

TEXACO
INC.

PETROLEUM PRODUCTS



P.O. Box 728
Hobbs, New Mexico
November 23, 1962

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

Re: Application for Salt Water Disposal,
TEXACO Inc., State of New Mexico "Z"
(NCT-1) Well No. 5-SWD, Vacuum-
Grayburg and San Andres, Vacuum -
Abo and Vacuum Drinkard Pools,
Lea County, New Mexico.

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

Gentlemen:

In accordance with New Mexico Oil Conservation Commission, Rule 701 (C), TEXACO Inc. respectively request an exception to Rule 701 (A) for administrative approval to inject salt water into a porous formation not productive of oil or gas. Injection is to be in the State of New Mexico "Z" (NCT-1) Well No. 5, located in Unit C, Section 2, T-18-S, R-34-E, Lea County, New Mexico, which was abandoned as a dry hole, September 4, 1961.

Attached is TEXACO's application and a diagrammatic sketch of the proposed SWD installation.

Yours very truly,

H.N. Wade
Assistant District Superintendent

ODB/maa

cc: NMOCC - Hobbs
State Engineer, Santa Fe
Offset Operators
Surface Land Owner

Attachments

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 728, Hobbs, New Mexico
State of New Mexico "Z"
Lease (NCT-1) Well No. 5 County Lea
Unit C Section 2 Township 18-S Range 34-E

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

Vacuum Grayburg and San Andres, Vacuum-Abo and Vacuum-Drinkard

Name of Injection Formation(s) Yates

Top of injection zone 2852 Bottom of injection zone 2980
Give operator, lease, well no., and location of any other well in this area using this same
zone for disposal purposes None, subject zone will be swab tested to definitely
determine that no hydrocarbon production is present.

CASING PROGRAM

	Diameter	Setting Depth	Sacks Cement	Top of Cement
Surface	13-3/8	322	350	Circulated
Intermediate	9-5/8	*4957'	900	1150
Long String	*Casing was cut @ 1146' and pulled when well was abandoned. It is proposed to re-run the 1146' of 9-5/8" casing and connect back to the pipe in the hole with a casing bowl.			

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

Size tubing 2-3/8 Setting depth: 2670 Packer set at 2670

Name and Model No. of packer Baker Model "A" Retrievable Tension Packer

Will injection be through perforations or open hole? Perforations

Proposed interval(s) of injection: 2855'-59', 2866'-72-, 2895--2904', 2905'-08',
2912'-17', 2921'-24'

Well was originally drilled for what purpose? Oil (Abandoned Abo test - dry hole)

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:
No perforations. Cement plugs from 305' - 335'; 1009'-1065'; 4907'-5007';
6166'-6266'; 8039'-8139'; 9400'-9500'

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. 4190' (Grayburg)

Give depth of bottom of deepest fresh water zone in area: 260'

Expected volume of salt water to be injected daily (barrels) 500

Will injection be by gravity or pump pressure? Pump Estimated pressure: 1000

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

Continental Oil Company, P. O. Box 427, Hobbs, New Mexico

Gulf Oil Corporation, P. O. Box 2167, Hobbs, New Mexico

Phillips Petroleum Company, P. O. Box 2105, Hobbs, New Mexico

Name and address of surface owner Scarborough Land & Cattle Company
Scarborough Hotel, Midland, Texas

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 ^{Gamma-Acoustilog} ~~electrical~~ log of this well attached? Yes

Operator: TEXACO Inc.

By: H. N. Wade

Title: Assistant District Superintendent

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

BEFORE ME, The undersigned authority, on this day personally appeared H. N. Wade 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.

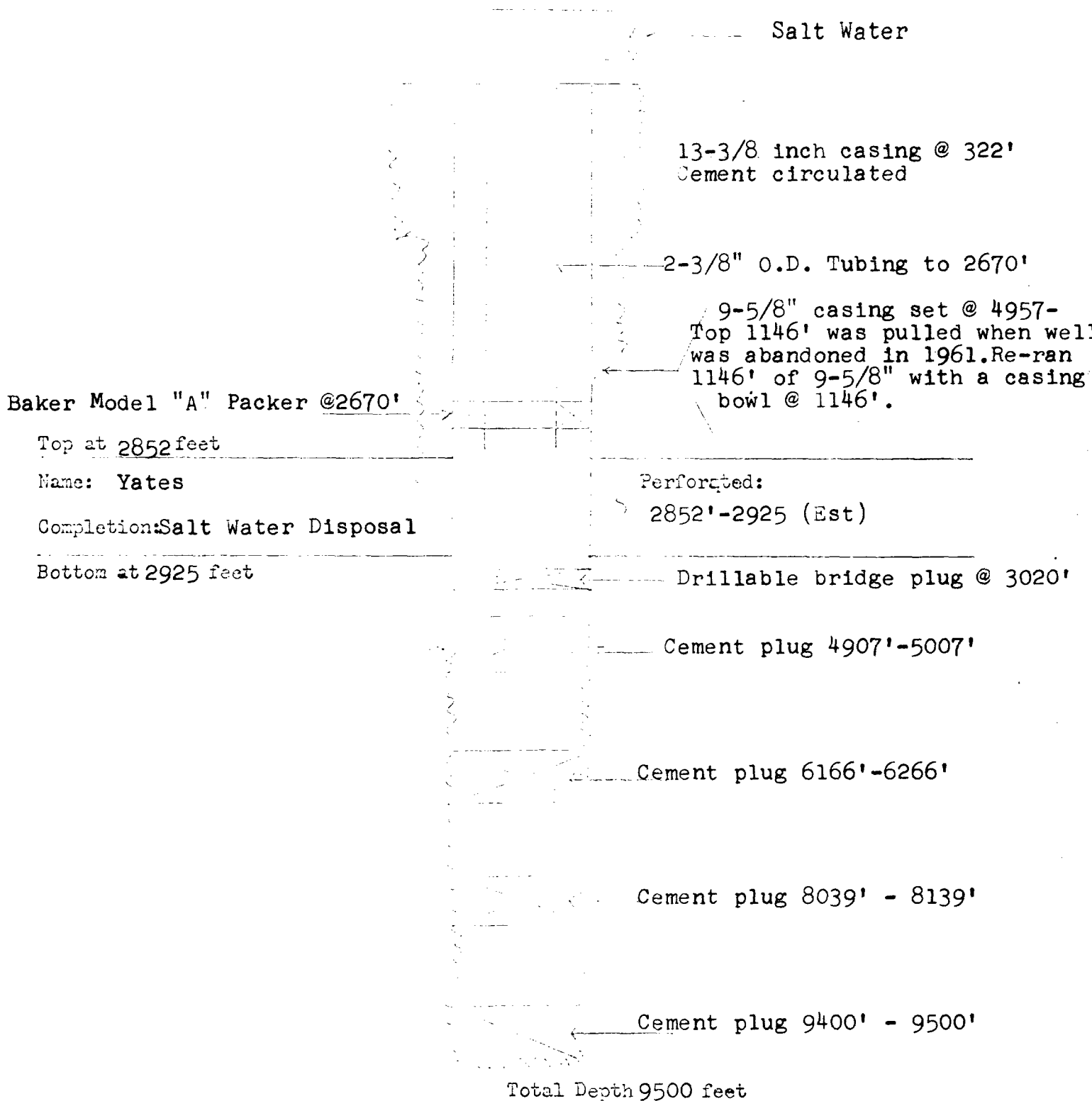
SUBSCRIBED AND SWORN TO before me this the 23 day of November, 19 62.

Jeanne Redmond
Notary Public in and for the County of Lea, New Mexico

June 20, 1965
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.

DIAGRAMATIC SKETCH OF SWD INSTALLATION



TEXACO Inc.

LEASE: State of New Mexico "Z" (NCT-1) Well No. 5-SWD

FIELD: Vacuum-Grayburg and San Andres, Vacuum-Abo and
Vacuum-Drinkard

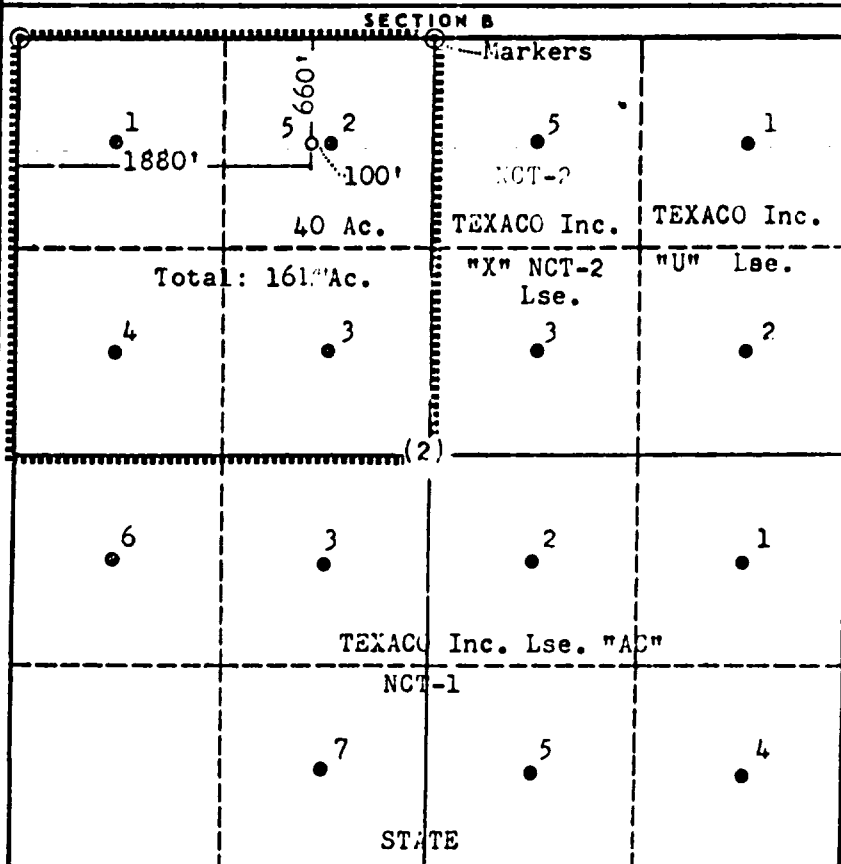
DATE: November 23, 1962

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

FORM O-2
 Revised 5-1-57

SEE INSTRUCTIONS FOR COMPLETING THIS FORM ON THE REVERSE SIDE

Operator TEXACO Inc.				SECTION A Lease 1941 JAN 27 AM 5 62 State of New Mexico "Z" NCT-1		Well No. 5
Unit Letter C	Section 2	Township 18 South	Range 34 East	County Lea		
Actual Footage Location of Well: 660 feet from the North line and 1880 feet from the West line Sec. 2						
Ground Level Elev. 4016	Producing Formation Abo		Pool Wildcat		Dedicated Acreage: 40 Acres	
1. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> ("Owner" means the person who has the right to drill into and to produce from any pool and to appropriate the production either for himself or for himself and another. (63-3-29 (e) NMSA 1933 Comp.) 2. If the answer to question one is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES <input type="checkbox"/> NO <input type="checkbox"/> If answer is "yes," Type of Consolidation _____ 3. If the answer to question two is "no," list all the owners and their respective interests below:						
Owner			Land Description			



CERTIFICATION

I hereby certify that the information in SECTION A above is true and complete to the best of my knowledge and belief.

Name
J. J. Velten

Position
Division Civil Engineer

Company
TEXACO Inc.

Date
6/23/61

I hereby certify that the well location shown on the plat in SECTION B was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
6/22/61

Registered Professional Engineer and/or Land Surveyor
J. J. Velten

Certificate No.
8174



STATE OF NEW MEXICO

STATE ENGINEER OFFICE

SANTA FE

S. E. REYNOLDS
STATE ENGINEER

November 28, 1962

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., dated November 23, 1962 which seeks to re-enter a plugged and abandoned well located in Unit C, Section 2, Township 18 South, Range 34 East and use it as an injection well to dispose of salt water in a formation not productive of oil or gas.

In view of the statement in the application that injection will be through tubing under a packer set at 2670 feet below the surface, it appears that no threat of contamination to any fresh waters which may exist in the area will occur. Therefore, this office offers no objection to the granting of the application.

Yours truly,

FEI/ma
cc-H. N. Wade, Asst. Dist. Supt.
Texaco, Inc., Hobbs, N. M.

F. H. Hennighausen
Roswell, N. M.

Mr. L. C. White
Attorney at Law
Santa Fe, N. M.

S. E. Reynolds
State Engineer

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



LTR



Job separation sheet