

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSIONAPPLICATION
TO DISPOSE OF SALT WATER BY INJECTION INTO A POROUS FORMATION
NOT PRODUCTIVE OF OIL OR GAS

Operator The Pure Oil Company Address P. O. Box 1777 - Hobbs, New Mexico
Lease State-Lea "I" Well No. 1-36 County Lea
Unit M Section 36 Township 18S Range 35E

This is an application to dispose of salt water produced from the following pool(s):

South Vacuum Devonian

Name of Injection Formation(s): Delaware

Top of injection zone: 5800' Bottom of injection zone: 7030'

Give operator, lease, well no., and location of any other well in this area using this same

zone for disposal purposes: None

CASING PROGRAM

	Diameter	Setting Depth	Sacks Cement	Top of Cement
Surface	<u>11-3/4"</u>	<u>455'</u>	<u>475</u>	<u>Surface</u>
Intermediate	<u>8-5/8"</u>	<u>3801'</u>	<u>1235</u>	<u>Surface</u>
Long String	<u>* Liner</u> <u>5-1/2"</u>	<u>3750'-5800'</u>	<u>500</u>	<u>Into Intermediate</u>

Will injection be through tubing, casing, or annulus? Plastic-coated tubing

Size tubing: 3" Setting depth: 5780 Packer set at: 5750

Name and Model No. of packer: Baker Model D

Will injection be through perforations or open hole? Open Hole

Proposed interval(s) of injection: 5800'-7030' from bottom 5-1/2" liner to top cement plug

Well was originally drilled for what purpose? Oil Well (Completed as dry hole)

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:

None

Give depth of bottom of next higher zone which produces oil or gas: None in this well

Give depth of top of next lower zone which produces oil or gas: None in this well

Give depth of bottom of deepest fresh water zone in area: 350' (Estimated)

Expected volume of salt water to be injected daily (barrels): 1100 (Initially)

Will injection be by gravity or pump pressure? Pressure Estimated pressure: 500 psi

Is system open or close type? Closed Is filtration or chemical treatment necessary? No

* To be set - Not presently in well

Is the water to be disposed of mineralized to such a degree as to be unfit for domestic, stock, irrigation, and/or other general use? Yes

Is any water occurring naturally within the proposed disposal formation mineralized to such a degree as to be unfit for domestic, stock, irrigation, and/or other general use? Yes

List all offset operators to the lease on which this well is located and their mailing address

Atlantic Refining Company - P. O. Box 6640 - Roswell, New Mexico

Cities Service Petroleum Company - P. O. Box 868 - Roswell, New Mexico

Shell Oil Company - P. O. Box 845 - Roswell, New Mexico

Union Oil Company of California - 619 West Texas - Midland, Texas

Sinclair Oil & Gas Company - P. O. Box 1470 - Midland, Texas

Name and address of surface owner W. M. Snyder, Box 726 - Lovington, New Mexico

Have copies of this application been sent by registered mail or given to all offset operators, surface owners, and to the New Mexico State Engineer? Yes

Is a complete electrical log of this well attached? Yes

Operator: The Pure Oil Company

By: Wylie R. Barrow, Jr.
Wylie R. Barrow, Jr.

Title: Petroleum Engineer

STATE OF New Mexico)
) ss.
County of Lea)

BEFORE ME, The undersigned authority, on this day personally appeared Wylie R. Barrow, Jr. known to me to be the person whose name is subscribed to the above instrument, who being by me duly sworn on oath states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein and that said report is true and correct.

SUBSCRIBED AND SWORN TO before me this the 23 day of October, 19 61.

Lester J. Hale
Notary Public in and for the County of Lea

24/26/62
My Commission Expires

NOTE: Should waivers from all offset operators, the surface owner, and the State Engineer not accompany an application, the New Mexico Oil Conservation Commission will hold the application for a period of fifteen (15) days from date of receipt by the Commission's Santa Fe office. If at the end of said fifteen-day period, no protest nor request for hearing is received by the Santa Fe office, the application will then be processed.