

This application is for temporary disposal only. On completion of reworking the pilot injection wells in the Eminent-South Eureka No. 1 Flood Project, this water will be for secondary recovery. Subsequently this well will become a source water well for the flood project.

Revised 9 16 58

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 Gulf Oil Corporation Address P. O. Box 2167, Hobbs, N.M.

Lease J. F. Janda 1st Well No. 17 County Lea

Unit A Section 4 Township 22S Range 36E

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

Arrowhead, Eureka, Eminent and South Eureka

Name of Injection Formation(s): Grayburg and San Andres

Top of injection zone: 3999' (9-5/8" csg seat) Bottom of injection zone: 5650' (PBD)

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

zone for disposal purposes: To our knowledge there are no disposal operations within a

radius of 5 to 6 miles using these zones.

CASING PROGRAM

	Diameter	Setting Depth	Sacks Cement	Top of Cement
Surface	13-3/8"	441'	450	Circulated
Intermediate	None			
Long String	9-5/8"	3999'	1500 sx Hi-gel salt cmt / 400 sx 2% gel cmt & 1000 sx regular cmt on bottom.	Circulated

Will injection be through tubing, casing, or annulus? 9-5/8"

Size tubing: None Setting depth: - - Packer set at: -

Name and Model No. of packer: None

Will injection be through perforations or open hole? Open hole

Proposed interval(s) of injection: Within the porous intervals within the open hole from
3999' to 5650'

Well was originally drilled for what purpose? Test of Devonian

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:

Does not apply

Give depth of bottom of next higher zone which produces oil or gas: 3950' (Base of Queen)

Give depth of top of next lower zone which produces oil or gas: None within 1/2 mile radius

Give depth of bottom of deepest fresh water zone in area: Estimated not to be deeper than
base of surface casing at 441'

Expected volume of salt water to be injected daily (barrels): 2000 to 4000

Will injection be by gravity or pump pressure? gravity Estimated pressure: -

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

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

- Sinclair Oil & Gas Co., 520 E. Broadway, Hobbs, N.M.
- Texas Pacific Coal & Oil Co, Box 1480, Hobbs, N.M.
- Western Natural Gas Co., 623 Midland Tower Bldg, Midland, Texas

Name and address of surface owner State of 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 GULF OIL CORPORATION

By J. N. Russell

Title Area Production Manager

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

BEFORE ME, The undersigned authority, on this day personally appeared J. N. Russell 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 22nd day of December, 19 60.

Notary Public in and for the County of Lea

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.