

NEW MEXICO OIL CONSERVATION COMMISSION

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

OPERATOR Shell Oil Company		ADDRESS P.O. Box 1509, Midland, Texas 79701	
LEASE NAME Hall Federal	WELL NO. 1	FIELD Antelope Ridge	COUNTY Lea
LOCATION UNIT LETTER _____; WELL IS LOCATED 660 FEET FROM THE north LINE AND 1980 FEET FROM THE east LINE, SECTION 9 TOWNSHIP 24S RANGE 34 NMPM.			
CASING AND TUBING DATA			
NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT
SURFACE CASING	20"	1060'	1785
INTERMEDIATE	13 3/8"	5500'	3293
LONG STRING	9 5/8"	12,530'	3200
TUBING	NAME, MODEL AND DEPTH OF TUBING PACKER None		
NAME OF PROPOSED INJECTION FORMATION Delaware Sand		TOP OF FORMATION 5200	BOTTOM OF FORMATION 5800
IS INJECTION THROUGH TUBING, CASING, OR ANNULUS? Tubing		PERFORATIONS OR OPEN HOLES? Perforations	PROPOSED INTERVAL(S) OF INJECTION 5200 - 5300 and 5700 - 5800
IS THIS A NEW WELL DRILLED FOR DISPOSAL? No	IF ANSWER IS NO, FOR WHAT PURPOSE WAS WELL ORIGINALLY DRILLED? Penn. Producer		HAS WELL EVER BEEN PERFORATED IN ANY ZONE OTHER THAN THE PROPOSED INJECTION ZONE? No
LIST ALL SUCH PERFORATED INTERVALS AND SACKS OF CEMENT USED TO SEAL OFF OR SQUEEZE EACH			
DEPTH OF BOTTOM OF DEEPEST FRESH WATER ZONE IN THIS AREA - 1000 ft.		DEPTH OF BOTTOM OF NEXT HIGHER OIL OR GAS ZONE IN THIS AREA	DEPTH OF TOP OF NEXT LOWER OIL OR GAS ZONE IN THIS AREA
ANTICIPATED DAILY INJECTION VOLUME (BBL/S.) 1000	MINIMUM 500	MAXIMUM 1000	OPEN OR CLOSED TYPE SYSTEM Closed
ANSWER YES OR NO WHETHER THE FOLLOWING WATERS ARE MINERALIZED TO SUCH A DEGREE AS TO BE UNFIT FOR DOMESTIC, STOCK, IRRIGATION, OR OTHER GENERAL USE -		IS INJECTION TO BE BY GRAVITY OR PRESSURE? Pressure	APPROX. PRESSURE (PSI) 1000 psi (max)
WATER TO BE DISPOSED OF Dev. and Penn.		NATURAL WATER IN DISPOSAL ZONE	ARE WATER ANALYSES ATTACHED? yes
NAME AND ADDRESS OF SURFACE OWNER (OR LESSEE, IF STATE OR FEDERAL LAND) Rubert Madera, Box 1224, Jal, New Mexico			
LIST NAMES AND ADDRESSES OF ALL OPERATORS WITHIN ONE-HALF (1/2) MILE OF THIS INJECTION WELL Shell Oil Company - Antelope Ridge Unit			
HAVE COPIES OF THIS APPLICATION BEEN SENT TO EACH OF THE FOLLOWING?	SURFACE OWNER X	EACH OPERATOR WITHIN ONE-HALF MILE OF THIS WELL	THE NEW MEXICO STATE ENGINEER X
ARE THE FOLLOWING ITEMS ATTACHED TO THIS APPLICATION (SEE RULE 701-B)	PLAT OF AREA X	ELECTRICAL LOG None available	DIAGRAMMATIC SKETCH OF WELL X

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

<u>R. J. Dole</u> (Signature)	<u>Division Mechanical Engineer</u> (Title)	<u>July 26, 1966</u> (Date)
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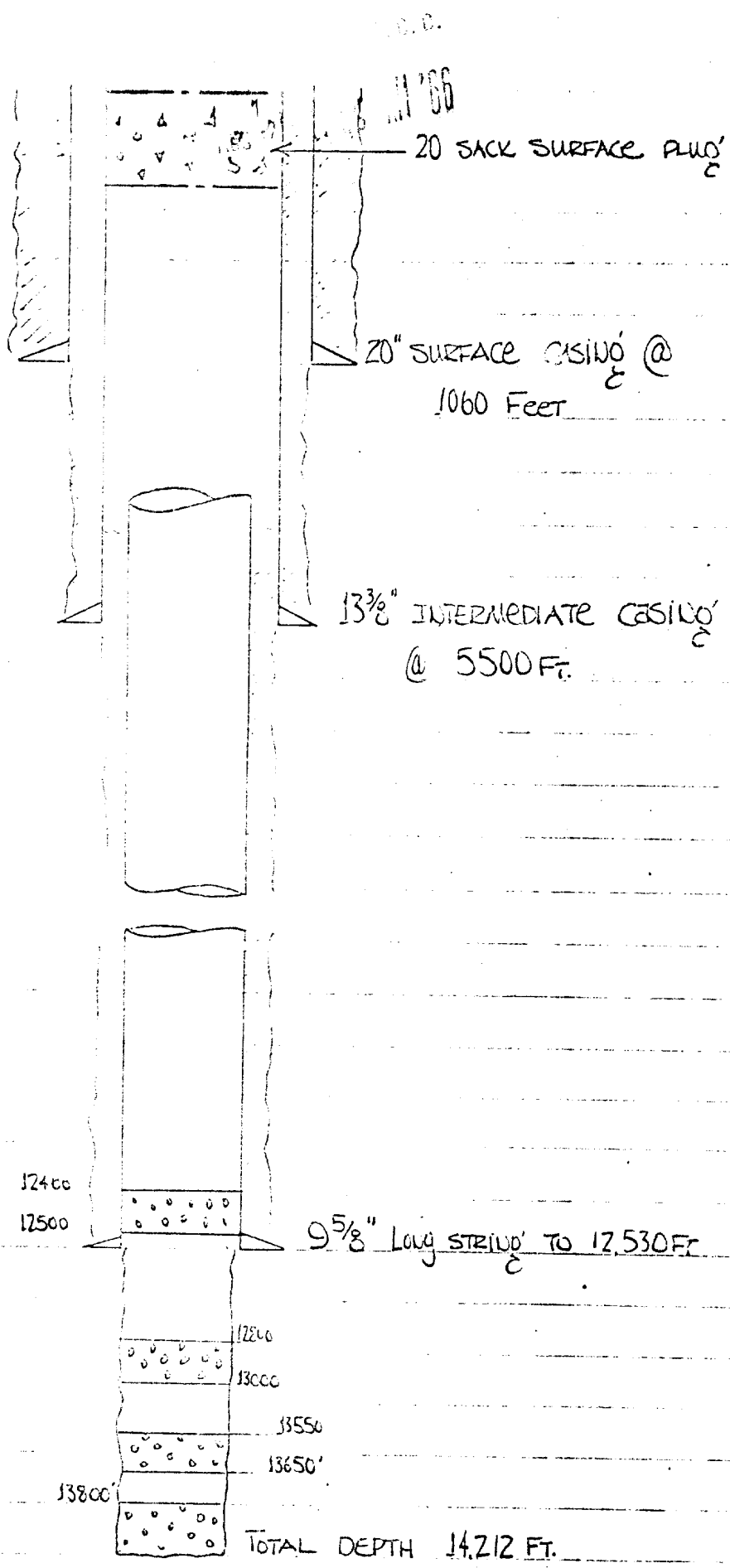
NOTE: Should waivers from the State Engineer, the surface owner, and all operators within one-half mile of the proposed injection well, not accompany this application, the New Mexico Oil Conservation Commission will hold the application for a period of 15 days from the date of receipt by the Commission's 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.

WELL Federal No. 1
 Antelope Ridge Field
 Col County, New Mexico

Delaware Sand 5282 Ft.

Boyle Spindle 8887 Ft.

Pennsylvanian 12,380 Ft.



WSPC
 SHELL OIL COMPANY

