



## THE PURE OIL COMPANY

SOUTHERN PRODUCING DIVISION • Hobbs District

P. O. BOX ~~1777~~ • HOBBS, NEW MEXICO • Express 7-1170

1777

SWD - 32

October 23, 1961

Due Date Decl

New Mexico Oil Conservation Commission  
P. O. Box 871  
Santa Fe, New Mexico

Attention: Mr. A. L. Porter, Jr., Secretary Director

Dear Sir:

The Pure Oil Company respectfully requests permission to dispose of salt water in its State "I" #1-36, located 997' FSL & 330' FWL of Section 36, T18S-R35E, Lea County, New Mexico. This well, a Devonian dry hole, will be cased and cemented so that there will be no danger to oil, gas, or fresh water reservoirs.

The proposed disposal zone is the Delaware from 5800' to 7030'. This formation is non-productive of oil or gas within a radius of two miles of the proposed well, and the Delaware formation water is mineralized to such a degree to be unfit for domestic, stock, irrigation and/or other general use.

The water to be disposed is produced Devonian water from the South Vacuum Devonian Field, and this water is also mineralized to such a degree as to be unfit for domestic, stock, irrigation and/or other general use.

Attached in triplicate is Commission form "Application to Dispose of Salt Water by Injection into a Porous Formation Not Productive of Oil or Gas". Copies of this application have been sent to the State Engineer's Office, and the surface owner. There is no offset production other than the South Vacuum Unit operated by The Pure Oil Company. Additional copies of this application have been sent to lease holders surrounding this well and to the other working interest owners in the South Vacuum Unit.

Yours very truly,

THE PURE OIL COMPANY

*H. G. Teague*

H. G. Teague  
District Superintendent

1777

October 23, 1961

New Mexico Oil Conservation Commission  
P. O. Box 871  
Santa Fe, New Mexico

Attention: Mr. A. L. Porter, Jr., Secretary Director

Dear Sir:

The Pure Oil Company respectfully requests permission to dispose of salt water in its State "I" #1-36, located 997' FSL & 330' FWL of Section 36, T18S-R35E, Lea County, New Mexico. This well, a Devonian dry hole, will be cased and cemented so that there will be no danger to oil, gas, or fresh water reservoirs.

The proposed disposal zone is the Delaware from 2800' to 7030'. This formation is non-productive of oil or gas within a radius of two miles of the proposed well, and the Delaware formation water is mineralized to such a degree to be unfit for domestic, stock, irrigation and/or other general use.

The water to be disposed is produced Devonian water from the South Vacuum Devonian Field, and this water is also mineralized to such a degree as to be unfit for domestic, stock, irrigation and/or other general use.

Attached in triplicate is Commission form "Application to Dispose of Salt Water by Injection into a Porous Formation Not Productive of Oil or Gas". Copies of this application have been sent to the State Engineer's Office, and the surface owner. There is no offset production other than the South Vacuum Unit operated by The Pure Oil Company. Additional copies of this application have been sent to lease holders surrounding this well and to the other working interest owners in the South Vacuum Unit.

Yours very truly,

THE PURE OIL COMPANY

H. G. Tague  
District Superintendent

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

APPLICATION  
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 (X):

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 )  
County of Lea ) ss.

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.

Sallie L. Hale  
Notary Public in and for the County of Lea

2/26/62  
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.



STATE OF NEW MEXICO

STATE ENGINEER OFFICE

SANTA FE

S. E. REYNOLDS  
STATE ENGINEER

October 27, 1961

ADDRESS CORRESPONDENCE TO:  
STATE CAPITOL  
SANTA FE, N. M.

Mr. A. L. Porter, Jr.  
Secretary-Director  
Oil Conservation Commission  
Santa Fe, New Mexico

Dear Mr. Porter:

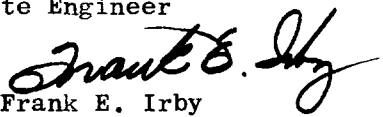
Reference is made to the application of Pure Oil Company under date of October 23, 1961 which seeks permission to dispose of salt water into the Delaware formation through their State "I" No. 1-36 located in Section 36, Township 18 South, Range 35 East, Lea County, New Mexico.

Since injection will be through a plastic coated tubing and packer with the packer set below the top of the cement outside the 5½" liner, it appears that no threat of contamination to any fresh waters which may exist in the area will occur. Therefore, this office offers no objection to the granting of this application.

Yours truly,

S. E. Reynolds  
State Engineer

FEI/ma  
cc-Pure Oil Co.  
F. H. Hennighausen

By:   
Frank E. Irby  
Chief  
Water Rights Division

OIL CONSERVATION COMMISSION

BOX 2045

HOBBS, NEW MEXICO

DATE Dec. 12, 1961

OIL CONSERVATION COMMISSION  
BOX 371  
SANTA FE, NEW MEXICO

Re: Proposed NSP \_\_\_\_\_

Proposed NSL \_\_\_\_\_

Proposed NFC \_\_\_\_\_

Proposed DC \_\_\_\_\_

Gentlemen:

SWD 32

I have examined the application dated \_\_\_\_\_  
for the Pure Oil Co. State Lea "I" #1-36-M 36-18-35  
Operator Lease and Well No. S-T-R

and my recommendations are as follows:

O.K.---E.F.E.

O.K.---J.W.R.

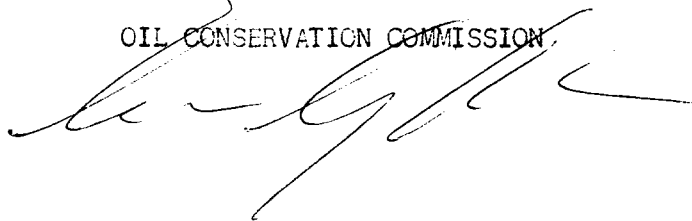
\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Yours very truly,

OIL CONSERVATION COMMISSION



LARGE FORMAT  
EXHIBIT HAS  
BEEN REMOVED  
AND IS LOCATED  
IN THE NEXT FILE