

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 TEMACO Inc. Address Box 726, Hobbs, New Mexico

Lease St. of N.M. "EZ" (NCT- 10) Well No. 2 County Lea

Unit N Section 2 Township 25-S Range 37-E

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

North Justis Blinbry, Drinkard, and Devonian

Name of Injection Formation(s) San Andres

Top of injection zone 4310 Bottom of injection zone 4390

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"	250'	350	Circulated
Intermediate	9-5/8"	3500'	350	2200' (Calculated)
Long String	2-7/8"	5150'		3275'
	2-7/8"	5150'	300	3275'
	2-7/8"	5107'		3275'

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

Size tubing -- Setting depth: -- Packer set at --

Name and Model No. of packer --

Will injection be through perforations or open hole? Perforations

Proposed interval(s) of injection: 4310-4390

Well was originally drilled for what purpose? Oil Production

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:

4812-16, 4829-32, 4858-62, 4873-76, & 4901-05' (Propose to seal off w/plus set
4420' capped w/10' of cement)

Give depth of bottom of next higher zone which produces oil or gas. 3450'

Give depth of top of next lower zone which produces oil or gas. 5580'

Give depth of bottom of deepest fresh water zone in area: 250'

Expected volume of salt water to be injected daily (barrels): 400

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

DOCKET MAILED

Date 12-1-53

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

Richmond Drilling Company, P. O. Box 1547, Midland, Texas
Shelly Oil Company, P. O. Box 5, Hobbs, New Mexico

Gulf Oil Company, P. O. Box 2177, Hobbs, New Mexico

Claud E. Aikman, P. O. Box 1550, San Angelo, Texas

Union Texas Natural Gas Corporations, P. O. Box 196, Midland, Texas

Continental Oil Company, P. O. Box 50, San Jose, New Mexico

Name and address of surface owner Lyde N. Cooper, Box 72, Jal. 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? By registered mail on 11-15-53.

Is a complete Gamma-Sonic ~~electrical~~ log of this well attached? Yes

Operator: TEMACO, Inc.

By: H. D. Raymond
H. D. Raymond

Title: Assistant District Superintendent

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

BEFORE ME, The undersigned authority, on this day personally appeared H. D. Raymond 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 15 day of November, 19 53.

My Commission Expires on June 20, 1955
James Redmond James Redmond
Notary Public in and for the County of Lea

5-20-55
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.

PROPOSED
SWD
SYSTEM

PRESENT
SYSTEM

San Andres Perforations-4310-90
(Proposed Disposal Zone)

Bridge Plug set at 4420' &
Cement to 4410'

TEXACO, Inc.
State of New Mexico "BZ" (NCT-10) #2
Proposed Salt Water Disposal Well
North Justis Devonian, Blinebry,
and Tubb-Drinkard Fields
Lea County, New Mexico
7-26-63 JWM

— Glorieta
— Blinebry
— Tubb-Drinkard

13 3/8", 27.06# & 48# Casing
(SW and N-4G)
Set at 250'

Cement Top @ 2200' (Calculated)

Cement top @ 3275

9 5/8", 32# & 36# Casing
(H-40 and J-55)
Set at 3500'

(NON-PRODUCTIVE)
Glorieta Perforations - 4812-18,
4829-33, 4858-62, 4873-76 & 4901-05

2 7/8", 6.4#, J-55 Buttress
Casing Set at 5107'

(OIL PRODUCING ZONE)
Blinebry perforations-5580, 5582,
5591, 5607, 5609, 5613, & 5615

(OIL PRODUCING ZONE).
Tubb-Drinkard Perforations-6026,
6033, 6041, 6061, 6071, 6075, &
6081

2 Strings - 2 7/8", J-55 Buttress
Casing Set at 6150.

TEXACO
INC.

PETROLEUM PRODUCTS



RECEIVED 11 PM 1. 17

DRAWER 728

HOBBS, NEW MEXICO 88240

December 12, 1963

S-2 - PROPOSED SWD

State of New Mexico "BZ" NCT-10 Lease
Lea County, New Mexico

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

ATTENTION: Mr. Daniel S. Nutter

Dear Mr. Nutter:

Enclosed are three copies of a plat and a log of TEXACO's State of New Mexico "BZ" NCT-10 Well No. 2, located in Section 2, T-25-S, R-37-E, Lea County, New Mexico. These are being submitted in accordance with your telephone conversation with Mr. C. R. Black in our Midland office to complete information needed in processing our application to dispose of salt water by injection into a porous formation not productive of oil or gas in the subject well.

Yours very truly,

A handwritten signature in cursive script that reads "D. M. Williams".

D. M. Williams
District Engineer

DMW/om

cc: DBM

LARGE FORMAT
EXHIBIT HAS
BEEN REMOVED
AND IS LOCATED
IN THE NEXT FILE

SCHLUMBERGER**SONIC LOG**

SCHLUMBERGER WELL SURVEYING CORPORATION

Houston, Texas

COUNTY LEA FIELD or LOCATION NORTH JUSTIS WELL STATE OF NEW MEXICO BZ (NCT-10) # 2 COMPANY TEXACO, INCORPORATED	COMPANY TEXACO, INCORPORATED	Other Surveys IES
	WELL STATE OF NEW MEXICO BZ (NCT-10) # 2	Location of Well 990' FROM S/L 1978' FROM W/L
	FIELD NORTH JUSTIS	
	LOCATION SEC. 2-25S-37E	
	COUNTY LEA STATE NEW MEXICO	Elevation: K.B.: 3152 D.F.: 3151 or G.L.: 3142

Log Depths Measured From KB 10 Ft. above GL			
RUN No.	ONE		
Date	7-1-63		
First Reading	6146		
Last Reading	0		
Feet Measured	6146		
Csg. Schlum.	-		
Csg. Driller	3500		
Depth Reached	6153		
Bottom Driller	6152		
Mud Nat.	GEL, CELLEX, SODA ASH, CAUSTIC		
Dens.	8.9	34	
Mud Resist.	.35 @ 89 °F	@ °F	@ °F
" Res. BHT	.31 @ 101 °F	@ °F	@ °F
" pH	9.5 @ °F	@ °F	@ °F
" Wtr. Loss	9.8 CC 30 min	CC 30 min	CC 30 min
" Rmf	.29 @ 87 °F	@ °F	@ °F
Bit Size	8 ³ / ₄ "		
Spacing:			
T₃ R₁ R₂	6146 To 4700	To	To
T₁ R₁ R₂	4700 To CSG	To	To
Opr. Rig Time	3 HOURS		
Truck No.	3701-HOBBS		
Recorded By	BROWN		
Witness	HUNTER		



STATE OF NEW MEXICO

STATE ENGINEER OFFICE

SANTA FE

**S. E. REYNOLDS
STATE ENGINEER**

December 18, 1963

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 Texaco, Inc., which seeks to dispose of salt water by injection into a porous formation through a triple completion, New Mexico "BZ" (NCT-10) in Section 2, Township 25 South, Range 34 East. Mr. Bob Black and Mr. Shoemaker were here this morning and supplied the additional information needed for me to reach a decision concerning this application.

It appears, from the information contained in the application and illustrations attached thereto and the additional information supplied by Mr. Black, that no threat of contamination to the fresh waters which exist in the area will occur if this application is granted. Therefore, this office offers no objection to the granting of the application.

Yours truly,

FEI/ma
cc-Texaco, Inc.
F.H. Hennighausen

S. E. Reynolds
State Engineer

By: *Frank E. Irby*
Frank E. Irby
Chief
Water Rights Division

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