N60258.000221
NSY LONG BEACH
SSIC # 5090.3

CH2M HILL TELEPHONE CONVERSATION RECORD

CALL TO city of LONG BEACH
CITY ENGINEER DEPT OF OIL PROPERTIES

PHONE NO (310) 590-6771 city engineer

DATE 12/2/91

CALL FROM JOHN LOVENBURG

TIME 12:10 ☐ AM ☑ PM

MESSAGE TAKEN BY

PROJECT NO. LAO 32287.23.SR

SUBJECT SALT WATER INJECTION WELLS AT OR NEAR LONG BEACH NAVAL SHIPYARD

DEPTH, NUMBER, INJECTION VOLUMES, AQUIFERS INJECTING INTO, ETC.

→ PIER E

(310) 590-6070

dept. of oil properties may help MGR. JAMES HEMPHILL

① city engineer does not control injection wells. ② Connected me w/ the dept. of oil propertied. Suggested I call:

③ DEPT. OF OIL & GAS (310) 590-5311 If they can't help call back to dept. of oil properties.

* VIEW WELL FILES

* KEN CARLSON - operations engineer
left message. Ken will call me back. Out to lunch.

12/2 2:15 P.M DAVID SANCHEZ - now handles injection wells, not Ken Carlson.
David Sanchez returns tomorrow, will call me.

12/3 10:45 DAVID CALLED
have on record:
① water quality of injected water
② well completion data well files - public record
DOWNTOWN LONG BEACH
PACIFIC & BROADWAY

generally >3000' deep barrel/42 gallons
volumes: 1000 bbl - 500 barrel/day
strange looking building

1.1 more times water injected than oil extracted to ensure no subsidence

DOMINGUEZ GAP BARRIER PROJECT: LA COUNTY CONTROLS

FORM 4

SALT WATER INJECTION WELLS

GENERALLY >3000' DEEP

INJECT ~500 - 1000 barrels/day 42 gal/barrel

21,000 gal - 42,000 gal/day

20,000 - 40,000 gal/day

15 - 30 gpm