

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 Amerada Petroleum Corporation Address P. O. Box 668 - Hobbs, New Mexico  
Lease State BT<sup>4</sup>C<sup>4</sup> Well No. 2 County Lea  
Unit P Section 27 Township 12-S Range 33-E

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

Hightower Devonian and Hightower Pennsylvanian

Name of Injection Formation(s): San Andres

Top of injection zone: 3787' Bottom of injection zone: 5173'  
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	13-3/8"	298'	225	Circulated
Intermediate	8-5/8"	3818'	1500	640'
Long String	5-1/2"	8850'	500	6630'

Will injection be through tubing, casing, or annulus? Thru tubing

Size tubing 2-7/8" Setting depth: 4480' Packer set at: 4450'

Name and Model No. of packer: Baker Model "A-45"

Will injection be through perforations or open hole? Perforations

Proposed interval(s) of injection: 4502'-4508', 4532'-4536', 4552'-4562', 4765'-4775', 5020'-5040'.

Well was originally drilled for what purpose? Hightower Pennsylvanian Oil

Has well ever been perforated in any zone other than the proposed injection zone? Yes

List all such perforated intervals and sacks of cement used to seal off or squeeze each:  
8740'-8772' - depleted, now used for SWD.

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

Give depth of top of next lower zone which produces oil or gas. Pena 8706'

Give depth of bottom of deepest fresh water zone in area: Top Anhydrite 1655' - No fresh water below this.

Expected volume of salt water to be injected daily (barrels): 15,000

Will injection be by gravity or pump pressure? Pump Estimated pressure: 1500#

Is system open or close type? Close 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

Gulf Oil Corporation P. O. Box 670 Hobbs, New Mexico

Name and address of surface owner Amerada Petroleum Corporation

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? No. Please refer to Exhibit 4, Case No. 2735

Operator: Amerada Petroleum Corporation

By: D. C. Capps

Title: District Superintendent

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

BEFORE ME, The undersigned authority, on this day personally appeared D. C. Capps 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 31 day of January, 19 64.

[Signature]  
Notary Public in and for the County of Lea

Jan. 7, 1967  
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.