

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501

BEFORE EXAMINER CATANACH
Revised 7-1-81
OIL CONSERVATION DIVISION

APPLICATION FOR AUTHORIZATION TO INJECT

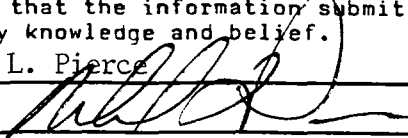
- I. Purpose: ☒ Secondary Recovery ☐ Pressure Maintenance ☐ Disposal ☐ Storage
Application qualifies for administrative approval? **CASE NO:** ☒ 10401

TEXACO EXHIBIT NO. 1

II. Operator: TEXACO EXPLORATION AND PRODUCTION INC.

Address: 205 East Bender Blvd. Hobbs, New Mexico 88240

Contact party: Michael L. Pierce Phone: 505-392-1915

- III. Well data: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? ☐ yes ☒ no
If yes, give the Division order number authorizing the project _____.
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- * VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
 2. Whether the system is open or closed;
 3. Proposed average and maximum injection pressure;
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and
 5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- *VIII. Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such source known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- * X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division they need not be resubmitted.)
- * XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification
- I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
- Name: Michael L. Pierce Title: Consultant
- Signature:  Date: 9-24-91
- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be duplicated and resubmitted. Please show the date and circumstance of the earlier submittal.

III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; location by Section, Township, and Range; and face location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

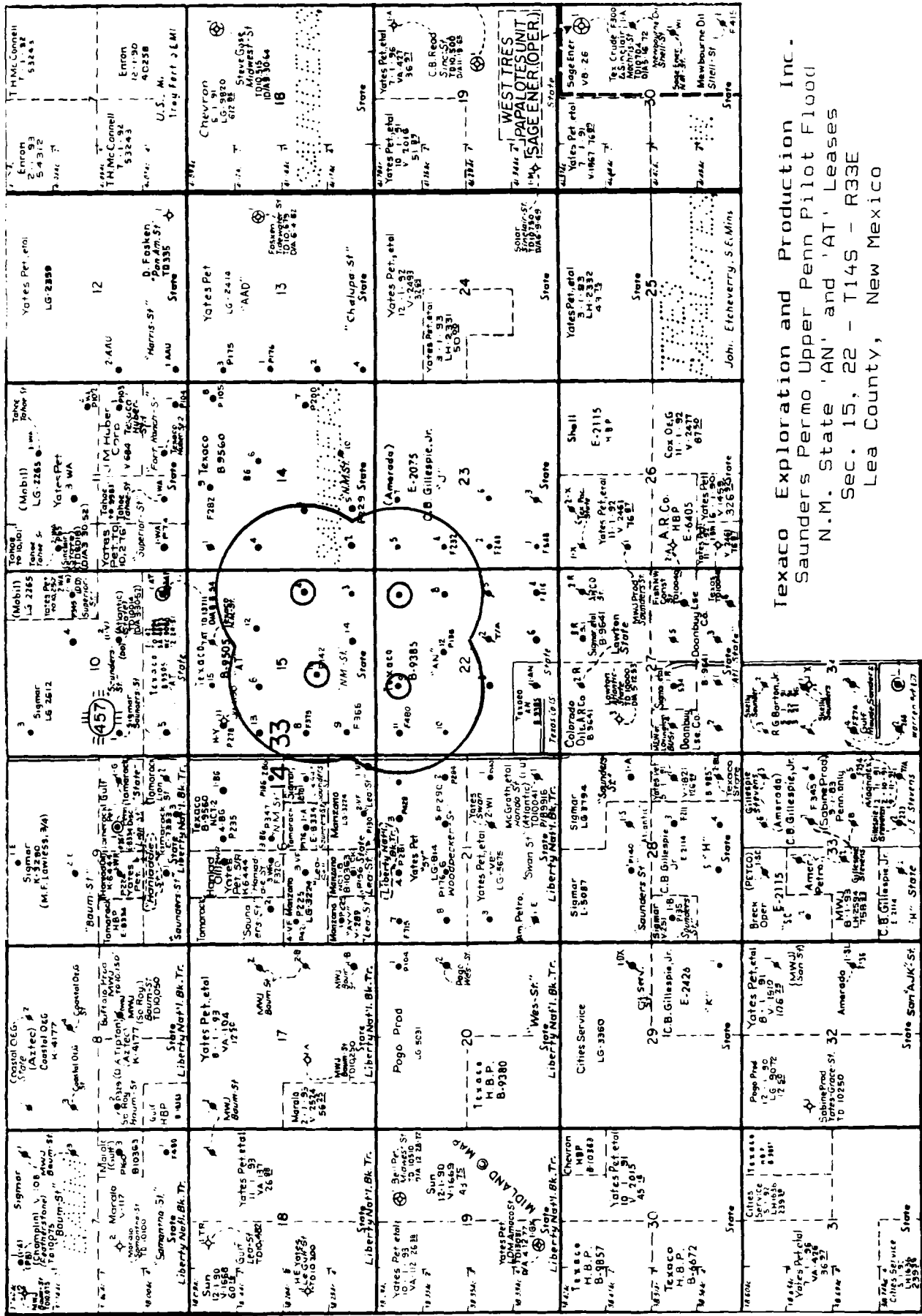
All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) the intended purpose of the injection well; with the exact location of single wells or the section, township, and range location of multiple wells;
- (3) the formation name and depth with expected maximum injection rates and pressures; and
- (4) a notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within 15 days.

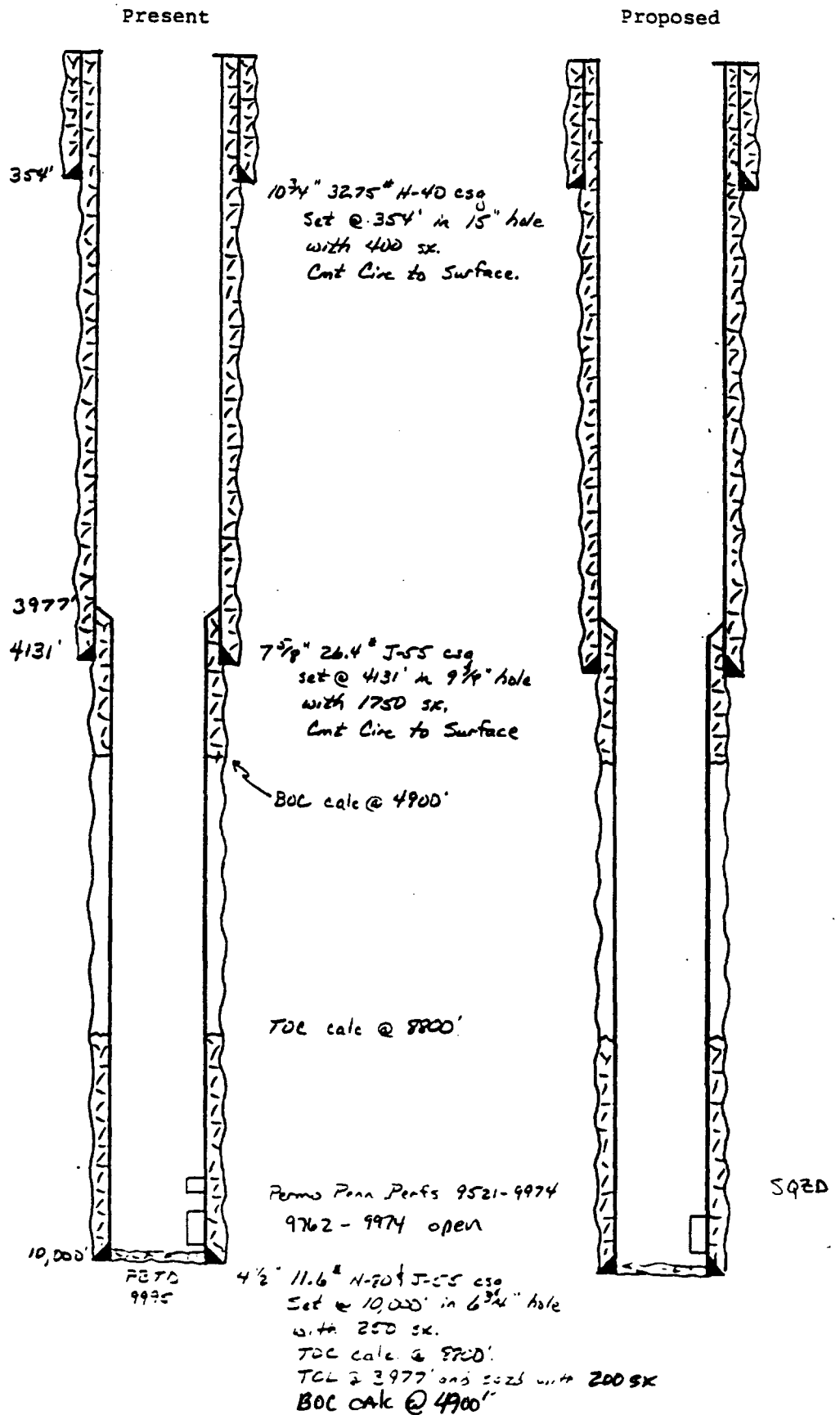
NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

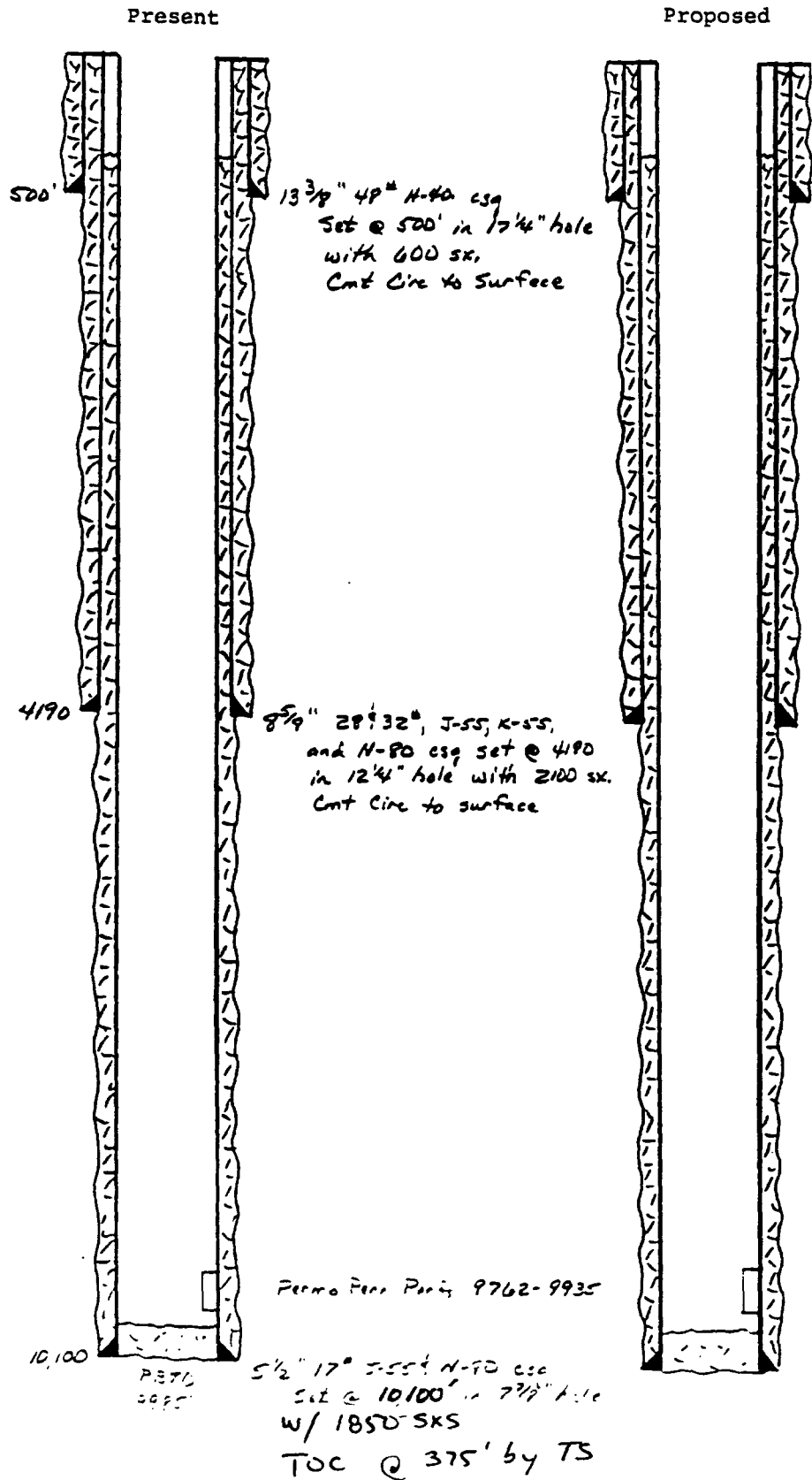


Texaco Exploration and Production Inc.
 Saunders Permo Upper Penn Pilot Flood
 N.M. State 'AN' and 'AT' Leases
 Sec. 15, 22 - T14S - R33E
 Lea County, New Mexico

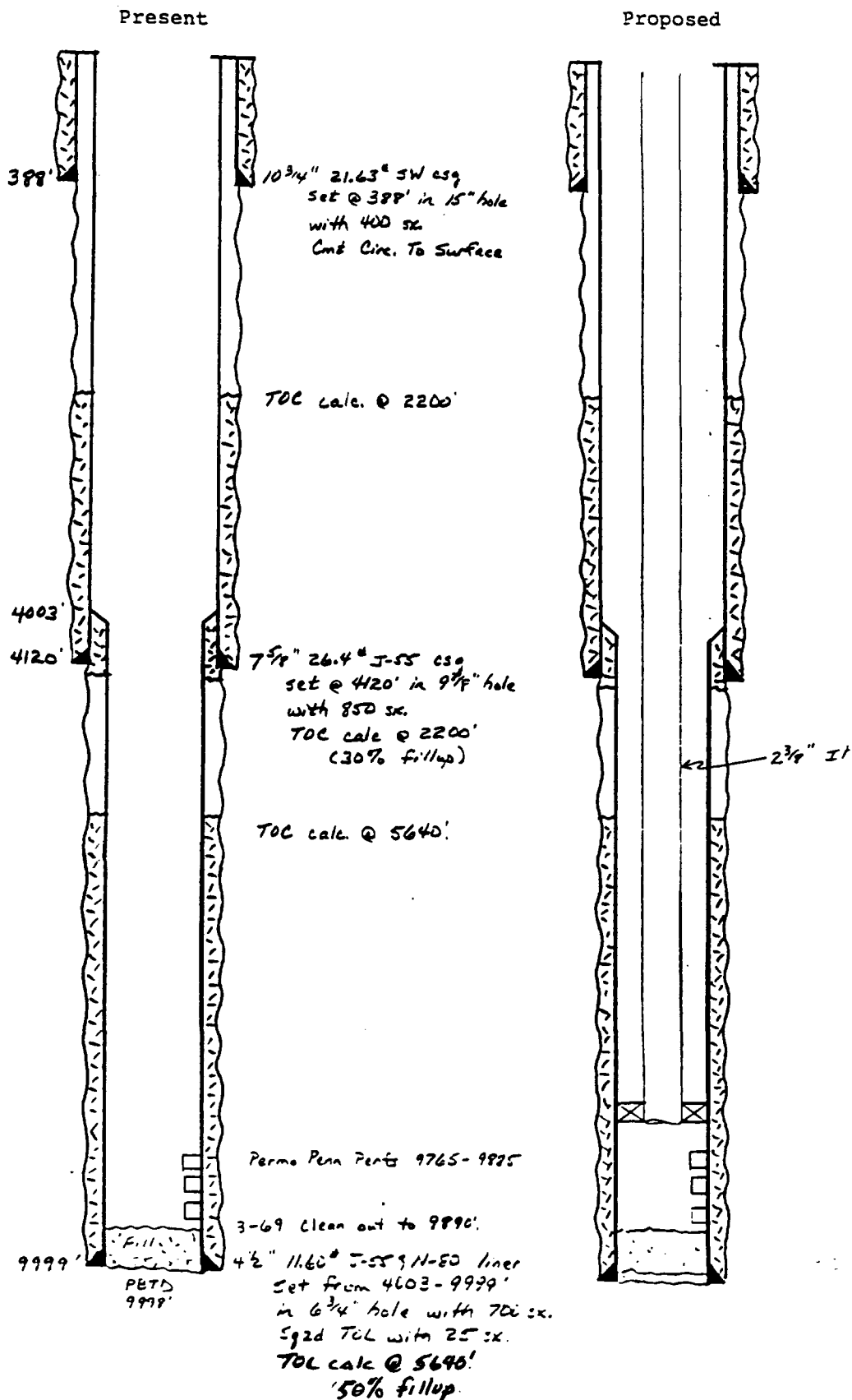
- 1) New Mexico 'AT' State well No. 4
 1980' FSL and 660' FEL
 sec. 15 - T14S - R33E
 Injection interval 9521 - 9974



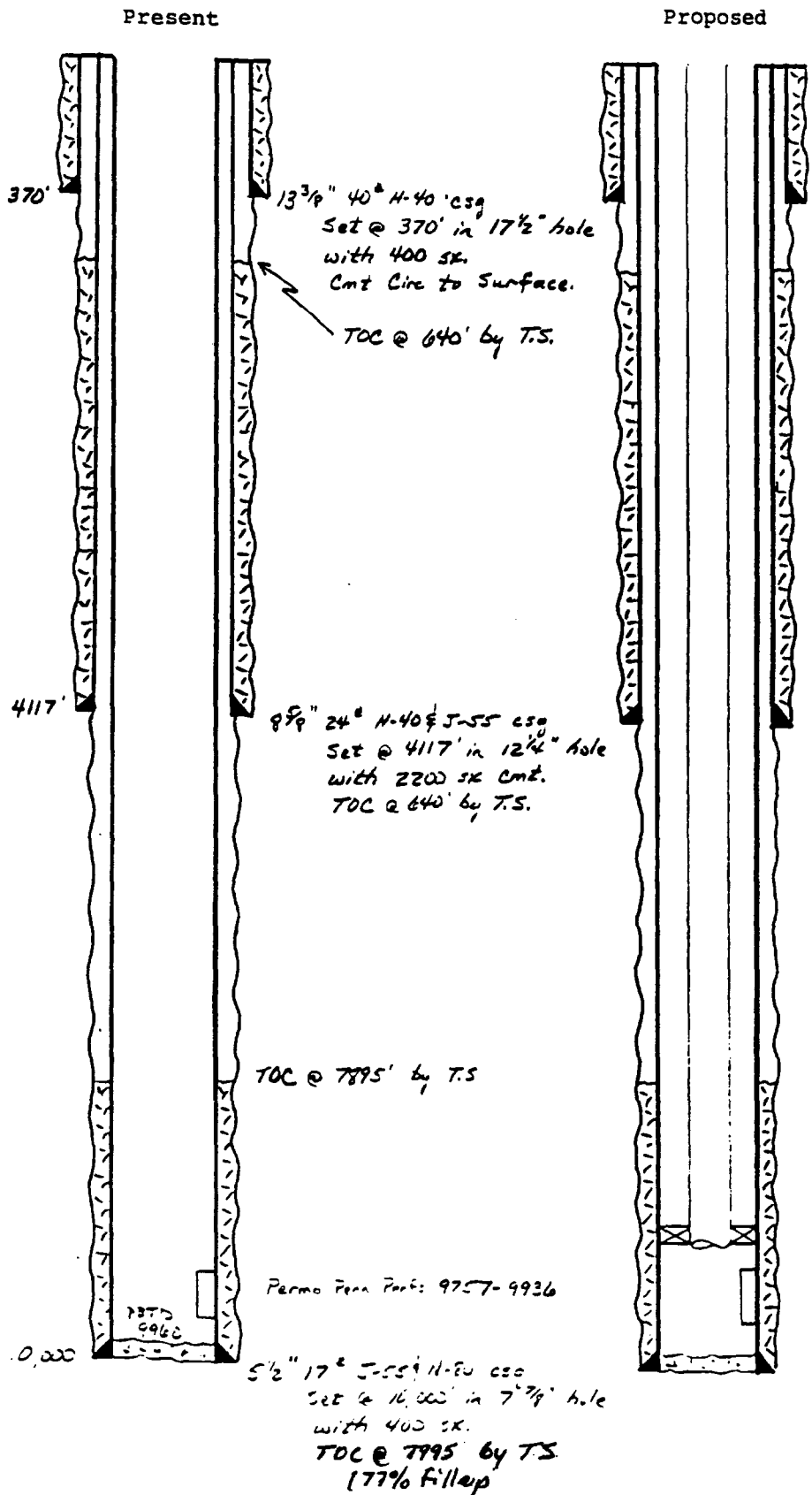
2) New Mexico 'AT' State well No. 10
 1650' FSL and 2305' FWL
 sec. 15 - T14S - R33E
 Injection interval 9762 - 9935



3) New Mexico 'AN' State well No. 9
 660' FNL and 1980' FWL
 sec. 22 - T14S - R33E
 Injection interval 9765 - 9885



4) New Mexico 'AN' State well No. 7
 660' FNL and 660' FEL
 sec. 22 - T14S - R33E
 Injection interval 9757 - 9936

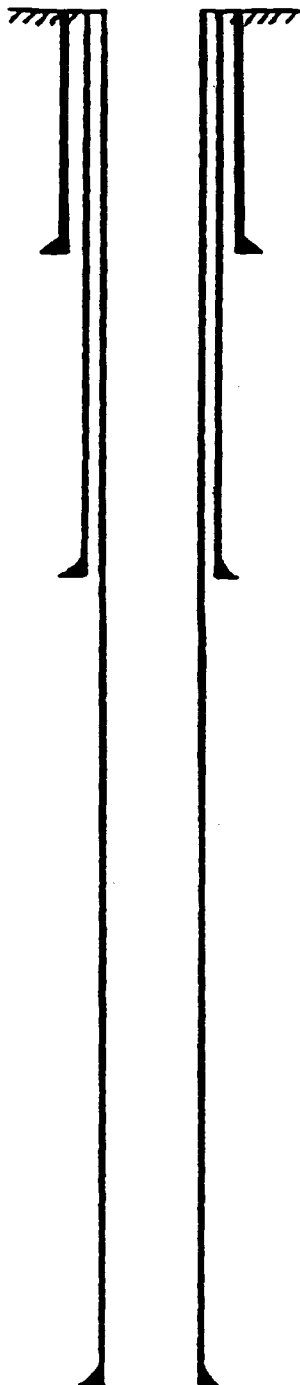


OPERATOR <i>Texaco Exploration and Production Inc</i>		DATE <i>9-11-91</i>	
LEASE <i>New Mexico B6 State NCT-1</i>	WELL No. <i>2</i>	LOCATION <i>Unit M 14-14-33</i>	

660' FSL + 660' FWL

Status: Active Producer

Standers Permian - Perm



*13 3/8" CSG set @ 344' w/ 425 SXS circ
17 1/2" hole*

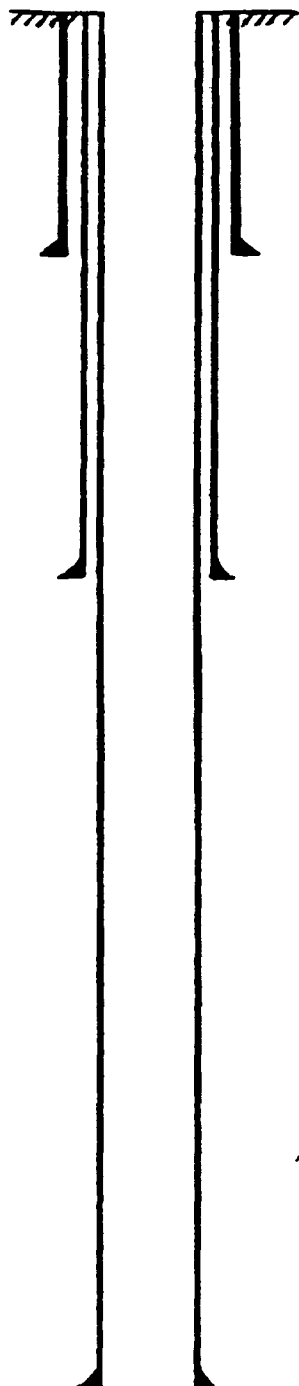
*8 5/8" casing set at 4120' with 2400 sx of _____ cement
Hole size 12 1/4" Cmt circulated*

*perf 9753 - 9794
perf 9857 - 9920*

*5 1/2" casing set at 9999' with 400 sx of _____ cemen
Total Depth 10,000' Hole size 7 7/8" TOC by temp
Survey 8290'*

OPERATOR <u>Texas Exploration and Production Inc</u>		DATE <u>9-11-91</u>
LEASE <u>New Mexico BG State NCT-1</u>	WELL NO. <u>3</u>	LOCATION <u>Unit K 14-14-33</u>

1930' FSL and 1651' FWL
 STATUS: Active producer
 STIMULUS Permian-Penn



11 3/4" C56 set @ 365' w/ 350 SXS circ
 15" hole.

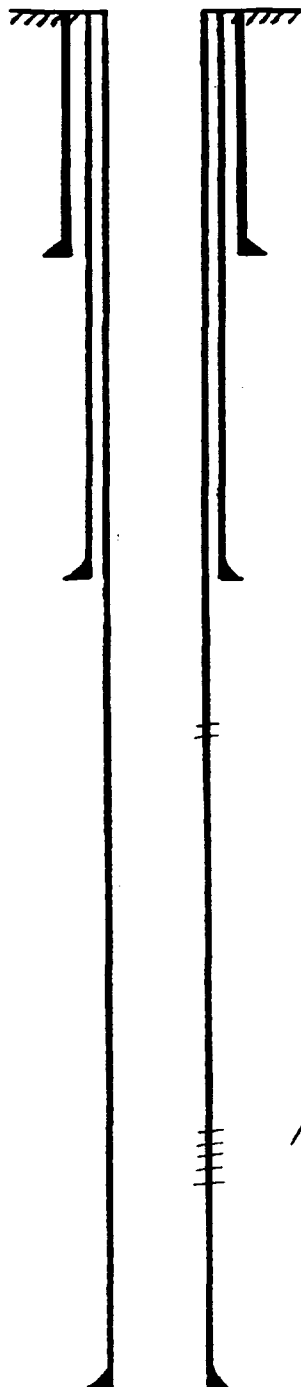
8 5/8" casing set at 4150' with 900 sx of _____ cement
 Hole size 10 5/8" TOC @ 1536' using 50% efficiency

ref 9754 - 9947

4 1/2" casing set at 10045' with 1100 sx of _____ cement
 Total Depth 10045' Hole size 7 7/8" TOC @ 7099'
 using 50% efficiency

OPERATOR <u>Texaco Exploration + Production Inc</u>		DATE <u>9-11-91</u>	
LEASE <u>New Mexico 66 State NCT-1</u>	WELL NO. <u>4</u>	LOCATION <u>Unit E</u>	<u>14-14-33</u>

1980' FNL and 660' FNL
 STATUS: Active Producer
 Saunders Permian - Penn



1 1/4" CSG set @ 397' w/ 225 SX5 CIRC

8 5/8" casing set at 4150' with 900 sx of _____ cement
 Hole size 10 5/8" TOC @ 1536' using 50% efficiency

CSG leak @ 4929-61 perf 4950 w/ 2 STUTS
 SQZ w/ 100 SX

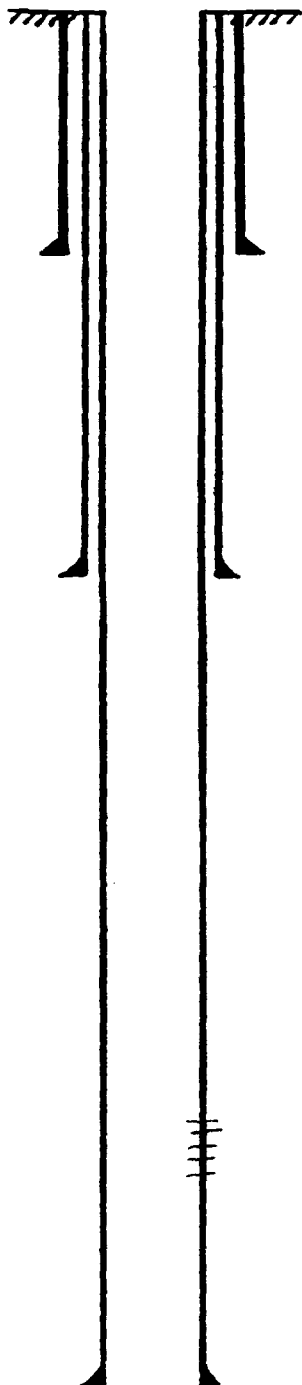
perf 9771 - 9954

4 1/2" casing set at 10045' with 1100 sx of _____ cemer
 Total Depth 10,015' Hole size 7 7/8" TOC @ 7069'
 using 50% efficiency

OPERATOR	TEXACO EXPLORATION AND PRODUCING INC.		DATE	9-11-91
LEASE	NM- STATE AT LEASE	WELL NO.	LOCATION	
		3	UNIT P 15-14-33	

660' FSL + 660 FEL

Status: Active Producer
Saunders Permian-Penn



13³/₈" CSG set @ 348' cmt w/ 475 SXS CIRC
17¹/₂" hole

8⁵/₈" casing set at 4114' with 2400 sx of _____ cement
Hole size 11" cement CIRC

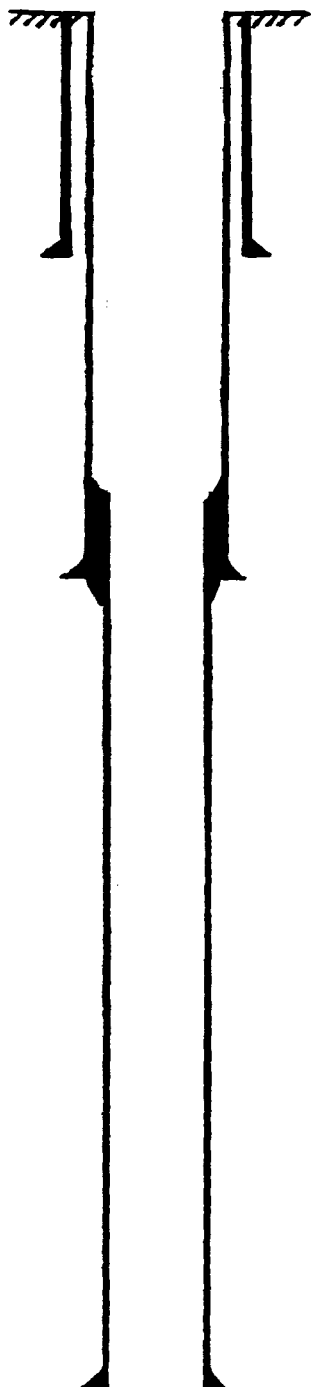
perf 9948 - 9910 Selectively A/ 500 gal 15%
perf 9948 - 9958

5.5" casing set at 9999' with 350 sx of _____ cemer.
Total Depth 9999' Hole size 7⁷/₈" TOC @ 8767'
using 50% efficiency

OPERATOR	TEXACO EXPLORATION AND PRODUCING INC.		DATE	9-11-91
LEASE	NM- STATE AT LEASE	WELL No.	LOCATION	
		6	Unit F	15-14-33

1980 FNL MD 1980' FNL

STATUS: Active Producer *Scanners*
Perm - Perm



10 3/4" CSG set @ 366' w/ 400 SXS Circ
15" hole

7 5/8" casing set at 4140' with 700 sx of _____ cement
Hole size 10 5/8" TOC @ 2837' using 50% efficiency

perf 9359-9387
9501-9684 } these perts to be sgen
9495-9601

perf 9866-9874 A/1000 LSTNE
9773 - 9930
9769 - 9944

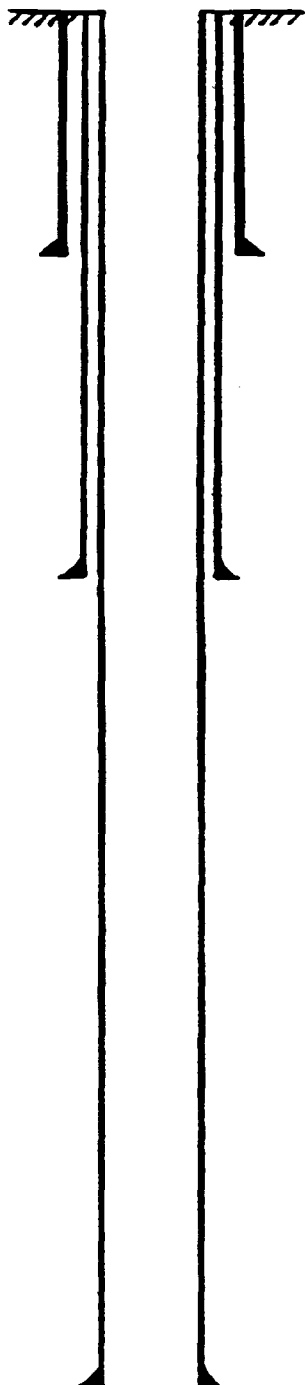
4 1/2" Liner Liner top @ 3969
casing set at 10000' with 700 sx of _____ cement

Total Depth 10000' Hole size 6 3/4" Circ cmt

1 AM 6029' Liner

OPERATOR	TEXACO EXPLORATION AND PRODUCING INC.		DATE	9-11-91
LEASE	NM- STATE AT LEASE	WELL No.	LOCATION	
		8	Unit L 15-14-33	

1980' FSL and 660' FWL
 STATUS: Active Producer
 SANDOZ Permian-Penn



13 3/8" CSG set @ 480' w/ 700 SKS cement Circ.
 17 1/2" hole

8 5/8" casing set at 4190' with 1500 sx of _____ cement
 Hole size 12 1/4" TOC by temp survey 1250'

9813 - 9873 }
 pert 9973 - 9983 } A/SUDD gnl 15% NE acid
 9910 - 9944 }

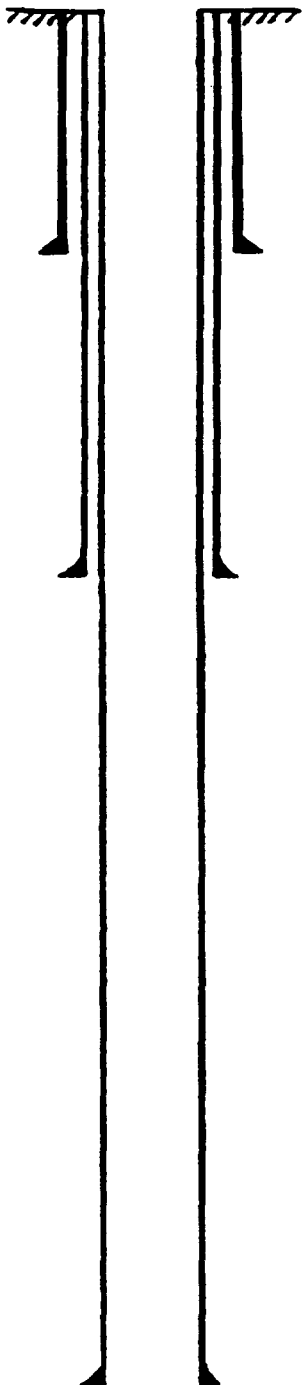
DV tool @ 6997 1st stage w/ 900 SKS
 2nd stage w/ 750 SKS Circ
 5 1/2" casing set at 10,100' with _____ sx of _____ cement
 Total Depth 10,100' Hole size 7 7/8"

OPERATOR	TEXACO EXPLORATION AND PRODUCING INC.		DATE	9-11-91
LEASE	NM- STATE AT LEASE	WELL No.	LOCATION	
		9	Unit M 15-14-33	

860' FSL and 660 FWL

Status: Active Producer

Swinders Permo-Penn



13 3/8" CSG set @ 470' cmt w/ 700 SXS Circ
17 1/2" hole

8 5/8" casing set at 4185' with 1600 sx of _____ cement
Hole size 11" cmt circulated

perft 9806 - 10015 A/9500 gal 15% NE acid

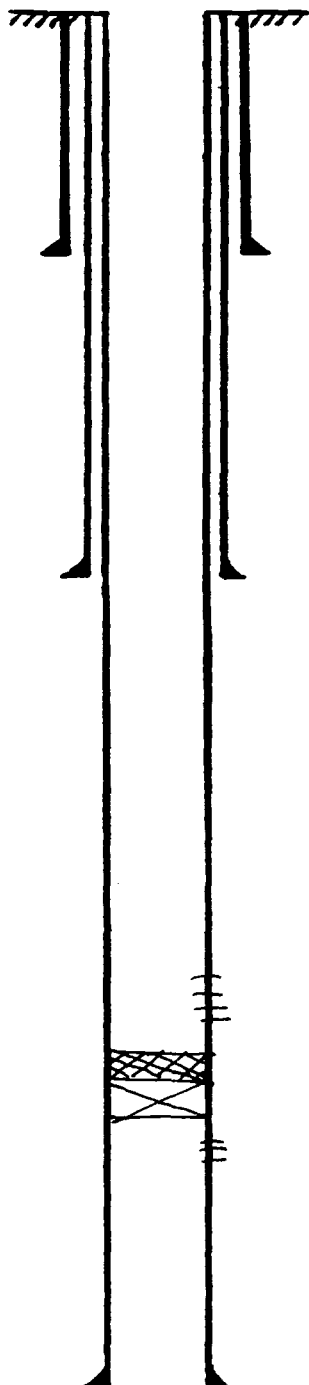
OV tool @ 7015' 1st stage cmt w/ 1100 SXS
2nd stage cmt w/ 900 SXS circ

5 1/2" casing set at 10,100' with _____ sx of _____ cemer

Total Depth 10,100' Hole size 7 7/8"

OPERATOR	TEXACO EXPLORATION AND PRODUCING INC.		DATE	9-11-91
LEASE	NM- STATE AT LEASE	WELL No.	LOCATION	
		12	Unit 6 15-14-33	

1980' FNL mid 1650' FEL
 STATUS: Active Producer
 Saunders Permo-Perm



13 7/8" CS6 net @ 525' w/ 650 SXS cmt CIRC

8 5/8" casing set at 4200' with 2000 sx of _____ cement
 Hole size _____" TOC By temp survey @ 750'

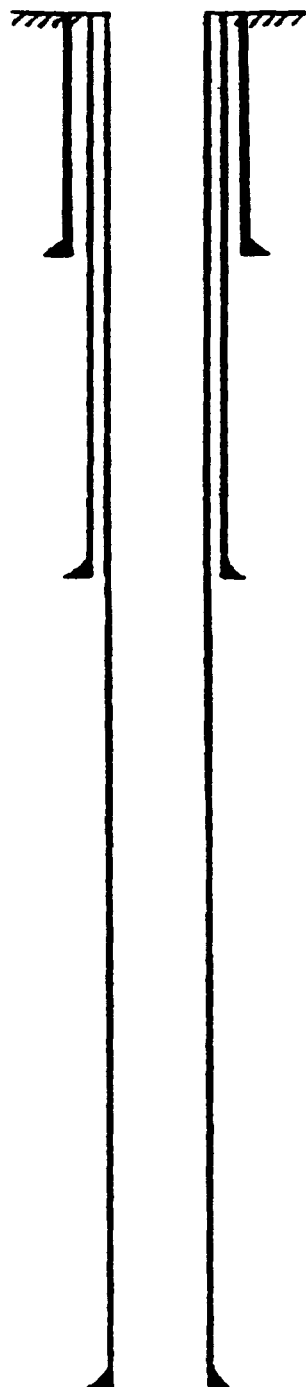
9768 - 9833',
 9883 - 9898,
 perf 9994 - 9999
 spot CIP @ 9950' + 10' cmt.

OV tool @ 7000' 1st stage cmta w/ 950 SXS
 2nd stage cmta w/ 1200 SXS CIRC

5 1/2" casing set at 10019' with _____ sx of _____ cement
 Total Depth 10,019' Hole size 7 7/8"

OPERATOR	TEXACO EXPLORATION AND PRODUCING INC.		DATE	9-11-91
LEASE	NM- STATE AT LEASE	WELL NO.	LOCATION	
		13	Unit E	15-14-33

1980' FNL AND 600' FNL
 Status: Active producer
 SANDERS Penno-Penn



13 ³/₈ " CS6 set @ 525 w/ 600 SXS cmt CIRC
 17 ¹/₂ " hole

18 ⁵/₈ " casing set at 4166 ' with 2200 sx of _____ cement
 Hole size 12 ¹/₄ " CMT CIRC

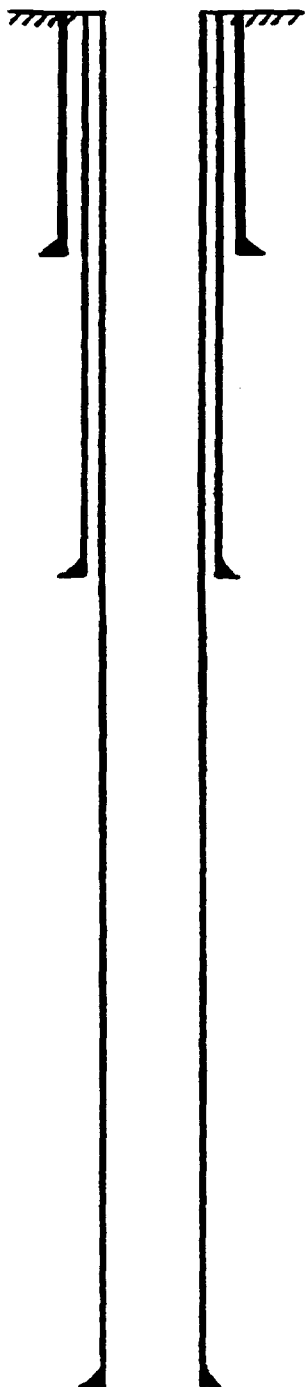
perf 9790 - 9979' A/ 8000 gal 15%

OV tool @ 6994' 1st stage cmt w/ 1000 SXS
 2nd stage cmt w/ 1200 SXS CIRC

5 ¹/₂ " casing set at 10100 ' with _____ sx of _____ cemen
 Total Depth 10100 ' Hole size 7 ⁷/₈ "

OPERATOR	TEXACO EXPLORATION AND PRODUCING INC.		DATE	9-11-91
LEASE	NM- STATE AT LEASE	WELL NO.	LOCATION	
		14	UNIT 0 15-14-33	

660' FSL MD 1980' FEL
 Status: Active Producer
 Saunders Permian-Penn



13³/₈ CSG set @ 525' cmt w/ 660 SXS CIRC
 17¹/₂ hole

8⁵/₈ 4200 2200
~~13³/₈~~ " casing set at 525' with 600 sx of cement
 Hole size 12¹/₄ " cmt CIRC

perf 9786-10002 A/12000 gal 15% NE MD

DV tool @ 7007' 1st stage cmta w/ 950 SXS
 2nd stage cmta w/ 1200 SXS CIRC
 5¹/₂ " casing set at 10,100' with sx of cement
 Total Depth 10,100' Hole size 7⁷/₈ "

OPERATOR	MANZANO O.I. Corp		DATE	9-11-91
LEASE	LEA VE STATE	WELL No	1	LOCATION UNIT P 16-14-33

330' FSL and 330' FSL

STATUS: Active PRODUCER

SANJUAN PERM - PENN



11 3/4" CSG set @ 412' w/ 400 SXS cmt. Circ
14 3/4" hole

8 5/8" casing set at 4157' with 1500 sx of _____ cement

Hole size 11" Cmt circulated

Side track Hole starts @ 6200'

CSG Collapse @ 8675'

Set SV tool @ 8408 pump 100 SXS
Class C. NO SXS

Cut and pull 5 1/2" CSG @ 6250 pump 160
SXS @ stub

Side track Td 10120'

5 1/2" CSG set @ 10120' w/ DV tool @ 7515'

1st stage cmt w/ 670 SXS

2nd stage cmt w/ 700 SXS - Cmt circ

Perf 9847 - 9984 A/250 gph

OLD Hole:

5 1/2" casing set at 10074' with 400 sx of _____ cement

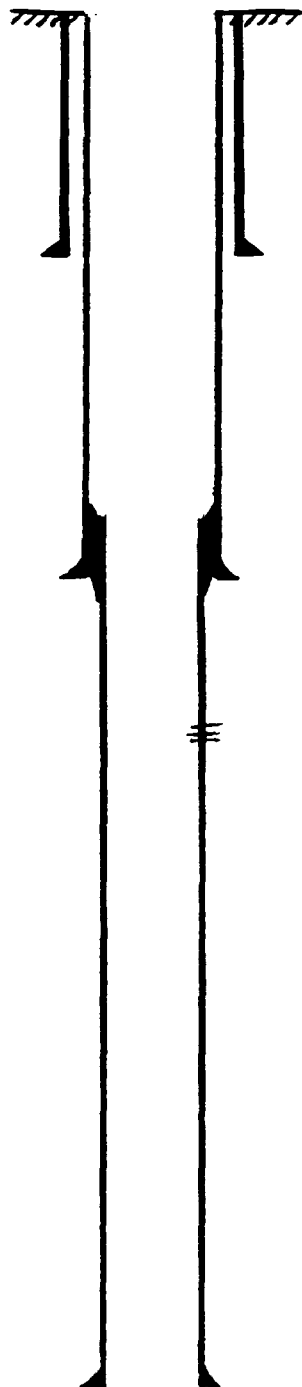
Total Depth 10100' Hole size 7 7/8" Toc by survey
@ 8670'

old perfs
9935 -
9984

OPERATOR	TEXACO EXPLORATION AND PRODUCING INC.		DATE	9-11-91
LEASE	STATE AN LEASE	WELL No.	LOCATION	
		8	Unit H 22-14-33	

1900' FNL and 660' FEL

Status: Active producer
 Saunders Permian-Penn



10³/₄" CSG set @ 369' w/ ⁴⁷⁵ 400 SXS cement circ.
 hole size 15"

7⁵/₈" casing set at 4122' with 1700 sx of _____ cement
 Hole size 9⁷/₈" TOC Circ

Sqz CSG LEAK @ 4912-5380 w/ 200 SXS

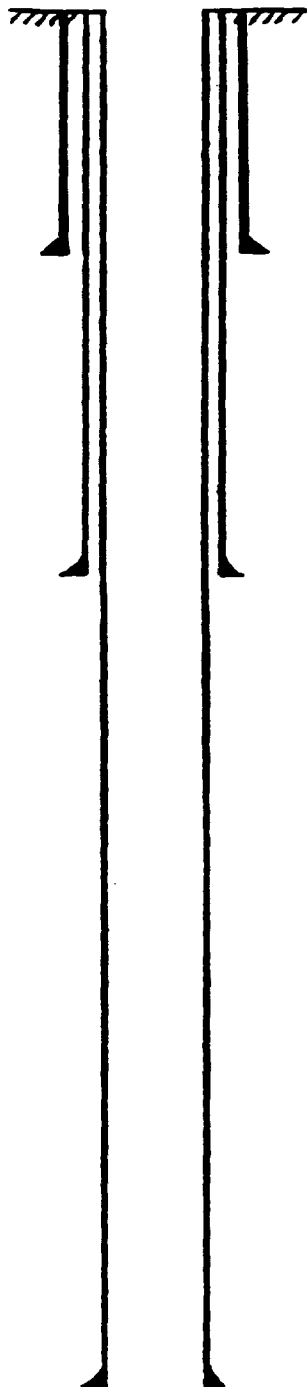
perf 9776 - 9794
 perf 9870 - 9920
 perf 9967 - 9970

Top of Liner @ 3971' Cement Bottom of Liner w/ 250 SXS
 Cement top of Liner w/ 100 SXS

4¹/₂" ^{Liner} casing set at 10000' with _____ sx of _____ cemen
 Total Depth 10000' Hole size 6³/₄"

OPERATOR	TEXACO EXPLORATION AND PRODUCING INC.		DATE	9-11-91
LEASE	STATE AN LEASE	WELL No.	LOCATION	
		10	Unit E 22-14-33	

1980' FNL and 660' FNL
 Status: Active producer
 Spindlers Permo Penn



11 3/4" CSG set @ 355' w/ 300 SXS Circ
 15" hole

8 5/8" casing set at 4120' with 500 sx of _____ cement
 Hole size 10 5/8" TOC @ 2668' 50% efficiency

perf 9790 - 9798
 perf 9898 - 9913
 perf 9902 - 9967

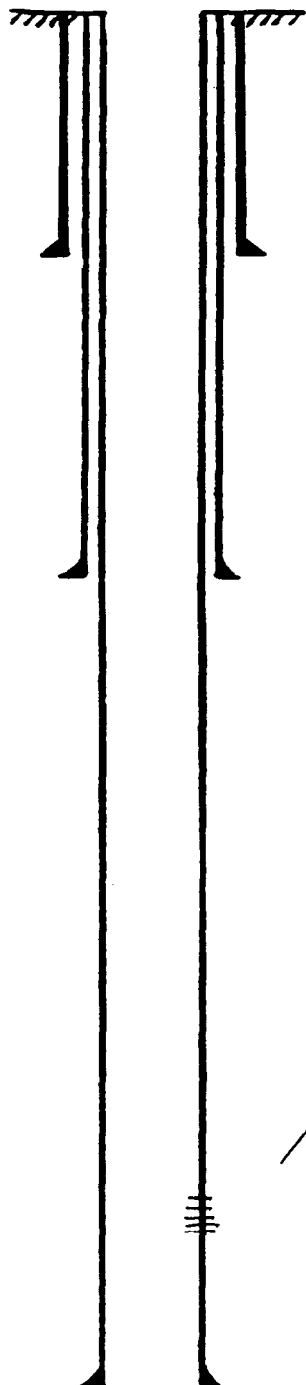
4 1/2" casing set at 10,060' with 1100 sx of _____ cemen
 Total Depth 10,060' Hole size 7 7/8" TOC @ 7114' using
 50% efficiency

OPERATOR	TEXACO EXPLORATION AND PRODUCING INC.		DATE	9-11-91
LEASE	STATE AN LEASE	WELL NO.	LOCATION	
		11	UNIT D 22-14-33	

660' FNL and 660' FNL

Status: Active Producer

Samuels Permian-Penn



13³/₈" CSG set @ 500' cmtos w/ 600 SXS Circ
17¹/₂" hole

8⁵/₈" casing set at 4190' with 2800 sx of _____ cement
Hole size 12¹/₄" CMT Circ

perf 9792-9971

1st stage cmtos w/ 900 SXS
DV tool @ 7052' 2nd stage cmtos w/ 1320 SXS Circ

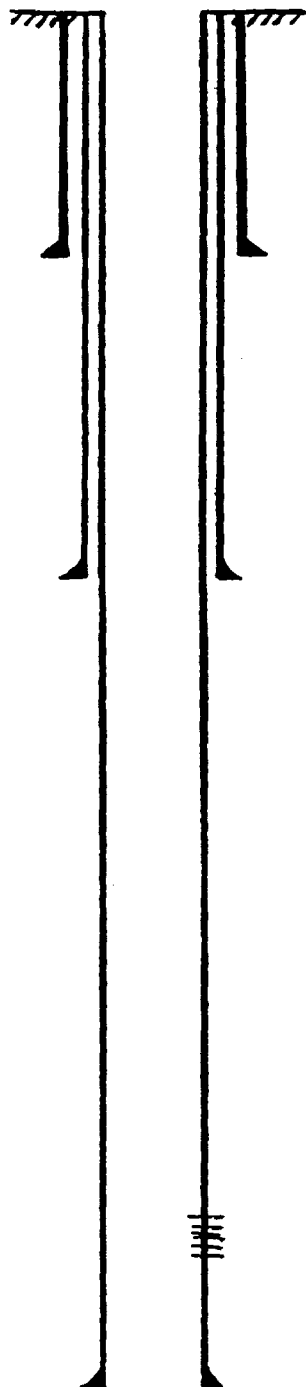
5¹/₂" casing set at 10,100' with _____ sx of _____ cement
Total Depth 10,100' Hole size 7⁷/₈"

OPERATOR	TEXACO EXPLORATION AND PRODUCING INC.		DATE	9-11-91
LEASE	STATE AN LEASE	WELL No.	LOCATION	
		12	Unit 6 22-14-33	

1980' FNL and 2303 FEL

Status: Active producer

Spindlers Permian - Penn



13³/₈" CSG set @ 525' cmta w/ 650 SXS CIRC
17¹/₂" hole

8⁵/₈" casing set at 4200' with 2000 sx of _____ cement
Hole size 12¹/₄" Cmt CIRC

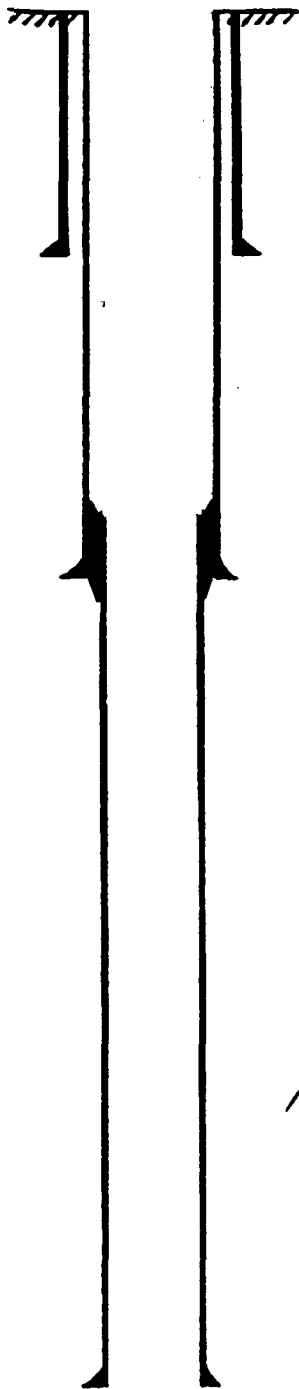
perf 9791 - 9944

Dv tool @ 6975 1st stage cmta w/ 950 SXS
2nd stage cmta w/ 1200 SXS CIRC

5¹/₂" casing set at 10,009' with _____ sx of _____ cemen
Total Depth 10,009' Hole size 7⁷/₈"

OPERATOR	Charles B. Gillespie, Jr.		DATE	9-11-91
LEASE	STATE J	WELL NO.	LOCATION UNIT E 23-14-33	

660' FWL and 1980' FNL
 STATUS: Active Producer
 Saunders Permo-Penn



13³/₈" CSG @ 295'
 17¹/₂" hole 300' cmtro w/ 250 SXS CIRC

8⁵/₈" casing set at 4169' with 1500 sx of _____ cement
 Hole size 11" TOC by survey @ 2036'

ref 9765 - 9791
 9808 - 9883
 9914 - 9929

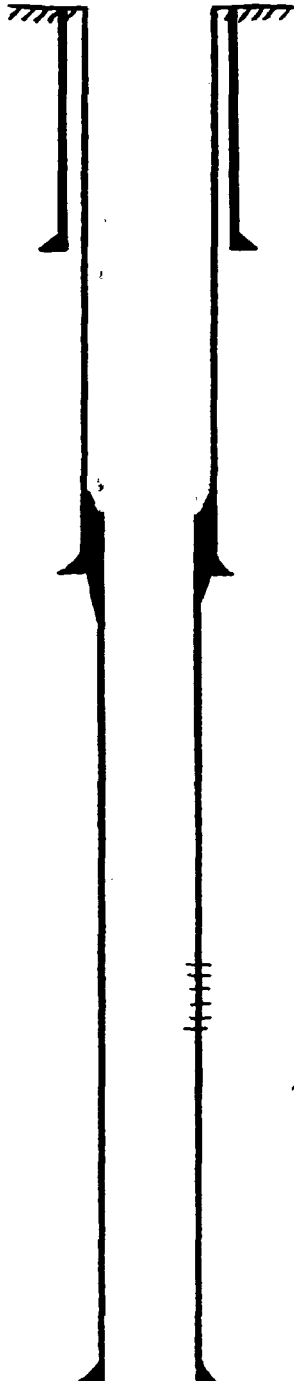
Top of Liner @ 4046' sqz top of liner w/ 200 SXS

5¹/₂" ^{Liner} ~~casing~~ set at 9949' with 600 sx of _____ cemen

Total Depth 9950' Hole size 7³/₈"

OPERATOR <u>Charles B. Gillespie Jr</u>		DATE <u>9-11-91</u>	
LEASE <u>State J</u>	WELL No. <u>S</u>	LOCATION <u>Unit D</u>	<u>23-14-33</u>

660' FNL + 660' FNL
 Status: Active producer
 Saunders Permian - Penn



13³/₈" CSG set @ 295' w/ 250 SXS CIRC
 17¹/₂" hole

8⁵/₈" casing set at 4154' with 1500 sx of _____ cement
 Hole size 11" TOC 544' using 50% efficiency

ref 9760 - 9804
 ref 9857 - 9870

Top of Liner @ 4011

5¹/₂" ^{Liner} casing set at 9985' with 600 sx of _____ cement

Total Depth _____' Hole size 7⁷/₈"

TOC 7788' by TS

Part III. A

1.) New Mexico 'AT' State No. 4
1980' FSL and 660' FEL
Sec. 15 - T14S - R33E
Unit I
Lea County, New Mexico

New Mexico 'AT' State No. 10
1650' FSL and 2305' FWL
Sec. 15 - T14S - R33E
Unit K
Lea County, New Mexico

New Mexico 'AN' State No. 9
660' FNL and 1980' FWL
Sec. 22 - T14S - R33E
Unit C
Lea County, New Mexico

New Mexico 'AN' State No. 7
660' FNL and 660' FEL
Sec. 22 - T14S - R33E
Unit A
Lea County, New Mexico

- 2.) See attached wellbore schematic's.
- 3.) Propose to run 2 3/8" plastic coated tubing, and set at approximately 100' above top perf.
- 4.) Propose to run IPC Model R Packer as a seal. and load the backside with packer fluid.

Part III. B

- 1.) The injection interval is the Permo Upper Penn, and the wells are located in the Saunders Permo Upper Penn Field.
- 2.) The injection interval will be cased at approximately 9748' - 9974'.
- 3.) These wells were originally drilled as producing wells.
- 4.) See wellbore schematic
- 5.) There is no deeper oil horizon or shallower oil producing zone in the immediate vicinity.

Part VII.

- 1.) The proposed daily injection will be 2000 bbls. per day. The maximum will be 2000 bbls. per day.
- 2.) The system will be closed.
- 3.) The average injection pressure will be 0(Vacuum). The maximum will not exceed the limits set forth by the OCD.
- 4.) The source of the injection water will be from fresh water wells drilled on or near each injection well.
- 5.) The Saunders Permo Upper Penn is productive within one mile of the injection wells.

Part VIII

The injection interval is the Permo Upper Penn in the Saunders Permo Upper Penn Field, and is composed of alternating beds of red shale and porous limestone. The top of the Permo Penn section is the top of the Wolfcamp at approximately 9119'. This entire area is overlain by the Quaternary Alluvium and caliche. The fresh water in the area comes from the Ogallala aquifer. There are no fresh water zones below the Saunders Permo Upper Penn section.

Part IX

The disposal interval will be treated with a breakdown acid job.

Part X

The logs have been submitted by Texaco.

Part XI

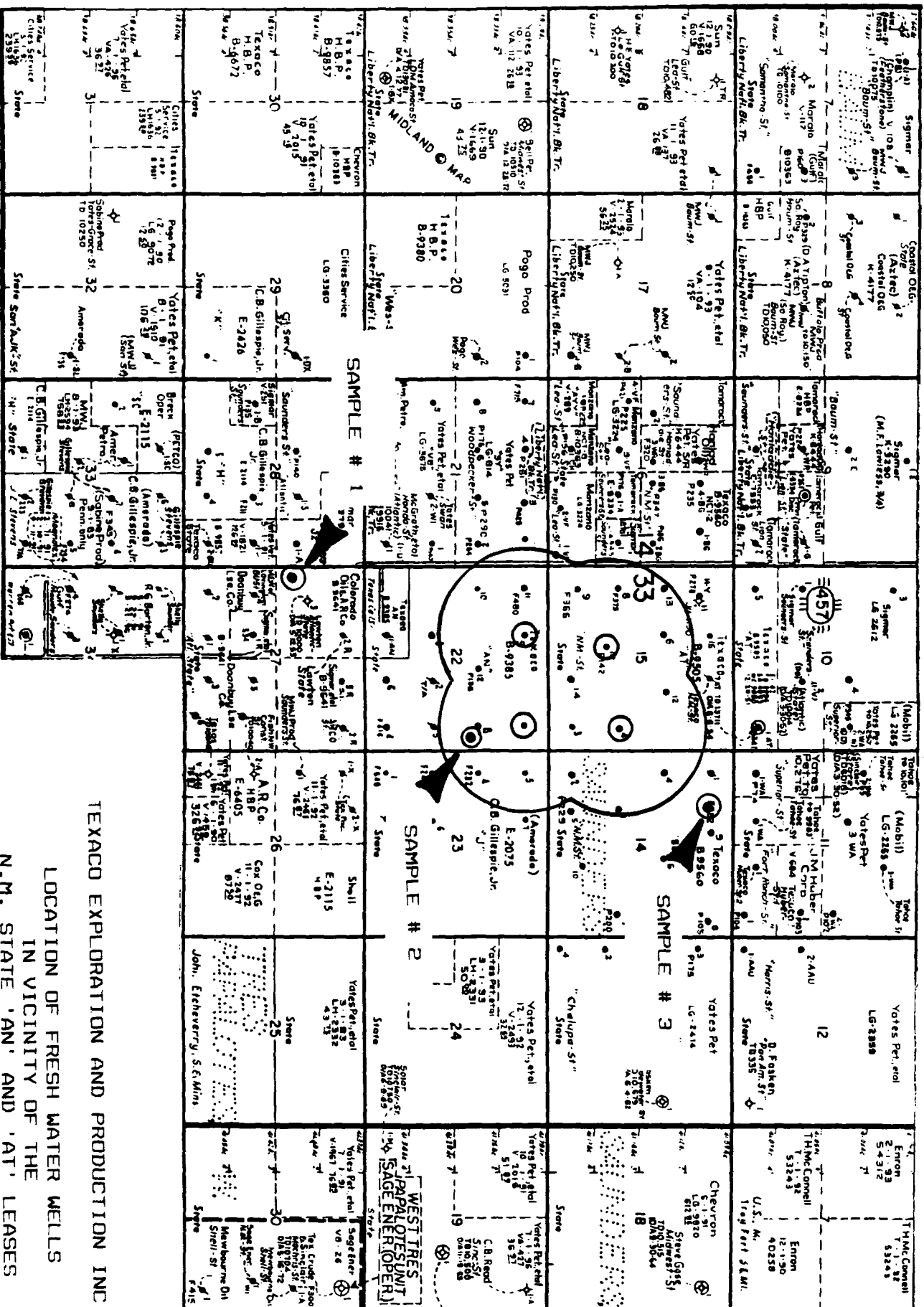
The water analysis for fresh water wells within one mile of the proposed injection wells are attached.

Part XII

We have examined all available geologic and engineering data, and find no evidence of open faults or any other hydrologic connection between the disposal interval and any underground source of drinking water.

TEXACO EXPLORATION AND PRODUCTION INC.

LOCATION OF FRESH WATER WELLS
IN VICINITY OF THE
N.M. STATE 'AN' AND 'AT' LEASES



HALLIBURTON DIVISION LABORATORY

HALLIBURTON SERVICES

MIDLAND DIVISION

HOBBS, NEW MEXICO 88240

LABORATORY REPORT

No. 379

To Texaco Exploration and Production Inc.

Date 09-17-91

Box 728

Hobbs, New Mexico 88240

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Submitted by Mike Pierce

Date Rec. 09-17-91

Well No. See Below

Depth

Formation

County Lea

Field Saunders

Source see below

Sample #1 Located Southwest of Atlantic #3
Water from windmill to run Cl. count
Cl. ---- 80 mpl

Sample #2 Located South East of N.M. AN #8
Water from windmill to run Cl count
Cl. --- 105 mpl

Sample #3 Located at the Old Hilborn Ranch House
Water from water well (pump) to run Cl.
Cl. --- 100 mpl

John Eubank

Respectfully submitted,

Analyst:

HALLIBURTON COMPANY

cc:

By

CHEMIST

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