SWD-85

TEXACO INC.

PETROLEUM PRODUCTS

DRAWER 728
HOBBS, NEW MEXICO 88240

November 8, 1968

MAIL OFFICE OCC

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New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87501

Re: Application For SWD
TEXACO Inc.
B. E. Spencer "B" Federal Well No. 1
Little Lucky Lake Pool Area
Chaves County, Texas

Gentlemen:

Attached please find an "Application to Dispose of Salt Water By Injection Into A Porous Formation" for TEXACO'S B. E. Spencer "B" Federal Well No. 1. The subject well was drilled as a test of the Devonian formation and was plugged and abandoned as a dry hole on January 10, 1961. It is now proposed to reenter this well and commence salt water disposal into the Queen formation from 2450' to 2782'. Although TEXACO has no water analysis of the water in this zone, a wireline test at 2705' run by Schlumberger during the drilling of the well indicates that the water contains 7950 ppm chlorides.

This disposal well will serve TEXACO'S properties in the Little Lucky Lake Devonian Pool. Current water production is 650 barrels of water per day and it is anticipated that water production will reach a maximum of 2650 BWPD. Injection will be down 2-3/8" O.D. internally plastic coated tubing set on a packer at approximately 2400 feet.

TEXACO Inc. does not currently have an Oil and Gas Lease on the lands on which the subject well is located. Therefore, TEXACO has made application to the U. S. Department of Interior, Bureau of Land Management, for right of way and a special use permit to enable TEXACO to use the well for SWD purposes. The Bureau of Land Management has advised that a copy of the New Mexico Oil Conservation Commission Order approving TEXACO'S proposed SWD operations is necessary before they will take further action on TEXACO'S applications.

It is respectfully requested that the New Mexico Oil Conservation Commission issue an order as soon as the required waiting period has elapsed, so that TEXACO may meet the January 1, 1969 deadline date on discontinuing disposal of salt water into unlined surfaced pits. Your usual cooperation will be appreciated.

Yours very truly,

H D Raymond

H. D. Raymond
District Superintendent

EDMc/ndd

WDH

NMOCC-Hobbs

Attachments

Form C-108
Revised 1-1-65

NEW MEXICO OIL CONSERVATION COMMISSION

APPLICATION TO DISPOSE OF SALT WATER BY INJECTION INTO A POROUS FORMATION

OPERATOR		ADDRESS	
TEXACO Inc.		Box 728 - Hobbs, New Mexico	
LEASE NAME	WELL NO.	FIELD	COUNTY
B.E. Spencer 'B' Federal	1	Little Lucky Lake Area	Chaves

LOCATION

UNIT LETTER D ; WELL IS LOCATED 660 FEET FROM THE North LINE AND 330 FEET FROM THE West LINE, SECTION 28 TOWNSHIP 15 South RANGE 30 East NMPM.

CASING AND TUBING DATA

NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
SURFACE CASING	13-3/8"	469'	600 sxs.	Surface	Visual
INTERMEDIATE	8-5/8"	3000'	1100 sxs.	Unknown	Calculates 3950' of fill w/50% fillup factor
LONG STRING	-				
TUBING	2-3/8"	2400'	NAME, MODEL AND DEPTH OF TUBING PACKER: Tension Type (probably Baker Model 'AD') @ 2400'		

NAME OF PROPOSED INJECTION FORMATION	TOP OF FORMATION	BOTTOM OF FORMATION
Queen Sand	2428'	2822'

IS INJECTION THROUGH TUBING, CASING, OR ANNULUS?	PERFORATIONS OR OPEN HOLE?	PROPOSED INTERVAL(S) OF INJECTION
Tubing	Perforations	2450'-2782'

IS THIS A NEW WELL DRILLED FOR DISPOSAL?	IF ANSWER IS NO, FOR WHAT PURPOSE WAS WELL ORIGINALLY DRILLED?	HAS WELL EVER BEEN PERFORATED IN ANY ZONE OTHER THAN THE PROPOSED INJECTION ZONE?
No	Oil Well (P&A on completion)	No

LIST ALL SUCH PERFORATED INTERVALS AND SACKS OF CEMENT USED TO SEAL OFF OR SQUEEZE EACH

DEPTH OF BOTTOM OF DEEPEST FRESH WATER ZONE IN THIS AREA	DEPTH OF BOTTOM OF NEXT HIGHER OIL OR GAS ZONE IN THIS AREA	DEPTH OF TOP OF NEXT LOWER OIL OR GAS ZONE IN THIS AREA
250'	None	11,050'

ANTICIPATED DAILY INJECTION VOLUME (BBLS.) MINIMUM	MAXIMUM	OPEN OR CLOSED TYPE SYSTEM	IS INJECTION TO BE BY GRAVITY OR PRESSURE?	APPROX. PRESSURE (PSI)
650	2650	Closed	Pressure	2000 Max.

ANSWER YES OR NO WHETHER THE FOLLOWING WATERS ARE MINERALIZED TO SUCH A DEGREE AS TO BE UNFIT FOR DOMESTIC, STOCK, IRRIGATION, OR OTHER GENERAL USE —	WATER TO BE DISPOSED OF	NATURAL WATER IN DISPOSAL ZONE	ARE WATER ANALYSES ATTACHED?
	Yes	Yes	Yes(for water to be disposed)

NAME AND ADDRESS OF SURFACE OWNER (OR LESSEE, IF STATE OR FEDERAL LAND)

Federal (Bogle Farms, Inc., Dexter, N.M)

LIST NAMES AND ADDRESSES OF ALL OPERATORS WITHIN ONE-HALF (½) MILE OF THIS INJECTION WELL

Pan American Petroleum Corp. - P.O. Box 68, Hobbs, New Mexico 88240

MAIN OFFICE OC

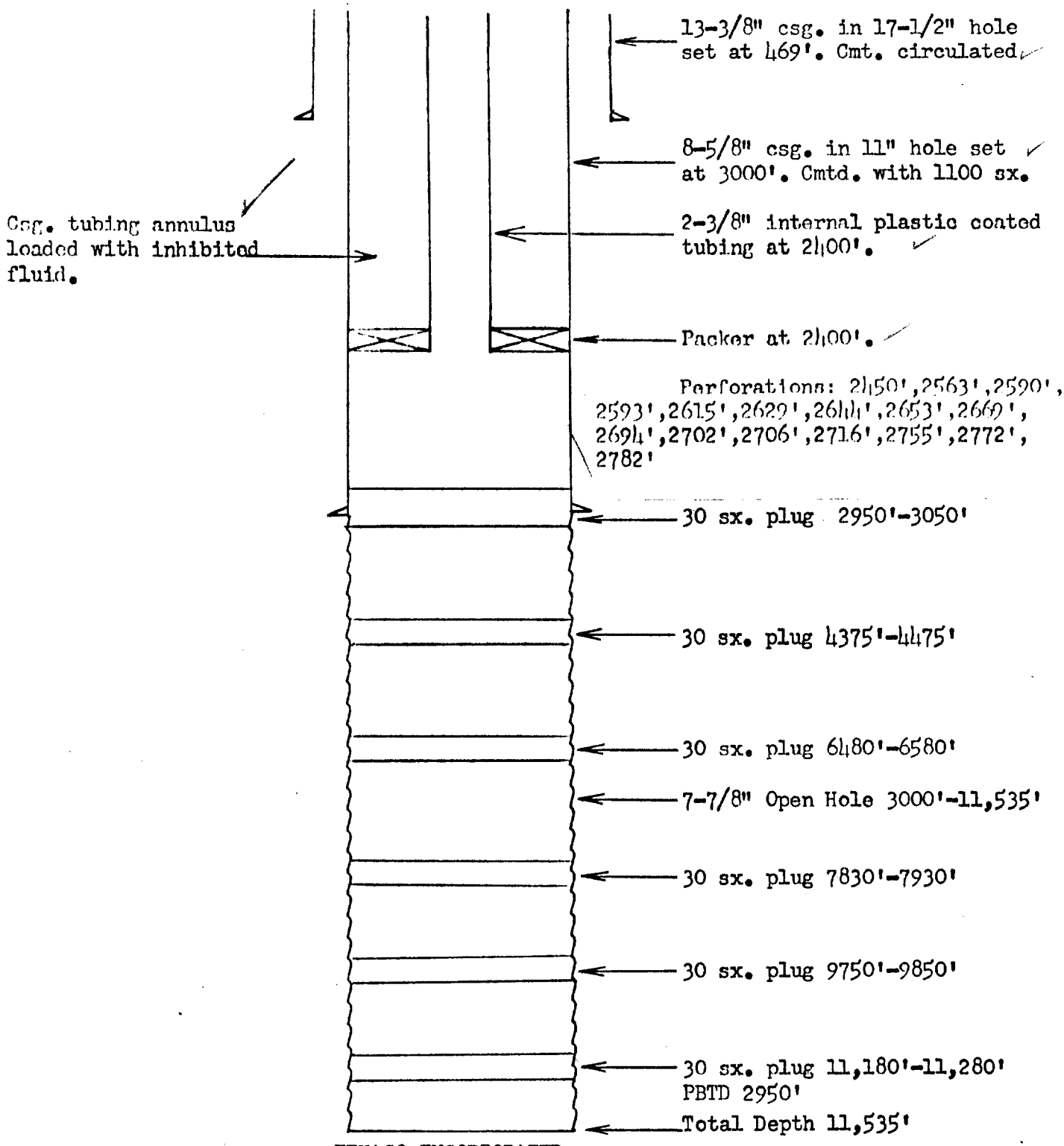
'68 NOV 12 AM 8

HAVE COPIES OF THIS APPLICATION BEEN SENT TO EACH OF THE FOLLOWING?	SURFACE OWNER	EACH OPERATOR WITHIN ONE-HALF MILE OF THIS WELL	THE NEW MEXICO STATE ENGINEER
	Yes	Yes	No
ARE THE FOLLOWING ITEMS ATTACHED TO THIS APPLICATION (SEE RULE 701-B)	PLAT OF AREA	ELECTRICAL LOG	DIAGRAMMATIC SKETCH OF WELL
	Yes	Yes	Yes

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

(Signature)	Asst. District Superintendent (Title)	November 8, 1968 (Date)

NOTE: Should waivers from the State Engineer, the surface owner, and all operators within one-half mile of the proposed injection well. not accompany this application, the New Mexico Oil Conservation Commission will hold the application for a period of 15 days from the date of receipt by the Commission's Santa Fe office. If at the end of the 15-day waiting period no protest has been received by the Santa Fe office, the application will be processed. If a protest is received, the application will be set for hearing, if the applicant so requests. SEE RULE 701.



TEXACO INCORPORATED
Schematic Diagram
Proposed Salt Water Disposal Completion
SPENCER FEDERAL "B" NO. 1
CHAVES COUNTY, NEW MEXICO

jbs 10-10-68

November 8, 1968

Bogle Farms, Inc.
Dexter, New Mexico 88230

Re: REQUEST FOR WAIVER
SWD Application
Little Lucky Lake Pool Area
Chaves County, New Mexico

Gentlemen:

Attached please find an application for salt water disposal into the Queen formation in TEXACO's plugged and abandoned B. E. Spencer "B" Federal Well No. 1, Chaves County, New Mexico. It is believed that the application and the letter of transmittal will explain TEXACO's proposal in full, however, if you have any questions please advise.

Since the "no-pit" order deadline is very close it would be appreciated if you would sign the attached waiver, forward one (1) copy to the NMOCC and one(1) to TEXACO Inc. at your earliest convenience.

Yours very truly,

H. D. Raymond
District Superintendent

EDMc-cmc

Attachment

November 8, 1968

Pan American Petroleum Corp.
P. O. Box 68
Hobbs, New Mexico 88240

Re: REQUEST FOR WAIVER
SWD Application
Little Lucky Lake Pool Area
Chaves County, New Mexico

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Yours very truly,

H. D. Raymond
District Superintendent

EDMc-cmc

Attachment

New Mexico Oil Conservation Commission
P.O. Box 2088
Santa Fe, New Mexico 87501

Re: SWD Application
TEXACO Inc. B.E. Spencer 'B' Fed.
Well No. 1
Chaves County, New Mexico

Gentlemen:

TEXACO Inc. has advised by copy of an application with attachments of their proposal to re-enter their B.E. Spencer 'B' Federal Well No. 1, located 660' FNL and 330' FWL of Section 28, T-15-S, R-30-E, Chaves County, New Mexico, and complete it as a SWD well in the Queen Formation from 2450' to 2782'.

The undersigned, as an Operator within one-half mile of the proposed SWD well, or as surface lessee, hereby waives objection to TEXACO's described application.

Signed _____

Company _____

Date _____

EDMc-bh

HALLIBURTON DIVISION LABORATORY

HALLIBURTON COMPANY

LOVINGTON, NEW MEXICO

No. W1-62-62

LABORATORY REPORT

Date February 12, 1962

To Texaco, Inc

Box 727

Lovington, New Mexico

Date Received

Well & Lease Peery Fed # 2. Depth Formation Devonian

Location Little Lucky Lake Field Source Well Head

Specific gravity 60/60 °F	1.038
Color, filtrate	
pH	6.9
Resistivity @ °F	
	ppm (mpl)
Chlorides, Cl	27,700
Sulfates, SO_4	Med (2500)
Alkalinity, HCO_3	425
Calcium, Ca	1,840
Magnesium, Mg	925
Iron, Fe	Negl.
Sodium, Na*	15,400
Sulfides, H_2S	Negl.

Remarks:

ppm equals Parts per million uncorrected or milligrams per liter
* includes Potassium as Na.

Respectfully submitted
HALLIBURTON COMPANY

Laboratory Analyst

Brewer

By Dave Sutton
Dave Sutton, Division Chemist

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