

GENERAL OFFICE
Box 2040
TULSA 2, OKLA.

AMERADA PETROLEUM CORPORATION

Box 668

HOBBS, NEW MEXICO

January 31, 1964

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

Dear Sirs:

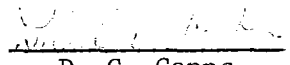
Amerada Petroleum Corporation respectfully requests administrative approval of the attached application to inject saltwater into the San Andres formation in the State BT"G" No. 2 located in Unit P, Sec. 27, R-33-E, T-12-S, in the Hightower field.

This well is on the extreme south edge of the field and did for some time produce oil from the Pennsylvanian. At present, however, saltwater is being injected into the old producing perforations. This permission was granted by Order No. R-2418.

This zone will not take the amount of water produced, therefore, we request permission to perforate, block squeeze, and perforate for injection in the San Andres.

If this cannot be handled administratively, please schedule this for hearing as soon as possible.

Yours very truly,


D. C. Capps
District Superintendent

DCC/jh

cc: Gulf Oil Corp.
P. O. Box 670
Hobbs, New Mexico

State Engineers Office
Santa Fe
Hobbs
Midland
Tulsa

GENERAL OFFICE
Box 2040
TULSA 2, OKLA.

AMERADA PETROLEUM CORPORATION
Box 668
HOBBS, NEW MEXICO


January 31, 1964

Mr. S. E. Reynolds
State Engineers Office
P. O. Box 1079
Santa Fe, New Mexico

Dear Sir:

Attached please find Amerada Petroleum Corporation's application to dispose of saltwater into the San Andres formation in the State BT"G" No. 2 located in Unit P, Sec. 27, T-12-S, R-33-E.

Yours very truly,


D. C. Capps
District Superintendent

DCC/jh

cc: New Mexico Oil Conservation Commission
Santa Fe
Hobbs
Midland
Tulsa

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"G" 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 Penn 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
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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 2735

Operator: Amerada Petroleum Corporation

By: D. C. Capps *[Signature]*

Title: District Superintendent

STATE OF <u>New Mexico</u>)
) ss.
County of <u>Lea</u>)

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

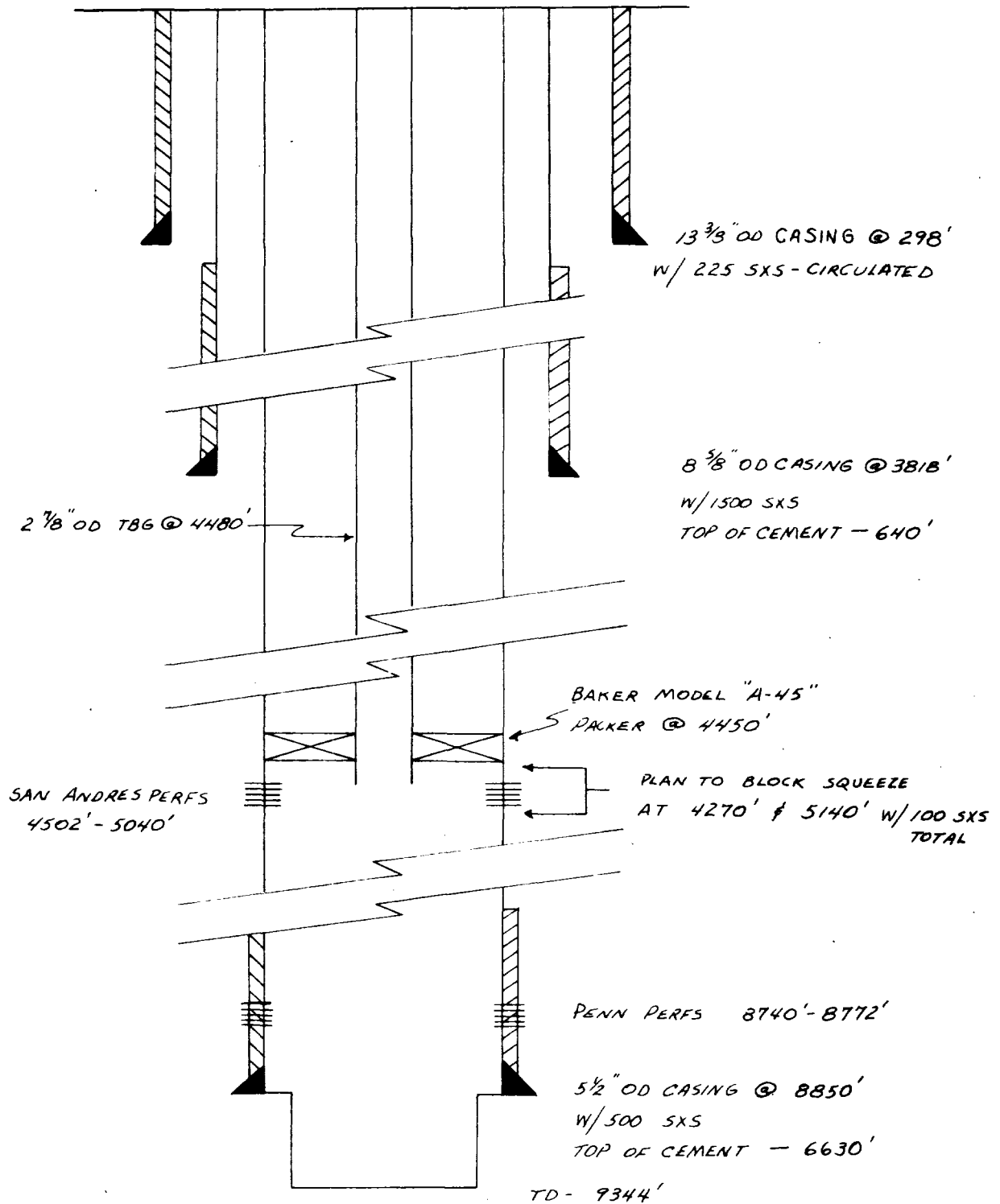
NOTE: Should waivers from all offset operators, the surface owner, and the State Engineer not accompany an application, the New Mexico Oil Conservation Commission will hold the application for a period of fifteen (15) days from date of receipt by the Commission's Santa Fe office. If at the end of said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

AMERADA PETROLEUM CORPORATION

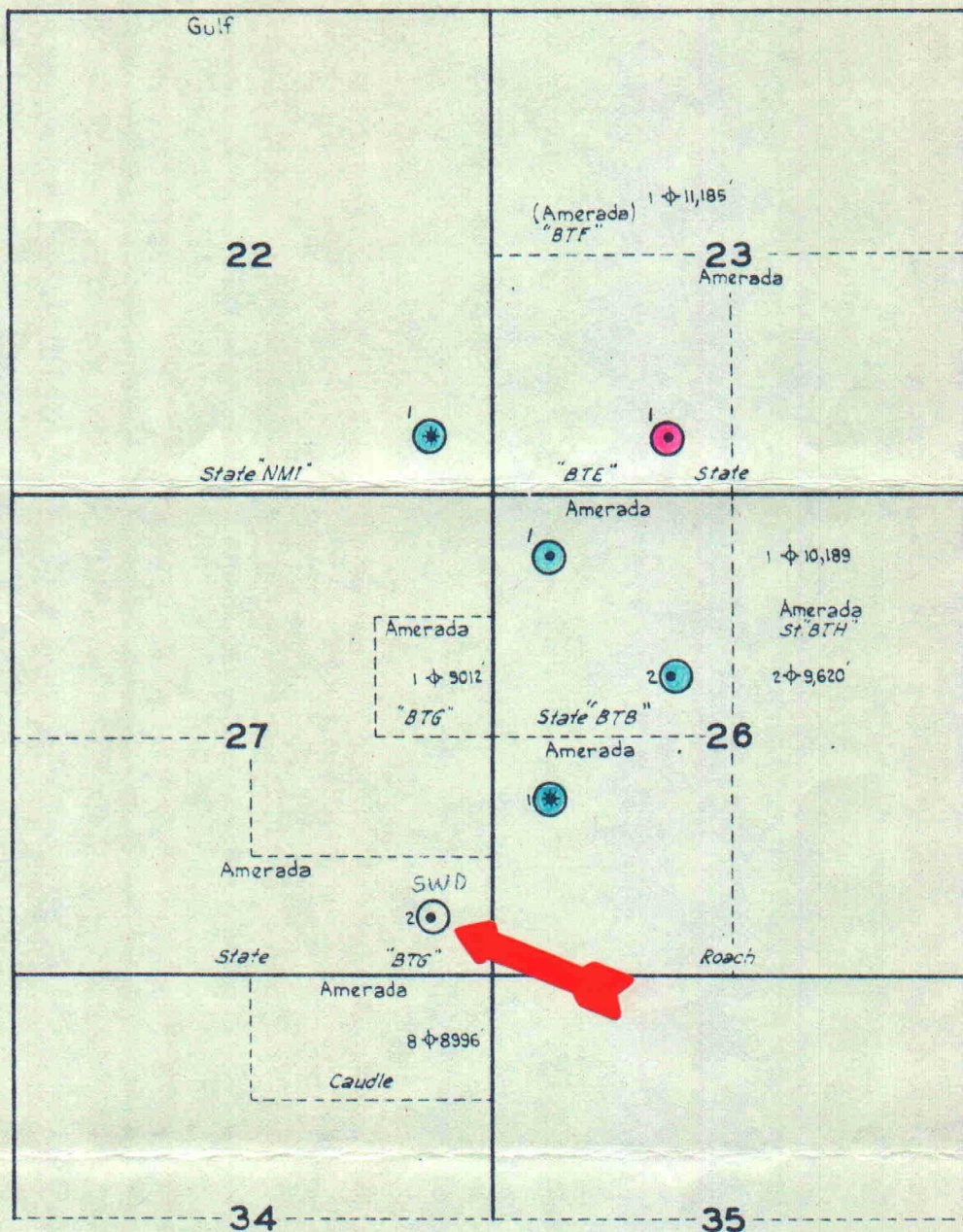
STATE BTG No. 2

P 27-12-33

LEA COUNTY, NEW MEXICO



R 33 E



T
12
S

Note: There are no other wells or leases within a 2 mile radius of this well.

We, therefore, hope this plat will suffice.

HIGHTOWER POOL LEA CO., N.M.

- Devonian Well
- Penn. Well

SCALE: 1 INCH = 2000 FEET

OIL CONSERVATION COMMISSION

BOX 1980

HOBBS, NEW MEXICO

Date Feb. 4, 1964

Oil Conservation Commission
Box 871
Santa Fe, New Mexico

SWD

Re: Proposed ~~XX~~ Application

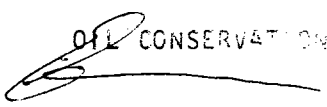
Gentlemen:

I have examined the application dated 2/4/64
for the Amerada Pet. Corp. State BT "G" #2 27-12-33
Operator Lease & Well No. S-T-R

and my recommendations are as follows:

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

Yours very truly,


OIL CONSERVATION COMMISSION



STATE OF NEW MEXICO

STATE ENGINEER OFFICE

SANTA FE

S. E. REYNOLDS
STATE ENGINEER

February 10, 1964

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

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

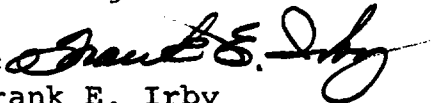
Dear Mr. Porter:

Reference is made to the application of Amerada Petroleum Corporation, dated January 31, 1964, which seeks to dispose of salt water into the San Andres formation through the State BT "G" well No. 2 in Unit P, Section 27, Township 12 South, Range 33 East, which is presently being used to dispose of salt water into a formation at greater depth.

After study of the application and the diagrammatic sketch of the well, I have concluded that no threat of contamination to the fresh waters which may exist in the area will occur if the plan is followed. Therefore, this office offers no objection to the granting of the application provided the present plan is not changed.

Yours truly,

S. E. Reynolds
State Engineer

By: 
Frank E. Irby
Chief
Water Rights Division

FEI/ma

cc-Amerada Petroleum Corp.
F. H. Hennighausen