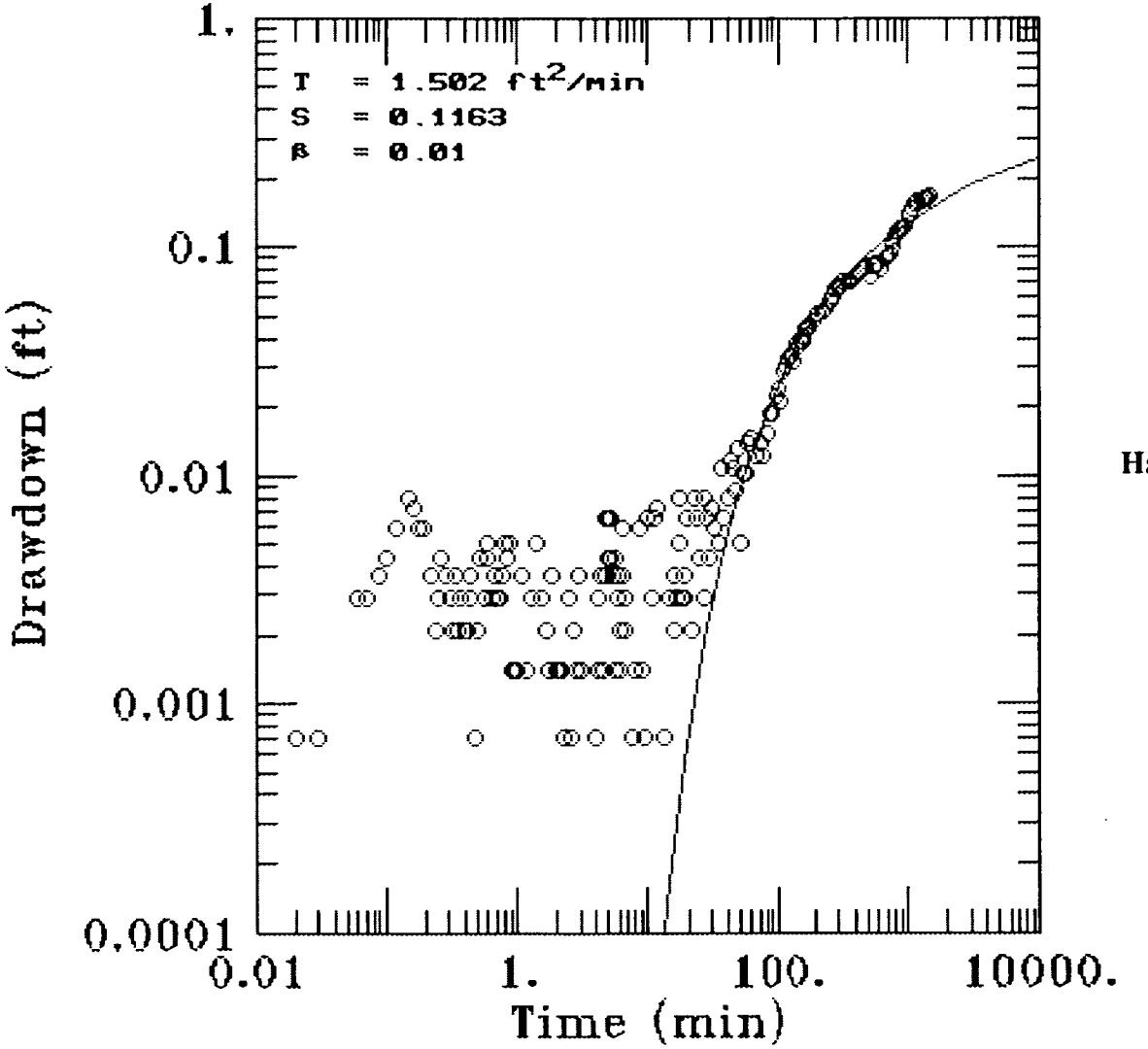
Late Time

PUMP TEST 1; PUMP PHASE, WELL W9-31(A1)



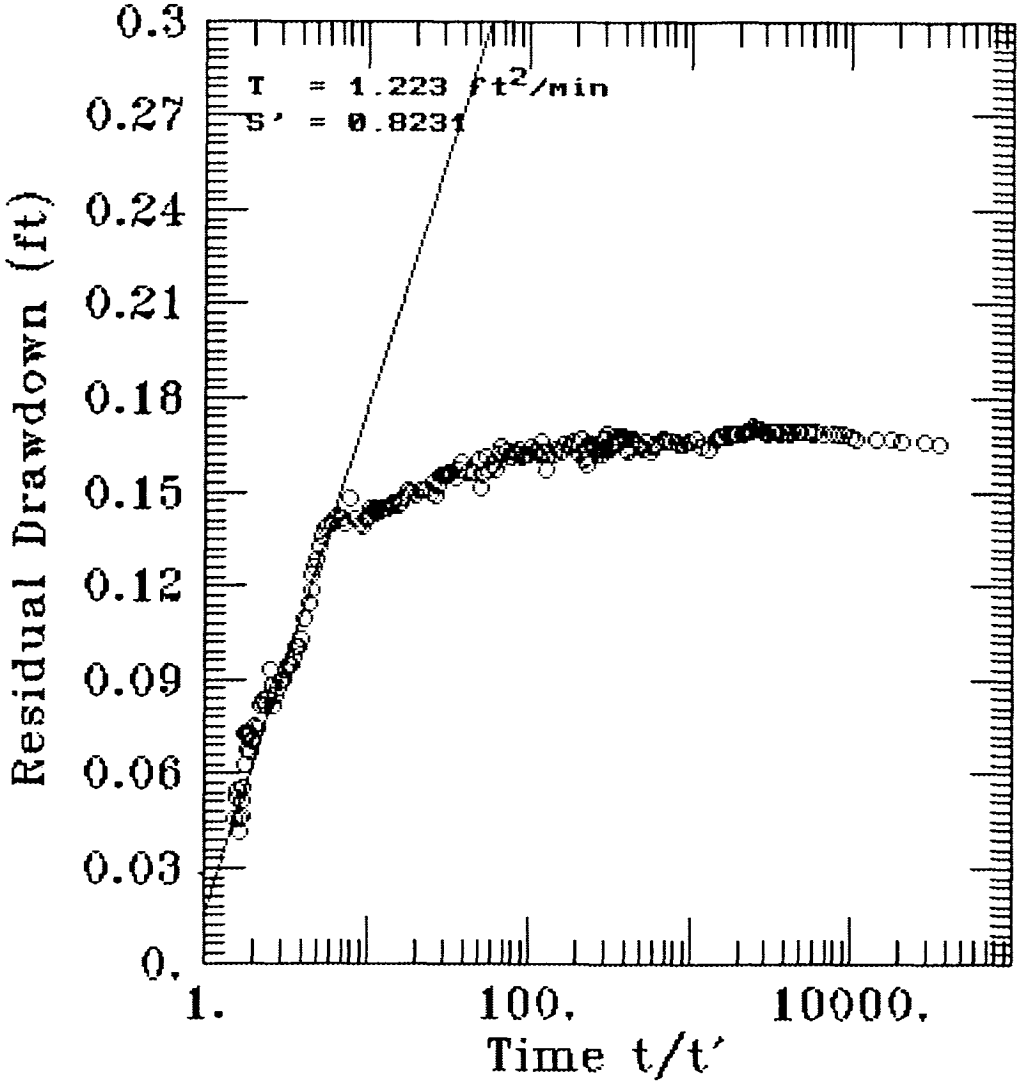
Theis

PUMP TEST 1; PUMP PHASE, WELL W9-31(A1)



Hantush

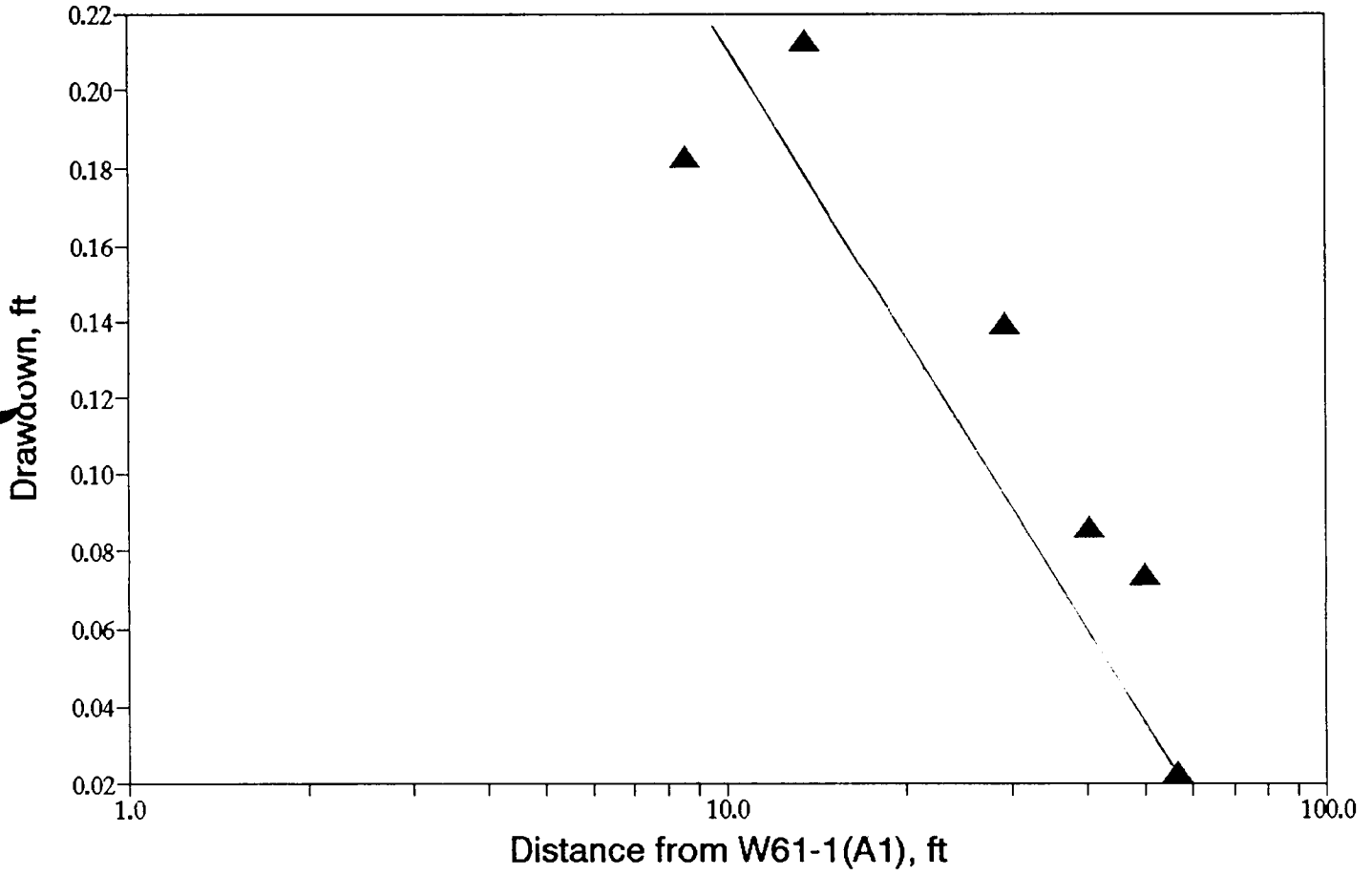
PUMP TEST 1; RECOVERY, WELL W9-31(A1)



Theis

AQUIFER TEST 1

Distance vs. Drawdown

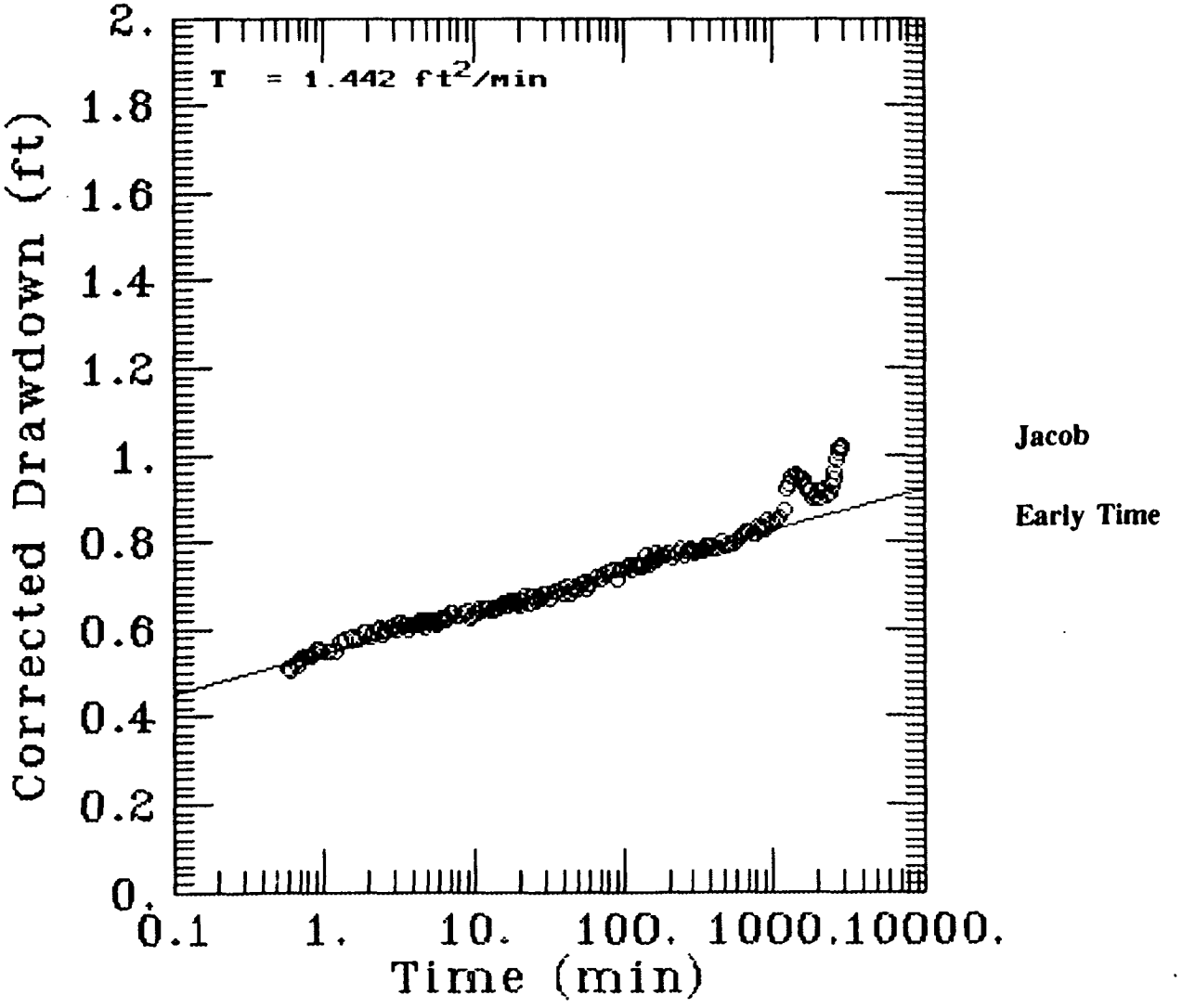


c:/qpro/aqifl-2.wql/dah

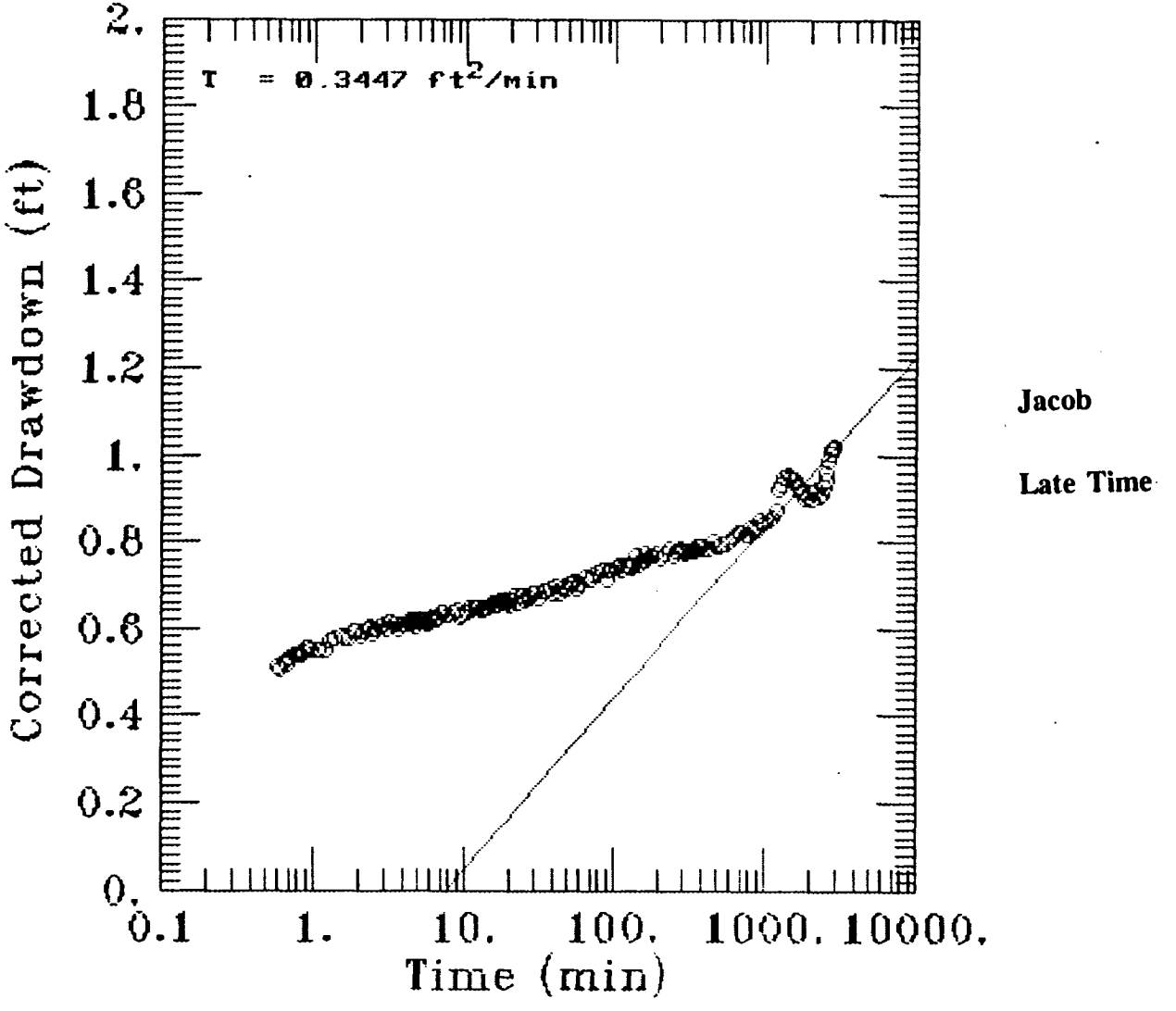
AQUIFER PUMPING TEST 2

GRAPHS

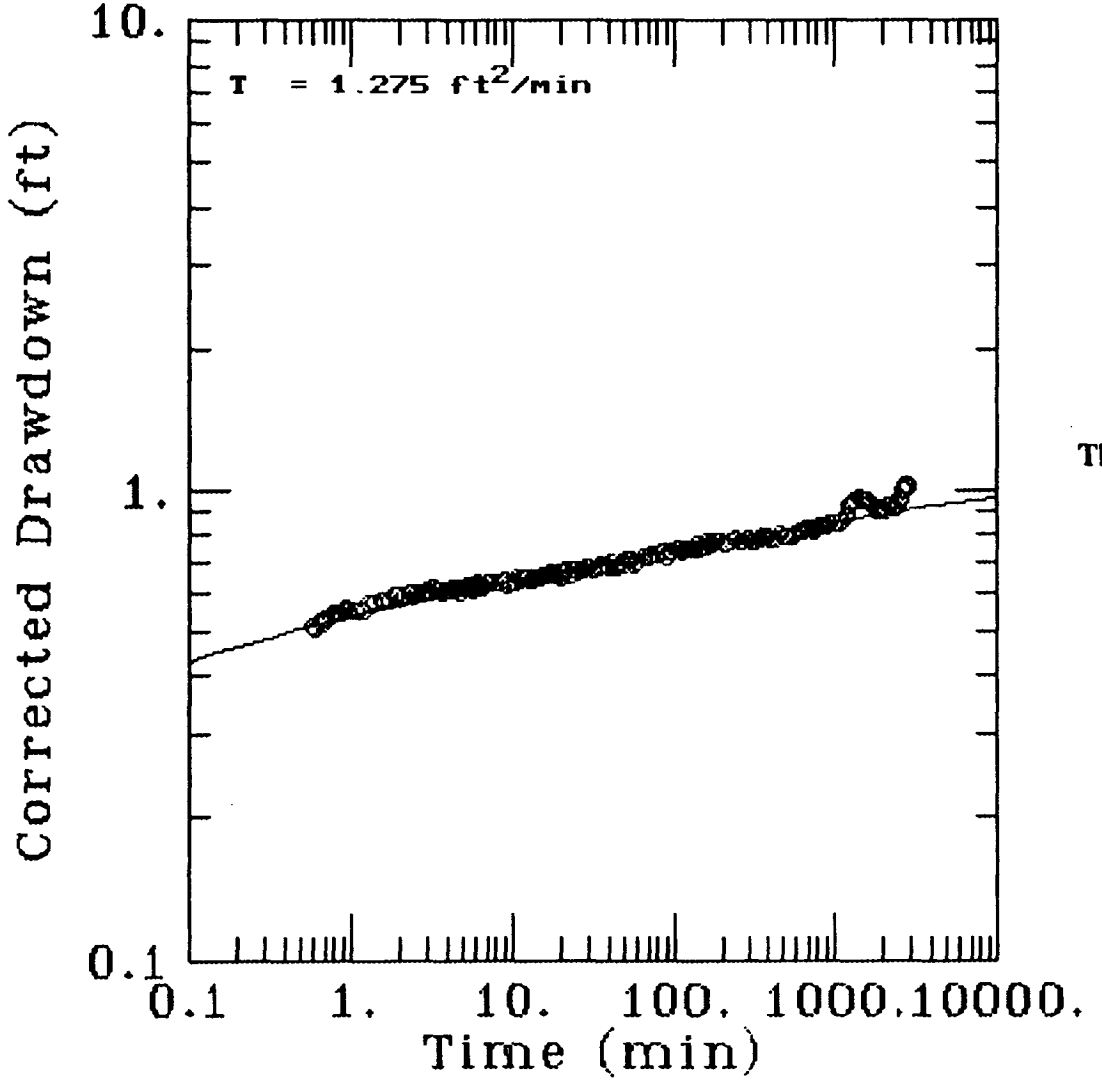
PUMP TEST 2; PUMP PHASE, WELL W61-1(A1)



PUMP TEST 2; PUMP PHASE, WELL W61-1(A1)

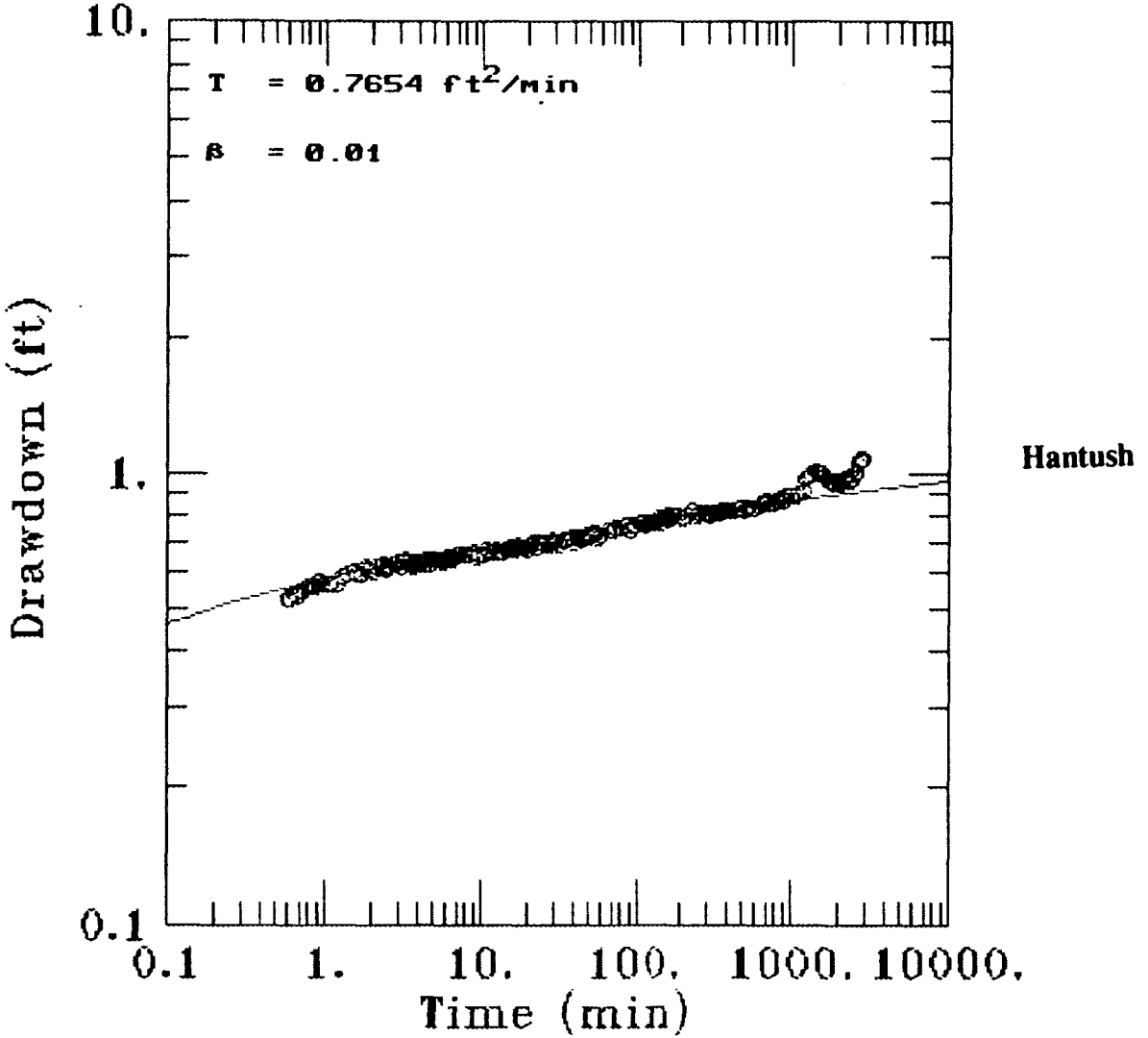


PUMP TEST 2; PUMP PHASE, WELL W61-1(A1)



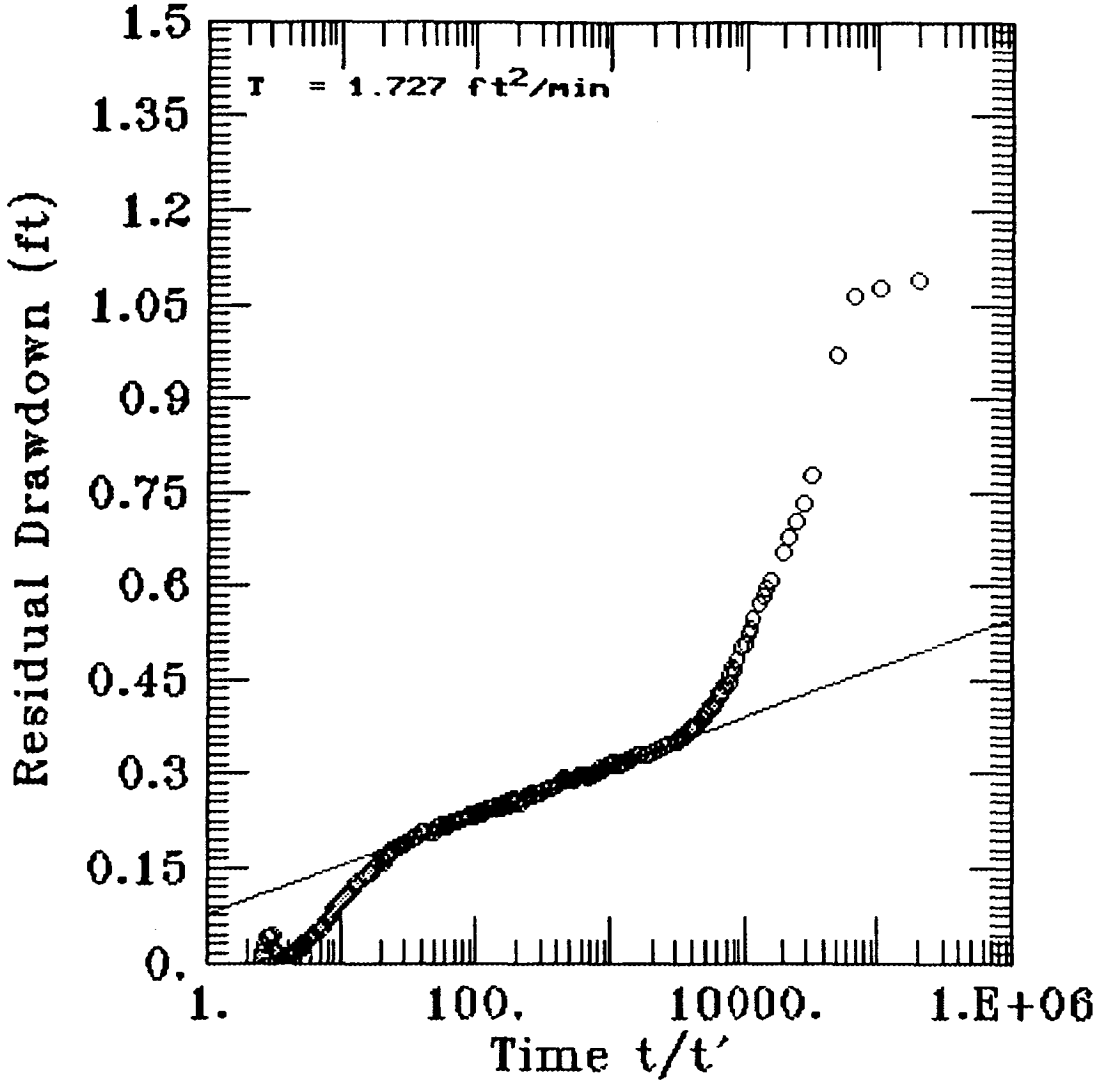
Theis

PUMP TEST 2; PUMP PHASE, WELL W61-1(A1)



Hantush

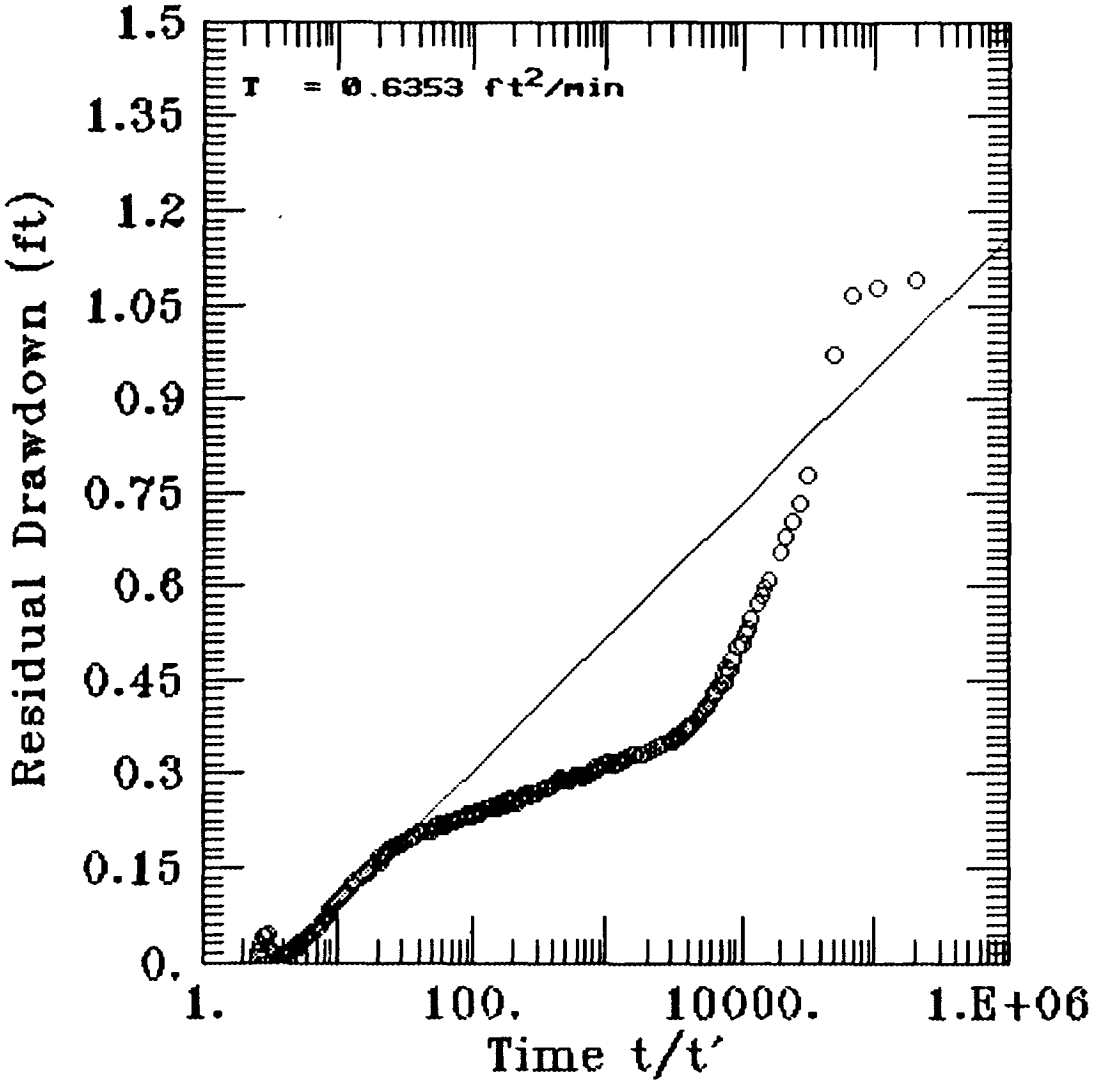
PUMP TEST 2; RECOVERY, WELL W61-1(A1)



Theis

Early Time

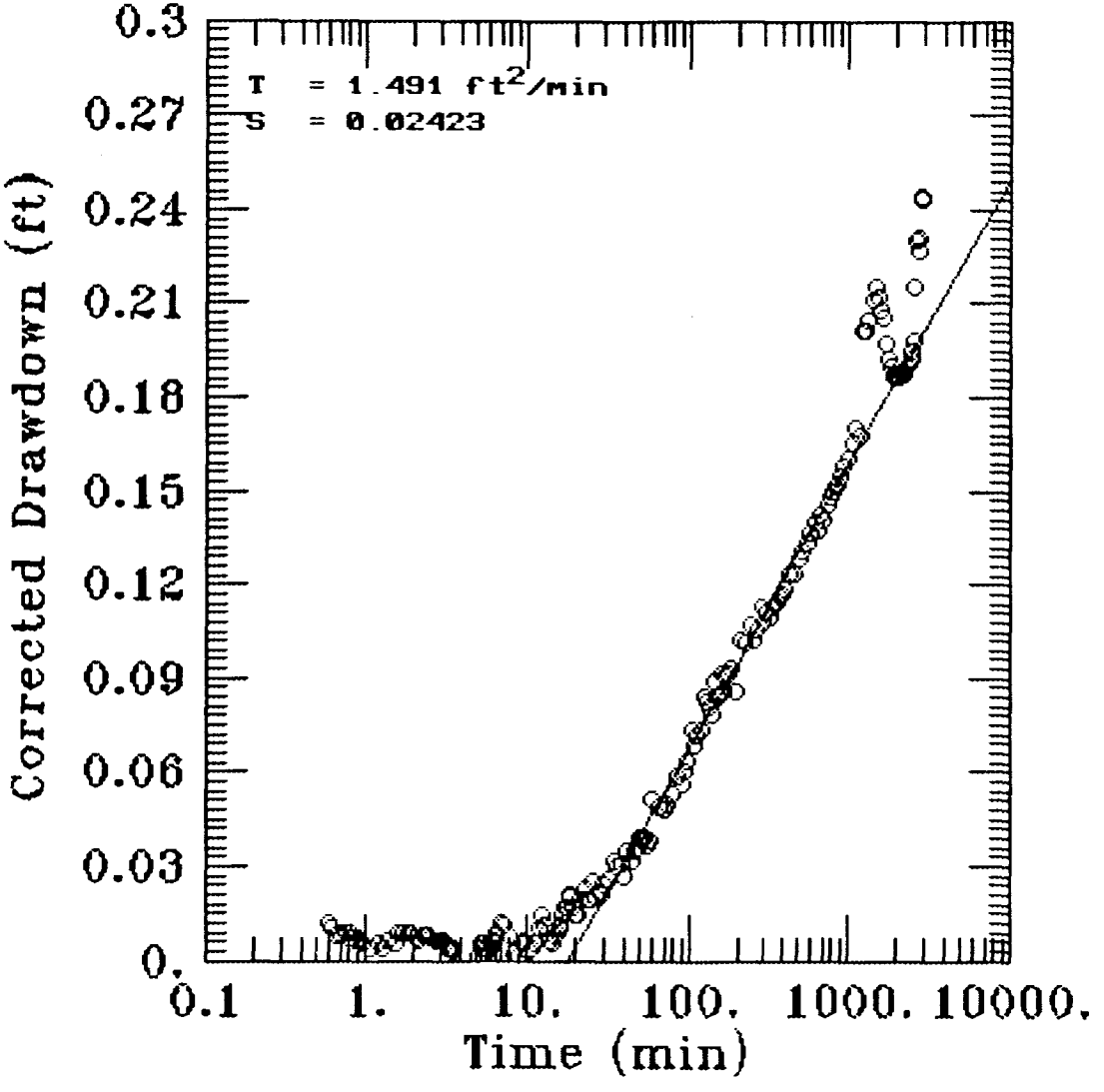
PUMP TEST 2; RECOVERY, WELL W61-1(A1)



Theis

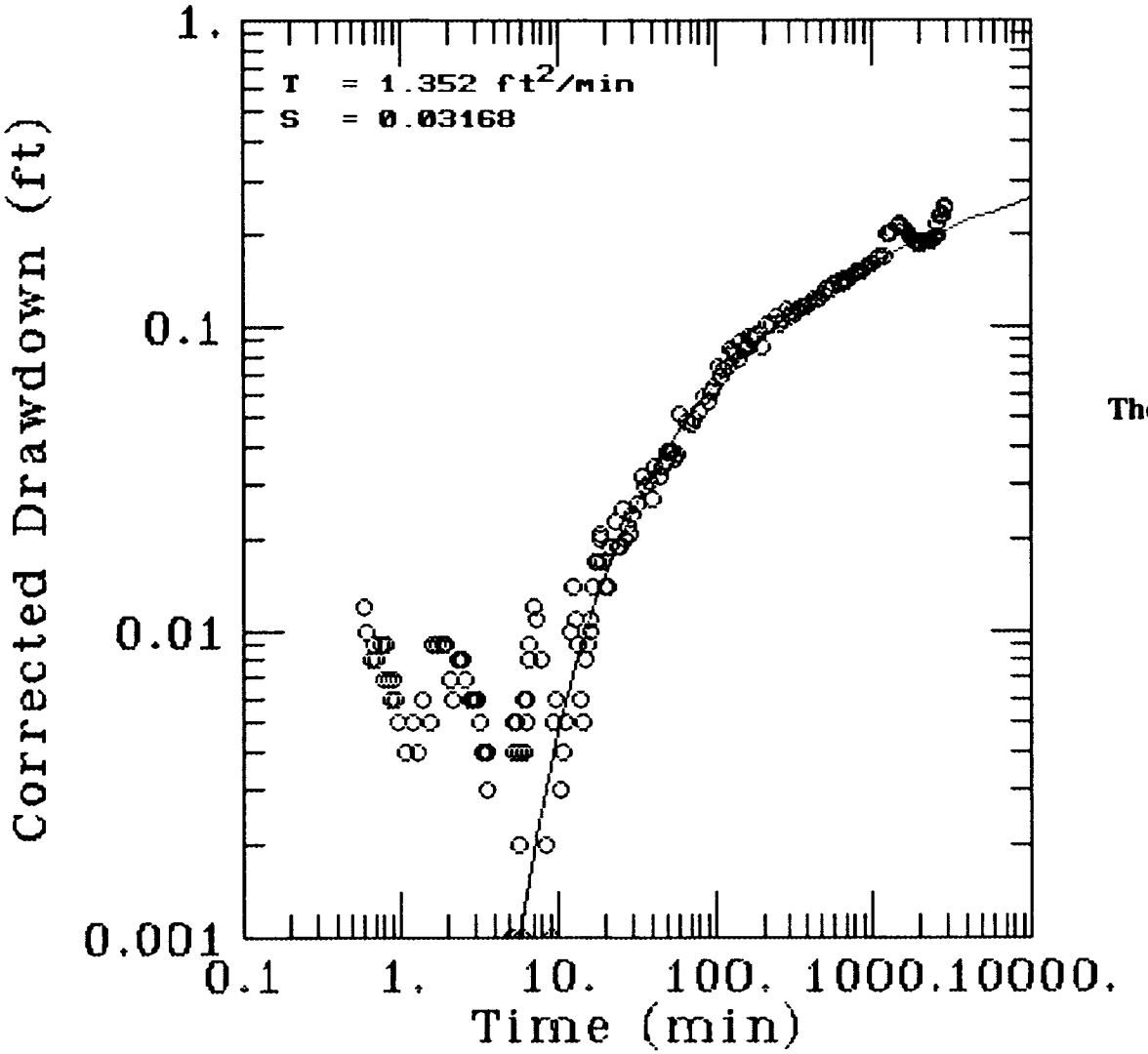
Late Time

PUMP TEST 2; PUMP PHASE, PIEZOMETER P-1



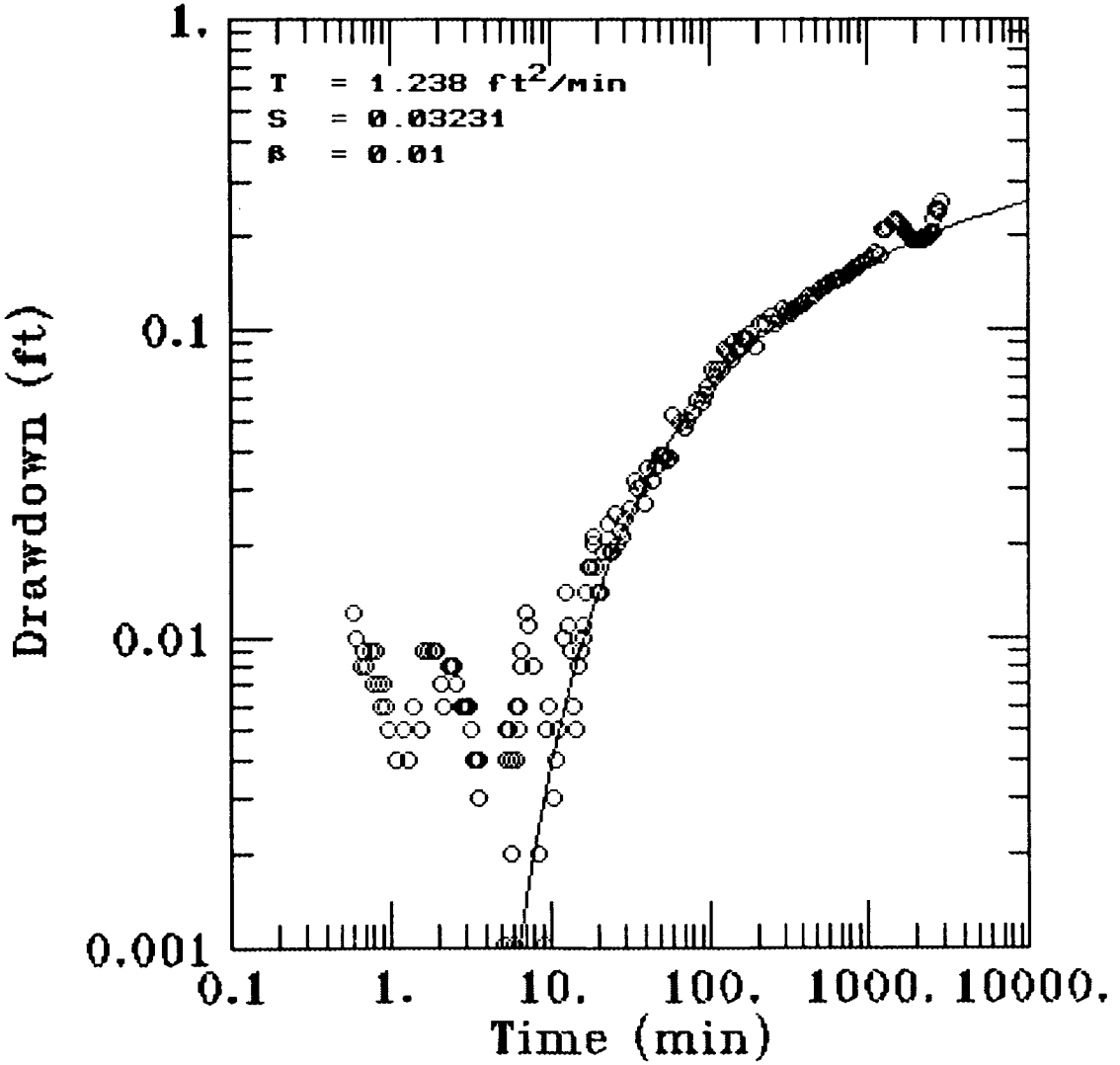
Jacob

PUMP TEST 2; PUMP PHASE, PIEZOMETER P-1



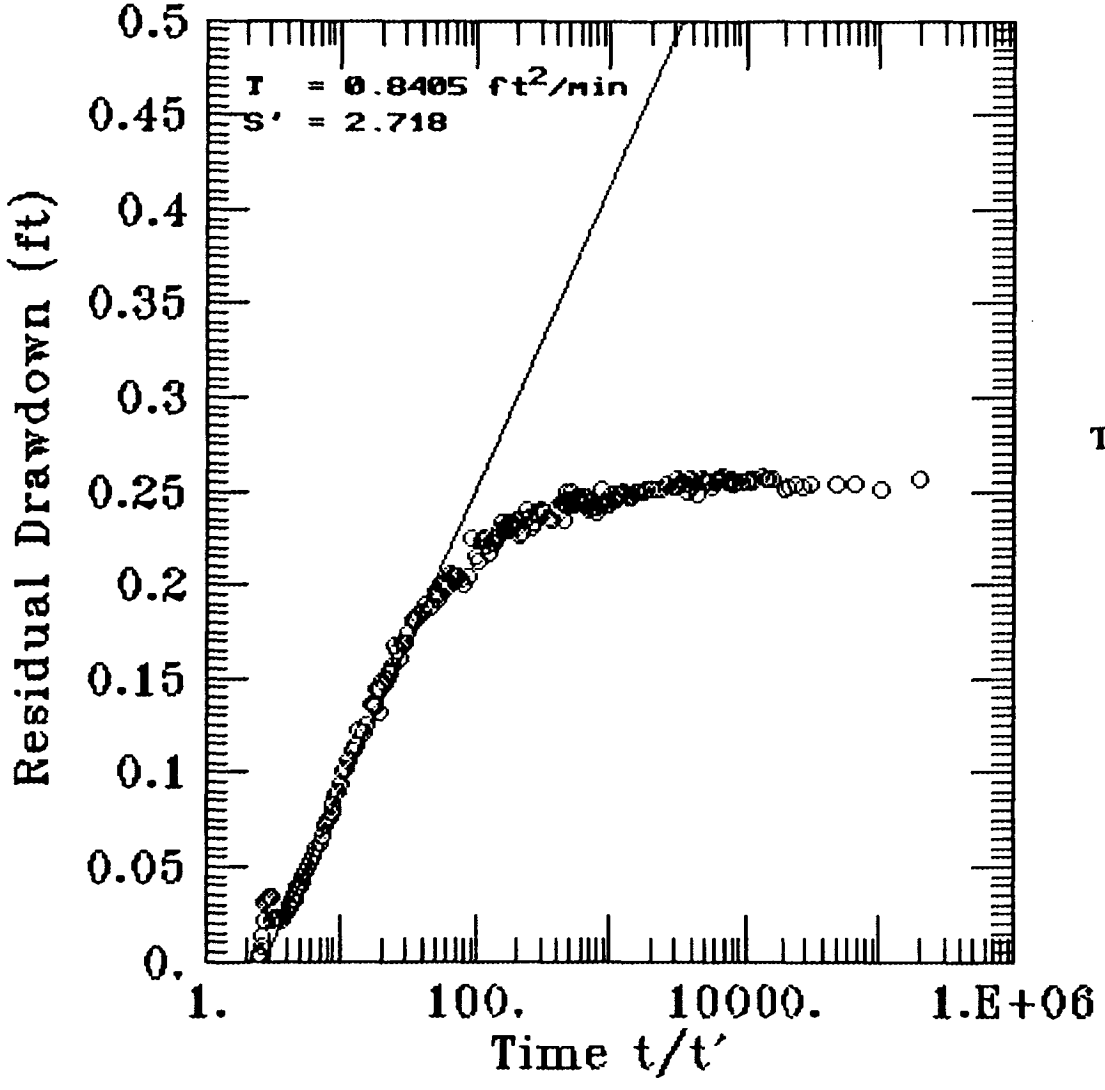
Theis

PUMP TEST 2; PUMP PHASE, PIEZOMETER P-1



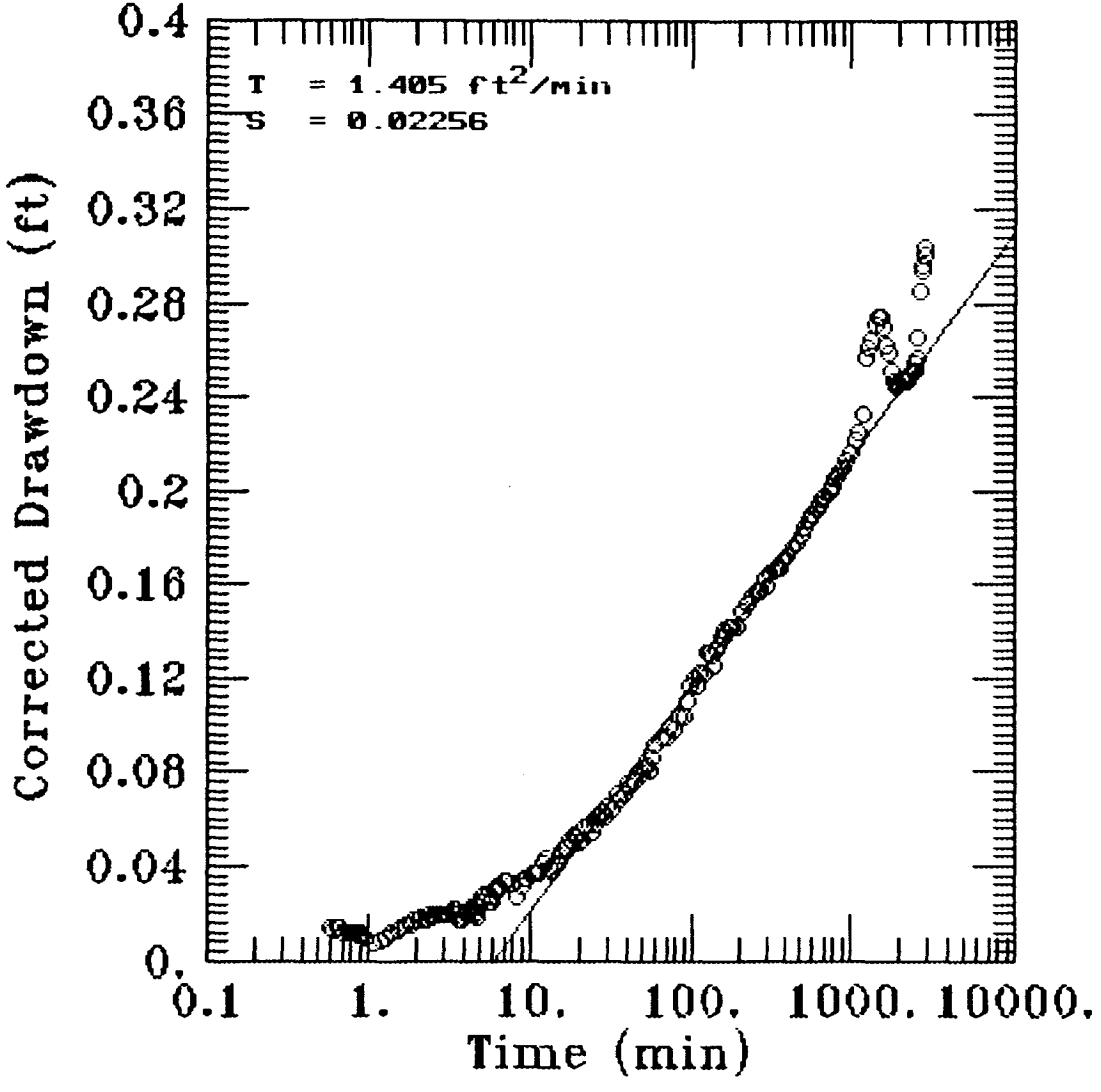
Hantush

PUMP TEST 2; RECOVERY, PIEZOMETER P-1



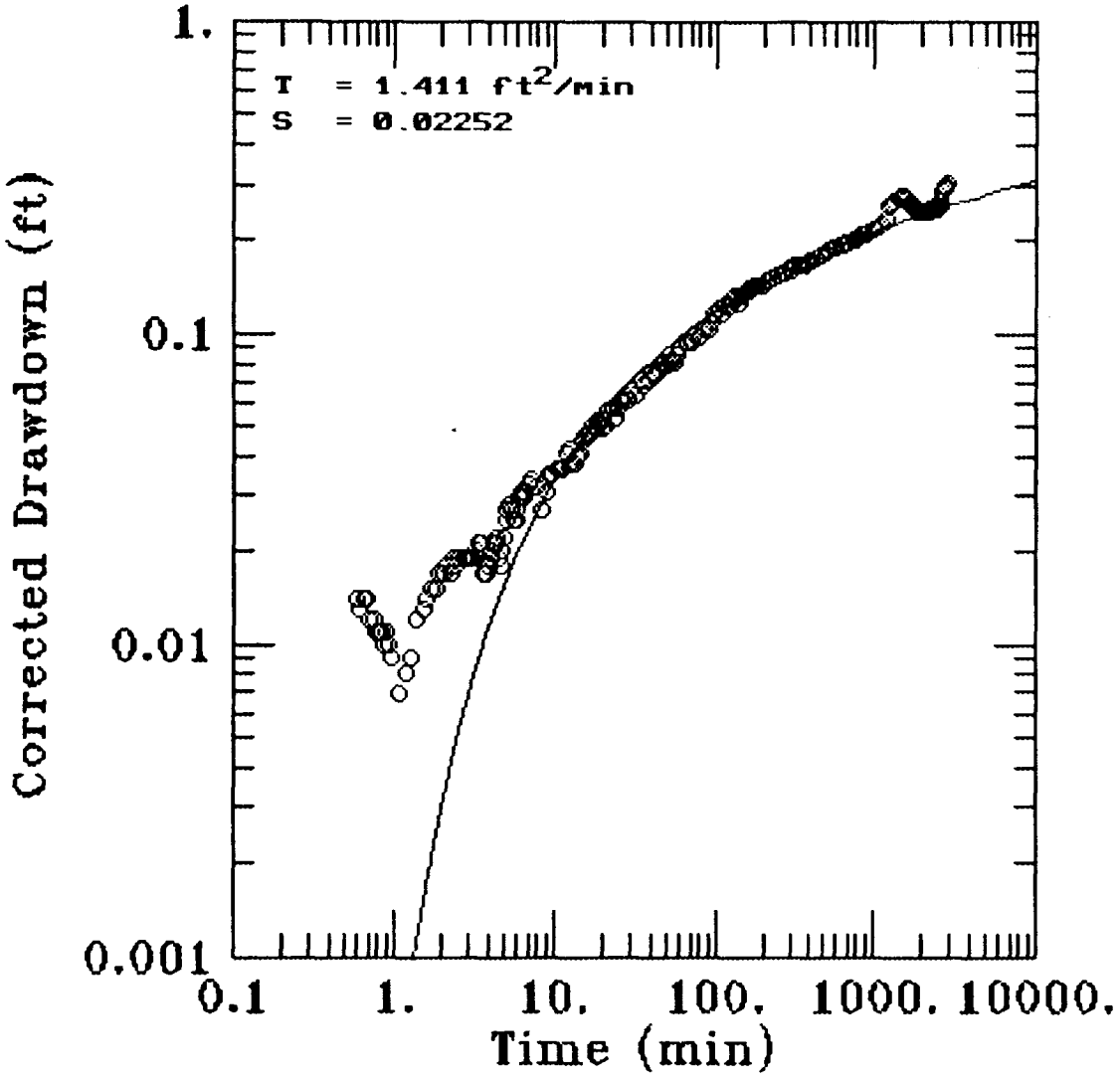
Theis

PUMP TEST 2; PUMP PHASE, PIEZOMETER P-2



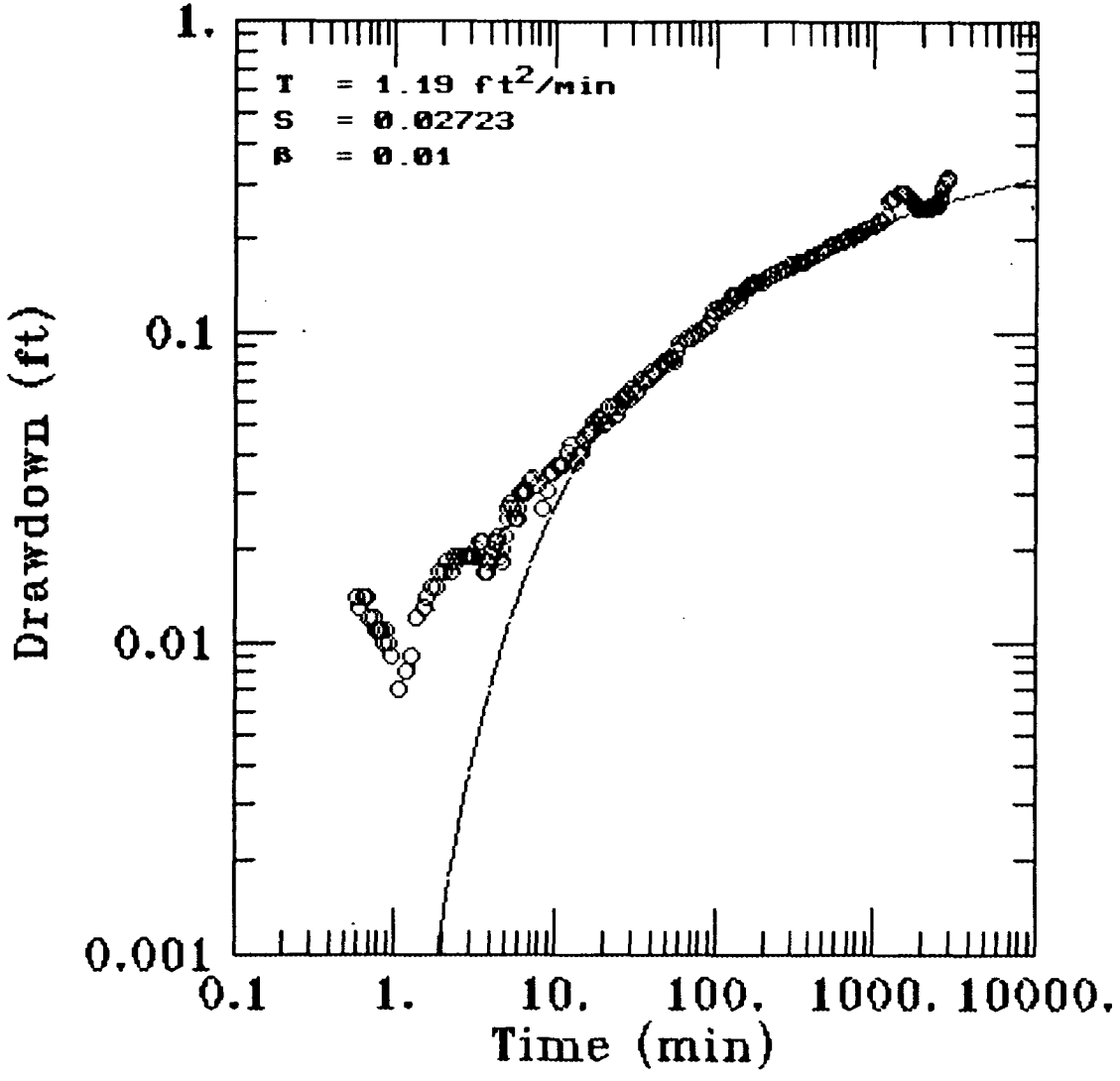
Jacob

PUMP TEST 2; PUMP PHASE, PIEZOMETER P-2



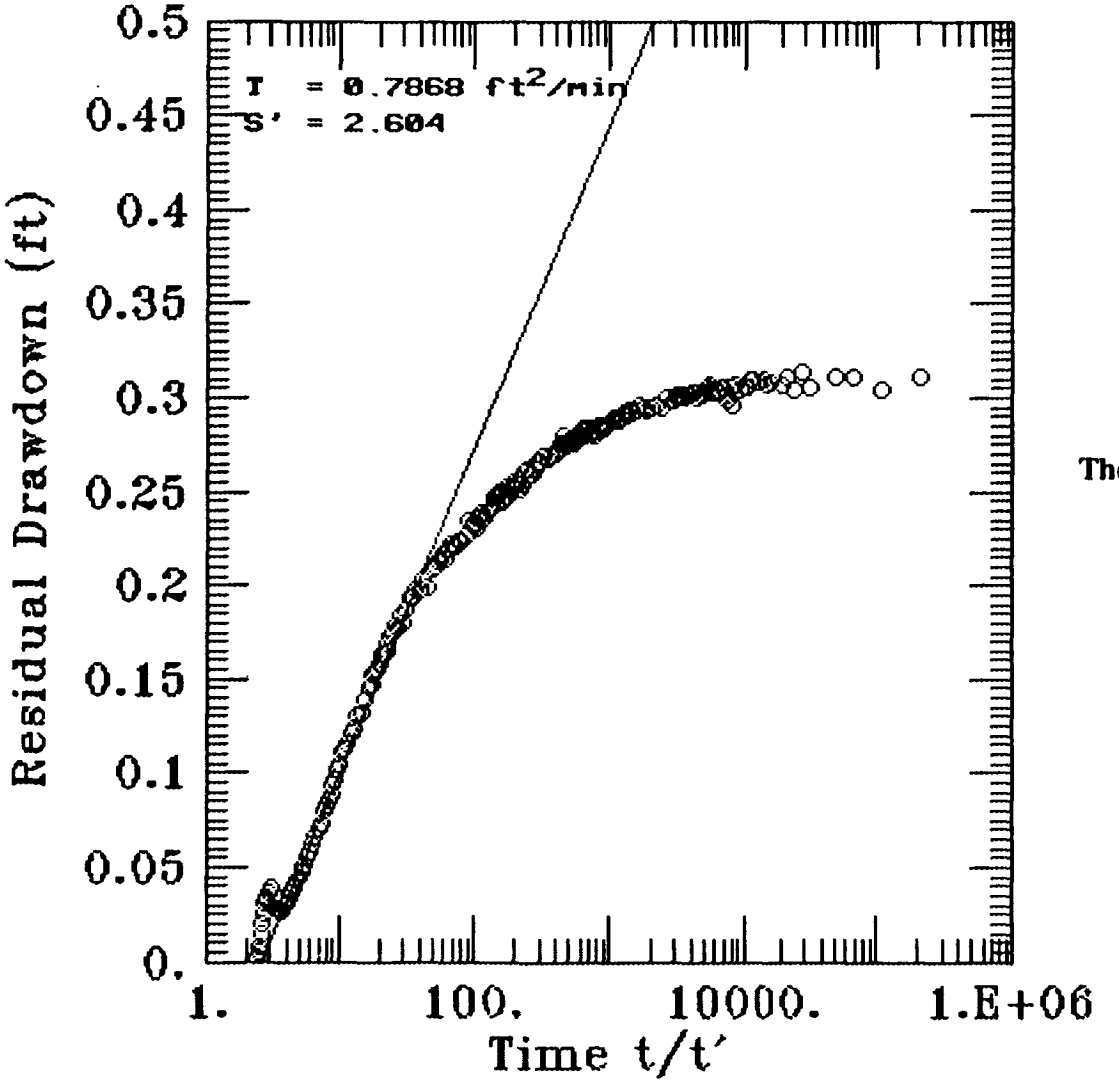
Theis

PUMP TEST 2; PUMP PHASE, PIEZOMETER P-2



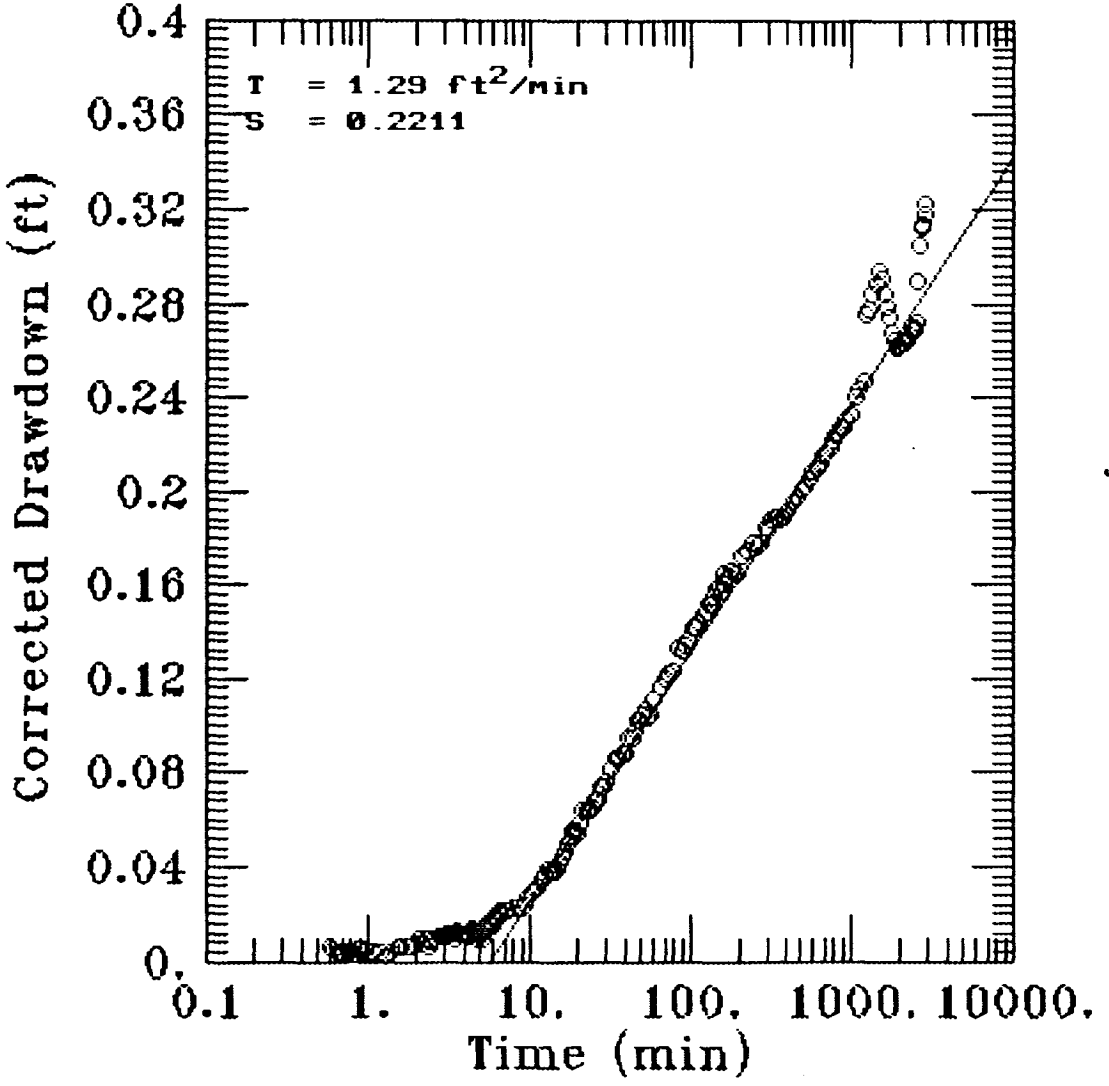
Hantush

PUMP TEST 2; RECOVERY, PIEZOMETER P-2



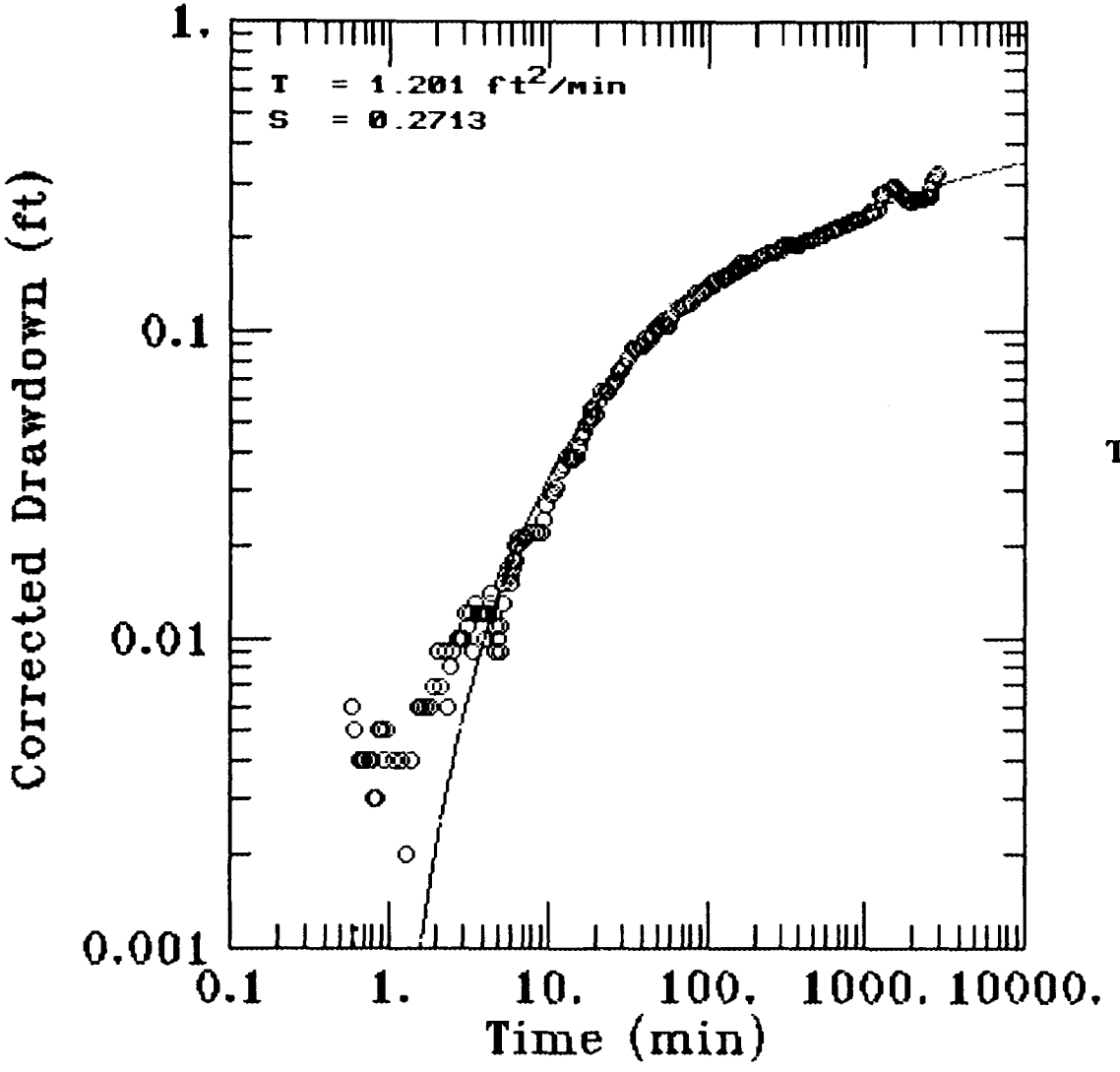
Theis

PUMP TEST 2; PUMP PHASE, PIEZOMETER P-3



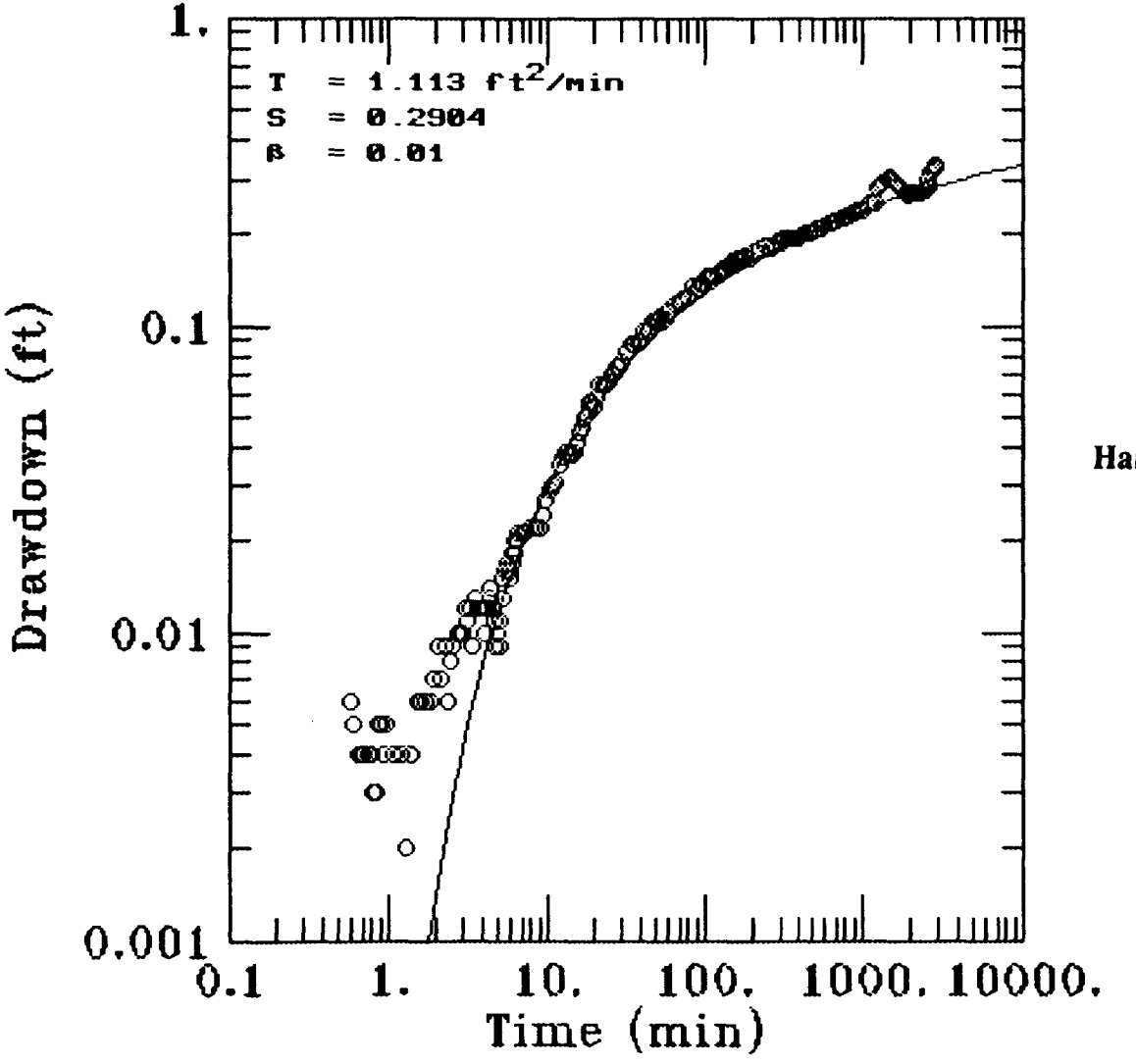
Jacob

PUMP TEST 2; PUMP PHASE, PIEZOMETER P-3



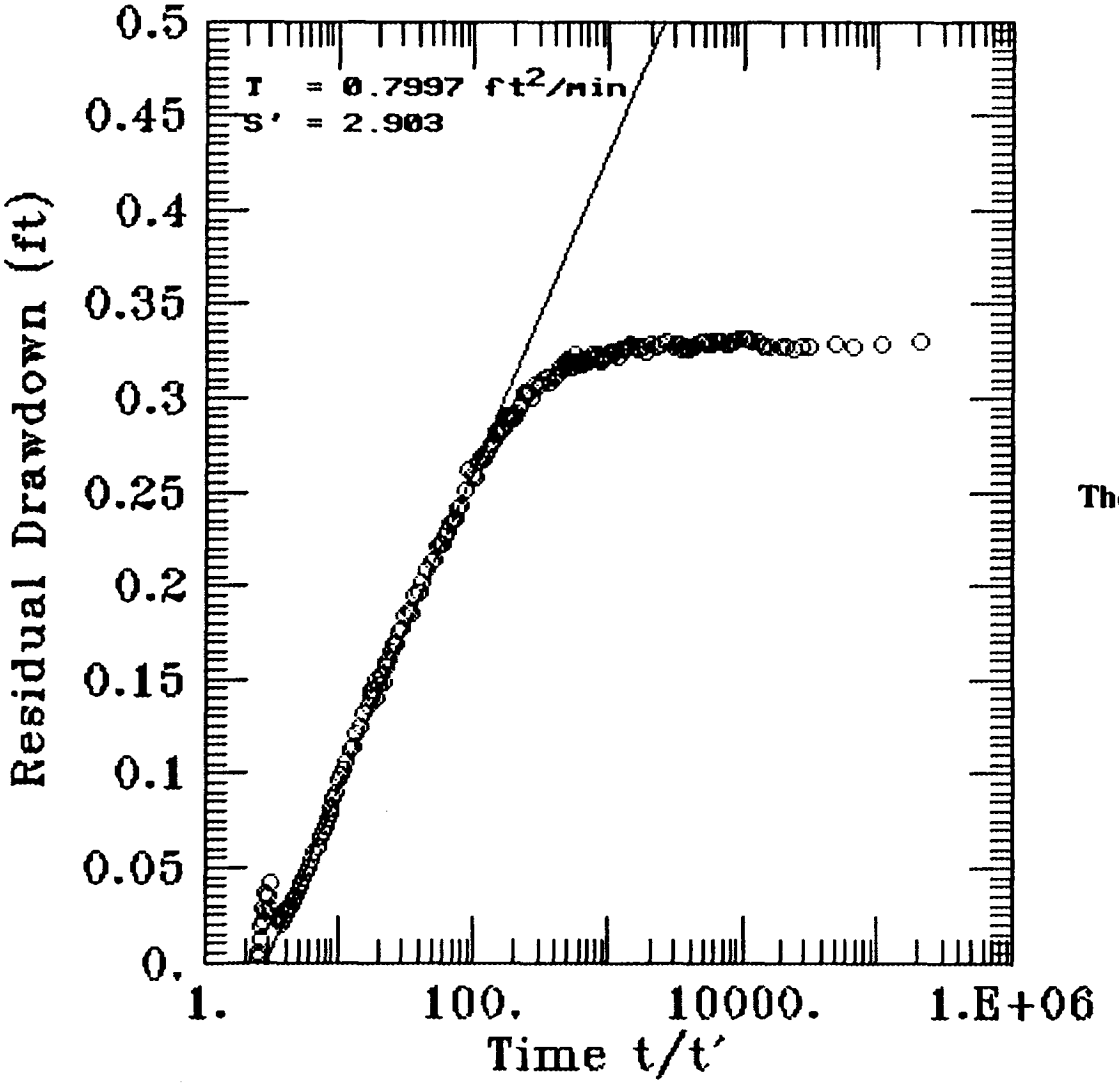
Theis

PUMP TEST 2; PUMP PHASE, PIEZOMETER P-3



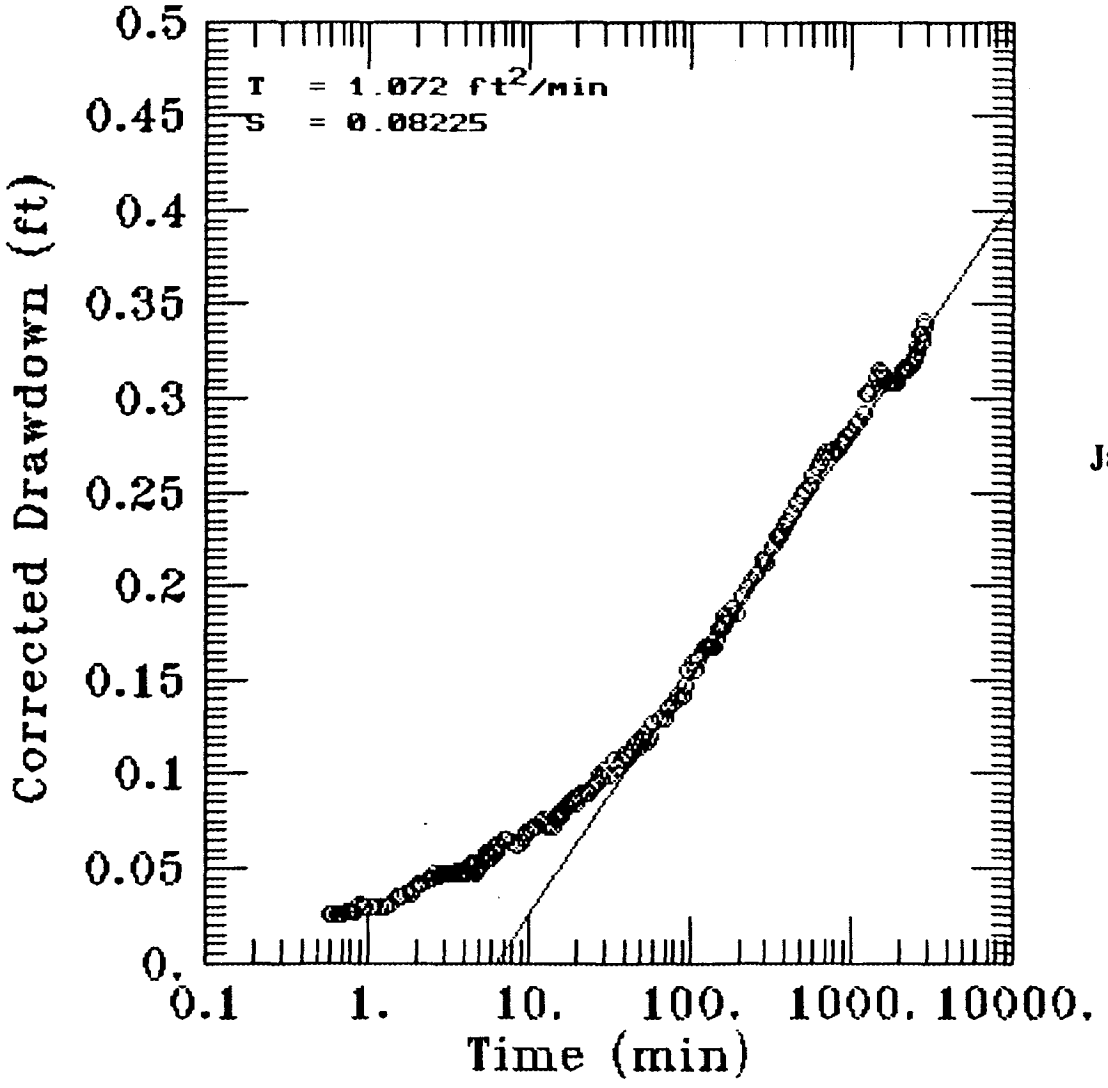
Hantush

PUMP TEST 2; RECOVERY, PIEZOMETER P-3



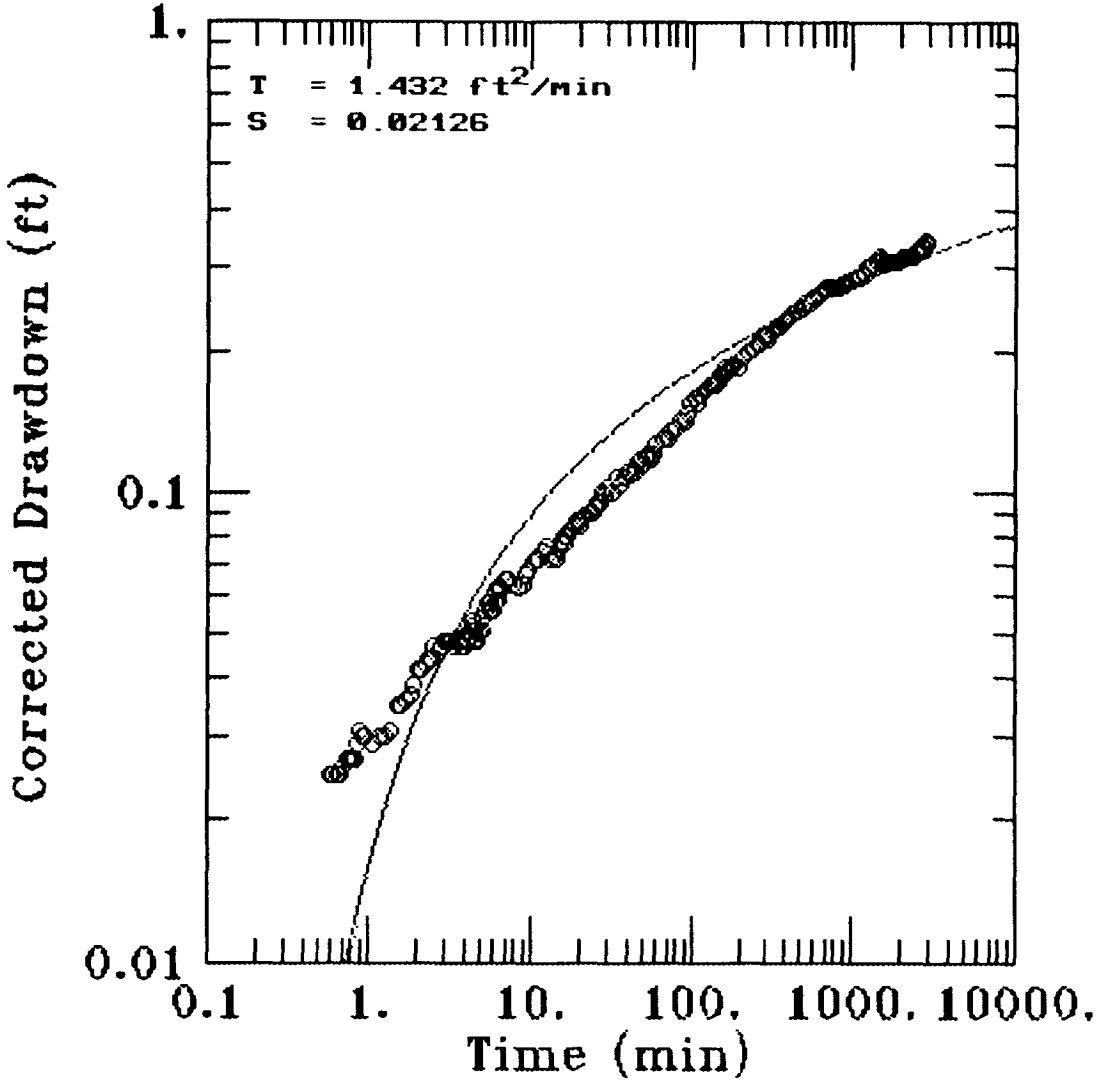
Theis

PUMP TEST 2; PUMP PHASE, PIEZOMETER P-4



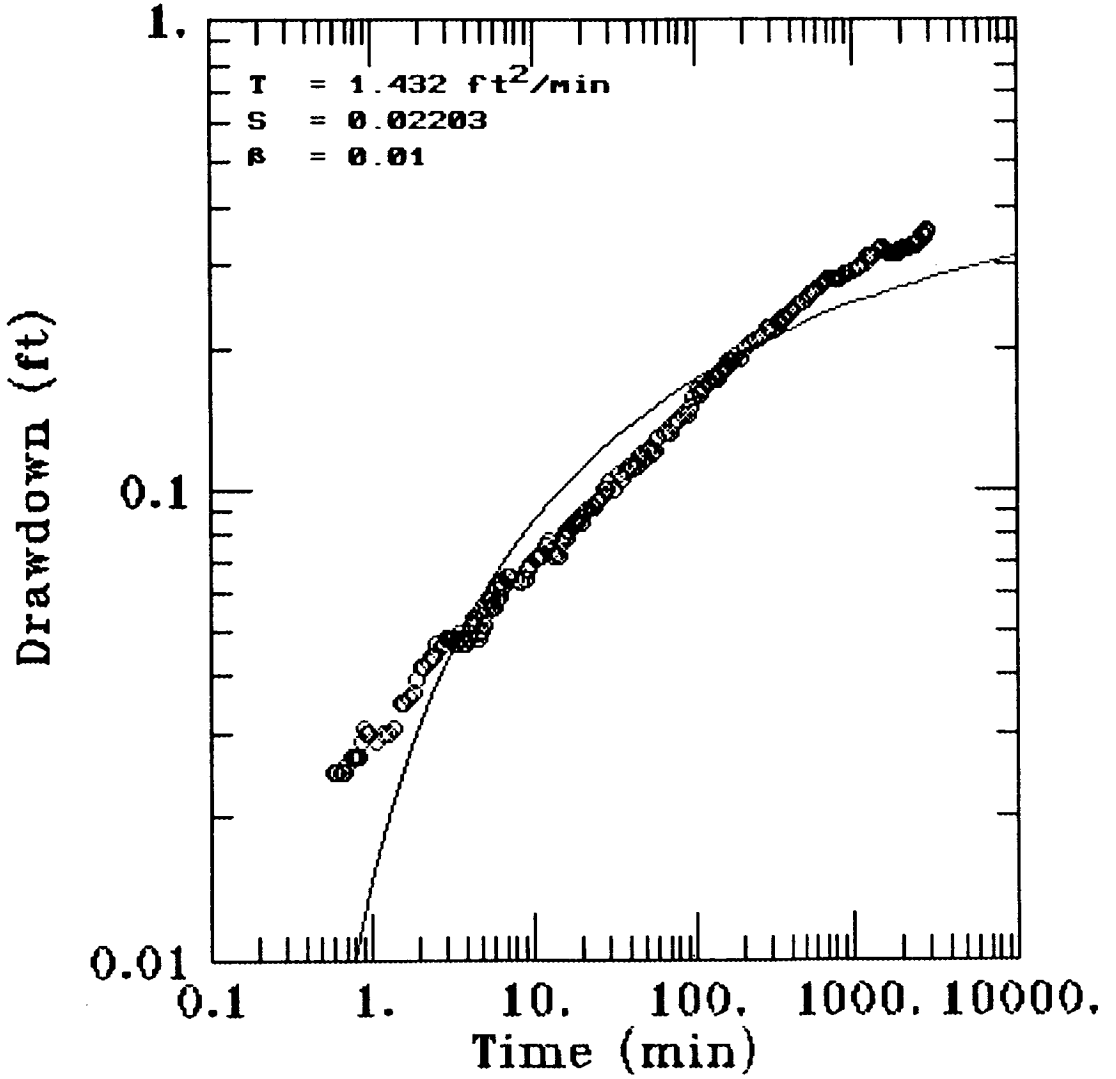
Jacob

PUMP TEST 2; PUMP PHASE, PIEZOMETER P-4



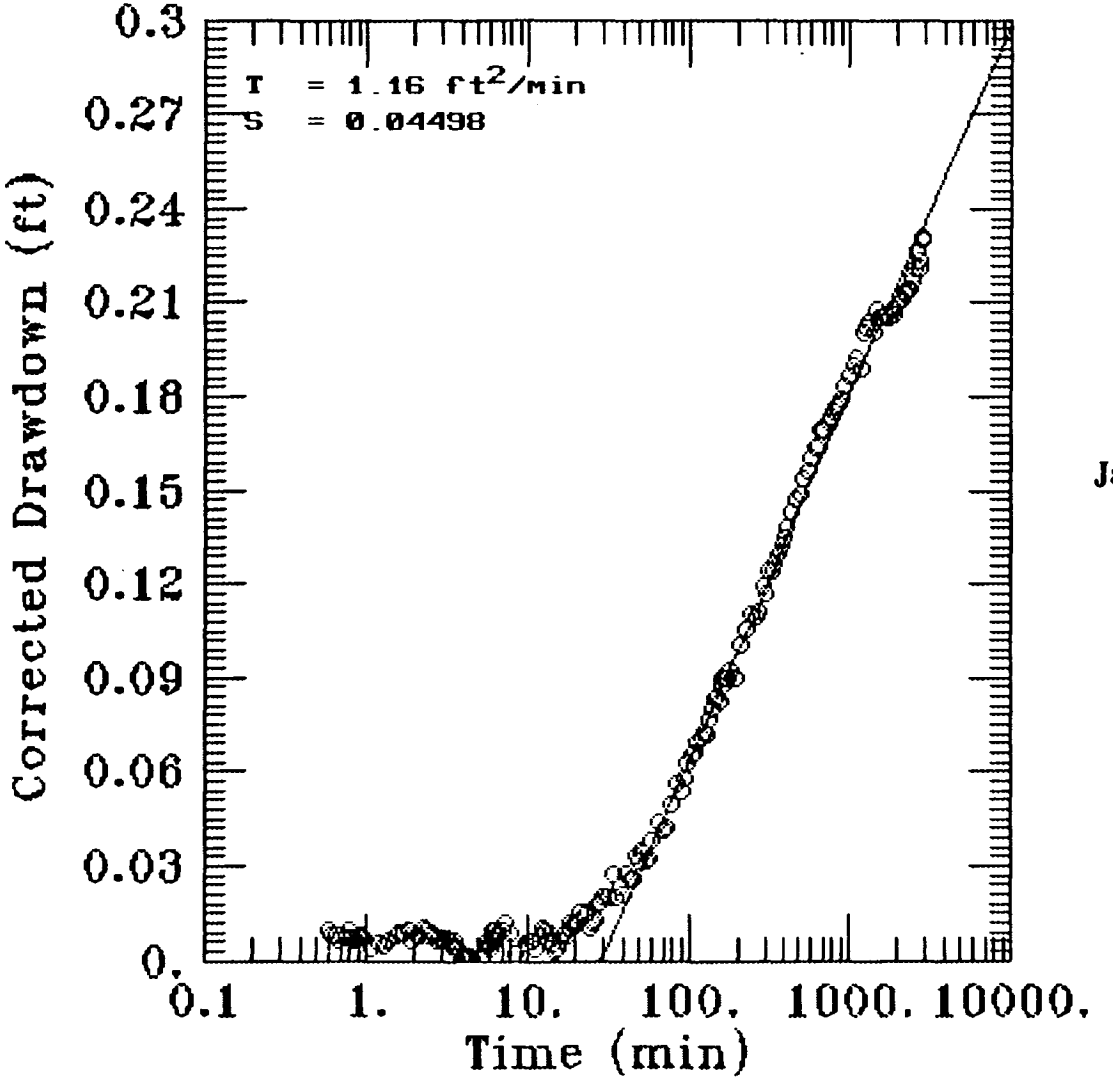
Theis

PUMP TEST 2; PUMP PHASE, PIEZOMETER P-4



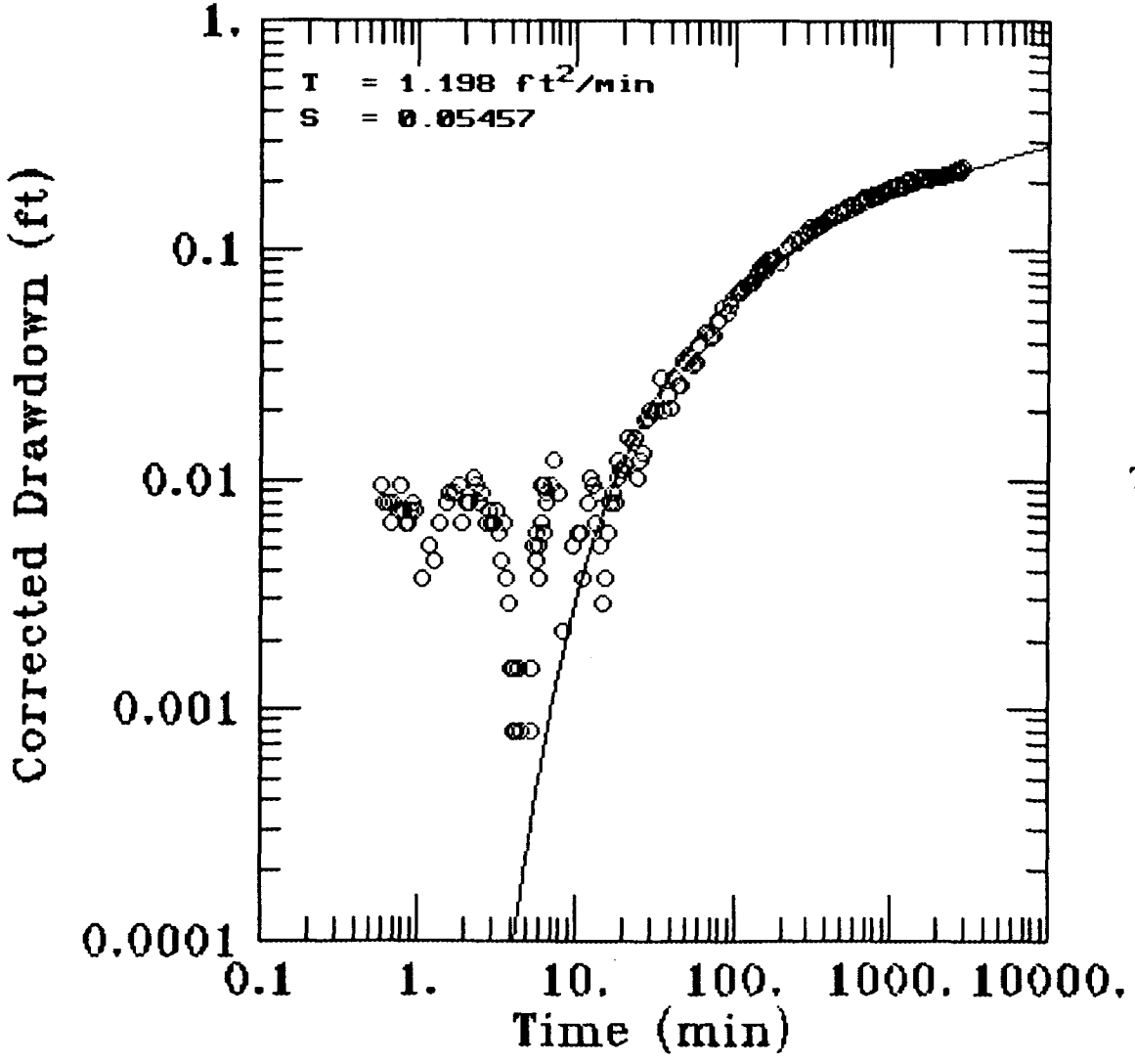
Hantush

PUMP TEST 2; PUMP PHASE, PIEZOMETER P-5



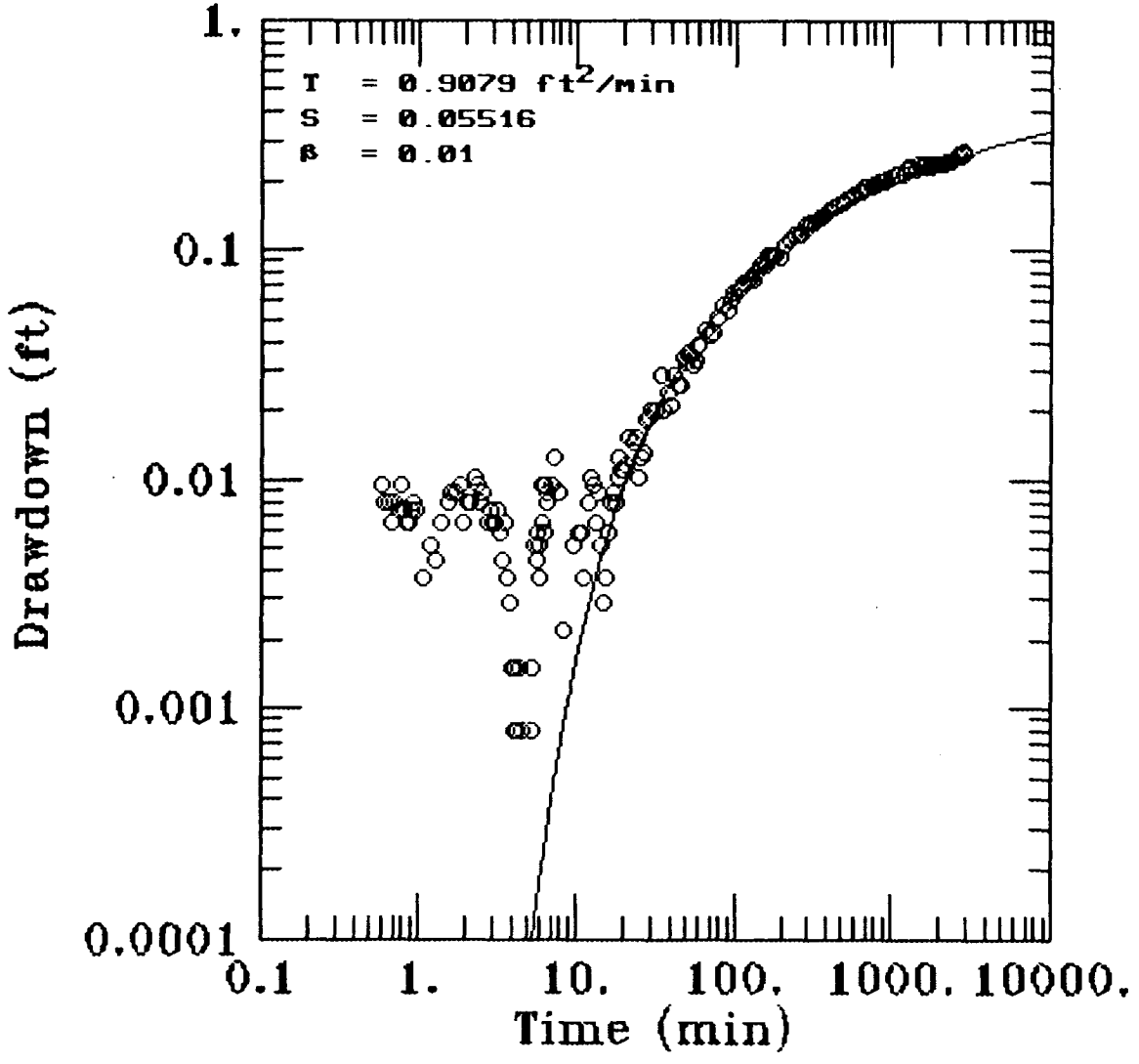
Jacob

PUMP TEST 2; PUMP PHASE, PIEZOMETER P-5



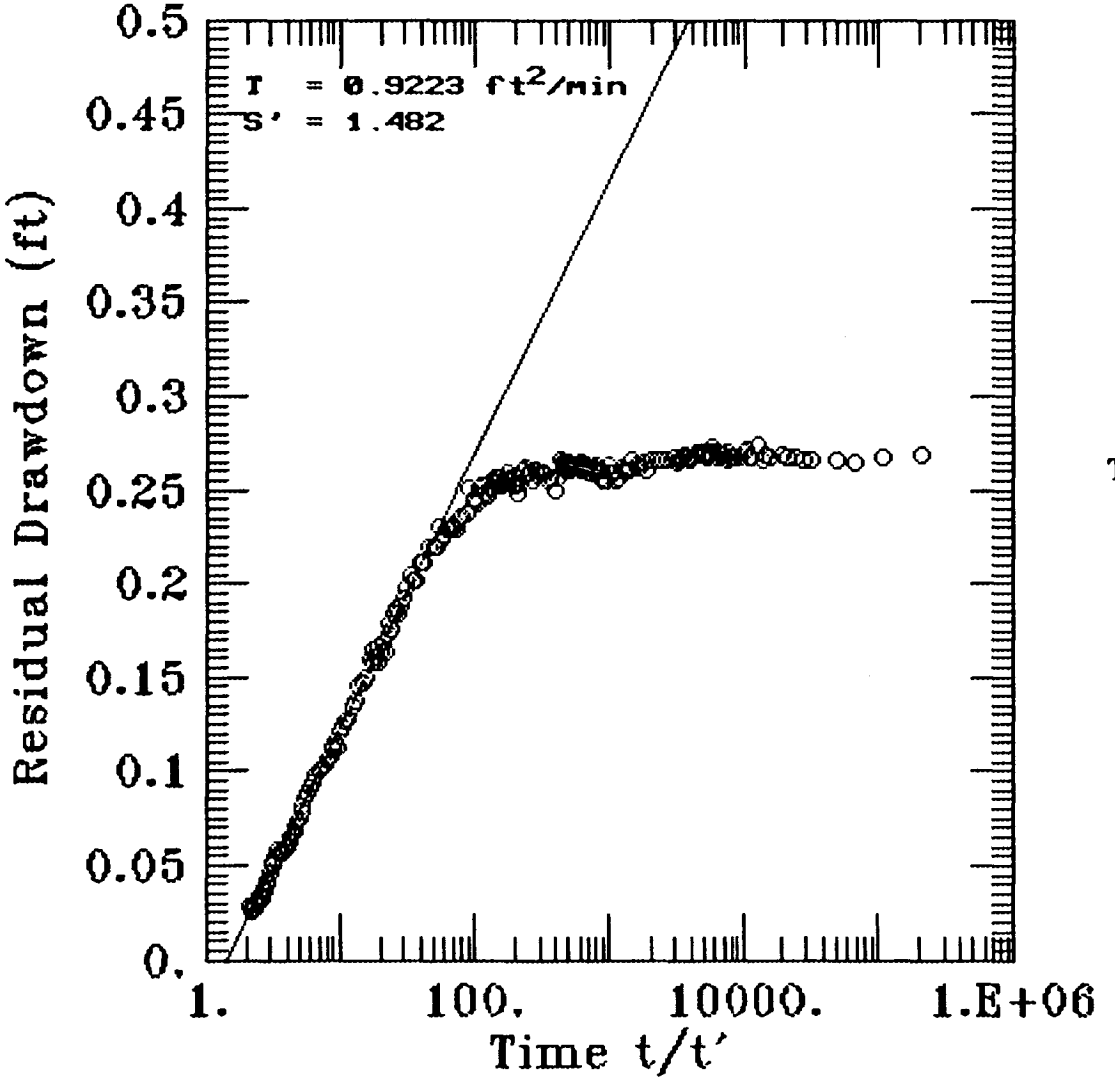
Theis

PUMP TEST 2; PUMP PHASE, PIEZOMETER P-5



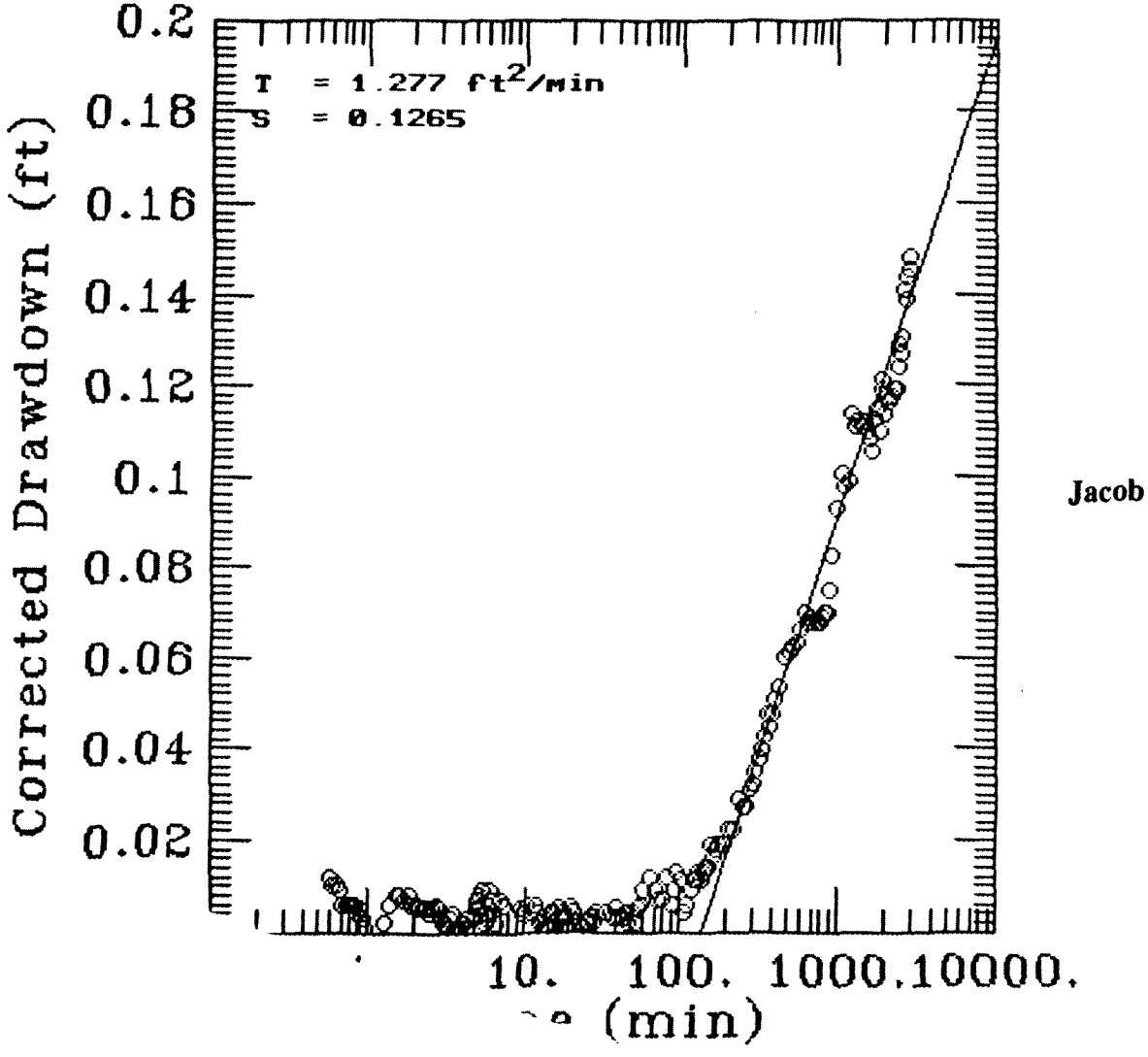
Hantush

PUMP TEST 2; RECOVERY, PIEZOMETER P-5



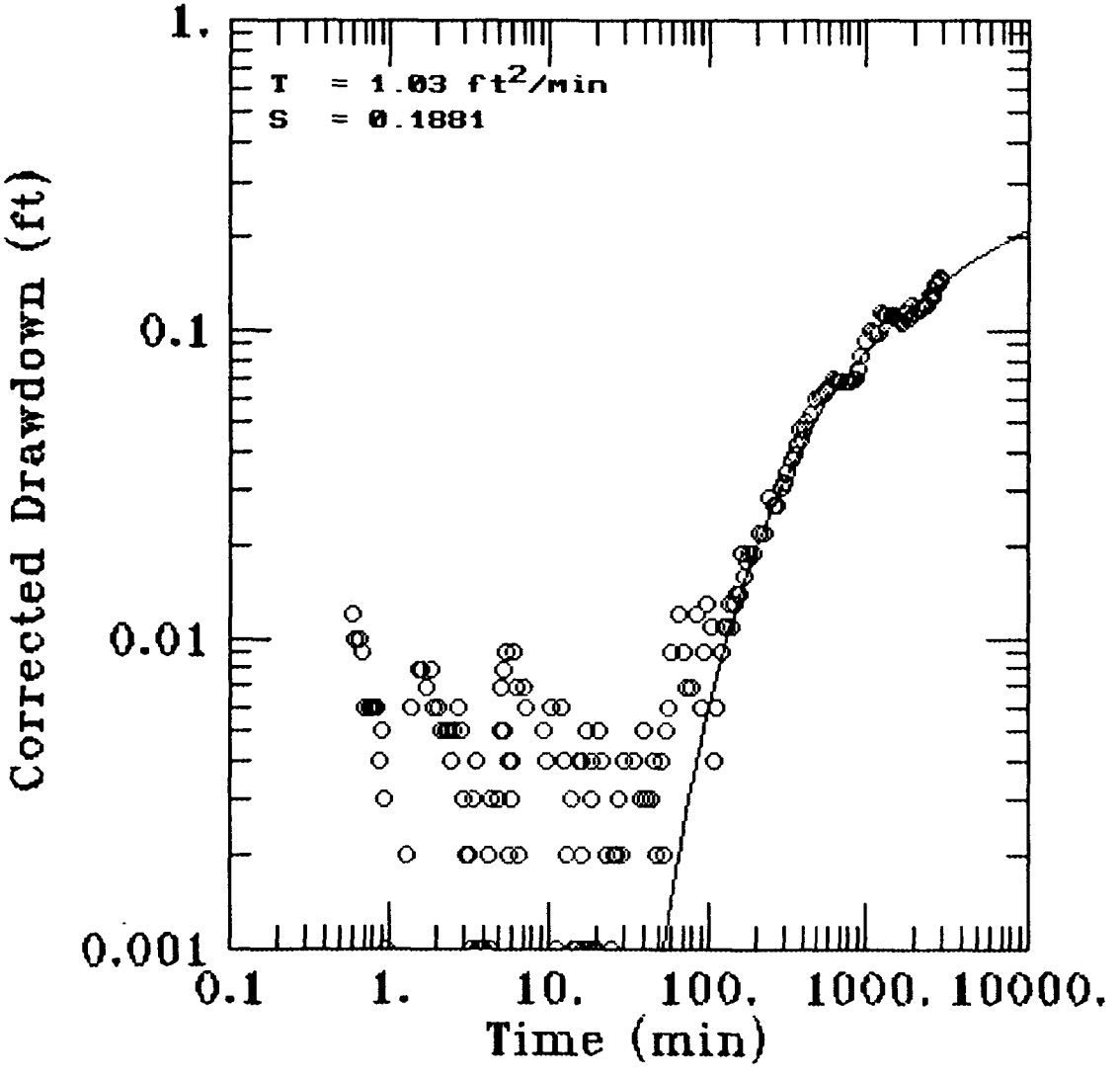
Theis

PUMP TEST 2; PUMP PHASE, WELL W9-31(A1)



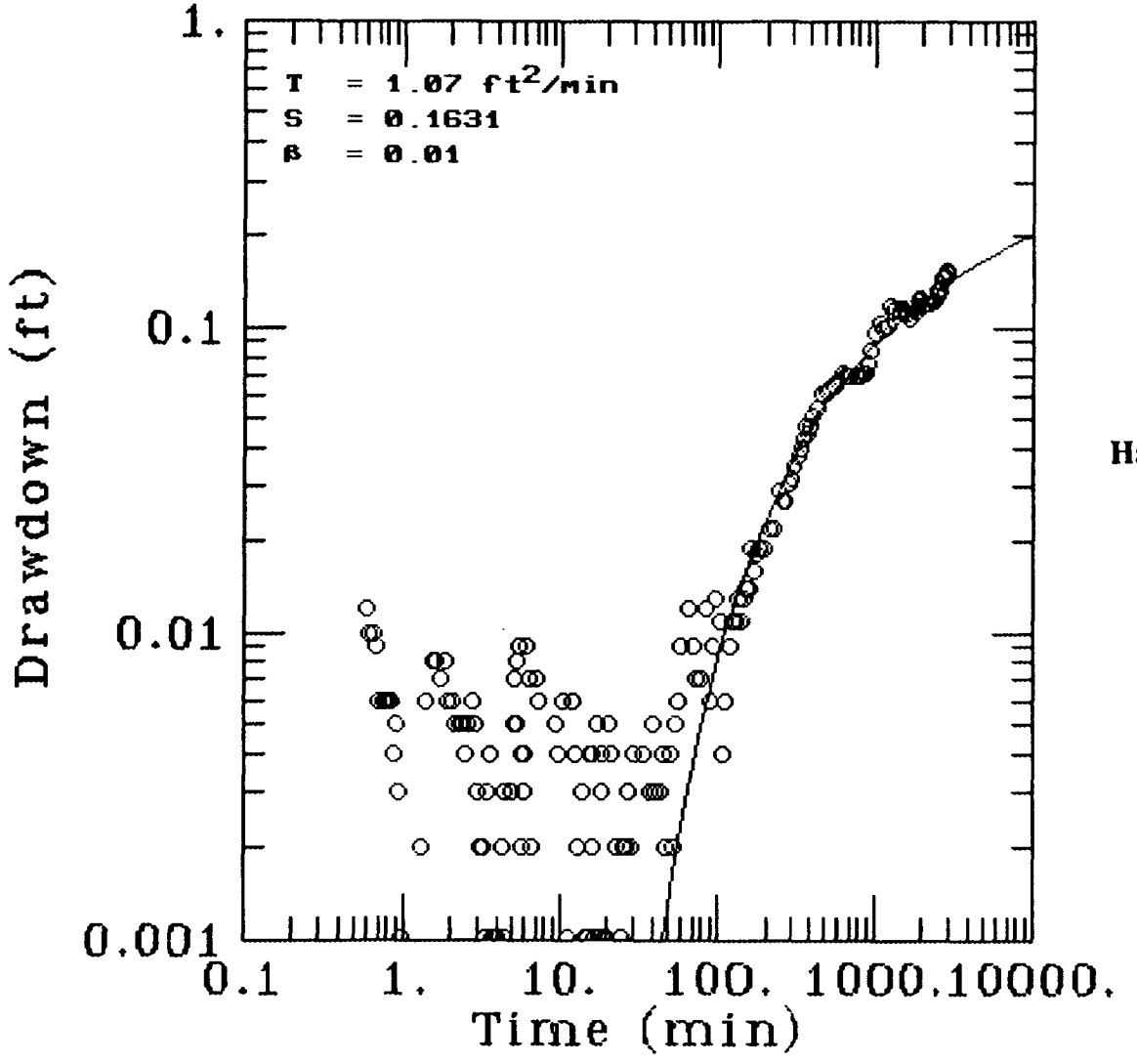
Jacob

PUMP TEST 2; PUMP PHASE, WELL W9-31(A1)



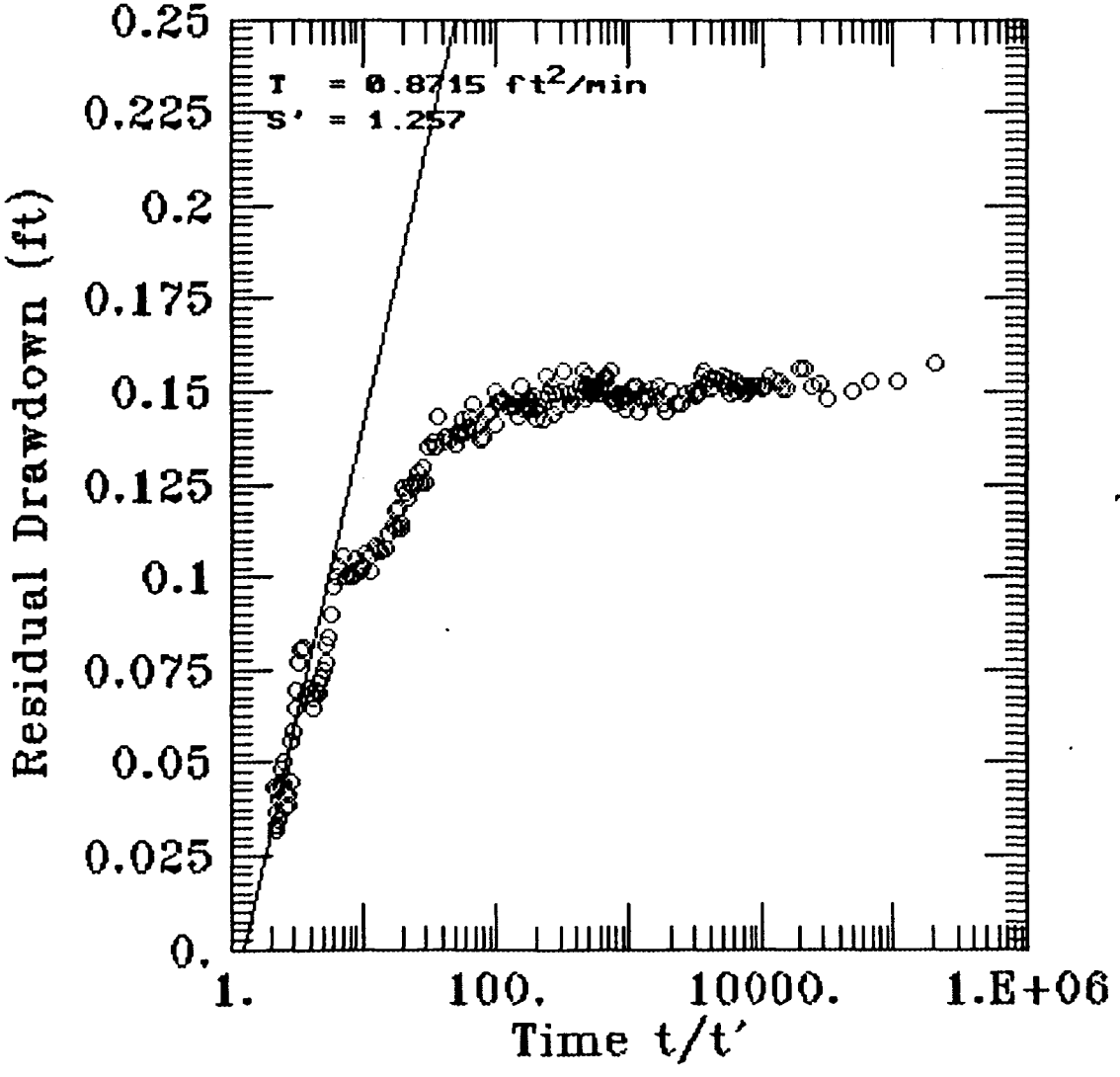
Theis

PUMP TEST 2; PUMP PHASE, WELL W9-31(A1)



Hantush

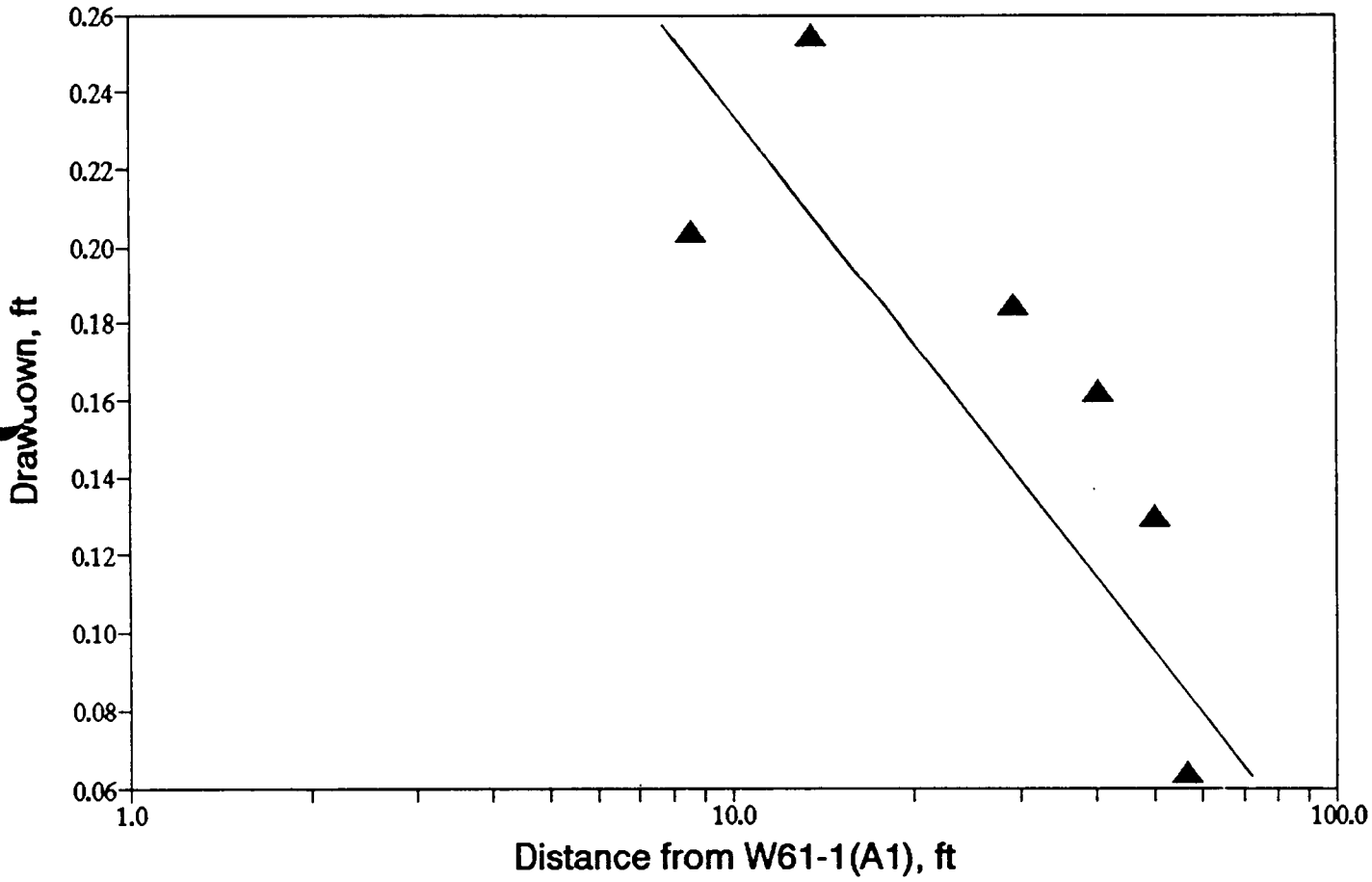
PUMP TEST 2; RECOVERY, WELL W9-31(A1)



Theis

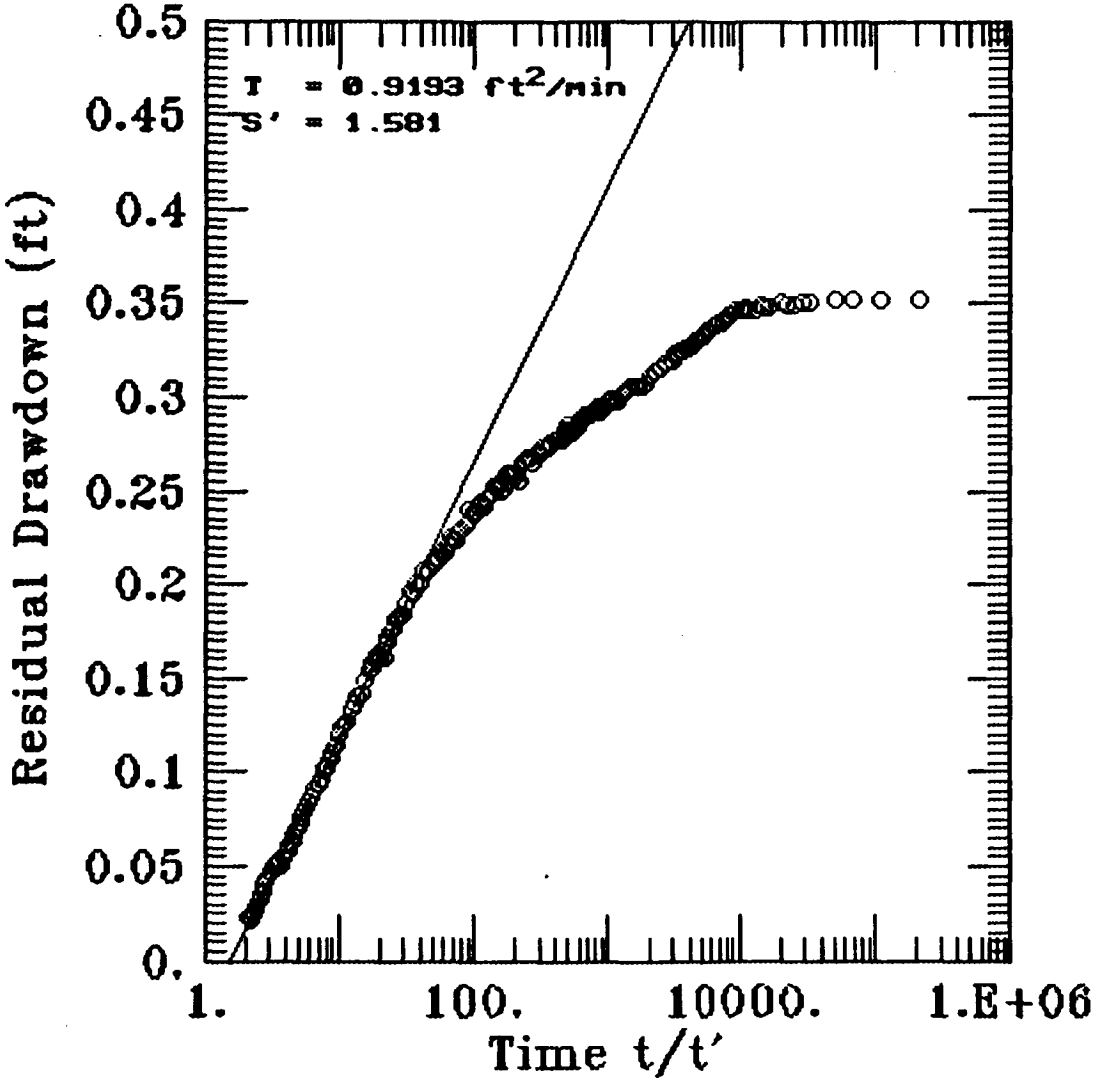
AQUIFER TEST 2

Distance vs. Drawdown



c:/qpro/aqifl-2.wql/dah

PUMP TEST 2; RECOVERY, PIEZOMETER P-4

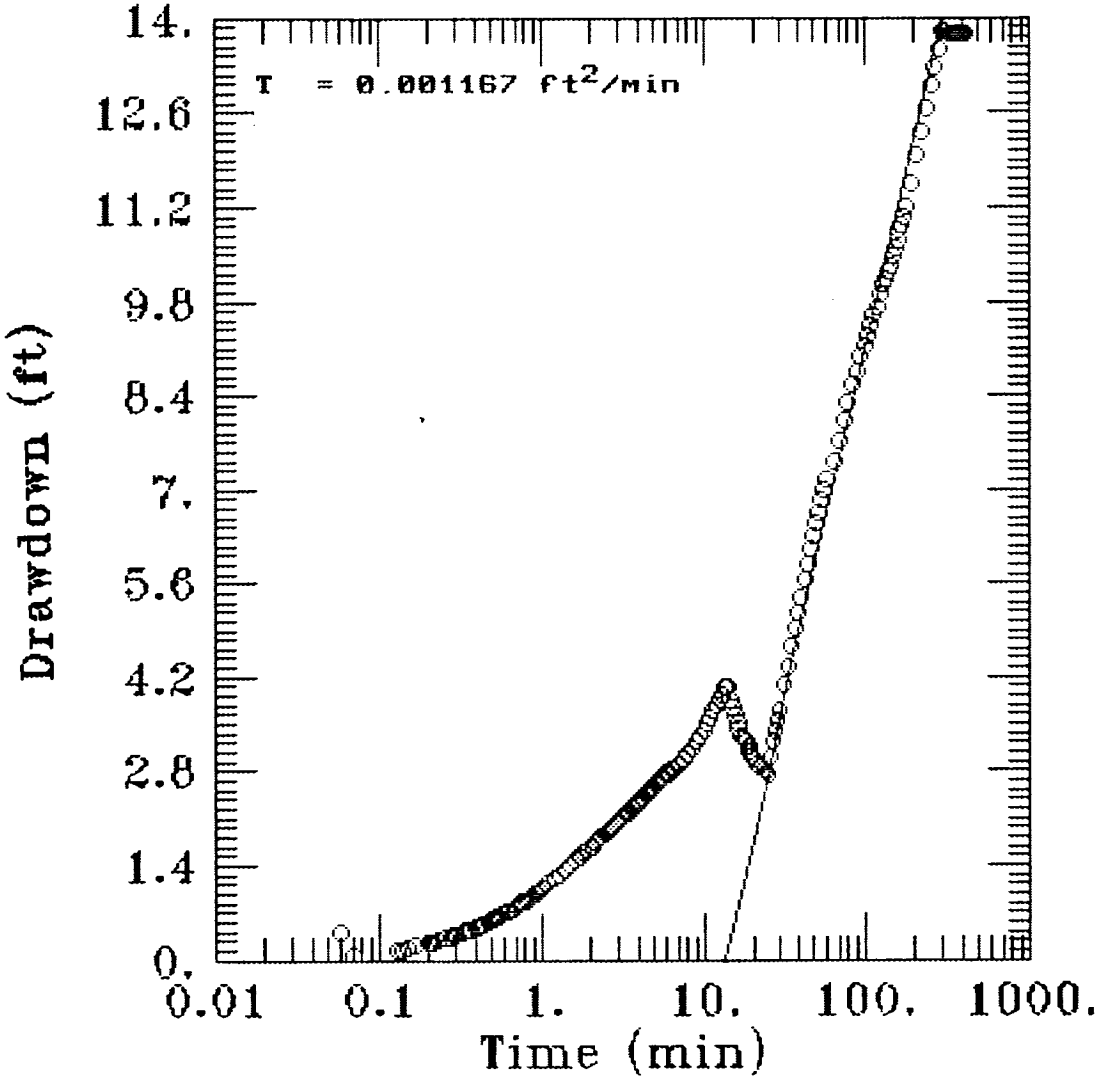


Theis

AQUIFER PUMPING TEST 3

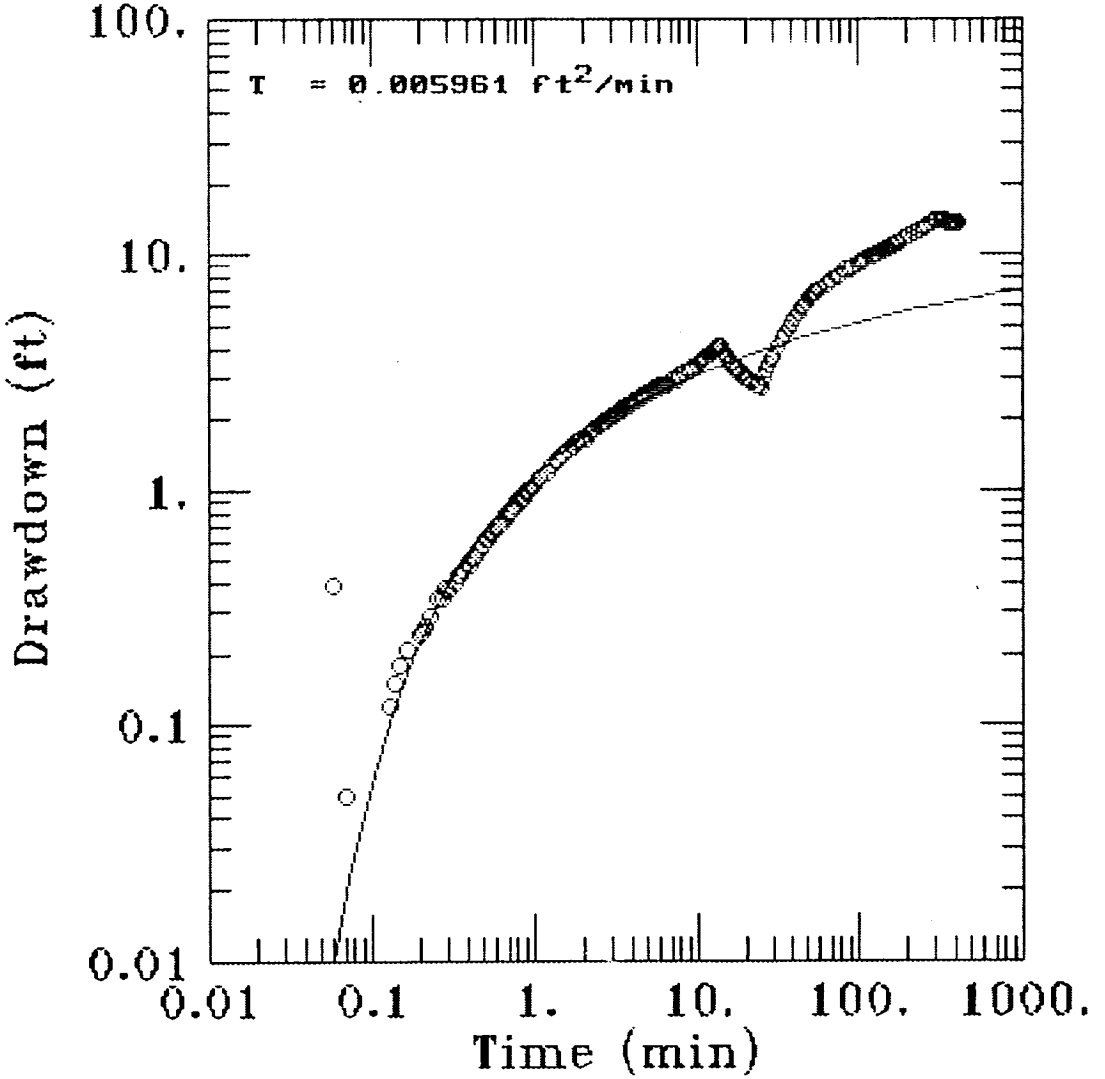
GRAPHS

PUMP TEST 3; PUMP PHASE, WELL W56-2(A1)



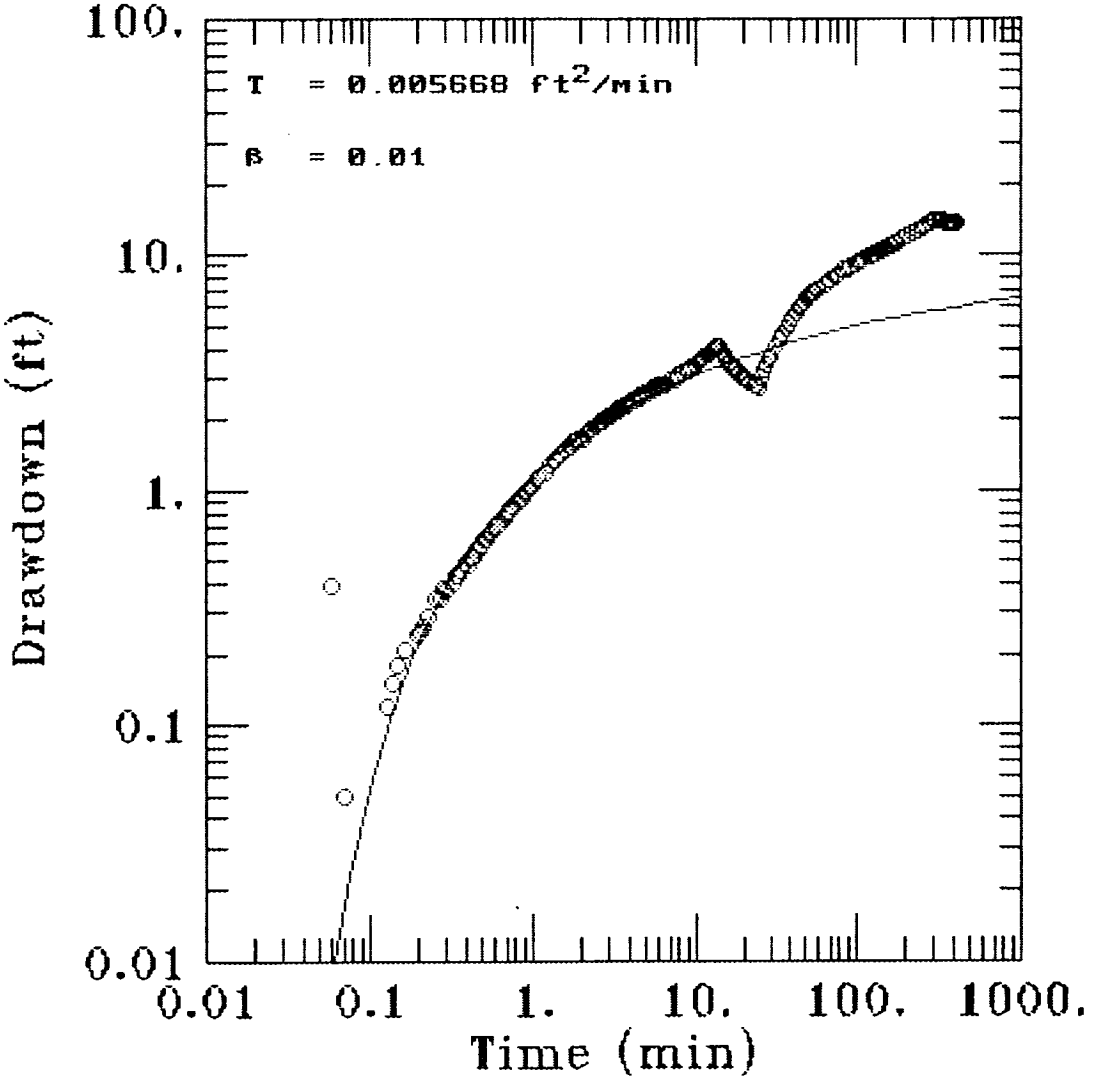
Jacob

PUMP TEST 3; PUMP PHASE, WELL W56-2(A1)



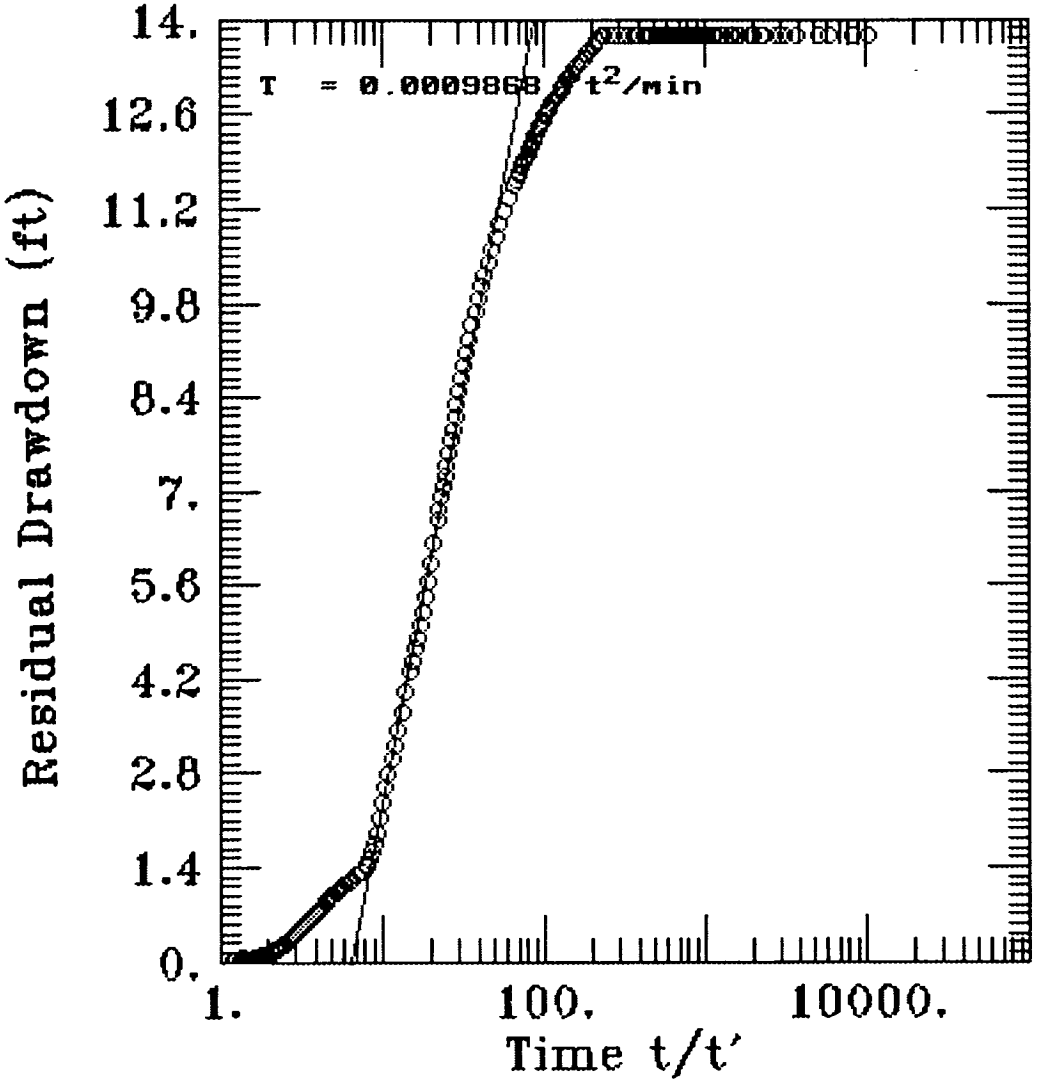
Theis

PUMP TEST 3; PUMP PHASE, WELL W56-2(A1)



Hantush

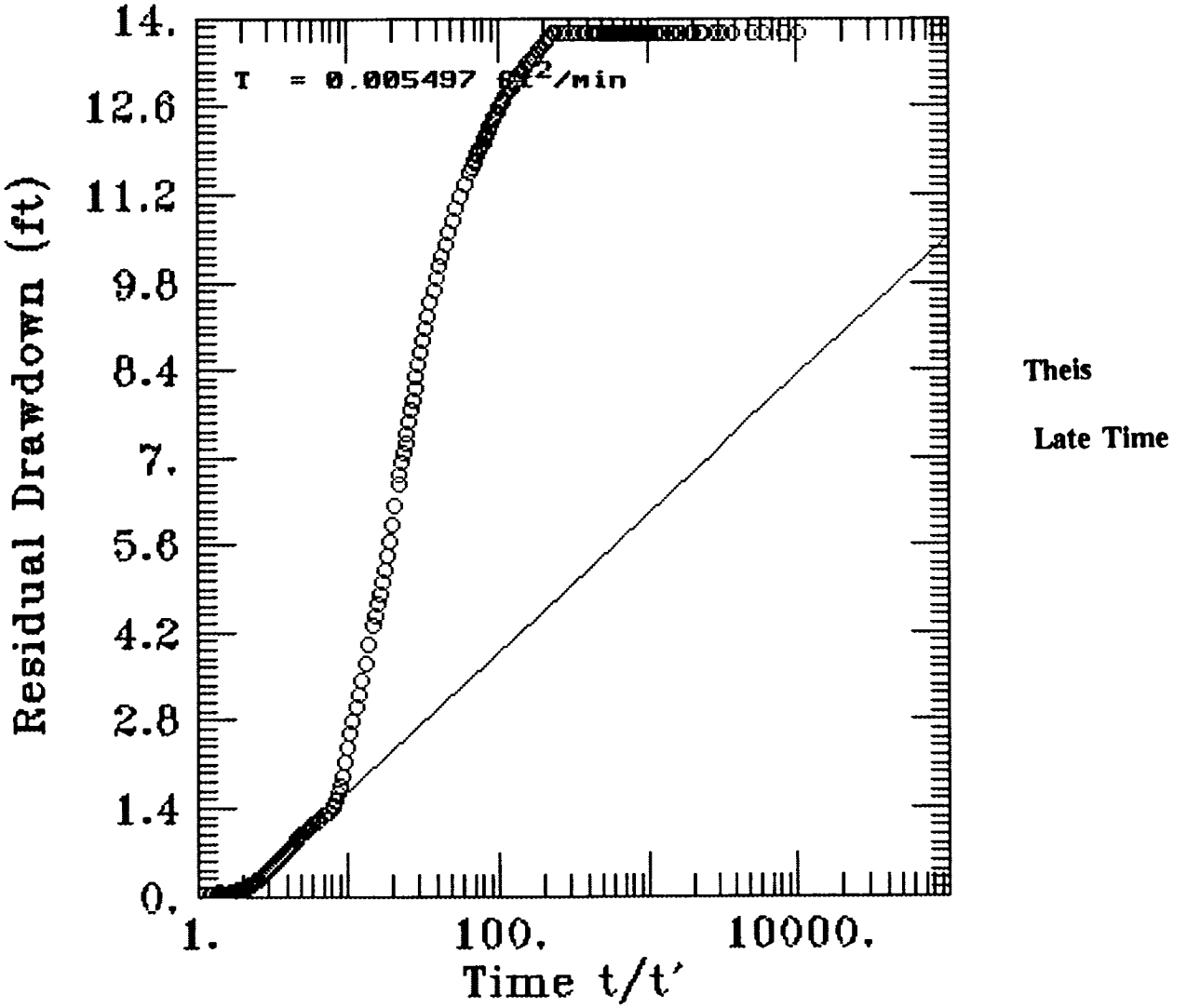
PUMP TEST 3; RECOVERY, WELL W56-2(A1)



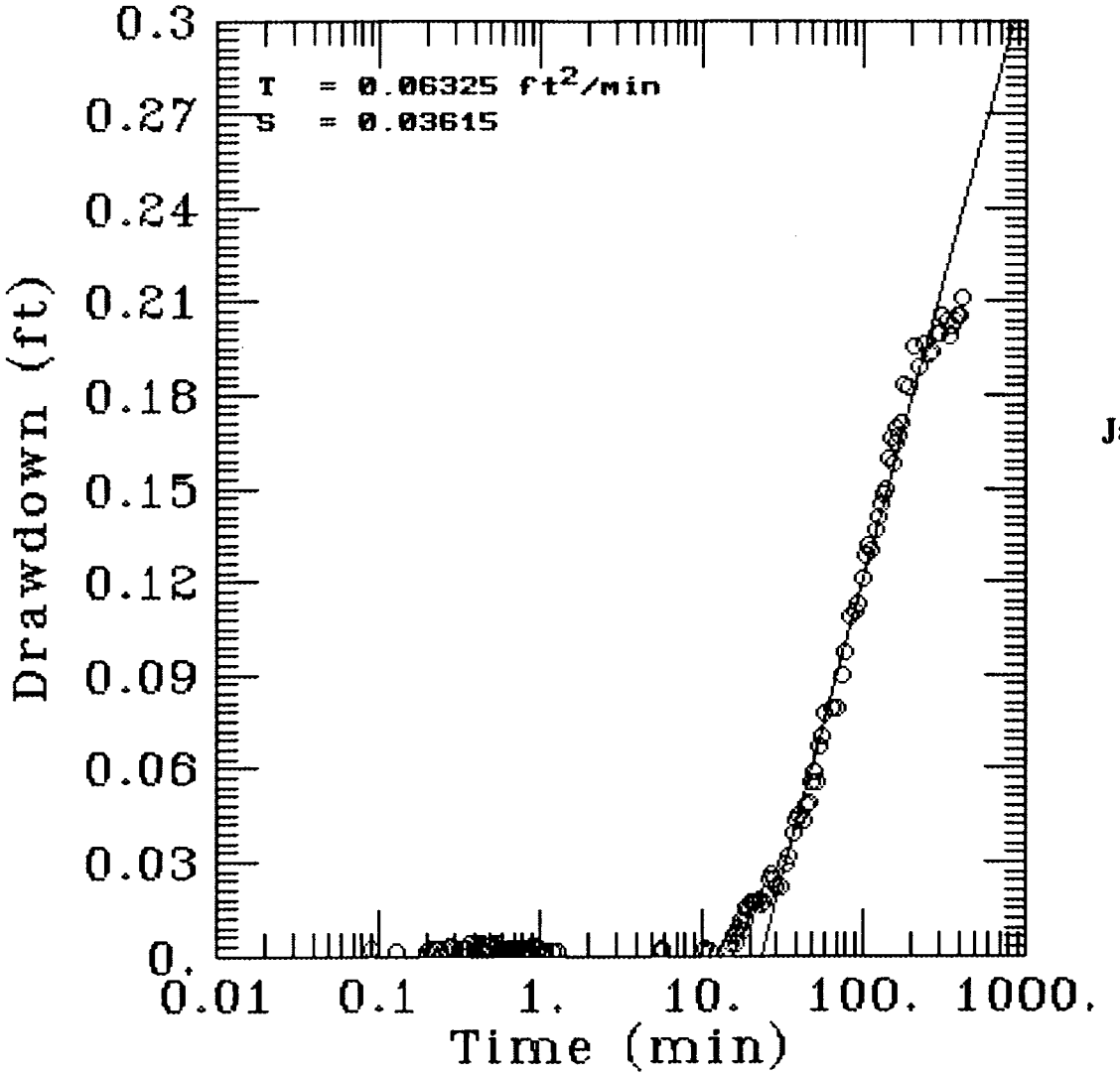
Theis

Early Time

PUMP TEST 3; RECOVERY, WELL W56-2(A1)

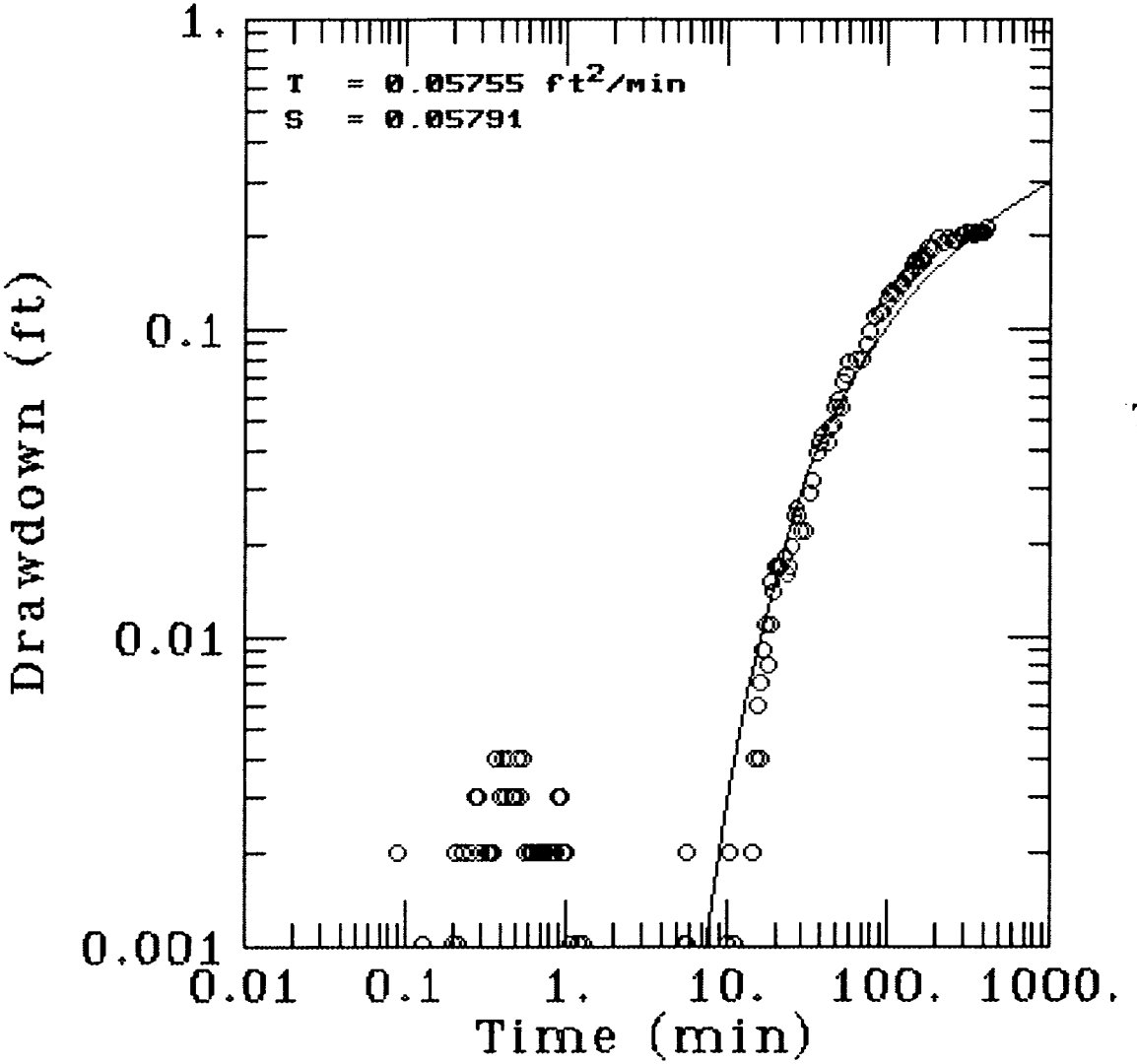


PUMP TEST 3; PUMP PHASE, PIEZOMETER P-6



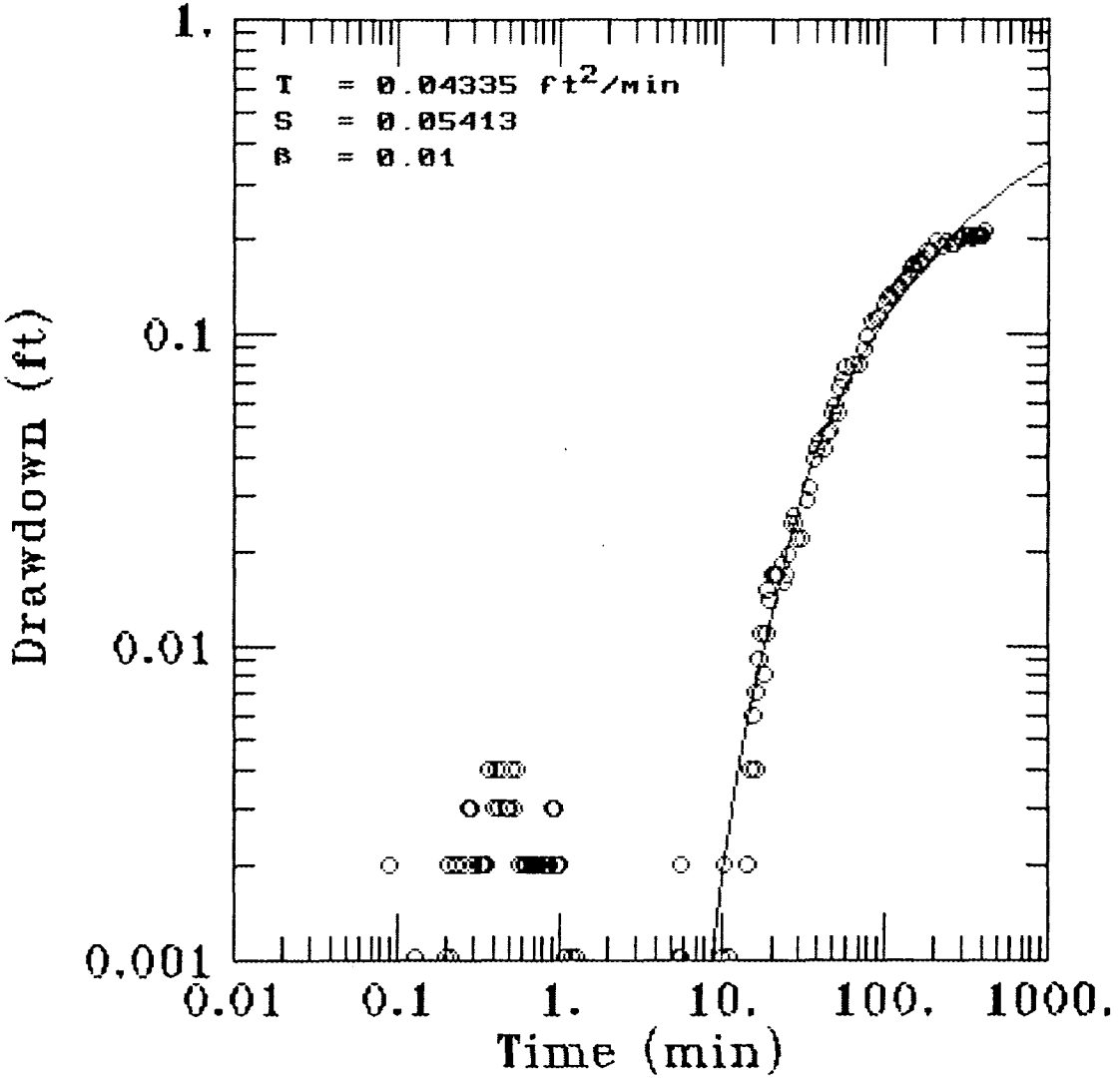
Jacob

PUMP TEST 3; PUMP PHASE, PIEZOMETER P-6



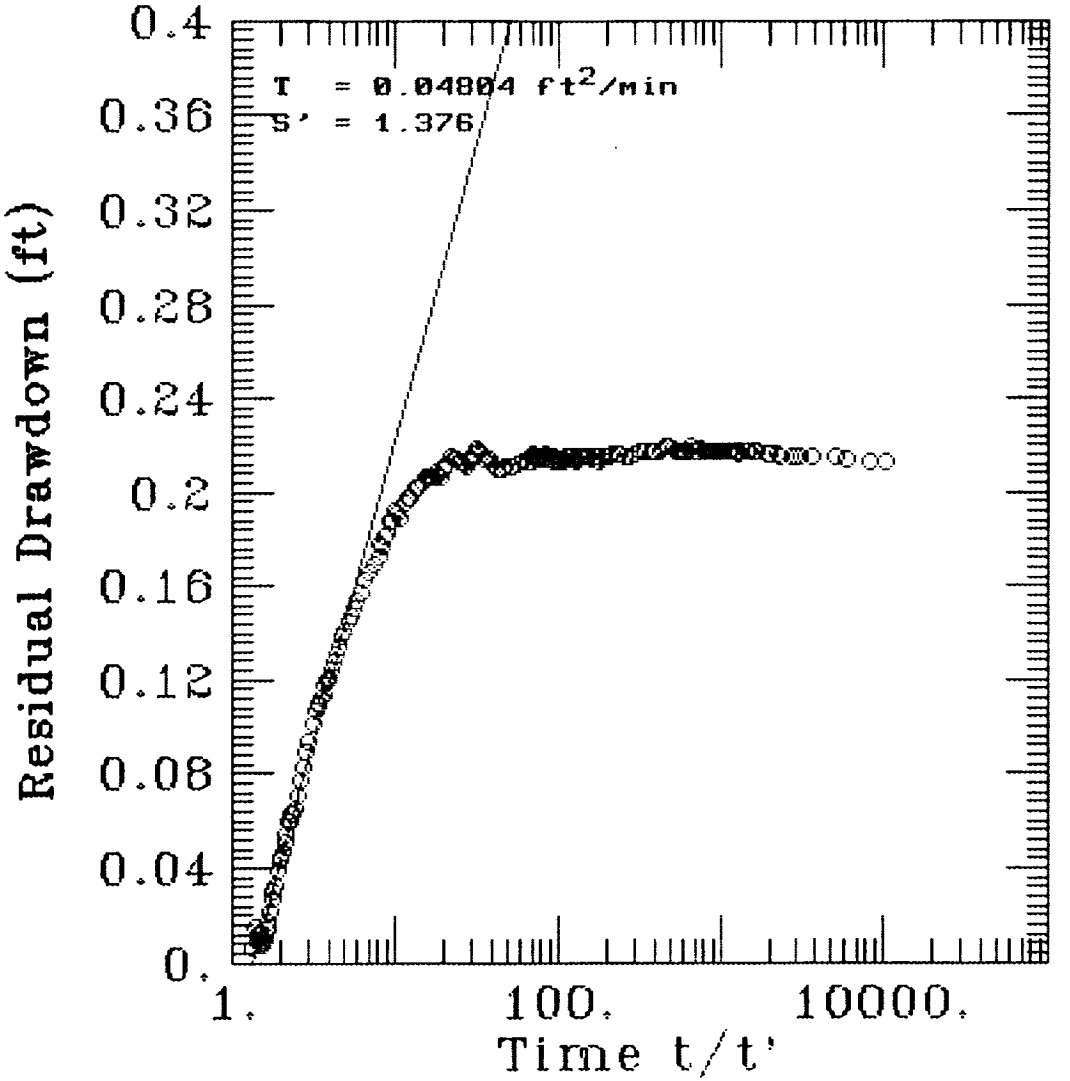
Theis

PUMP TEST 3; PUMP PHASE, PIEZOMETER P-6



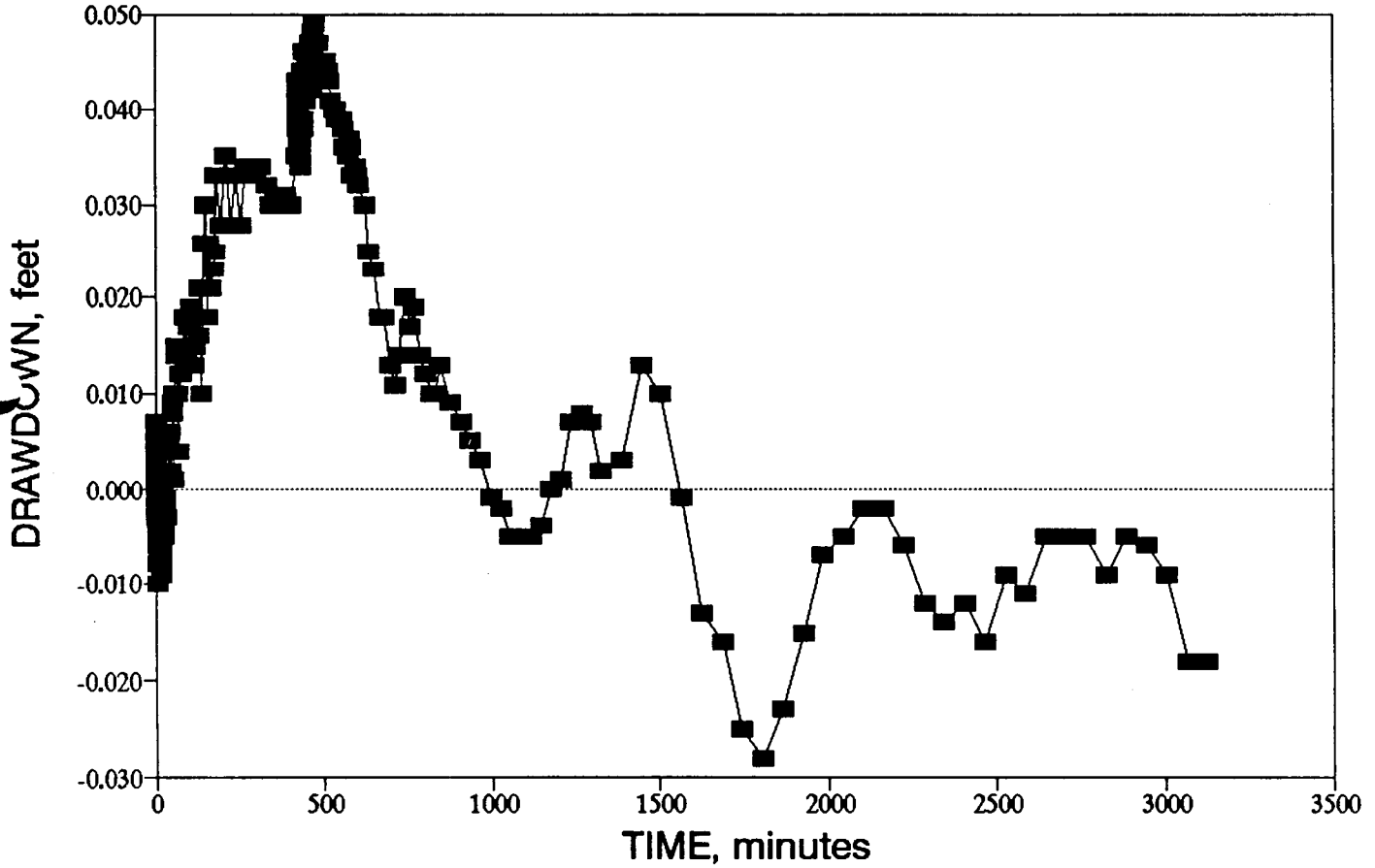
Hantush

PUMP TEST 3; RECOVERY, PIEZOMETER P-6



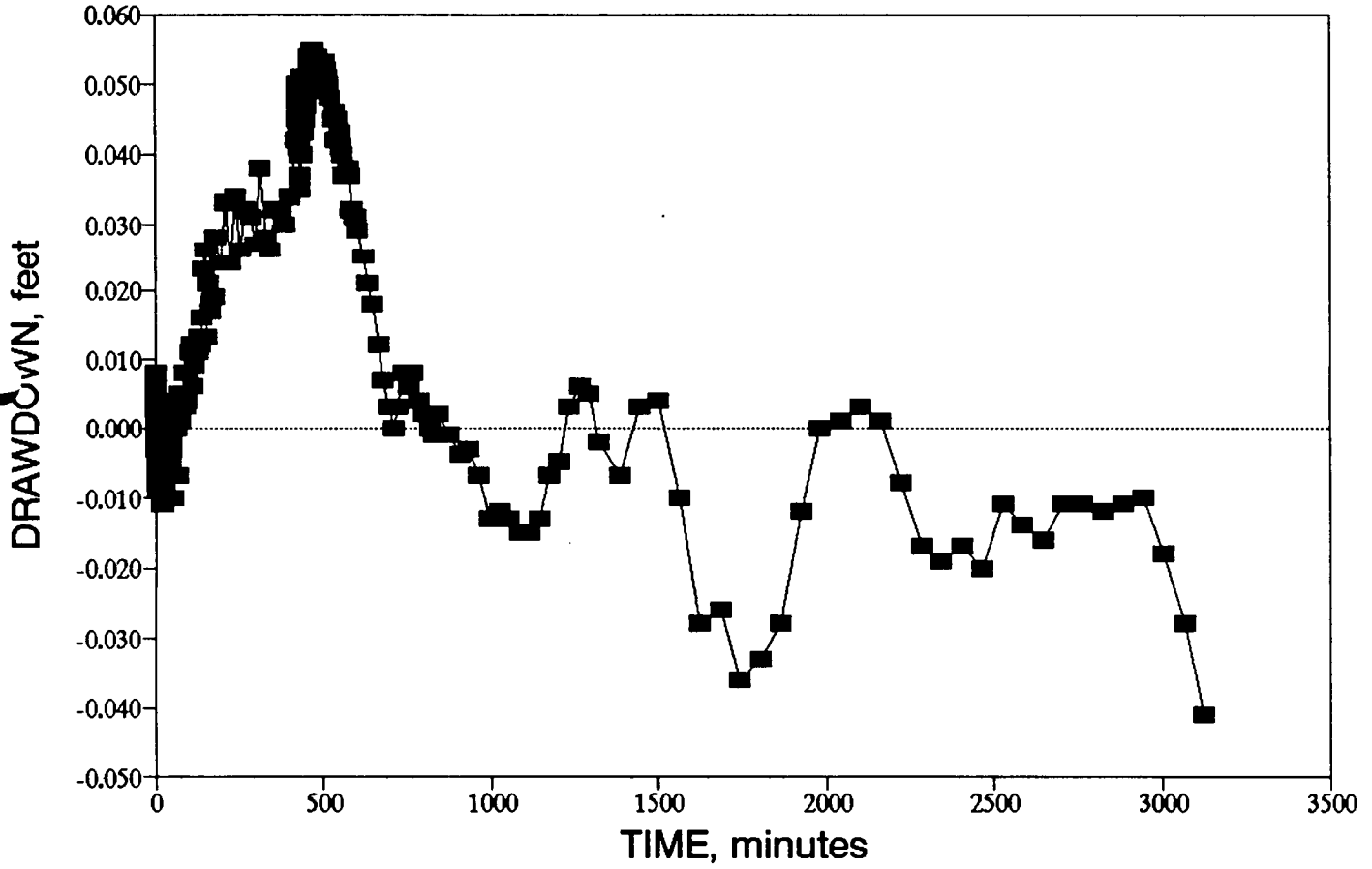
Theis

PUMP TEST #3; PIEZOMETER 7

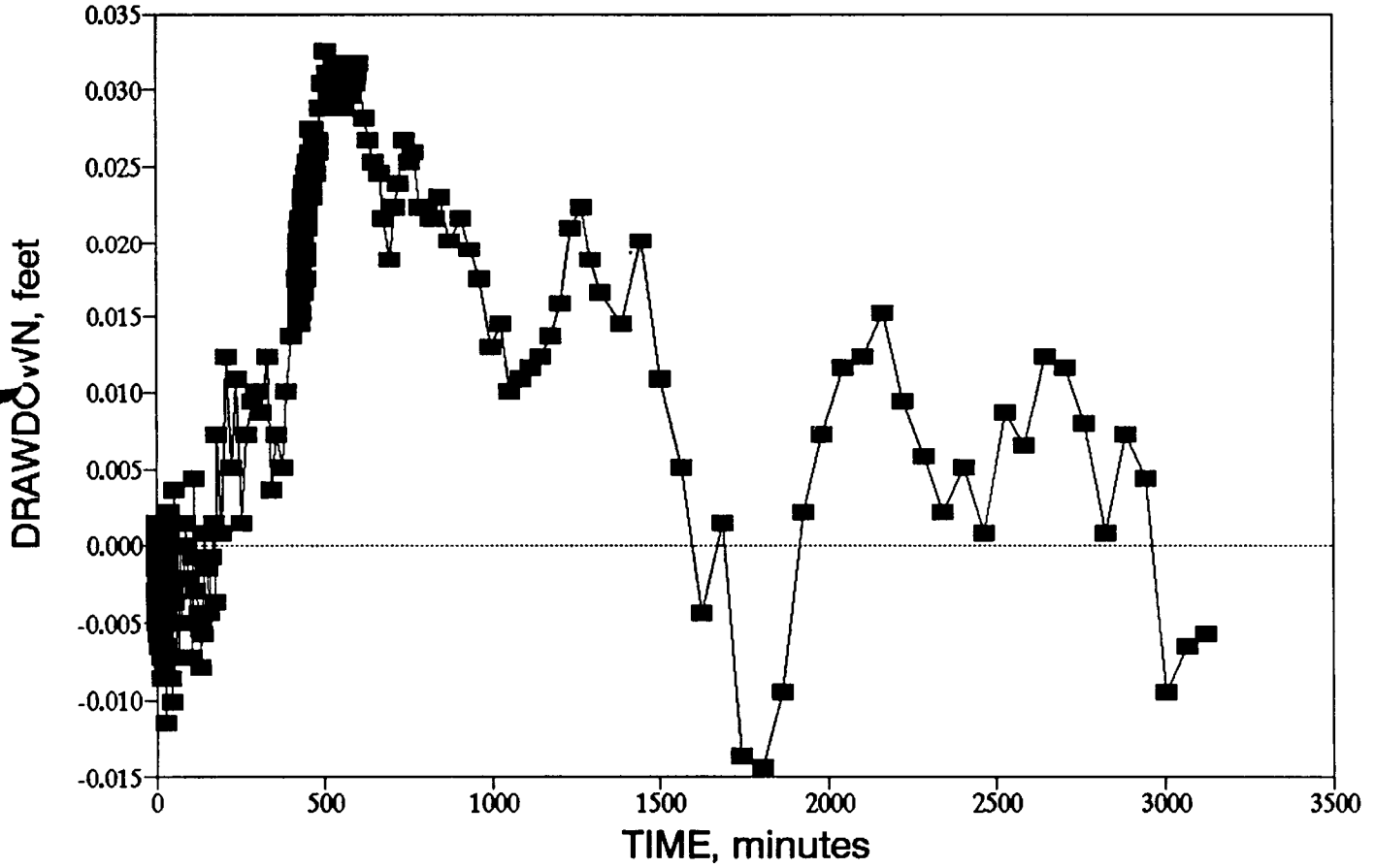


c:qpro:P3.wql-dah

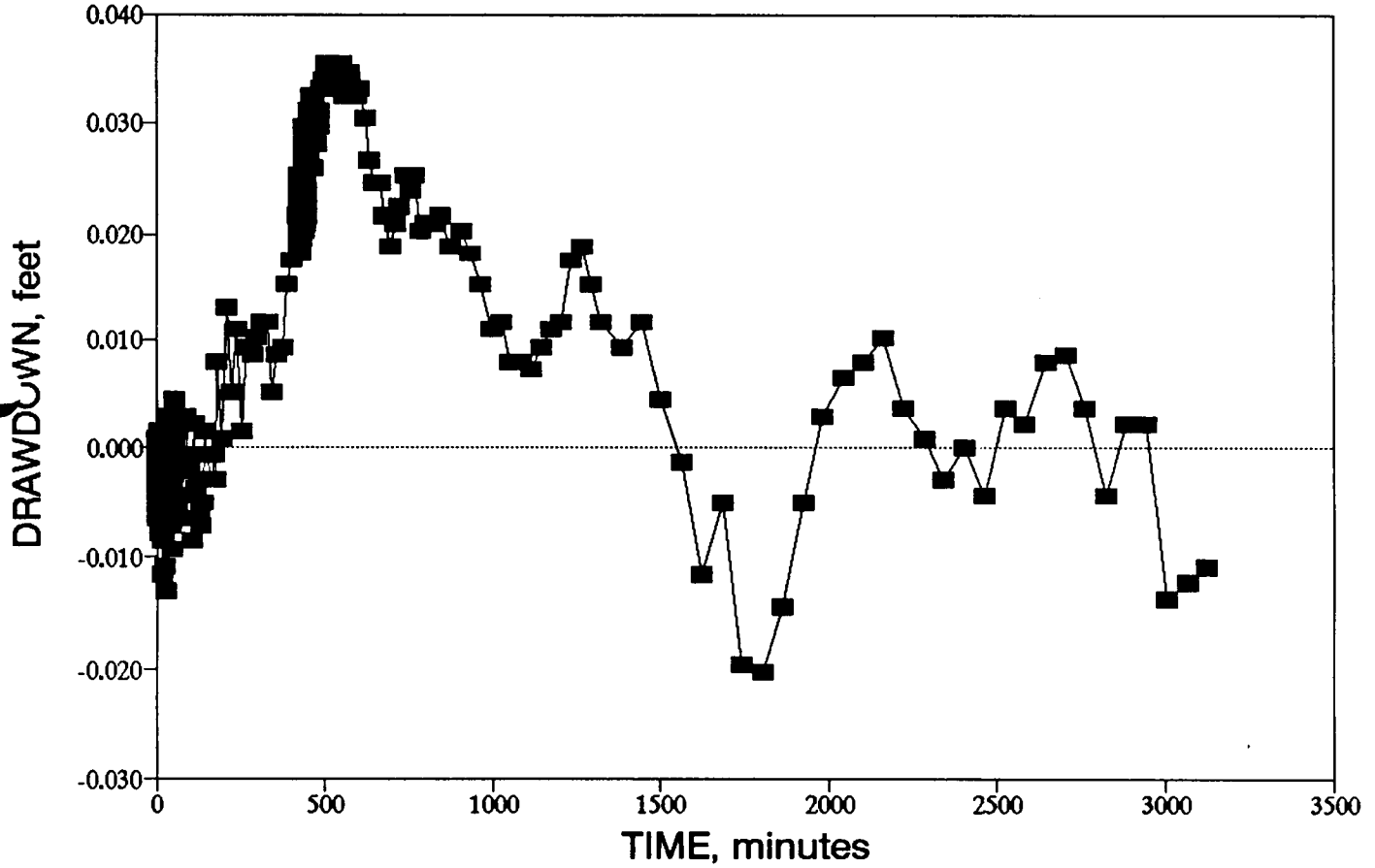
PUMP TEST #3; PIEZOMETER 8



PUMP TEST #3; PIEZOMETER 9



PUMP TEST #3; PIEZOMETER 10



APPENDIX G

ANALYTICAL DATA
QUALITY ASSURANCE REVIEW

APPENDIX G

ANALYTICAL DATA
QUALITY ASSURANCE REVIEW

TABLE OF CONTENTS

SECTION		PAGE
1.0	INTRODUCTION	1
1.1	QC SAMPLING AND ANALYSIS ACTIVITIES	1
1.1.1	Field QC Methods	2
1.1.2	Laboratory QC Methods	2
1.2	TCL VOLATILE ORGANICS DATA ASSESSMENT	5
1.2.1	Blank Contamination	5
1.2.2	Surrogate Recovery	5
1.3	TCL PETROLEUM HYDROCARBON ASSESSMENT	6
1.4	TCL METAL DATA ASSESSMENT	6
1.4.1	Blank Contamination	7
1.4.2	Matrix Spike Results	8
1.4.3	Duplicate Analysis	~~8~~ 9
1.4.4	ICP Interference Check Samples	~~8~~ 10
1.4.5	Laboratory Control Samples	~~9~~ 10
1.4.6	ICP Serial Dilution	~~9~~ 11
1.5	DATA QUALITY OBJECTIVES	~~9~~ 11

1.0 INTRODUCTION

The field investigations supporting the source control actions at Naval Air Station (NAS) Moffett Field Site 9 were conducted in accordance with the quality assurance (QA) requirements presented in the quality assurance project plan (QAPjP). The QAPjP defines the data quality objectives (DQOs) for measurement systems associated with field and laboratory analyses, and presents the procedures to be followed to achieve those objectives. This review describes the results of field and laboratory quality control (QC) analyses associated with the field investigations conducted at NAS Moffett Field Site 9. The review is divided into the following sections:

- Section 1.1 discusses QC sampling and analysis activities.
- Sections 1.2, 1.3, and 1.4 address the target compound list (TCL) volatile organic compounds (VOCs), total petroleum hydrocarbons (TPH), and metal data assessments, respectively.
- Section 1.5 identifies whether the DQOs for the project were achieved.

PRC reviewed the contract laboratory program (CLP) analytical results according to the U.S. Environmental Protection Agency (EPA) guidance documents, including, "Laboratory Data Validation Functional Guidelines for Organics Analyses," February 1988, and "Laboratory Data Validation Functional Guidelines for Inorganic Analyses," July 1, 1988. The review was based on laboratory reports only, not on the raw data.

1.1 QC SAMPLING AND ANALYSIS ACTIVITIES

QC sampling and analysis activities include collecting and analyzing field and laboratory QC samples. Field QC samples include trip blanks, equipment blanks, and field duplicates. Laboratory QC samples include laboratory method blanks, surrogates, blank spikes (BS), blank spike duplicates (BSD), matrix duplicates, matrix spikes (MS), and matrix spike duplicates (MSD). Other QC activities regularly performed by the laboratory include instrument tunings, calibration checks, inductively coupled plasma spectrometer (ICP) interference checks and laboratory control checks, and ICP serial dilution checks.

1.1.1 Field QC Methods

Trip blanks are sample containers filled with American Society for Testing and Materials (ASTM) reagent-grade distilled water. The blanks are transported to the sampling location, returned to the laboratory in a manner identical to the handling procedures used for the real samples, and analyzed for VOCs. The purpose of trip blanks is to assess any contamination encountered during transportation and handling of the soil and water samples.

Equipment blanks consist of rinse water samples taken from a Teflon bailer and split-spoon sampler following decontamination. The purpose of an equipment blank is to assess cross contamination associated with sampling activities and to verify whether sampling devices have been effectively decontaminated. Finally, field duplicates determine the precision related to sample homogeneity, handling, and analysis. Table 1 lists sample identification numbers for trip blanks, equipment blanks, and field duplicates collected at NAS Moffett Field Site 9. Appendices E and F contain analytical results for these samples.

1.1.2 Laboratory QC Methods

Method blanks are samples prepared at the laboratory, extracted, and analyzed with a group of samples. The laboratory blanks assess contamination introduced in the laboratory. Each group of samples extracted or analyzed on a particular day had an associated laboratory blank.

Surrogates in laboratory analysis are compounds which are not normally found in environmental samples but are similar to analytes of interest in chemical composition, extraction, and chromatographic characteristics. Surrogate compounds are spiked into all blanks, standards, real samples, and matrix spike samples prior to analysis. Percent recoveries of the spike amount are calculated for each surrogate to assess laboratory analytical accuracy.

TABLE 1

NAS MOFFETT FIELD SITE 9

FIELD QC SAMPLES

Analyte/ Test Method	Equipment Blank Sample ID Numbers	Trip Blank Sample ID Numbers	Field Duplicate Sample ID Numbers
CLP Metals	SB9-102(00.0) W29-1(00.0) W29-3(00.0) W56-1(101) W61-1(00.0)	NA	W56-2(18.0) FP9-1(99.9)
CLP Volatiles	SB9-102(00.0) W29-1(00.0) W29-3(00.0) W56-1(101) W61-1(00.0)	TB9-000(00.0), TB9-002(00.0), TB9-003(00.0), TB9-004(00.0), TB9-005(00.0), TB9-006(00.0), TB9-007(00.0), TB9-008(00.0), TB9-009(00.0), TB9-010(00.0), TB9-011(00.0)	W56-2(18.0) FP9-1(99.9) HP9-008(99.0)
TPH - extractable and purgeable	SB9-102(00.0) W29-1(00.0) W29-3(00.0) W56-1(101) W61-1(00.0)	NA	W56-2(18.0) FP9-1(99.9)

NA - Not Applicable

All listed samples are water samples.

BS/BSDs and MS/MSDs are blanks and samples that have been spiked with known concentrations of selected analytes prior to sample extraction. Percent recoveries of the spike amount are calculated for each of the analytes detected to determine laboratory analytical accuracy. The relative percent difference (RPD) between the BS and BSD or MS and MSD is calculated to assess laboratory analytical precision.

The results of the QC laboratory data assessment appear in Sections 1.2 through 1.4. All reviewed data reported in the analytical results summary tables without qualifiers are acceptable. Data qualifiers used together with numerical chemical concentrations are as follows:

E - The reported value is estimated because of the presence of interference.

N - Spike recovery of metals is greater than 125 percent and the reported sample result is less than the instrument detection limit (IDL). The reported value is acceptable for use.

J - The reported value is considered estimated because of one of the following causes: (1) the spike recovery of metals is greater than 125 percent or less than 75 percent, while sample result is greater than the IDL; (2) the recovery result of laboratory control samples falls within the range of 50 to 70 percent or greater than 120 percent, while the sample result is greater than the IDL; (3) the holding time was exceeded; or (4) other values outside control limits were reported.

U - The reported value is considered nondetected and estimated because the sample result is less than the IDL.

UB - The reported value is considered estimated because the sample result is greater than the IDL, but less than 5 times the amount found in blanks.

B - The reported value is considered estimated because the compound or element is found in blank.

W - The reported value is considered estimated because the post digestion spike for furnace atomic absorption analysis is out of control limits (85 to 115 percent), while sample absorbance is less than 50 percent of spike absorbance.

* - The reported value is considered estimated because the duplicate analysis is not within control limits.

R - The reported value is considered unusable because the spike recovery result for metals is less than 30 percent and the sample result is less than the IDL, or the recovery result of the ICP interference check sample is less than 50 percent.

1.2 TCL VOLATILE ORGANICS DATA ASSESSMENT

The volatile organic data substantially meet the QA/QC criteria with a few exceptions listed below. There were no problems observed with holding times and MS/MSD samples for all soil and water samples.

1.2.1 Blank Contamination

Laboratory method blanks for the soil matrix were found to have low concentrations of acetone (4 to 740 μg/kg), methylene chloride (4 to 95 μg/kg), and 2-butanone (2 μg/kg). Laboratory method blanks for water samples contained low concentrations of acetone (4 to 7 μg/L) and methylene chloride (1 μg/L). Acetone, methylene chloride, and 2-butanone are considered common laboratory contaminants. For these compounds, all sample results which are less than 10 times the amount found in the associated method blanks are considered undetected and the reported values are estimated (UB). All reported values which are greater than 10 times the amount found in the associated method blanks are considered estimated (B).

Trip blanks contained the common laboratory contaminant acetone (4 to 6 μg/L). Carbon disulfide (6 μg/L) and 1,2-dichloroethene (4 μg/L) were detected in one trip blank (TB9-002(00.0)).

Methylene chloride (65 μg/L) and chloroform (31 to 35 μ/L) were found in ground-water sample equipment blanks W29-3(00.0), W61-1(00.0) and W29-1(00.0).

1.2.2 Surrogate Recovery

The volatile surrogate recoveries for toluene-d8 were 85 percent, 11.7 percent, 81 percent and 190 percent (88 to 110 percent acceptable range) in samples HP9-003(12.0), W56-2(18.0), W9-045(14.3), and SB9-104 (05.0), respectively. Surrogate recoveries for bromofluorobenzene were 138 percent and 77 percent in sample SB9-105(10.9) and W9-045(14.3), respectively. Analytical results of these samples are considered estimated (J).

1.3 TCL PETROLEUM HYDROCARBON ASSESSMENT

Water and soil samples were analyzed for TPH purgeable as gasoline and TPH extractable as diesel, motor oil, kerosene, and jet fuel (JP-5). The TPH purgeable analysis included the quantitation of individual BTEX constituents (benzene, ethylbenzene, toluene, and xylenes).

In general, the data for these analyses substantially meet the QA/QC criteria with the exceptions listed below.

The following 15 water samples did not meet the holding time requirement for TPH gasoline analysis: W29-2(12.0), W29-4(13.5), W29-5(11.3), W29-10(18.7), W56-1(24.0), W56-2(16.0), W56-1(101), W61-1(00.0), W61-1(13.1), FP9-1(13.7), FP9-1(99.9), W67-1(10.8), W68-1(16.2), W9-46(17.0), and W9-47(16.0). The reported TPH gasoline results of these samples are considered estimated (J).

The laboratory TPH analysis employed a gas chromatograph (GC) equipped with a photoionization detector (PID) which responds to both TPH and chlorinated VOCs. In several instances, the laboratory reported TPH concentrations for ground water samples which were, in actuality, contaminated with chlorinated VOCs. Therefore, reported TPH results for these analyses were changed to nondetects and appropriate detection limits were entered in the data tables (Appendix E). The ground water samples affected by the review include samples from wells W9-44(A1), W9-45(A1), W9-46(A1), W29-4(A1), W29-7(A2), W29-8(A2), W29-9(A2), W29-10(A2), W61-1(A1), W67-1(A12), W68-1(A1), and ERM-4.

1.4 TCL METAL DATA ASSESSMENT

The sample identification numbers for each delivery group are listed below.

- Delivery Group SB9-100: This delivery group includes 17 soil samples: SB9-100(05.0), SB9-100(10.0), SB9-100(16.8), SB9-100(20.0), SB9-100(27.0), SB9-101(05.5), SB9-101(10.0), SB9-101(15.0), SB9-101(23.5), SB9-101(25.0), SB9-105(05.0), SB9-105(09.0), SB9-105(10.0), SB9-105(22.5), SB9-102(05.5), SB9-102(12.5), and SB9-102(24.5).

- Delivery Group W67-1: This delivery group includes two ground-water samples (W67-1 and W68-1) and one soil sample (SB9-102(29.0)).

- Delivery Group W56-2(18.0): This delivery group includes six ground-water samples W56-2(18.0), W56-2(16.0), W29-2(12.0), W29-3(00.0), W29-3(13.0) and W29-6(16.0).

- Delivery Group GL9-004: This delivery group includes six ground-water samples W29-7(17.0), W29-8(19.4), W29-9(19.3), W29-10(18.7), W56-1(24.0), W56-1(101), and MW009-046(17.0).

- Delivery Group SB9-104: This delivery group includes 15 ground-water and soil samples W9-44(17.0), W9-45(14.3), W9-47(17.0), SB9-104(07.0), SB9-104(14.5), SB9-104(19.5), SB9-104(29.5), SB9-106(05.0), SB-106(10.0), SB9-106(19.0), SB9-106(25.0), SB-107(05.0), SB9-107(19.5), and SB9-107(25.5).

- Delivery Group GS9-005: This delivery group includes nine ground-water samples ERM-4(13.0), W29-1(00.0), W29-1(13.0), W29-(13.5), W29-5(11.3), W61-1(00.0), W61-1(17.1), FP9-1(13.7), and FP9-1(99.9).

The metal data substantially meet the QA/QC criteria set forth in the analytical protocol with the exceptions listed below. All samples were analyzed within the appropriate holding time and all calibration requirements were met.

1.4.1 Blank Contamination

The metals detected in method blanks varied with delivery group.

- Delivery Group SB9-100: Aluminum (372.0 μg/kg), calcium (751.0 μg/kg), copper (34.6 μg/kg), iron (430.0 μg/kg), magnesium (42.0 μg/kg), manganese (20.0 μg/kg), and zinc (30.0 μg/kg) were found in method blanks. The sample results greater than the IDL but less than 5 times the amounts found in the laboratory blank are qualified as nondetected and estimated (UB). All sample results greater than 5 times the amount found in the laboratory blank are qualified as estimated (B).

- Delivery Group W67-1: Vanadium (28.0 μg/L), calcium (585.0 μg/L), cobalt (18.0 μg/L), iron (127 μg/L), manganese (7.0 μg/L), nickel (18.0 μg/L), and zinc (91.0 μg/L) were found in method blanks. The reported values greater than the IDL but less than 5 times the amounts found in the laboratory blank are qualified as nondetected and estimated (UB). All reported values greater than 5 times the amount found in the laboratory blank are considered estimated (B).

- Delivery Group W56-2: Aluminum (23.0 μg/L), calcium (34.5 μg/L), cobalt (23.2 μg/L), iron (32.3 μg/L), sodium (1,930.5 μg/L), and zinc (9.7 μg/L) were found in the method blanks. The reported values greater than the IDL but less than 5 times the amount found in the laboratory blank are considered nondetected and estimated (UB). All reported values greater than 5 times the amount found in the laboratory blank are qualified as estimated (B).

- Delivery Group GL9-004: Aluminum (41.3 μg/L), cadmium (73.5 μg/L), copper (9.6 μg/L), iron (9.5 μg/L), silver (3.5 μg/L), and zinc (5.3 μg/L) were found in method blanks. The reported values greater than IDL but less than 5 times the amount found in the laboratory method blank are qualified as nondetected and estimated (UB). All reported values greater than 5 times the amount found in the method blank are qualified as estimated (B).

- Delivery Group SB9-104: Aluminum (23.5 μg/L), calcium (60.4 μg/L), copper (15.9 μg/L), iron (17.7 μg/L), sodium (971.0 μg/L), and zinc (5.5 μg/L) were found in laboratory method blanks. The reported values greater than IDL but less than 5 times the amount found in the laboratory blank are qualified as nondetected and estimated (UB). All reported values greater than 5 times the amount found in the laboratory blank are qualified as estimated (B).

- Delivery Group GS9.005: Aluminum (34.7 μg/L), calcium (33.3 μg/L), copper (21.9 μg/L), sodium (2992.4 μg/L), and zinc (7.6 μg/L) were found in the laboratory method blanks. All reported values greater than IDL but less than 5 times the amount found in laboratory blank are qualified as nondetected and estimated (UB). All reported values greater than 5 times the amount found in the laboratory blank are qualified as estimated (B).

The equipment blank (SB009-102[00.0]) contained copper, sodium, and zinc at concentrations of 74, 4,270, and 61.0 μg/kg, respectively. Other equipment blanks (Table 1) contained low levels of aluminum, calcium, magnesium, iron, sodium, and zinc when these metals were found in the laboratory method blanks.

1.4.2 Matrix Spike Results

Matrix spike results for delivery group W67-1 are within control limits, but some spike recovery results were outside the control limits in delivery groups W56-2, SB9-100, GL9-004, SB9-104, and GS9-005. Detailed discussion of MS analyses appears below.

- Delivery Group SB009-100: The matrix spike recovery results for cadmium, chromium, silver, copper, and manganese exceeded the control limit of 75 to 125

percent, but no spike recovery results were less than 30 percent. The reported values of these elements which are greater than the IDL are considered estimated (J).

- Delivery Group W56-2: The matrix spike recovery results of antimony, arsenic, selenium, silver, and thallium were not within the control limit of 75 to 125 percent, and fall within the range of 30 to 74 percent. The reported values of these elements which are greater than the IDL are considered estimated (J).

- Delivery Group GL9-004: The matrix spike recovery results for aluminum, antimony, iron, and thallium exceed the control limit of 75 to 125 percent. The reported values of these metals which are greater than the IDL are qualified as estimated (J).

- Deliver Group SB9-104: The matrix spike recovery results for arsenic, lead, selenium, silver, magnesium, and antimony in soil samples exceeded control limit of 75 to 125 percent, and the matrix spike results of magnesium and antimony were less than 30 percent. All reported results of these metals for soil samples greater than IDL are qualified as estimated (J). The reported magnesium and antimony results for soil samples less than IDL are qualified as unusable (R). The matrix recovery results of aluminum, arsenic, iron, lead, silver, thallium, antimony, and selenium in ground-water samples exceeded the control limit of 75 to 125 percent, and the spike recovery results of antimony and selenium were less than 30 percent, and the spike recovery results of antimony and selenium were less than 30 percent. All reported values of these metal for ground-water samples greater than IDL are considered estimated (J). The reported values of antimony and selenium for ground-water samples less than IDL are considered unusable (R).

- Delivery Group GS9-005: The matrix spike recovery results for aluminum, arsenic, iron, manganese, selenium, silver, thallium, antimony, barium, and chromium exceeded control limit of 75 to 115 percent, and the spike results of aluminum, iron, selenium, and thallium were less than 30 percent. All reported values of these metals greater than IDL are qualified as estimated (J). All reported values of aluminum, iron, selenium and thallium less than IDL are considered unusable (R).

1.4.3 Duplicate Analysis

The laboratory did not submit the laboratory duplicate analysis data for the delivery groups SB9-100 and W67-1. The discussion of duplicate analysis for other delivery groups appears below.

- Delivery Group W56-2: The results of laboratory duplicate analysis show that relative percent differences (RPDs) of arsenic, copper, iron, and selenium were not within the control limits. The reported values of these metals are considered estimated (*).

- Delivery Group GL9004: The RPDs of laboratory duplicate analysis of arsenic, copper, and silver exceed control limits. The reported values of these metals are considered estimated (*).

- Delivery Group SB9-104: The RPDs of laboratory duplicate analysis results of aluminum and chromium for soil samples exceed control limits; the reported aluminum and chromium values for all soil samples are considered estimated (*). The RPDs of laboratory duplicate analysis of aluminum, mercury, and silver for ground-water samples were not within the control limit; all reported values of these metals for ground water samples are qualified as estimated (*).

- Delivery Group GS9-005: The RPDs of laboratory duplicate analysis results of arsenic, cadmium and mercury exceeded control limits. All reported values of these metals are qualified as estimated (*).

The RPDs of all metals analyzed for field duplicates are less than 15 percent except the RPDs of aluminum and zinc results between ground-water sample FP9-1(13.7) and its filed duplicate FP9-1(99.9), indicating the overall precision is acceptable.

1.4.4 ICP Interference Check Samples

There were no problems with ICP interference check samples (ICSs) for delivery groups SB009-100, W67-1, GL9-004, SB9-104, and GS9-005. The ICS recovery results of sodium was 3.1 percent and greatly exceeded the control limit of 80 to 120 percent in delivery group W56-2. All reported sodium values in this group are considered unusable (R).

1.4.5 Laboratory Control Samples

There were no problems with laboratory control samples (LCSs) for delivery group SB9-100, W67-1, and GL9-004. The discussion of laboratory control samples for other delivery groups appear below.

- Delivery Group W56-2: The LCS recovery result for cobalt is 236.0 percent and exceeds the control limit of 80 to 120 percent. All reported cobalt value are qualified as estimated (J).

- Delivery Group SB9-104: The LCS recovery results for arsenic and thallium exceeded control limits; all reported values of these metals are considered estimated (J).

- Delivery Group GS9-005: The LCS recovery results for silver were not within the control limit; all reported silver values are qualified as estimated (J).

1.4.6 ICP Serial Dilution

The laboratory did not submit the ICP serial dilution analysis results for delivery groups SB9-101 and W67-1. The discussion of ICP serial dilution analysis for other delivery groups appears below.

- Delivery Group W56-2: The difference (D, in percent) of ICP serial dilution results for cobalt, sodium, and zinc were not within the control limit. The report values of these metals are considered estimated (E).

- Delivery Group GL9-004: The difference (D, in percent) of ICP serial dilution results of aluminum and sodium were not within the control limit. The reported values of these metals are considered estimated (E).

- Delivery Group SB9-104: The difference (D, in percent) of ICP serial dilution results for aluminum, barium, beryllium, chromium, cobalt, manganese, silver, sodium, and vanadium exceeded control limit; all reported values of these metals are considered estimated.

- Delivery Group S9-005: The difference (D, in percent) of ICP serial dilution results for aluminum, barium, beryllium, cadmium, cobalt, copper, magnesium, manganese, silver, and sodium were not within the control limits; all reported values of these metals are qualified as estimated (E).

1.5 DATA QUALITY OBJECTIVES

The DQOs for the field investigations conducted at NAS Moffett Field Site 9 appear in the QAPjP. Review of the field and laboratory QA results indicated that the objectives were met. Analytical precision was good, as over 95 percent of the RPDs for spike recoveries were within the accepted QC limit. The accuracy of the analytical procedures was good for most samples as indicated

by the surrogate and spike recoveries. The completeness objective was achieved, as over 95 percent of the data was usable. Finally, all data are considered representative because the accepted and prescribed methods presented in the NAS Moffett Field Site 9 field investigation work plan were followed.

APPENDIX H

RATIOS OF CHLORINATED VOCs IN GROUND WATER

RE:044-0134IRSCF9\moffett\contam\hlf

APPENDIX H

RATIOS OF CHLORINATED VOCs IN GROUND WATER

Section 5.2 of this technical memorandum contained comparisons of various chlorinated VOCs to TCE (ratios) in the discussion of ground-water contamination. Relative contaminant ratios can relate ground-water contaminants to their respective sources and indicate the presence of microbial activity. However, the use of ratios for these purposes is complicated by significant differences in contaminant properties, varying ground-water conditions, and mixing with contaminated ground water from other sources. This section discusses the rationale used to determine compounds used in ratio calculations, the transformations involved in the production of minor contaminants, and the environmental conditions which determine the extent of transformation reactions. Finally, the application of relative contaminant ratios is demonstrated in an example.

In general, downgradient ground-water contamination is believed to be related to source areas if the same constituents at similar relative concentrations are observed in both areas. One way of expressing relative concentrations is by determining the ratios of minor ground-water contaminants to a ubiquitous contaminant, thereby eliminating dilution effects from uncontaminated ground water. TCE was selected as the major contaminant for ratio calculations at NAS Moffett Field for the following reasons:

- Ground water contaminated with TCE is wide spread at NAS Moffett Field
- TCE is moderately stable in the slightly oxidizing ground water of NAS Moffett Field
- TCE is the parent of 1,2-DCE, which is produced by reductive dechlorination of TCE

Not all minor ground-water contaminants may be compared to TCE using ratios. Vinyl chloride and PCE are examples of compounds which should not be compared to TCE in ratios because neither vinyl chloride nor PCE are effectively transported by ground water. Vinyl chloride is not effectively transported because it is not very soluble in ground water. PCE is not effectively transported in ground water because it tends to adsorb to aquifer sediments. Table H-1 provides chemical and physical property data for the chlorinated VOC contaminants found at NAS Moffett Field. Based on solubility, distribution coefficient (K_d), and retardation factor data in Table H-1, the

TABLE H-1

NAS MOFFETT FIELD SITE 9

CHEMICAL AND PHYSICAL CHARACTERISTICS OF ORGANIC COMPOUNDS DETECTED IN GROUND WATER

AT NAS MOFFETT FIELD

Compound	Molecular Weight [a]	Density [a]	Water Solubility [a]	K_d [c]	Retardation Factors	
					Measured [c]	Calculated [d]
PCE	165.8	1.63	150 (25°C)	4.0	---	4.0
TCE	131.5	1.46	1,100	1.9 - 7.8	5 - 9	2.1
1,2-DCE (cis)	96.9	1.28	800	1.3	3 - 5	1.5
1,1-DCE	97.0	1.22	400 [b]		---	1.5
1,1,1-TCA	133.4	1.35	4,400	0.4	1.3 - 2.0	2.3
1,2-DCA	99.0	1.25	8,690		---	---
1,1-DCA	99.0	1.18	5,500		---	1.3
Vinyl Chloride	62.5	0.912	1.1 (25°C)	0.9	1.6 - 2.0	1.1

K_d Distribution Coefficient
--- No Value Reported

Units : density - g/cm^3 at 20°C
: solubility - mg/L at 20°C

[a] Verschueren (1983)
[b] Schwille (1988)
[c] Roberts (1989)
[d] HLA (1988)

RE:044-0134IRSCF9\moffett\gwtab2\hlf

minor contaminants that can be compared to TCE as ratios are 1,2-DCE, 1,1-DCE, 1,1,1-TCA, 1,2-DCA, and 1,1-DCA.

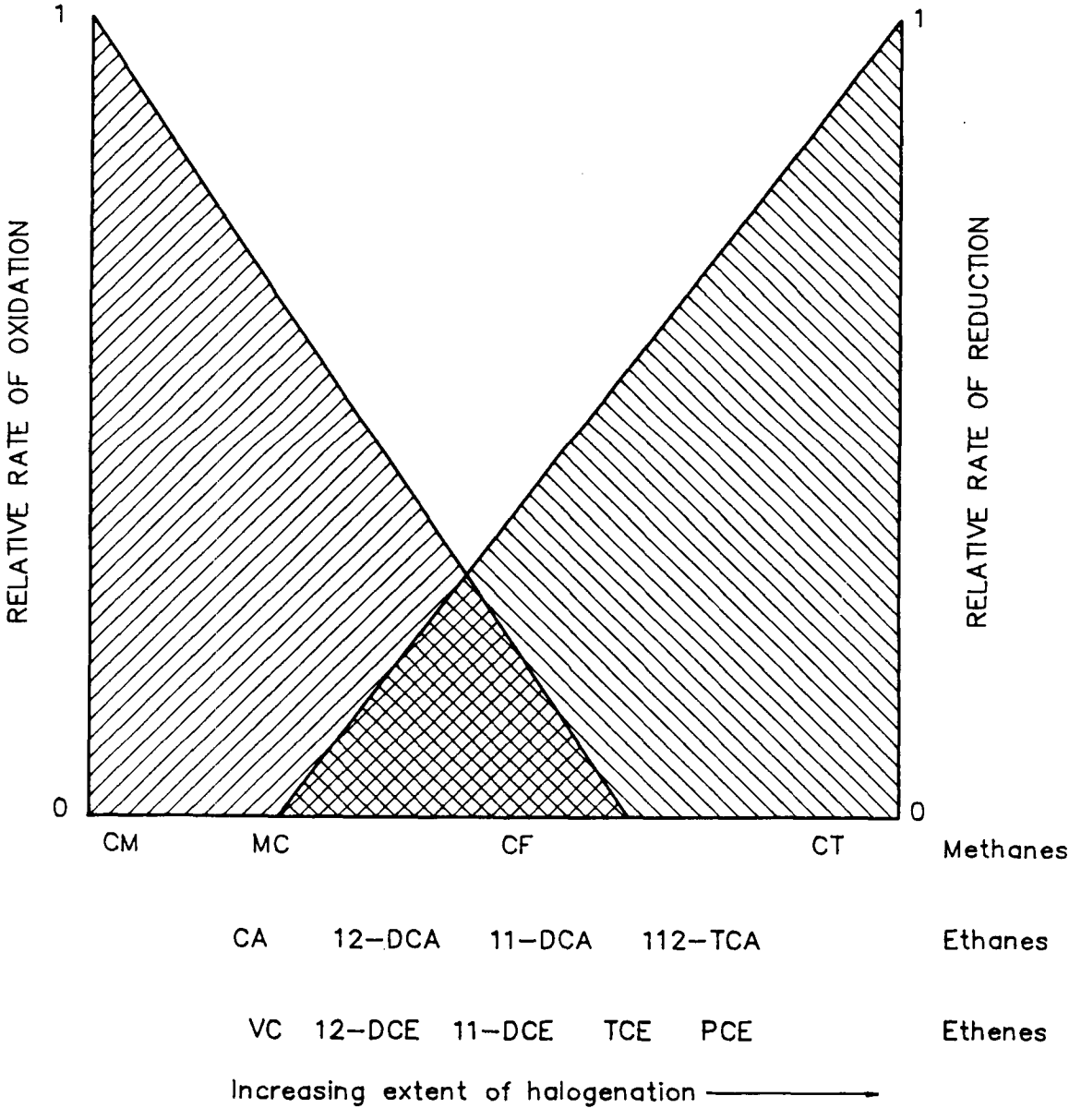
In addition to providing information concerning the transport of contaminants by ground water, contaminant ratios may indicate the activity of microorganisms in an aquifer. Contaminant ratios can indicate microbial activity because several minor contaminants used in ratio calculations are produced during the biotic transformation of major compounds such as PCE, TCE, and TCA. For example, 1,2-DCE is produced by reductive dechlorination of TCE under methanogenic conditions ($C0_2$ reducing).

Table H-2 summarizes the important biotic and abiotic chlorinated VOC transformations in NAS Moffett Field ground water. The majority of the transformations shown in Table 2 are oxidation-reduction reactions. A general discussion of oxidation-reduction (redox) processes in ground water can be found in basic ground-water or aqueous geochemistry texts. In general, the greater the number of chlorine atoms, the more oxidized the compound, and, therefore, the more likely that it will be reduced. Figure H-1 illustrates the relationship between levels of chlorination and the ease of oxidation or reduction of the chlorinated VOCs. The diagram of the relative rates of oxidation and reduction (Figure H-1) indicates PCE, TCE, and TCA are prone to reduction and vinyl chloride to oxidation.

TABLE H-2
CHLORINATED VOC TRANSFORMATION PROCESSES AT NAS MOFFETT FIELD

Contaminant	Process	Products
PCE	Reduction	TCE, 1,2-DCE, Vinyl Chloride, Ethene
TCE	Reduction	1,2-DCE, Vinyl Chloride, Ethene
1,1,1-TCA	Reduction	1,1-DCA, Chloroethane
	Hydrolysis	Acetic Acid
	Dehydrohalogenation	1,1-DCE
1,1-DCE	Reduction	Vinyl Chloride
Vinyl Chloride	Oxidation	$C0_2$, H_2O

RELATIVE RATES OF REDUCTION AND OXIDATION*



*AS A FUNCTION OF THE EXTENT OF HALOGENATION

SOURCE: VOGEL AND OTHERS, 1987

FIGURE H-1
NAS MOFFETT FIELD SITE 9
RELATIVE RATES OF
OXIDATION AND REDUCTION

FILE NAME:H:\01348RS\CF9\FIG-001.DWG

DATE:04/10/92 MDS

The manner in which chlorinated VOCs are transformed by biotic or abiotic reactions is determined by the redox state of the ground water. For example, PCE and TCE, compounds that are prone to reduction, will undergo reductive dechlorination by methanogenic bacteria under reducing conditions. If conditions are only slightly reducing, PCE, because it is more oxidized, may be reduced to a greater extent than TCE. As mentioned previously, ground water at NAS Moffett Field is slightly oxidizing. However, localized areas of reducing conditions are expected where significant amounts of organic matter are present in aquifer materials. It is in these reducing microenvironments that many of the minor contaminants are likely produced.

The chlorinated VOCs 1,2-DCE and 1,1-DCA are good indicators of the reductive dechlorination process because both are products of dechlorination reactions (Table H-2) and neither compound is as prone to redox reactions as their respective parent compounds (Figure H-1). Consequently, 1,2-DCE would be compared to its parent, TCE, and 1,1-DCA would be compared to TCA. However, the low ground-water concentrations of TCA and 1,1-DCA at NAS Moffett Field make a 1,1-DCA to TCA ratio a less effective indicator of dechlorination reactions compared to the 1,2-DCE to TCE ratio. Finally, 1,2-DCE and 1,1-DCA are further reductively dechlorinated in strongly reducing environments to vinyl chloride and chloroethane, respectively.

The application of relative contaminant ratio calculations is demonstrated in the following hypothetical example. Underground storage tanks (USTs) containing gasoline at an automobile service station were believed to leak. Several ground-water monitoring wells were installed downgradient of the USTs. Ground-water samples collected from these wells contained elevated levels of gasoline, 1,1-DCA, chloroethane, and trace levels of TCA and vinyl chloride. Ground-water samples collected upgradient of the service station were not contaminated. An inspection of the service station property found several leaking 55-gallon drums used to store spent degreasing solvent (mostly TCA). To determine the extent of downgradient contamination, additional wells were installed at varying distances downgradient of the service station. Gasoline contamination observed in samples collected from the additional wells decreased with distance from the service station, however, concentrations of TCA increased, 1,1-DCA and chloroethane decreased, and vinyl chloride was not observed. Ratios of 1,1-DCA to TCA were calculated from the available data and are as follows:

Sample Location	1,1-DCA/TCA
Drum storage area	0.01
UST area	100
100 feet downgradient	30
250 feet downgradient	10
500 feet downgradient	0.01

The four order of magnitude change in the 1,1-DCA to TCA ratio in the tank area suggests reductive dechlorination is active. The gradual decrease in the ratio downgradient indicates reductive dechlorination has diminished and some adsorption of 1,1-DCA by aquifer materials may have occurred. However, the three order of magnitude decrease in the ratio 500 feet downgradient suggests the 1,1-DCA has rapidly decreased or there is an additional source of TCA. Previous results indicated that, once it is produced, 1,1-DCA is reasonably stable in the ground water. Therefore, the rapid decrease in the 1,1-DCA to TCA ratio suggests an additional source of TCA. A third phase of monitoring wells installed on the basis of previous results, included a well near another service station a block downgradient of the original. Ground-water samples collected from this well contained significant levels of TCA and low levels of 1,1-DCA. Subsequent investigations of the second service station confirmed the additional source of TCA.

This general example illustrates some of the uses of chlorinated VOC ratios for evaluating observed changes in ground-water contaminant concentrations. As indicated in the example, only order of magnitude changes in contaminant ratios are considered significant variations.

APPENDIX I

CHANNEL CORRELATION DIAGRAMS

APPENDIX I

CHANNEL CORRELATION DIAGRAMS

The following channel correlation diagrams vertically delineate the four channel zones. The diagrams depict the vertical distribution of permeable sediments (sands and gravels) at cone penetrometer test (CPT) and soil boring locations. Note that these diagrams are not cross sections, they are geographical groupings of individual CPTs and borehole logs which are divided into south, central, and north areas of Site 9 to help identify variations in sediment texture across Site 9. Soil boring diagrams give the total depth (TD) of the soil borings; in general, CPTs were logged to a depth of 45 to 55 feet. The soil boring diagrams also give an indication of data quality by using a solid circle symbol for boreholes that were continuously sampled, a half-solid circle for boreholes that were sampled at selected intervals, and an open circle for boreholes that were logged by examination of the cuttings resulting from air-rotary drilling. These symbols are also used on the channel location maps for the four channel zones (Plates 3 through 6).

By comparing the vertical distribution of thicknesses of permeable sediments as logged by CPT equipment versus lithologic logging, it should be apparent that at many paired locations lithologic logs record much greater thicknesses of sand and gravel than CPT logs. Borehole/CPT pairs may show extreme disagreement in sand thicknesses with as much as 10 times more sand indicated on a lithologic log than on a CPT log at a particular channel zone. The borehole logs in these cases typically show flowing sands and have poor recovery in these intervals. One of two scenarios may be responsible for these discrepancies. First, the borehole may have been logged incorrectly on the basis of a small amount of sand that remained in the sampler when it was brought to the surface. If this is correct, it would be likely that the lost sample may consist of a liquefiable fine-grained sediment, such as a flowing silt. Secondly, it may also be possible that the high hydrostatic pressure of a flowing sand negates the intergranular friction between sand particles. Decreased intergranular friction may reduce the resistance of the sand to penetration by the tip of the CPT probe. Because tip resistance is a primary indicator of sediment grain size, the reduced tip resistance would cause the sand to be misidentified as a finer-grained sediment. To resolve this discrepancy, future field work will include additional attempts to obtain sediment samples at horizons where CPT logs indicate a liquefiable sediment may exist.

The channel correlation diagrams were used to correlate thick sand and gravel deposits and delineate the four channel zones. Because differential subsidence due to historical ground-water withdrawals may have occurred beneath NAS Moffett Field, the paleoslope cannot be estimated with confidence. Differences between the paleoslope and the present topographic slope can be minimized by grouping the borehole and CPT logs into three areas (south, central, and north) and visually estimating the depths and thicknesses of the channel zones. This allows approximate comparisons to be made about the characteristics of the different channel zones.

For instance, channel sediments are usually thicker in channel zone 2 than the other channel zones and a higher percentage of both CPT locations and boreholes appear to have more permeable sediments in this zone than others. The channel correlation diagrams also indicate that a relatively low percentage of locations in all three areas contain channel sediments corresponding to channel zone 1. The channel zone 1 network is perhaps representative of the latter stages of anastomosed channel development, where flows begin to concentrate into a single channel after aggrading the entire flood plain and reestablishing the original stream gradient.

LEGEND

SEDIMENT TYPE:

- CLAY, SILT
- SAND
- GRAVEL

BOREHOLE DRILLING/SAMPLING METHOD:

- HOLLOW STEM AUGER BOREHOLE CONTINUOUS SPLIT SPOON SAMPLING
- HOLLOW STEM AUGER BOREHOLE SPLIT SPOON SAMPLING AT SELECTED INTERVALS
- AIR ROTARY BOREHOLE LOGGED FROM CUTTINGS

HORIZONTAL SPACING NOT TO SCALE

ELEVATIONS ARE IN FEET RELATIVE TO MEAN SEA LEVEL

VERTICAL SCALE: 1 INCH = 10 FEET

FIGURE I-1
NAS MOFFETT FIELD SITE 9
EXPLANATION FOR CORRELATION DIAGRAMS

DATE: 04/13/98 MDS FILE NAME: 0134RS\CFB\BORLOG1.DWG

DATE: 04/13/92 MOS FILE NAME: 0134RS\CF9\BORLOG1.DWG

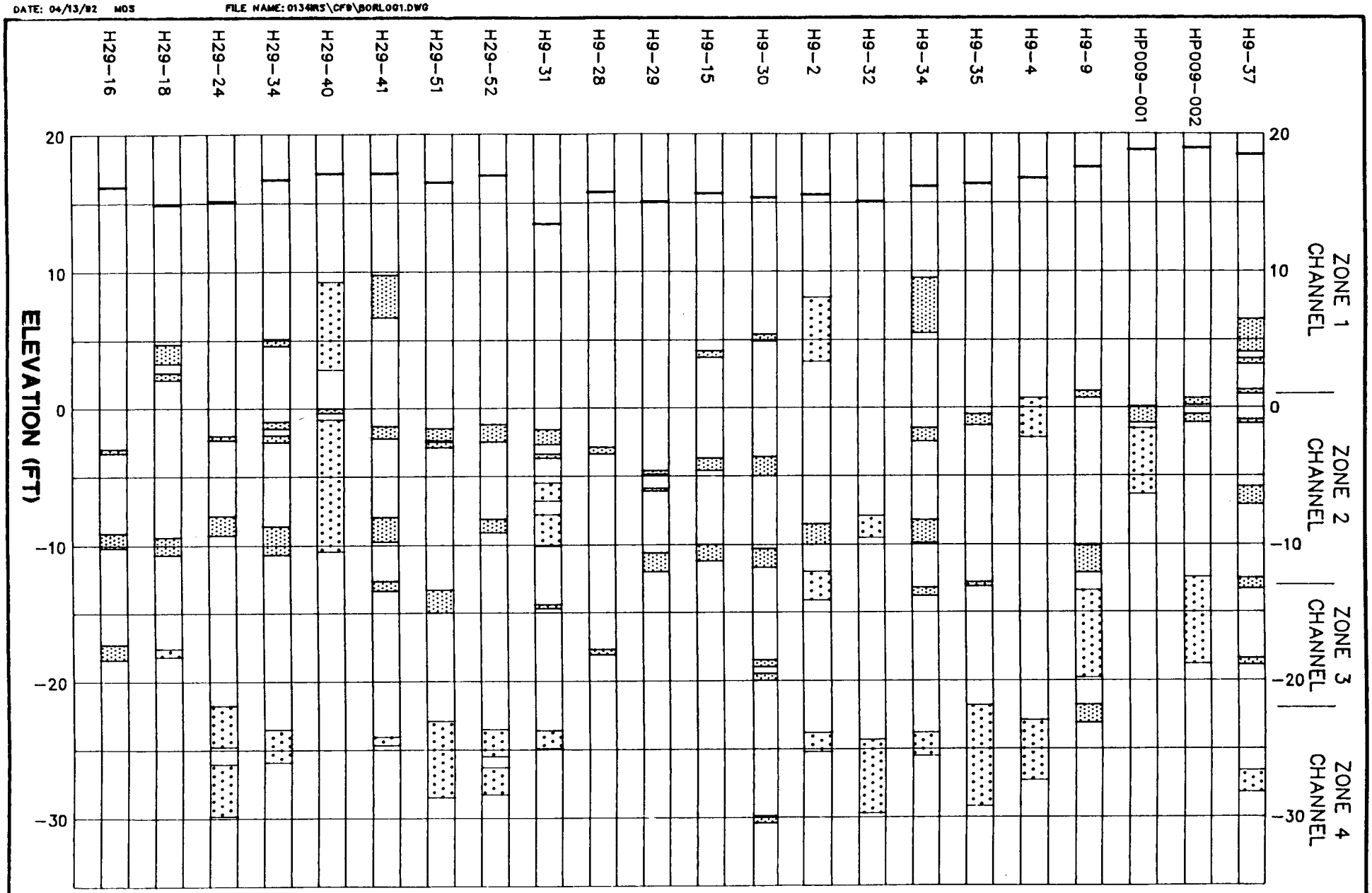


FIGURE 1-2
NAS MOFFETT FIELD SITE 9
CORRELATION DIAGRAM-NORTH CPTs

DATE: 04/13/92 MOS FILE NAME: 0134IRS\CF9\BORLOG2.DWG

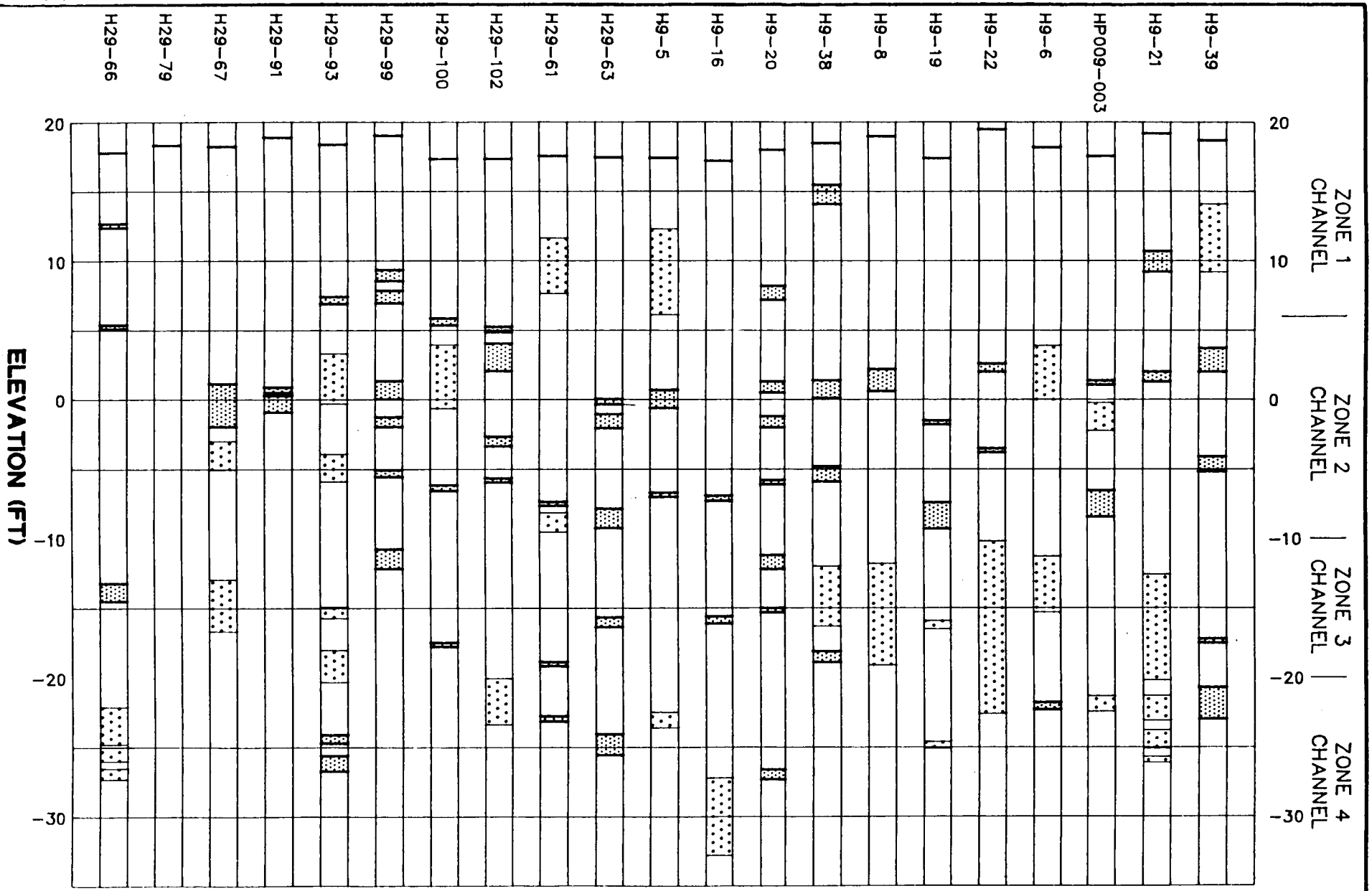


FIGURE I-3
NAS MOFFETT FIELD SITE 9
CORRELATION DIAGRAM-CENTRAL CPTs

DATE:04/13/92 FILE NAME:0134RS\CF9\BORL003.DWG

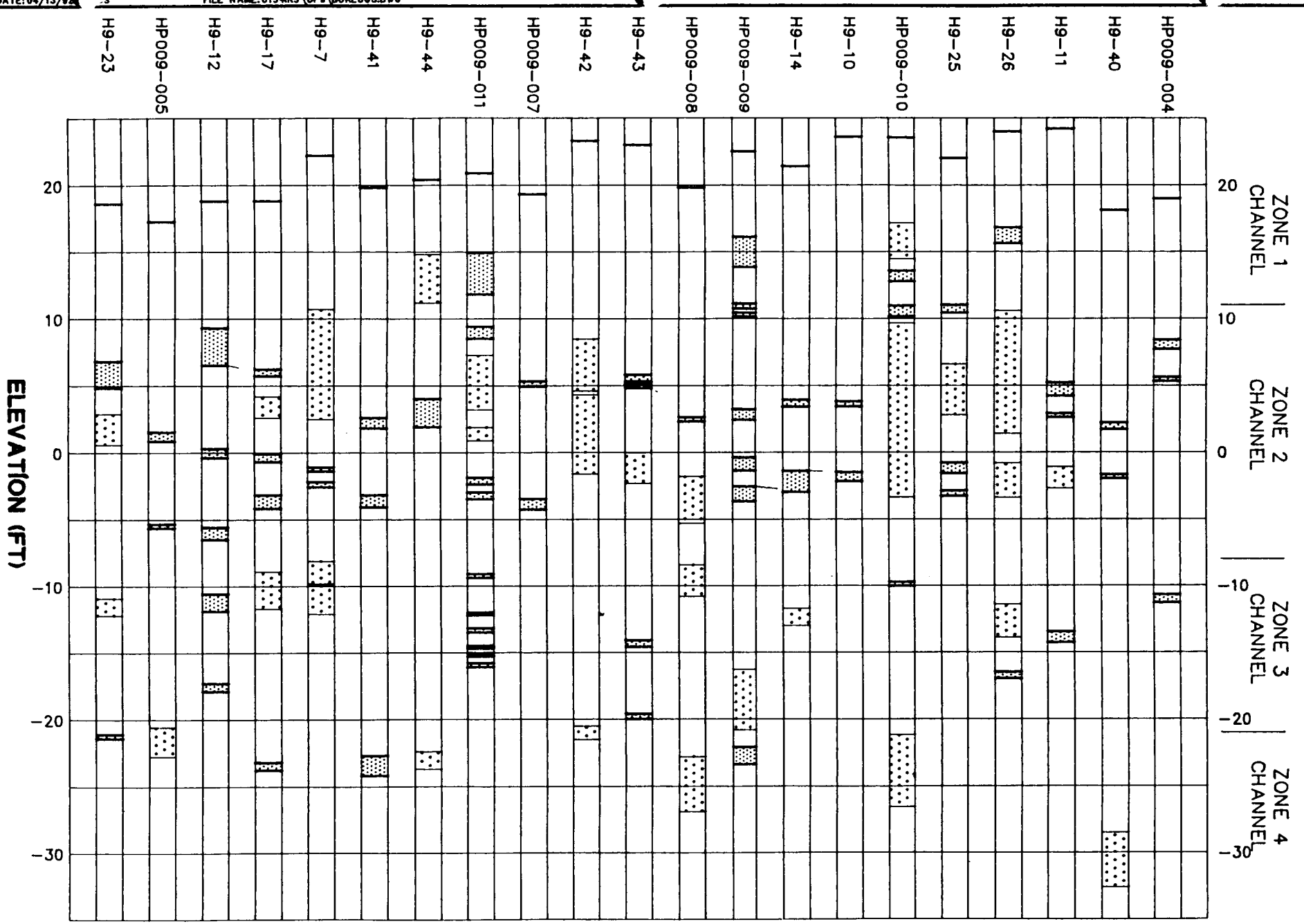


FIGURE 1-4
NAS MOFFETT FIELD SITE 9
CORRELATION DIAGRAM-SOUTH CPT

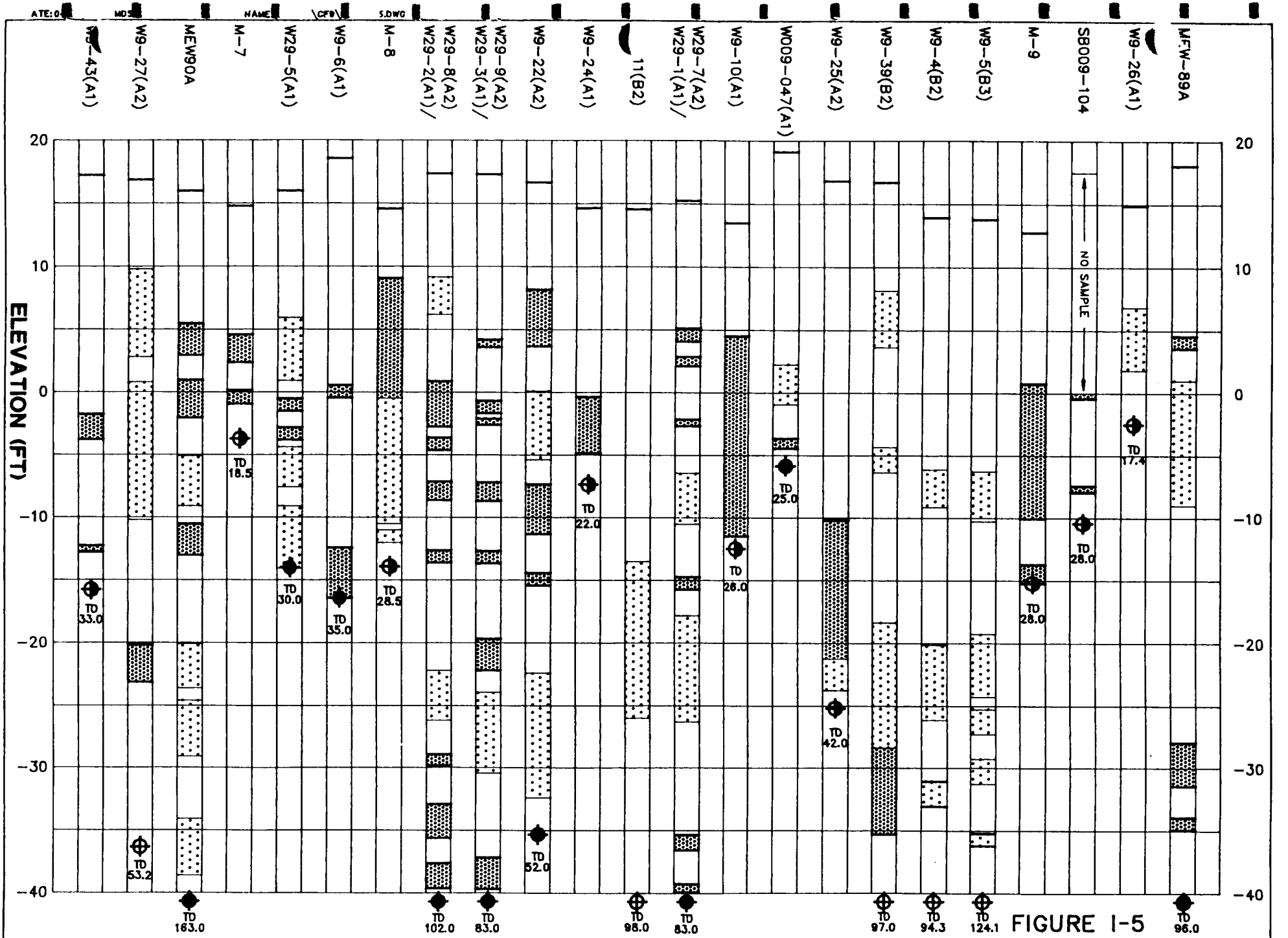


FIGURE 1-5

NAS MOFFETT FIELD SITE 9

CORRELATION DIAGRAM-NORTH BOREHOLES

DATE:04/13/92 MDS FILE NAME:0134IRS\CF9\BORLOG4.DWG

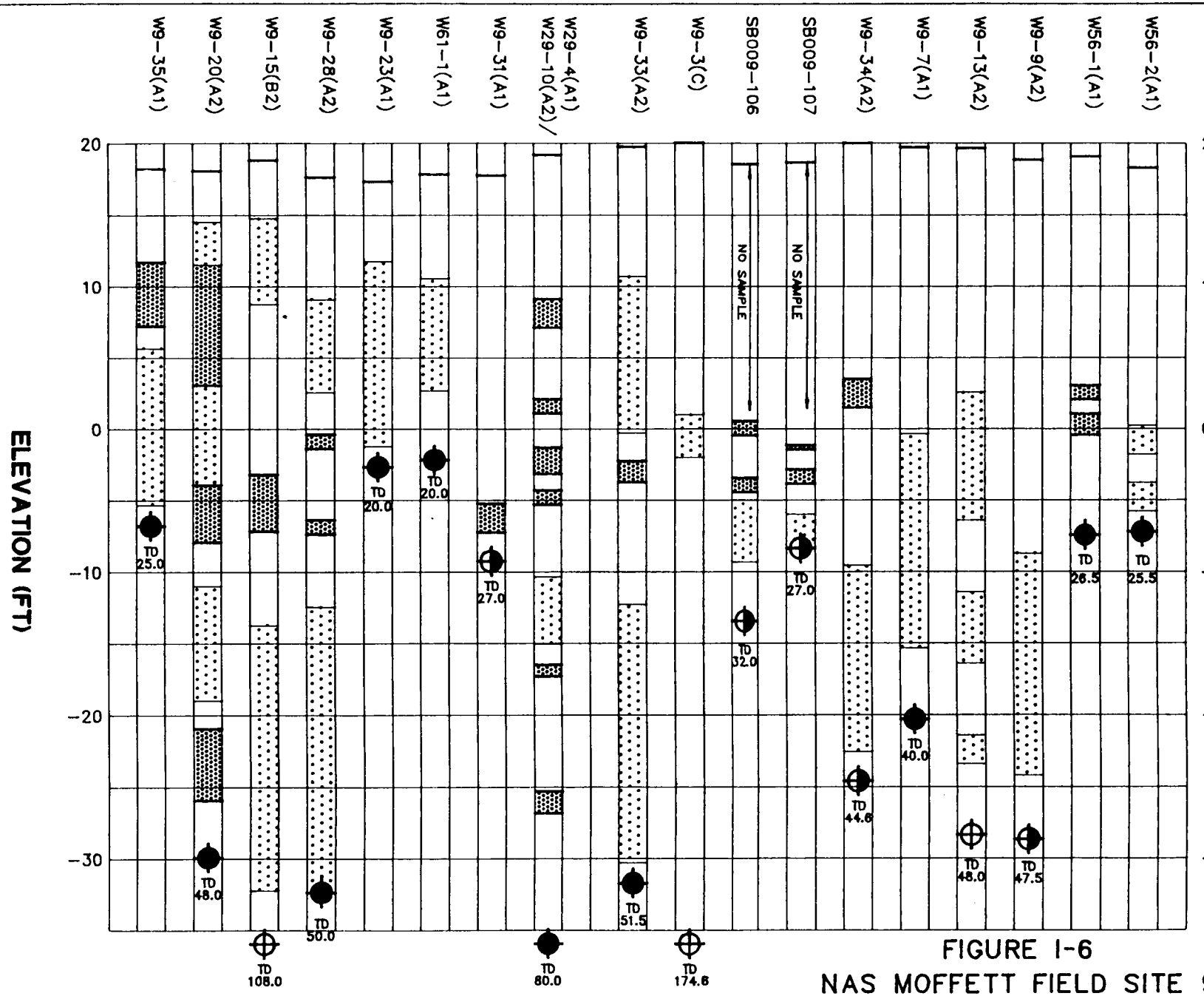


FIGURE 1-6
NAS MOFFETT FIELD SITE 9
CORRELATION DIAGRAM-CENTRAL BOREHOLES

DATE:04/13/92 FILE NAME:0134WRS\CF9\BORLOGB.DWG

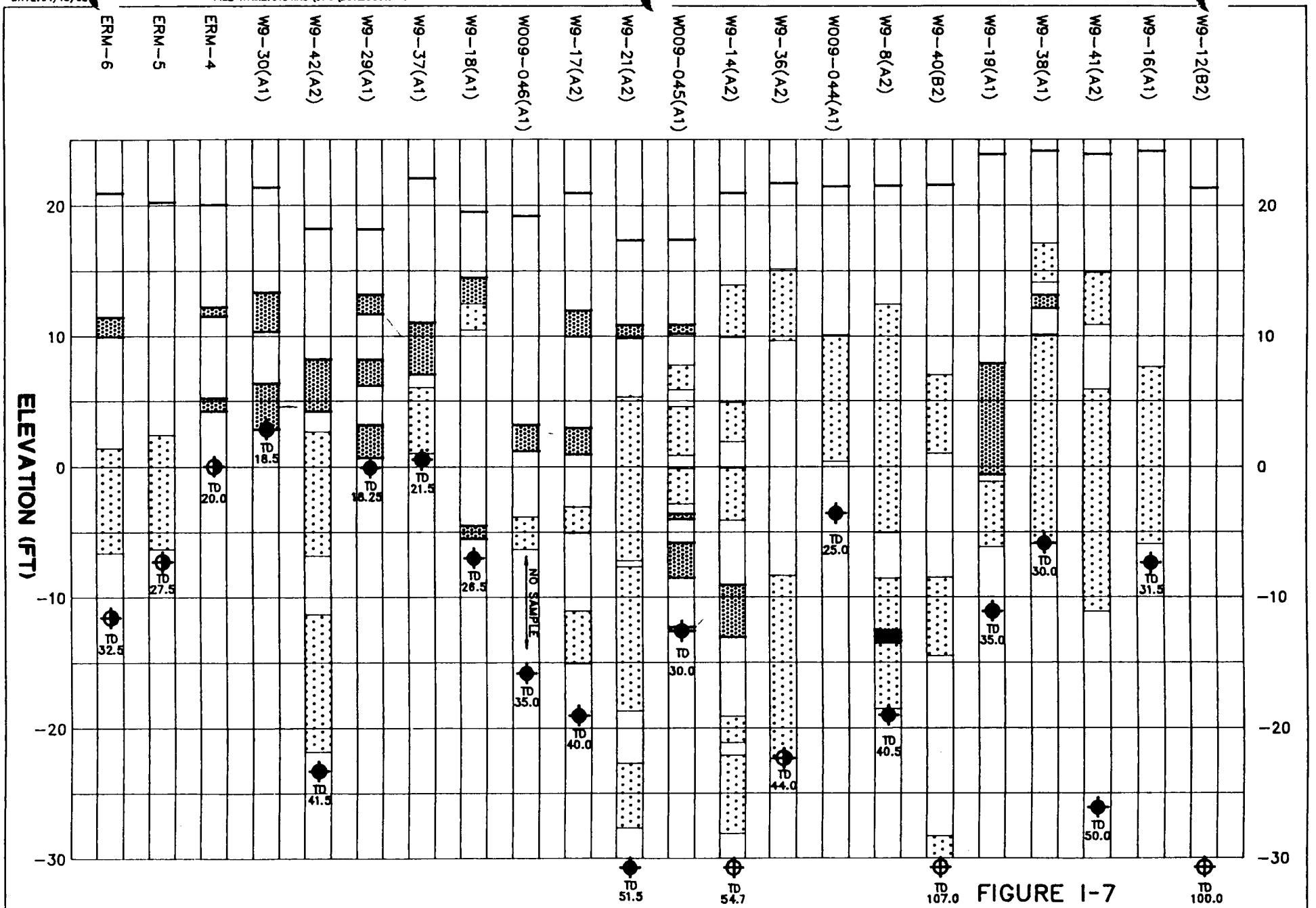


FIGURE 1-7

NAS MOFFETT FIELD SITE 9

CORRELATION DIAGRAM-SOUTH BOREHOLES

DATE:04/13/92 MDS FILE NAME:0134RS\CF9\BORLOG7.DWG

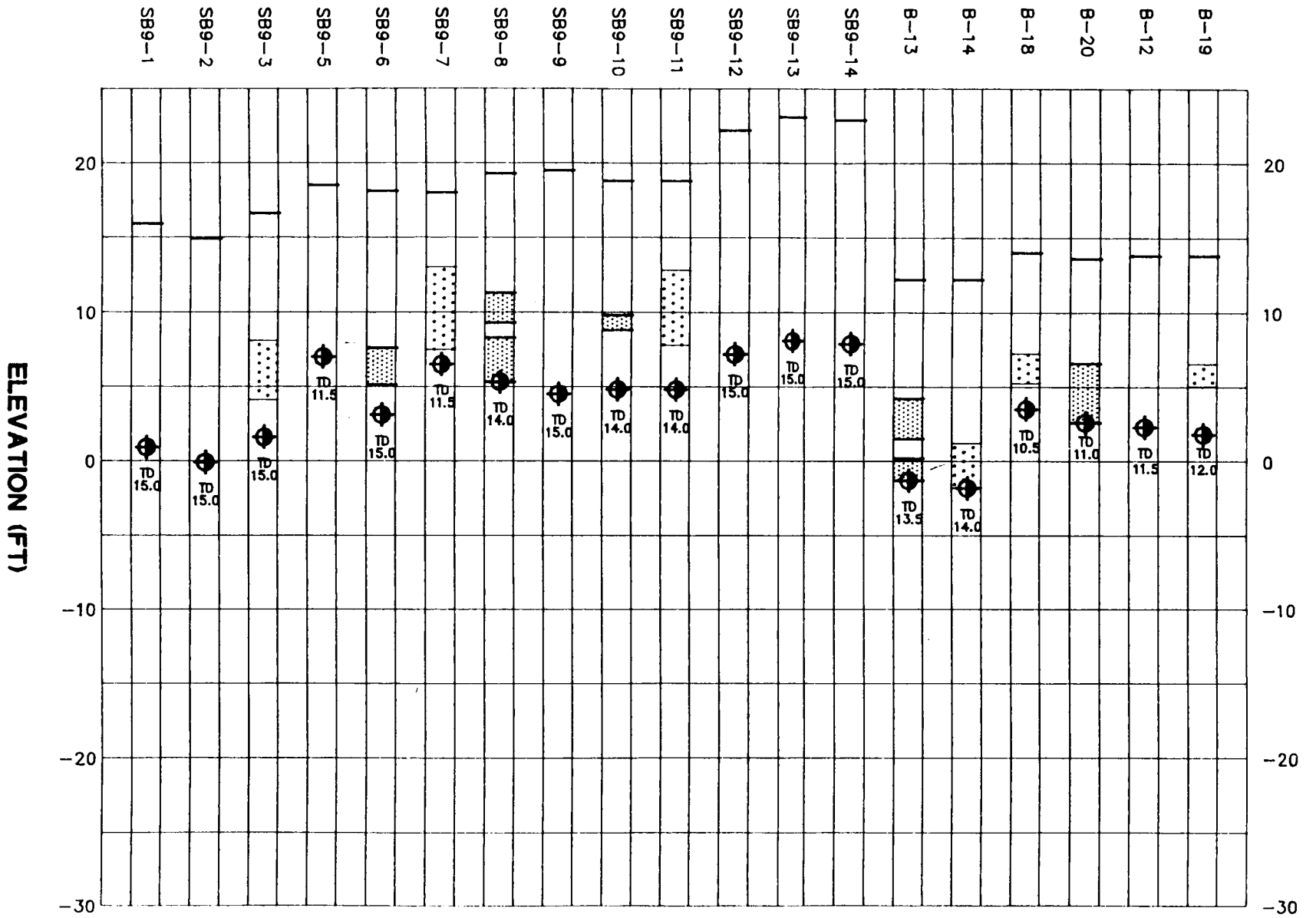


FIGURE I-8
NAS MOFFETT FIELD SITE 9
CORRELATION DIAGRAM-SHALLOW BOREHOLES (SITE-WIDE)