

NEW MEXICO OIL CONSERVATION COMMISSION

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

OPERATOR TEXACO Inc.		ADDRESS Box 728 - Hobbs, New Mexico	
LEASE NAME B.E. Spencer 'B' Federal	WELL NO. 1	FIELD Little Lucky Lake Area	COUNTY 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
SURFACE CASING	13-3/8"	469'	600 sxs.
INTERMEDIATE	8-5/8"	3000'	1100 sxs.
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 Queen Sand		TOP OF FORMATION 2428'	BOTTOM OF FORMATION 2822'
IS INJECTION THROUGH TUBING, CASING, OR ANNULUS? Tubing		PERFORATIONS OR OPEN HOLE? Perforations	PROPOSED INTERVAL(S) OF INJECTION 2450'-2762'
IS THIS A NEW WELL DRILLED FOR DISPOSAL? No	IF ANSWER IS NO, FOR WHAT PURPOSE WAS WELL ORIGINALLY DRILLED? Oil Well (P&A on completion)		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			
DEPTH OF BOTTOM OF DEEPEST FRESH WATER ZONE IN THIS AREA 250'		DEPTH OF BOTTOM OF NEXT HIGHER OIL OR GAS ZONE IN THIS AREA None	DEPTH OF TOP OF NEXT LOWER OIL OR GAS ZONE IN THIS AREA 11,050'
ANTICIPATED DAILY INJECTION VOLUME (BBLs.) 650	MINIMUM 2650	MAXIMUM 2650	OPEN OR CLOSED TYPE SYSTEM Closed
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 - Yes		WATER TO BE DISPOSED OF Yes	IS INJECTION TO BE BY GRAVITY OR PRESSURE? Pressure
ARE THE FOLLOWING ITEMS ATTACHED TO THIS APPLICATION (SEE RULE 701-B) Yes		NATURAL WATER IN DISPOSAL ZONE Yes	APPROX. PRESSURE (PSI) 2000 Max.
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 (1/2) MILE OF THIS INJECTION WELL Pan American Petroleum Corp. - P.O. Box 68, Hobbs, New Mexico 88240			
HAVE COPIES OF THIS APPLICATION BEEN SENT TO EACH OF THE FOLLOWING? Yes		SURFACE OWNER Yes	
ARE THE FOLLOWING ITEMS ATTACHED TO THIS APPLICATION (SEE RULE 701-B) Yes		EACH OPERATOR WITHIN ONE-HALF MILE OF THIS WELL Yes	
		THE NEW MEXICO STATE ENGINEER No	
		DIAGRAMMATIC SKETCH OF WELL Yes	

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

(Signature)

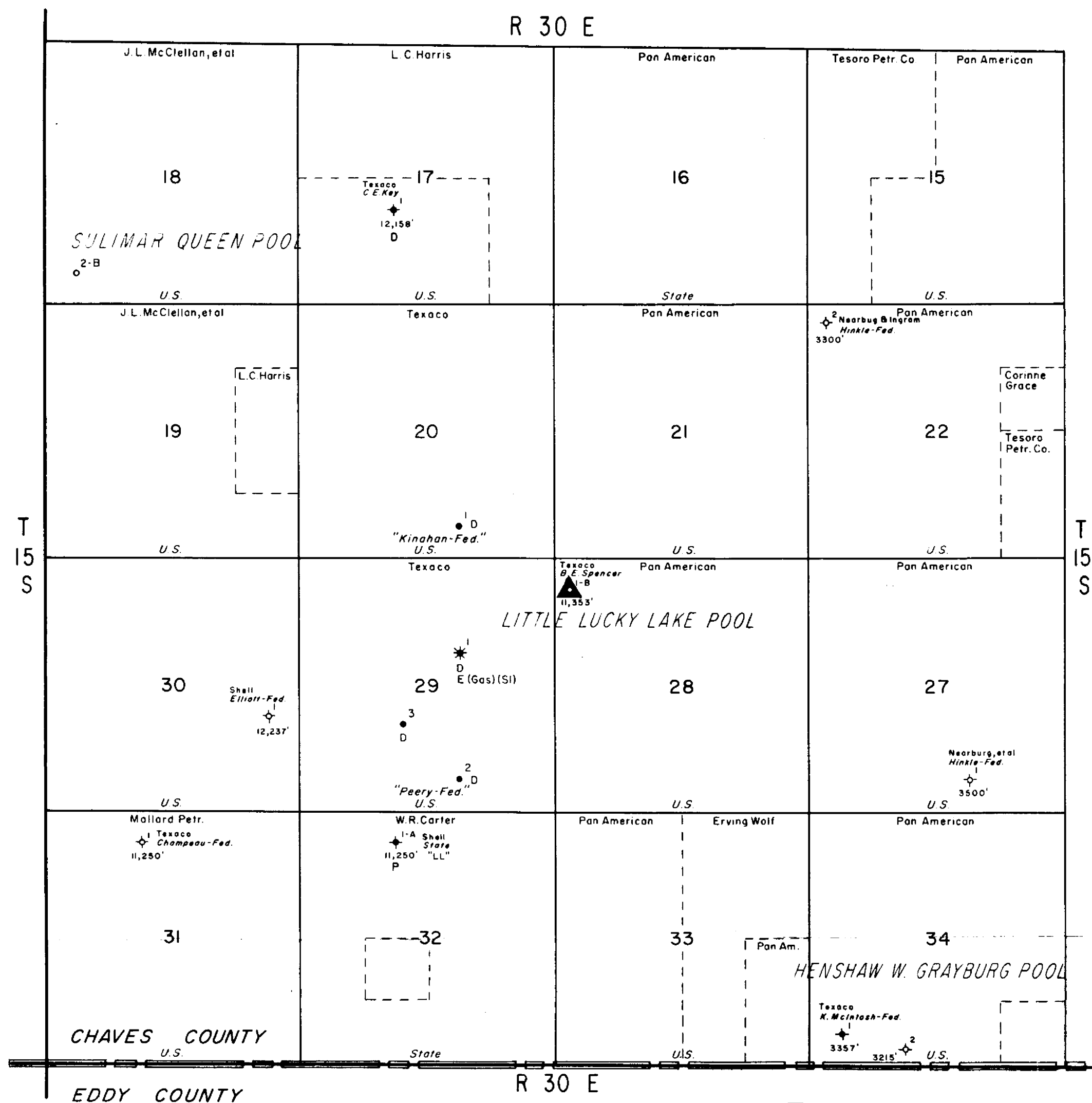
Asst. District Superintendent

(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.



LEGEND -

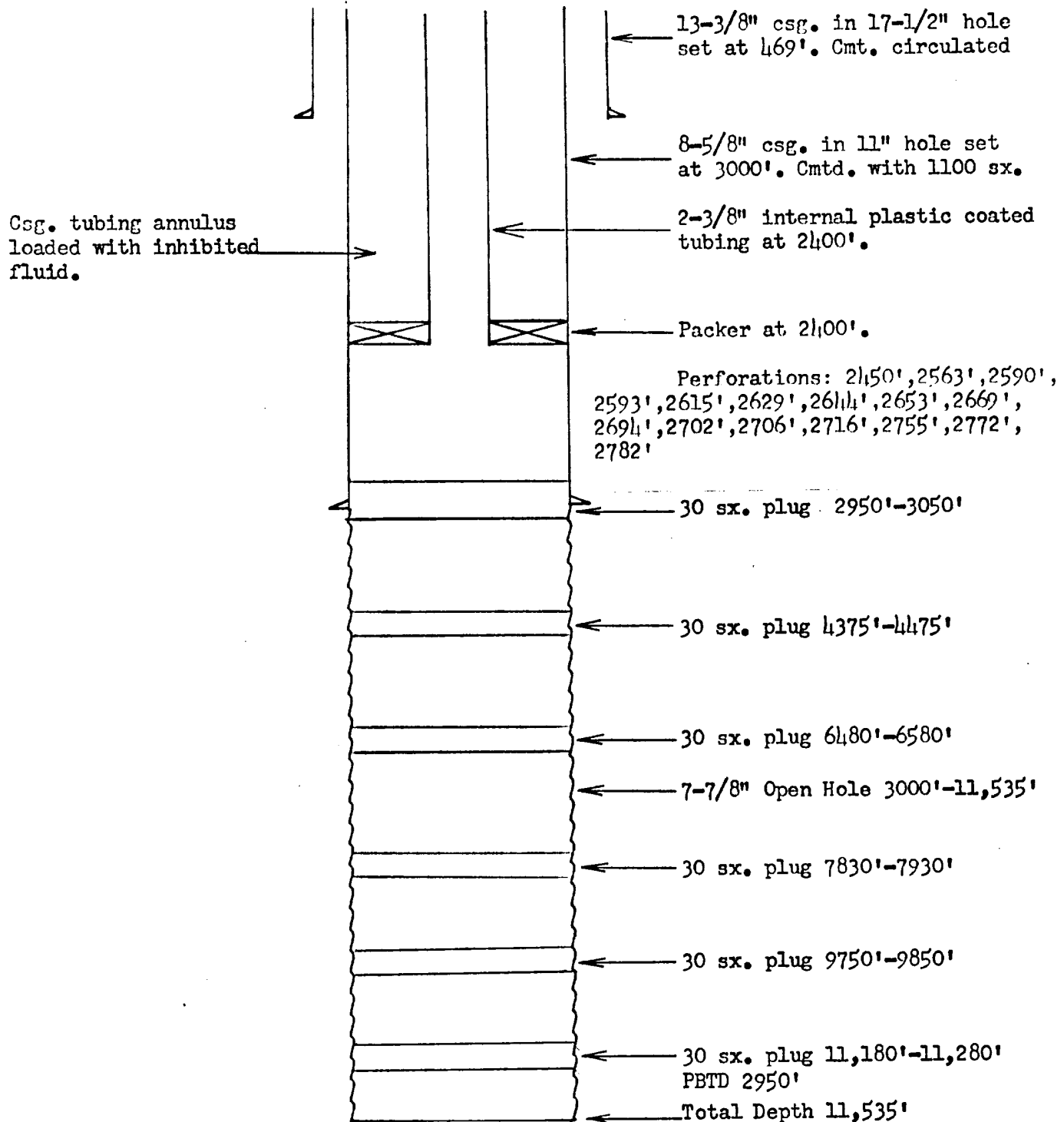
- D - DEVONIAN
- E - ELLENBURGER
- P - PENNSYLVANIAN
- ▲ - PROPOSED SALT WATER DISPOSAL WELL

TEXACO Inc.
MIDLAND DIVISION

LITTLE LUCKY LAKE POOL
CHAVES COUNTY, NEW MEXICO

SCALE: 0' 2000' 4000'

DRAWN BY: FMR DATE: 11-5-68



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

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

SECRET

CONFIDENTIAL

CONFIDENTIAL

CONFIDENTIAL

CONFIDENTIAL

CONFIDENTIAL

CONFIDENTIAL

CONFIDENTIAL

CONFIDENTIAL

November 8, 1968

Pan American Petroleum Corp.
P. O. Box 58
Hobbs, New Mexico 88240

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

THE UNIVERSITY OF CHICAGO

THE UNIVERSITY OF CHICAGO
CHICAGO, ILLINOIS

THE UNIVERSITY OF CHICAGO
CHICAGO, ILLINOIS

CHICAGO, ILL.

THE UNIVERSITY OF CHICAGO
CHICAGO, ILLINOIS

THE UNIVERSITY OF CHICAGO
CHICAGO, ILLINOIS

CHICAGO, ILL.

CHICAGO, ILL.

CHICAGO, ILL.

CHICAGO, ILL.

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

LABORATORY REPORT

No. WL-62-62

Date February 12, 1962

This report is the property of Halliburton Company and neither it nor any part thereof nor a copy thereof is to be published or disclosed without first securing the express written approval of laboratory management; it may however, be used in the course of regular business operations by any person or concern and employees thereof receiving such report from Halliburton Company.

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 1.038

60/60 °F

Color. filtrate

pH 6/9

Resistivity

°F
ppm (mpl)

Chlorides, Cl 27,700

Sulfates, SO₄ Med (2500)

Alkalinity, HCO₃ 425

Calcium, Ca 1,840

Magnesium, Mg 925

Iron, Fe Negl.

Sodium, Na⁺ 15,400

Sulfides, H₂S Negl.

Remarks:

ppm equals Parts per million uncorrected or milligrams per liter

* includes Potassium as Na.

Laboratory Analyst

Brewer

Respectfully submitted

HALLIBURTON COMPANY

By

Dave Sutton
Dave Sutton, Division Chemist