

El Paso
Natural Gas Company

P. O. BOX 1492
EL PASO, TEXAS 79978
PHONE: 915-541-2600

February 25, 1985

Director
New Mexico Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501

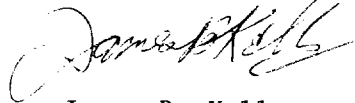
Reference: Tracer Log - Shell State SWD #13-1,
Sec. 32, 23S, 37E
Jal No. 4 Plant SWD #214

Dear Sir:

Enclosed is a copy of the Tracer Log which was run on the above captioned well on February 17, 1985 as an annual requirement requested by your Division.

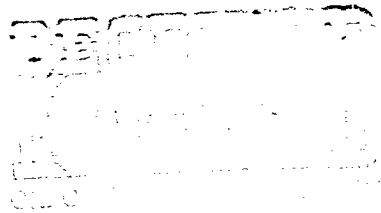
Should additional information be required, please advise.

Sincerely yours,



James B. Kelly
Senior Environmental Engineer
Environmental Affairs Department

mts
Enclosure



NEW MEXICO OIL CONSERVATION COMMISSION

APPLICATION TO DISPOSE OF SALT WATER BY INJECTION INTO A POROUS FORMATION

OPERATOR El Paso Natural Gas Company		ADDRESS P. O. Box 1492, El Paso, Texas 79978			
LEASE NAME El Paso Nat. Gas Co.-Shell State	WELL NO. 13	FIELD Langlie - Mattox		COUNTY Lea	
LOCATION UNIT LETTER "L" ; WELL IS LOCATED 660 FEET FROM THE West LINE AND 1980 FEET FROM THE South LINE, SECTION 32 TOWNSHIP 23-S RANGE 37-E NMPM.					
CASING AND TUBING DATA					
NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
SURFACE CASING	7-5/8	256	180	Circulated	
INTERMEDIATE	None				
LONG STRING	4-1/2	3719	200	2600' 1935'	Cmt Bond log calculated
TUBING	2-3/8	3219	NAME, MODEL AND DEPTH OF TUBING PACKER		
NAME OF PROPOSED INJECTION FORMATION Greyburg			TOP OF FORMATION 3820		BOTTOM OF FORMATION 3995 T.D.
IS INJECTION THROUGH TUBING, CASING, OR ANNULUS? Tubing		PERFORATIONS OR OPEN HOLES? Perfs.		PROPOSED INTERVAL(S) OF INJECTION 3930 to 3990	
IS THIS A NEW WELL DRILLED FOR DISPOSAL? No		IF ANSWER IS NO, FOR WHAT PURPOSE WAS WELL ORIGINALLY DRILLED? Queen - Oil		HAS WELL EVER BEEN PERFORATED IN ANY ZONE OTHER THAN THE PROPOSED INJECTION ZONE? Yes	
LIST ALL SUCH PERFORATED INTERVALS AND SACKS OF CEMENT USED TO SEAL OFF OR SQUEEZE EACH					
Yates - 3000 to 3184 and Queen 3537 to 3684 - Will squeeze both					
DEPTH OF BOTTOM OF DEEPEST FRESH WATER ZONE IN THIS AREA 1600		DEPTH OF BOTTOM OF NEXT HIGHER OIL OR GAS ZONE IN THIS AREA Queen 3770		DEPTH OF TOP OF NEXT LOWER OIL OR GAS ZONE IN THIS AREA Glorieta - 5130	
ESTIMATED DAILY PRODUCTION VOLUME (BBLs.)	MINIMUM 75	MAXIMUM 500	OPEN OR CLOSED TYPE SYSTEM Closed	IS INJECTION TO BE BY GRAVITY OR PRESSURE? Gravity	APPROX. PRESSURE (PSIG) Hydrostatic
DOES ANY OF THE FOLLOWING WATERS ARE MINERALIZED TO SUCH A DEGREE AS TO BE UNFIT FOR DOMESTIC, STOCK, IRRIGATION, OR OTHER GENERAL USE -			WATER TO BE DISPOSED OF Yes	NATURAL WATER IN DISPOSAL ZONE Yes	ARE WATER ANALYSES ATTACHED? Yes
NAME AND ADDRESS OF SURFACE OWNER (OR LESSEE, IF STATE OR FEDERAL LAND) State Owned					
LIST NAMES AND ADDRESSES OF ALL OPERATORS WITHIN ONE-HALF (1/2) MILE OF THIS INJECTION WELL Getty Oil Company, Box 1231, Midland, Texas 79702					
HAVE COPIES OF THIS APPLICATION BEEN SENT TO EACH OF THE FOLLOWING?					
SURFACE OWNER Yes		EACH OPERATOR WITHIN ONE-HALF MILE OF THIS WELL Yes			
THE FOLLOWING ITEMS ATTACHED TO THIS APPLICATION (SEE RULE 701-B)		ELECTRICAL LOG Yes		DIAGRAMMATIC SKETCH OF WELL Yes	

I hereby certify that the information above is true and complete to the best of my knowledge and belief.



(Signature)

Senior Engineer

(Title)
9-25-79

(Date)

NOTE: Should waivers from the surface owner and all operators within one-half mile of the proposed injection well not accompany this application, the New Mexico Oil Conservation Commission will hold the application for a period of 15 days from the date of receipt by the Commission's Santa Fe office. If at the end of the 15-day waiting period no protest has been received by the Santa Fe office, the application will be processed. If a protest is received, the application will be set for hearing, if the applicant so requests. SEE RULE 701.

JAL NO. 4 PLANT SWD WELL NO. 1

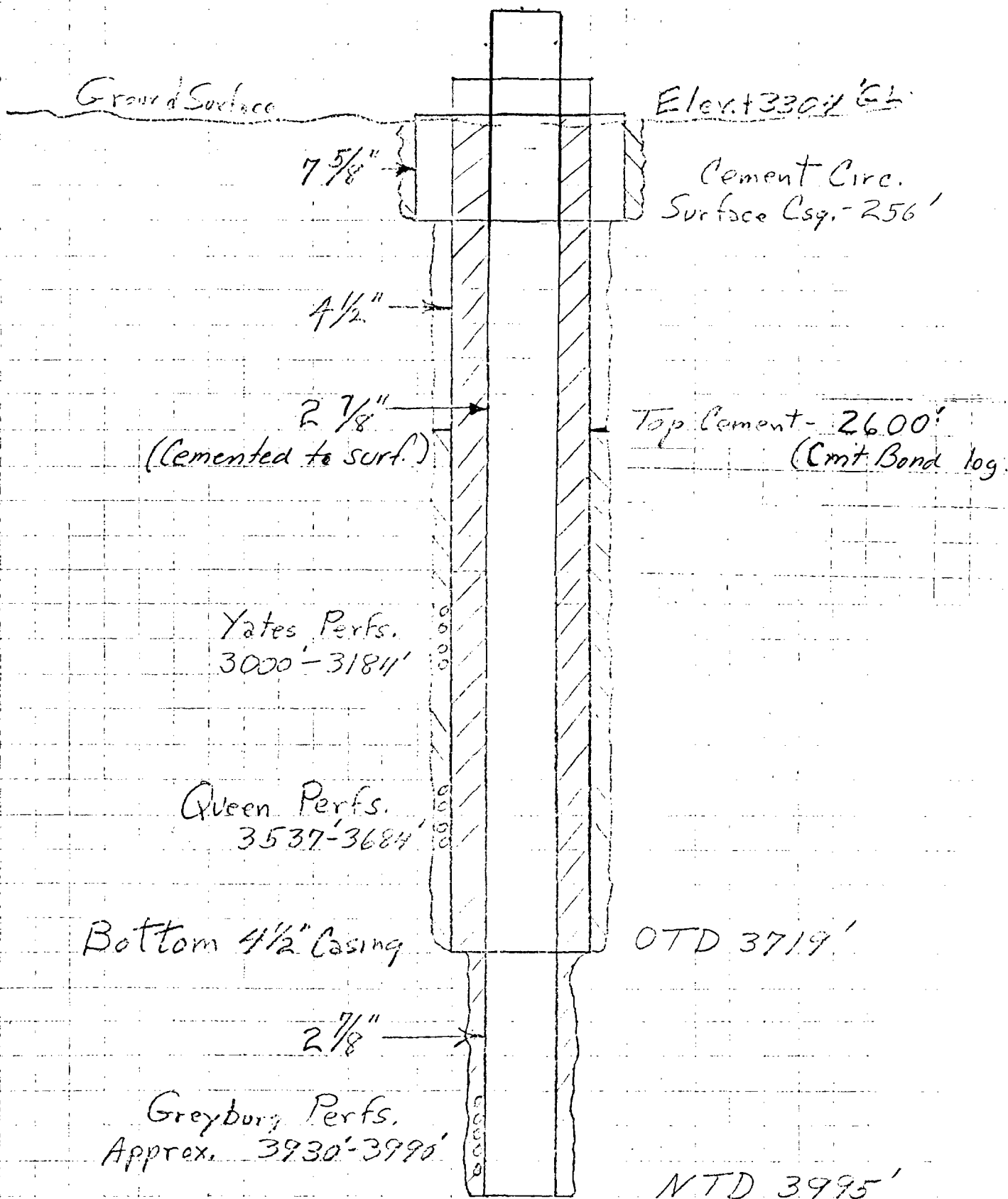
EL PASO NATURAL GAS CO. - SHELL STATE NO. 13

NW/4, SW/4, Sec 32, T-26-S, R-37-E, LEA COUNTY, NM

Recommended Completion Procedure:
(Amended 10/31/79)

1. MOL & RU Workover Unit.
2. Pull & lay down 3200' of 2 3/8" EUE tbg.
3. Run wireline gauge ring tag TD @ 3325'. Run CBL found top of cement @ 2600' behind 4½" csg.
4. Run cement retainer, squeeze Yates perforations from 3000' to 3184'. Sting out of retainer, reverse cmt to pits. WOC.
5. Tag top of retainer or cmt, drill and clean out to TD 3696'.
6. POH w/bit & drill string, run cement retainer.
7. Set cement retainer and squeeze Queen perforations from 3537' to 3684'. Sting out of retainer, reverse cement to pit. WOC.
8. Tag top of retainer or cement, drill to TD - 3995'.
9. POH w/bit & drill pipe. Run open hole & cased hole logs.
10. Run 2 7/8" Non-EUE tubing to TD & cement back to surface. WOC.
11. Spot acid & perforate 2 7/8" in Grayburg.
12. Frac Grayburg and run injection rate tests.
13. RD and release WU. Tie well into disposal system.

J₂/No. 1 Plant SWD Well No. 1
El Paso Natural Gas Co - Shell State No. 13
NW 1/4 SW 1/4 Sec. 32, T23S, R37E, Lea County, N.M.



Amended Proposed Completion - JBF