Case 2646

TEXACO INC.

PETROLEUM PRODUCTS

DOMESTIC PRODUCING DEPARTMENT
MIDLAND DIVISION

P. O. BOX 3109
MIDLAND, TEXAS

September 4, 1962

New Mexico Oil Conservation Commission
Box 871
Santa Fe, New Mexico

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

Gentlemen:

Texaco Inc. respectively requests that a hearing be set to consider its application to dispose of salt water into the producing formation in the Echols (Devonian) Field, Lea County, New Mexico. Disposal will be into the Shell State of New Mexico "A" Well No. 3 located 990' from the south line and 660' from the west line of Section 2, T-11-S, R-37-E, Lea County, New Mexico.

At the present time this well is operated by the Shell Oil Company; however, it has ceased to produce from this Devonian reservoir. Shell has advised Texaco of their plans to abandon this well; however preliminary negotiations between Texaco and Shell have been completed and if this application is granted Texaco will purchase this well from the Shell Oil Company.

It is respectively requested that this application be set on the first available examiner hearing docket. If you should have any question concerning this matter, please advise.

Yours very truly,

C. R. Black

C. R. Black
Assistant Division
Proration Engineer

CRB:jh

cc: Shell Oil Company
P. O. Box 1858
Roswell, New Mexico

Docket mailed 9/17/62

DOCKET MAILED

Date 10-11-62

Case 2646

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 Texaco Inc. Address P. O. Box 3109, Midland, Texas
Shell Oil Company
Lease State A Well No 3 County Lea

Unit M Section 2 Township 11-S Range 37-E

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

Echols Devonian

Name of Injection Formation(s) Devonian

Top of injection zone 11,662 Bottom of injection zone: 11,712
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"	362'	300	Circulated
Intermediate	8-5/8"	4298'	2500	Circulated
Long String	5-1/2"	11,690'	350	11,000 (Estimated)

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

Size tubing: 2" EUE Setting depth: 11,600 Packer set at: 11,600

Name and Model No. of packer: Baker Model "D" (Proposed)

Will injection be through perforations or open hole? Both

Proposed interval(s) of injection: Perforations 11,662-11,682; Open Hole 11,690-11,712

Well was originally drilled for what purpose? 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:

Open hole from 11,712 to 11,750. 21 runs w/Welex squeeze gun (178.5 gal.) Capped with 16 gal. Hydromite

Give depth of bottom of next higher zone which produces oil or gas: Wolfcamp at approximately 9200' but not productive in this immediate area.

Give depth of top of next lower zone which produces oil or gas: None

Give depth of bottom of deepest fresh water zone in area: Approximately 280'

Expected volume of salt water to be injected daily (barrels): 1500

Will injection be by gravity or pump pressure? pump Estimated pressure: 750 psi

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

Sinclair Oil & Gas Company, Midland Savings Bldg. Midland, Texas

Shell Oil Company, P. O. Box 1858, Roswell, New Mexico

Humble Oil & Refining Company, P. O. Box 2347, Hobbs, New Mexico

Carper Drilling Company, Inc., 200 Carper Bldg. Artesia, New Mexico

Lubbock Avalanche-Journal, Lubbock, Texas

Name and address of surface owner Roy B. Thompson, Box 143, Clovis, 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 (9-17-62)

Is a complete electrical log of this well attached? No

Operator: Texaco Inc.

By: C. R. Black
C. R. Black

Title: Division Proration Engineer

STATE OF Texas)
) ss.
County of Midland)

BEFORE ME, The undersigned authority, on this day personally appeared C. R. Black 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 17 day of September, 19 62.

Betty L. Davis
Notary Public in and for the County of Midland

June 1, 1963
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.

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