

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

OCC
Holler

SUD-4
used 1/17

POOL Name **SOUTH DENTON (DEVONIAN)** County **LEA**

Operator **SIGNAL OIL AND GAS COMPANY**

Address **1010 Fort Worth National Bank Bldg. , Fort Worth, Texas**

Lease Name **GULF-STATE** Well No. **2**

Depth to top of injection zone **10,790'**

Depth to base of injection zone **10,800'**

Size of surface casing **13-3/8"**

Length of surface casing **350'**

Number of sacks of cement used on surface casing **350**

Size of long string **7-5/8"**

Length of long string **11,189'**

Number of sacks of cement used on long string **1025 light weight and 100 neat**

Size of tubing **2-3/8"** Length of tubing **10,800'**

Depth of tubing packer setting **10,770'**

Name and model of packer **Guiberson L-8**

Is injection through tubing or long string or annulus? **Thru tubing**

Is injection through perforations or open hole? **Hole will be perforated 10790' - 10800'**

Was the well drilled for salt water disposal purposes? **no**

List perforated intervals and number of sacks of cement used on any squeeze cementing operations **no perforations**

What is depth of the shallowest zone productive of oil or gas in this Pool **13,033' (Devonian)**

What is depth of the deepest zone containing fresh water in this Pool? **235'**

Are there any other salt water disposal wells in this Pool using this same zone for injection purposes? **no** If so, list operator, lease and well number

What is the approximate volum of salt water to be injected daily? **Start at 1500 bbls. and may increase to 10,000**

Will system be open or closed type? **closed**

Will injection be by gravity or pump pressure? **gravity (or pump, if necessary)**

If by pump pressure, give approximate number of pounds per square inch **-**

Will it be necessary for water to be filtered or chemically treated? **no**

Is this well so cased and completed that water can enter no other formation than the above setout injection zone? **yes**

1. Attach a complete full-scale electrical log of this well (one Copy to OCC only).

2. List names and addresses of all offset operators and surface owners.

~~Cities Service Oil Co.- Hobbs, New Mexico~~

~~G. M. Cone, Lovington, New Mexico~~

~~Gulf Oil Corporation- Roswell, New Mexico~~

~~Honolulu Oil Corporation, Midland, Texas~~

~~Magnolia Petroleum Co., Hobbs, New Mexico~~

~~Shell Oil Company, Hobbs, New Mexico~~

~~Sinclair Oil & Gas Co., Midland, Texas~~

~~The Texas Co., Midland, Texas~~

~~Warren Petroleum Co., Midland, Texas~~

Mr. Elvis P. Caudill

East Star Route, Lovington, New Mex.

3. Have notices of this application been sent by registered mail or given to all offset operators, surface owners and to the N. M. State Engineer? yes

4. Attach waivers from all offset operators.

5. Attach waivers from surface owners of land on which well is located or a letter from company making application to the surface owner explaining said application and requesting waiver.

6. No application will be processed until Item 1 has been attached to the application. Should all necessary waivers not accompany application, the Commission shall hold such application for a period of fifteen (15) days from date of receipt in the Santa Fe Office. If, after said fifteen (15) day period, no protest or request for hearing is received in the Santa Fe Office, the application will then be processed.

SIGNAL OIL AND GAS COMPANY

Operator

By

N. E. Godbe
Chief Division Engineer

THE STATE OF Texas

COUNTY OF Tarrant

BEFORE ME, The undersigned authority, on this day personally appeared N. E. Godbe 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 27th day of June, 19 57.

Mary E. Russell MARY E. RUSSELL
Notary Public in and for Tarrant
County, Texas