

BEFORE THE NEW MEXICO OIL CONSERVATION DIVISION

APPLICATION FOR AUTHORIZATION TO INJECT

LUSK WEST (DELAWARE) UNIT

Lea County, New Mexico

T A B L E O F C O N T E N T S

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APPLICATION

FORM C-108

APPLICATION FOR AUTHORIZATION TO INJECT

- I. Purpose: ☒ Secondary Recovery ☐ Pressure Maintenance ☐ Disposal ☐ Storage
Application qualifies for administrative approval? ☐ yes ☒ no
- II. Operator: Parker & Parsley Development L.P.
Address: P. O. Box 3178, Midland, TX 79702
Contact party: J. Britt Hirth Phone: 915/571-1266
- 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: J. Britt Hirth Title Sr. Operations Engineer
Signature: *J. Britt Hirth* Date: 12/11/96
- * 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 footage 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.

INJECTION WELL DATA SHEET

SECTION III

PROPOSED INJECTION WELL DATA SHEET

OPERATOR: Parker & Parsley Development L.P.

LEASE: LUSK DEEP UNIT "A"

WELL NO12

1660' FNL & 2300' FEL

SEC-20

T-19-S

R-32-E

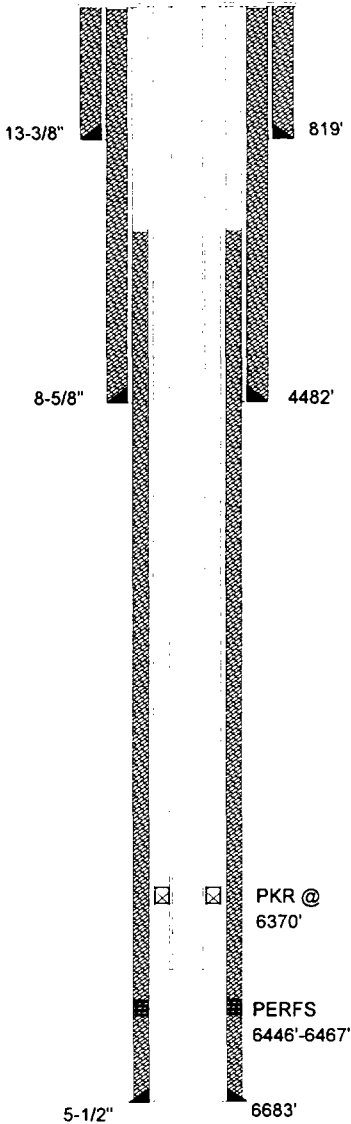
FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

SCHEMATIC



WELL CONSTRUCTION DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES

CEMENTED WITH: 500 sx

TOC: Surface

FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES

CEMENTED WITH: 1650 sx

TOC: 1350

FEET DETERMINED BY: Temp. Survey

HOLE SIZE: 11 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES

CEMENTED WITH: 800 sx

TOC: 2710

FEET DETERMINED BY: Temp. Survey

HOLE SIZE: 7-7/8 INCHES

4. INJECTION INTERVAL 6446 FEET TO: 6467 FEET

(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

"PERFORATED"

5. TOTAL DEPTH: 6700 FEET

6. TUBING SIZE

SIZE: 2-7/8 INCHES

LINED WITH: IPC 505 - PLASTIC COATING

SET IN A: ARROW SET 1-XS, PKR

PACKER AT: 6370 FEET:

OTHER DATA

A. IS THIS A NEW WELL DRILLED FOR INJECTION? YES NO

IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED? PRODUCING OIL AND GAS WELL

COMMENT: SPUD WELL 11/2/74. P&A WELLBORE 8/27/86. RE-ENTRY 4/12/89

B. NAME THE INJECTION FORMATION: 6400' SAND (BRUSHY CANYON)

C. NAME THE FIELD OR POOL (IF APPLICABLE) LUSK WEST (DELAWARE)

D. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED.

PERFS 8839'-8914' CIBP AT 8800' W/5, SX, CMT/TOP, PERFS 10680'-10708', CIBP AT 10640' W/5, SX, CMT/TOP, PERFS 11460'-11581', CIBP AT 11430' W/5, SX, CMT/TOP, CIBP AT 12212' W/20, SX, CMT/TOP

E. GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA:

1. YATES 2600'-2800'	WATKINS YATES N.E. LUSK YATES S. LUSK YATES	5. STRAWN 11000'-11200'	LUSK STRAWN OIL
2. DELAWARE 4600'-7100'	W. LUSK DELAWARE LUSK DELAWARE	6. ATOKA 11200'-11400'	LUSK ATOKA GAS
3. BONE SPRING 8200'-8950'	WATKINS BONE SPRING LUSK BONE SPRING S. LUSK BONE SPRING E. LUSK BONE SPRING	7. MORROW 11500'-12000'	LUSK MORROW GAS N.W. LUSK MORROW GAS N. LUSK MORROW GAS
4. WOLF CAMP 10100'-10700'	LUSK WOLFCAMP OIL E. LUSK WOLFCAMP OIL S. LUSK WOLFCAMP OIL		

PROPOSED INJECTION WELL DATA SHEET

OPERATOR: Parker & Parsley Development L.P.

LEASE: LUSK DEEP UNIT "A"

WELL NO14

330' FSL & 1980' FEL

SEC-20

T-19-S

R-32-E

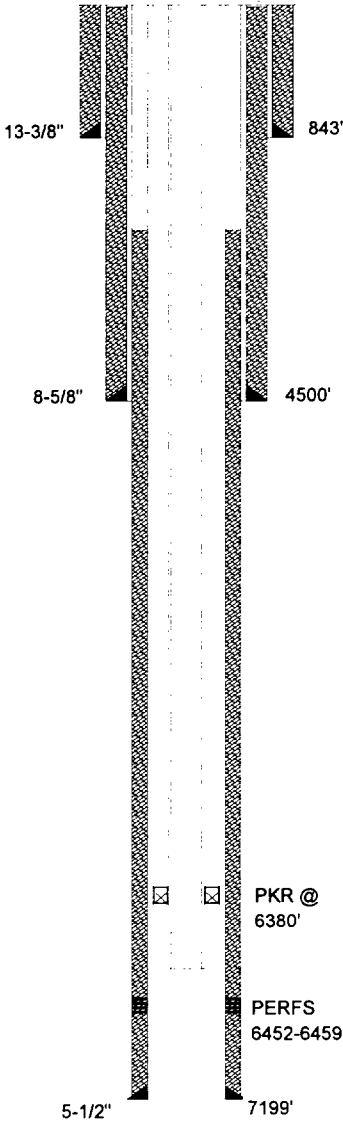
FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

SCHEMATIC



WELL CONSTRUCTION DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES

CEMENTED WITH: 1000 sx

TOC: Surface

FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES

CEMENTED WITH: 1700 sx

TOC: Surface

FEET DETERMINED BY: Circulated

HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES

CEMENTED WITH: 850 sx

TOC: 2320

FEET DETERMINED BY: Temp. Survey

HOLE SIZE: 7-7/8 INCHES

4. INJECTION INTERVAL 6452 FEET TO: 6459 FEET

(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

"PERFORATED"

5. TOTAL DEPTH: 7200 FEET

6. TUBING SIZE

SIZE: 2-7/8 INCHES

LINED WITH: IPC 505 - PLASTIC COATING

SET IN A: ARROW SET 1-XS, PKR

PACKER AT: 6380 FEET:

OTHER DATA

A. IS THIS A NEW WELL DRILLED FOR INJECTION? YES NO

IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED? PRODUCING OIL AND GAS WELL

B. NAME THE INJECTION FORMATION: 6400' SAND (BRUSHY CANYON)

C. NAME THE FIELD OR POOL (IF APPLICABLE) LUSK WEST (DELAWARE)

D. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NO

E. GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA:

1. YATES 2600'-2800'	WATKINS YATES N.E. LUSK YATES S. LUSK YATES	5. STRAWN 11000'-11200'	LUSK STRAWN OIL
2. DELAWARE 4600'-7100'	W. LUSK DELAWARE LUSK DELAWARE	6. ATOKA 11200'-11400'	LUSK ATOKA GAS
3. BONE SPRING 8200'-8950'	WATKINS BONE SPRING LUSK BONE SPRING S. LUSK BONE SPRING E. LUSK BONE SPRING	7. MORROW 11500'-12000'	LUSK MORROW GAS N.W. LUSK MORROW GAS N. LUSK MORROW GAS
4. WOLF CAMP 10100'-10700'	LUSK WOLFCAMP OIL E. LUSK WOLFCAMP OIL S. LUSK WOLFCAMP OIL		

PROPOSED INJECTION WELL DATA SHEET

OPERATOR: Parker & Parsley Development L.P.

LEASE: LUSK DEEP UNIT "A"

WELL NO17

330' FNL & 330' FEL

SEC-20

T-19-S

R-32-E

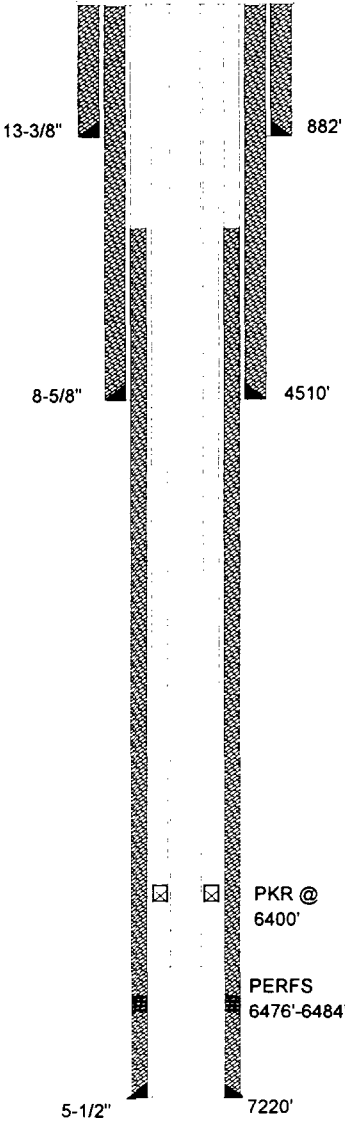
FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

SCHEMATIC



WELL CONSTRUCTION DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHESCEMENTED WITH: 1000sx

TOC: SurfaceFEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHESCEMENTED WITH: 1450sx

TOC: SurfaceFEET DETERMINED BY: Circulated

HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHESCEMENTED WITH: 800sx

TOC: 2790FEET DETERMINED BY: CALCULATED

HOLE SIZE: 7-7/8 INCHES

4. INJECTION INTERVAL6476 FEET TO: 6484 FEET

(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

"PERFORATED"

5. TOTAL DEPTH: 7224 FEET

6. TUBING SIZE

SIZE: 2-7/8 INCHESLINED WITH: IPC 505 - PLASTIC COATING

SET IN A: ARROW SET 1-XS, PKRPACKER AT: 6400 FEET:

OTHER DATA

A. IS THIS A NEW WELL DRILLED FOR INJECTION? YESNO

IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED? PRODUCING OIL AND GAS WELL

B. NAME THE INJECTION FORMATION: 6400' SAND (BRUSHY CANYON)

C. NAME THE FIELD OR POOL (IF APPLICABLE) LUSK WEST (DELAWARE)

D. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NO

E. GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA:

1. YATES 2600'-2800'	WATKINS YATES N.E. LUSK YATES S. LUSK YATES	5. STRAWN 11000'-11200'	LUSK STRAWN OIL
2. DELAWARE 4600'-7100'	W. LUSK DELAWARE LUSK DELAWARE	6. ATOKA 11200'-11400'	LUSK ATOKA GAS
3. BONE SPRING 8200'-8950'	WATKINS BONE SPRING LUSK BONE SPRING S. LUSK BONE SPRING E. LUSK BONE SPRING	7. MORROW 11500'-12000'	LUSK MORROW GAS N.W. LUSK MORROW GAS N. LUSK MORROW GAS
4. WOLF CAMP 10100'-10700'	LUSK WOLFCAMP OIL E. LUSK WOLFCAMP OIL S. LUSK WOLFCAMP OIL		

PROPOSED INJECTION WELL DATA SHEET

OPERATOR:

Parker & Parsley
Development L.P.

LEASE:

LUSK DEEP UNIT "A"

WELL NO

20

660' FEL & 2310' FSL

SEC-20

T-19-S

R-32-E

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

SCHEMATIC

WELL CONSTRUCTION DATA

1. SUFACE CASING

SIZE:

13-3/8

INCHES

CEMENTED WITH:

900

SX

TOC:

Surface

FEET DETERMINED BY:

Circulated

HOLE SIZE:

17-1/2

INCHES

2. INTERMEDIATE CASING

SIZE:

8-5/8

INCHES

CEMENTED WITH:

2350

SX

TOC:

Surface

FEET DETERMINED BY:

Circulated

HOLE SIZE:

12-1/4

INCHES

3. LONG STRING

SIZE:

5-1/2

INCHES

CEMENTED WITH:

800

SX

TOC:

3030

FEET DETERMINED BY:

Temp. Survey

HOLE SIZE:

7-7/8

INCHES

4. INJECTION INTERVAL

6469

FEET TO:

6487

FEET

(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

"PERFORATED"

5. TOTAL DEPTH:

7230

FEET

6. TUBING SIZE

SIZE:

2-7/8

INCHES

LINED WITH:

IPC 505 - PLASTIC COATING

SET IN A:

ARROW SET 1-XS, PKR

PACKER AT:

6400

FEET:

OTHER DATA

A.

IS THIS A NEW WELL DRILLED FOR INJECTION?

YES

X

NO

IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED?

PRODUCING OIL AND GAS WELL

B.

NAME THE INJECTION FORMATION:

6400' SAND (BRUSHY CANYON)

C.

NAME THE FIELD OR POOL (IF APPLICABLE)

LUSK WEST (DELAWARE)

D.

HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED.

PERFS 7050'-7154, SET CIBP, WITH 4 SK. CMT. ON TOP AT 6800'

E.

GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA:

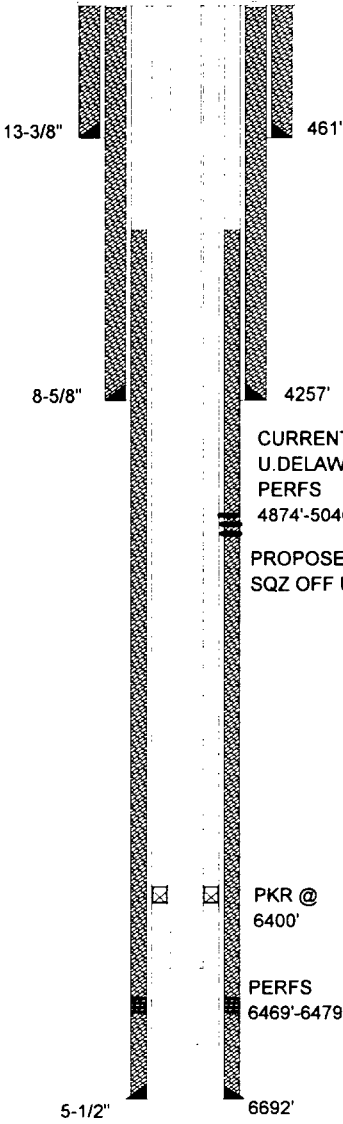
1. YATES 2600'-2800'	WATKINS YATES N.E. LUSK YATES S. LUSK YATES	5. STRAWN 11000'-11200'	LUSK STRAWN OIL
2. DELAWARE 4600'-7100'	W. LUSK DELAWARE LUSK DELAWARE	6. ATOKA 11200'-11400'	LUSK ATOKA GAS
3. BONE SPRING 8200'-8950'	WATKINS BONE SPRING LUSK BONE SPRING S. LUSK BONE SPRING E. LUSK BONE SPRING	7. MORROW 11500'-12000'	LUSK MORROW GAS N.W. LUSK MORROW GAS N. LUSK MORROW GAS
4. WOLF CAMP 10100'-10700'	LUSK WOLFCAMP OIL E. LUSK WOLFCAMP OIL S. LUSK WOLFCAMP OIL		

PROPOSED INJECTION WELL DATA SHEET

OPERATOR: SHACKELFORD OIL CO. LEASE: MOBIL FEDERAL

WELL NO 1 1650' FNL & 330' FWL SEC-21 T-19-S R-32-E
FOOTAGE LOCATION SECTION TOWNSHIP RANGE

SCHEMATIC



WELL CONSTRUCTION DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 475 SX
TOC: Surface FEET DETERMINED BY: Circulated
HOLE SIZE: 17-1/2 INCHES

2. INTERMIDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 860 SX
TOC: Surface FEET DETERMINED BY: Circulated
HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 875 SX
TOC: 4248 FEET DETERMINED BY: Temp. Survey
HOLE SIZE: 7-7/8 INCHES

4. INJECTION INTERVAL 6469 FEET TO: 6479 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

5. TOTAL DEPTH: 6700 FEET

6. TUBING SIZE

SIZE: 2-7/8 INCHES LINED WITH: IPC 505 - PLASTIC COATING
SET IN A: ARROW SET 1-XS, PKR PACKER AT: 6400 FEET:

OTHER DATA

A. IS THIS A NEW WELL DRILLED FOR INJECTION? YES NO
IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED? PRODUCING OIL AND GAS WELL

B. NAME THE INJECTION FORMATION: 6400' SAND (BRUSHY CANYON)

C. NAME THE FIELD OR POOL (IF APPLICABLE) LUSK WEST (DELAWARE)

D. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USE YES 4/92 PERFS 4904', 4984'-5006', 5012'-5040' CIBP @ 5183'
5/92 PERFS 4874'-4892' CIBP @ 4940', CURRENTLY PRODUCING FROM U. DELAWARE PERFS 4874'-4892'

E. GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA:

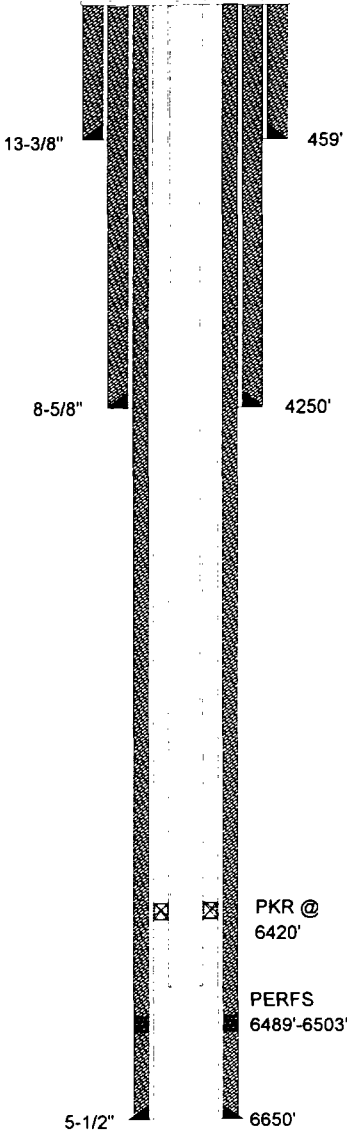
1. YATES 2600'-2800'	WATKINS YATES N.E. LUSK YATES S. LUSK YATES	5. STRAWN 11000'-11200'	LUSK STRAWN OIL
2. DELAWARE 4600'-7100'	W. LUSK DELAWARE LUSK DELAWARE	6. ATOKA 11200'-11400'	LUSK ATOKA GAS
3. BONE SPRING 8200'-8950'	WATKINS BONE SPRING LUSK BONE SPRING S. LUSK BONE SPRING E. LUSK BONE SPRING	7. MORROW 11500'-12000'	LUSK MORROW GAS N.W. LUSK MORROW GAS N. LUSK MORROW GAS
4. WOLF CAMP 10100'-10700'	LUSK WOLFCAMP OIL E. LUSK WOLFCAMP OIL S. LUSK WOLFCAMP OIL		

PROPOSED INJECTION WELL DATA SHEET

OPERATOR: SHACKELFORD OIL CO. LEASE: AMOCO FEDERAL

WELL NO 2 990' FNL & 1650' FWL SEC-21 T-19-S R-32-E
FOOTAGE LOCATION SECTION TOWNSHIP RANGE

SCHEMATIC



WELL CONSTRUCTION DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 475 SX
TOC: Surface FEET DETERMINED BY: Circulated
HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 100 SX
TOC: Surface FEET DETERMINED BY: Circulated
HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 2250 SX
TOC: Surface FEET DETERMINED BY: Circulated
HOLE SIZE: 7-7/8 INCHES

4. INJECTION INTERVAL 6489 FEET TO: 6503 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

5. TOTAL DEPTH: 6700 FEET

6. TUBING SIZE

SIZE: 2-7/8 INCHES LINED WITH: IPC 505 - PLASTIC COATING
SET IN A: ARROW SET 1-XS, PKR PACKER AT: 6420 FEET:

OTHER DATA

A. IS THIS A NEW WELL DRILLED FOR INJECTION? YES NO
IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED? PRODUCING OIL AND GAS WELL

B. NAME THE INJECTION FORMATION: 6400' SAND (BRUSHY CANYON)

C. NAME THE FIELD OR POOL (IF APPLICABLE) LUSK WEST (DELAWARE)

D. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USE YES 3/92 PERFS 4856'-4867' W/CIBP @ 4995' CURRENTLY PRODUCING FROM

U. DELAWARE PERFS 4856'-4867' PLAN TO SQZ OFF U. DELAWARE CONVERT TO WIW IN 6469'-6503' PERFS

E. GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA:

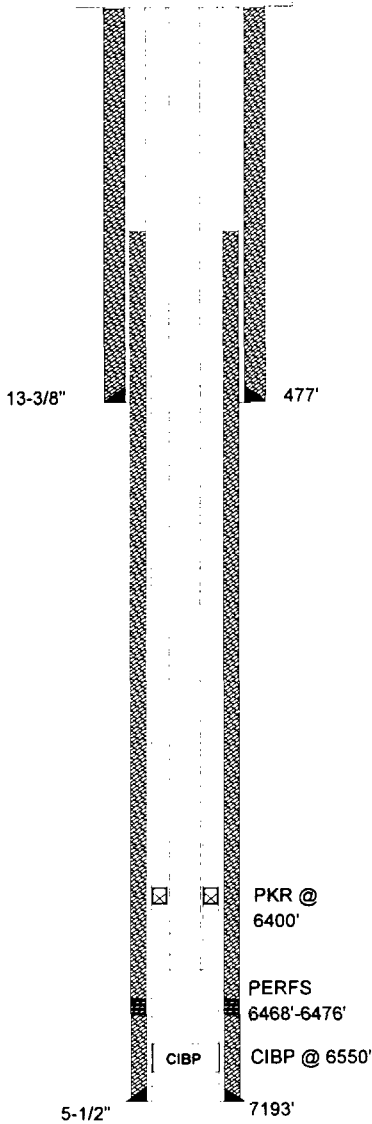
1. YATES 2600'-2800'	WATKINS YATES N.E. LUSK YATES S. LUSK YATES	5. STRAWN 11000'-11200'	LUSK STRAWN OIL
2. DELAWARE 4600'-7100'	W. LUSK DELAWARE LUSK DELAWARE	6. ATOKA 11200'-11400'	LUSK ATOKA GAS
3. BONE SPRING 8200'-8950'	WATKINS BONE SPRING LUSK BONE SPRING S. LUSK BONE SPRING E. LUSK BONE SPRING	7. MORROW 11500'-12000'	LUSK MORROW GAS N.W. LUSK MORROW GAS N. LUSK MORROW GAS
4. WOLF CAMP 10100'-10700'	LUSK WOLFCAMP OIL E. LUSK WOLFCAMP OIL S. LUSK WOLFCAMP OIL		

PROPOSED INJECTION WELL DATA SHEET

OPERATOR: SHACKELFORD OIL CO. LEASE: MOBIL FEDERAL

WELL NO 4 1650' FWL & 2310' FSL SEC-21 T-19-S R-32-E
FOOTAGE LOCATION SECTION TOWNSHIP RANGE

SCHEMATIC



WELL CONSTRUCTION DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 475 sx
TOC: Surface FEET DETERMINED BY: Circulated
HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: N/A INCHES CEMENTED WITH: N/A sx
TOC: N/A FEET DETERMINED BY: N/A
HOLE SIZE: N/A INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 2620 sx
TOC: Surface FEET DETERMINED BY: Circulated
NOTE: 1" PLUG TO 1336' CMT'D W/720 SXS TO CIRCULATE.
HOLE SIZE: 7-7/8 INCHES

4. INJECTION INTERVAL 6468 FEET TO: 6476 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

5. TOTAL DEPTH: 7230 FEET

6. TUBING SIZE

SIZE: 2-7/8 INCHES LINED WITH: IPC 505 - PLASTIC COATING
SET IN A: ARROW SET 1-XS, PKR PACKER AT: 6400 FEET:

OTHER DATA

A. IS THIS A NEW WELL DRILLED FOR INJECTION? YES NO
IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED? PRODUCING OIL AND GAS WELL

B. NAME THE INJECTION FORMATION: 6400' SAND (BRUSHY CANYON)

C. NAME THE FIELD OR POOL (IF APPLICABLE) LUSK WEST (DELAWARE)

D. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NO

E. GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA:

1. YATES 2600'-2800'	WATKINS YATES N.E. LUSK YATES S. LUSK YATES	5. STRAWN 11000'-11200'	LUSK STRAWN OIL
2. DELAWARE 4600'-7100'	W. LUSK DELAWARE LUSK DELAWARE	6. ATOKA 11200'-11400'	LUSK ATOKA GAS
3. BONE SPRING 8200'-8950'	WATKINS BONE SPRING LUSK BONE SPRING S. LUSK BONE SPRING E. LUSK BONE SPRING	7. MORROW 11500'-12000'	LUSK MORROW GAS N.W. LUSK MORROW GAS N. LUSK MORROW GAS
4. WOLF CAMP 10100'-10700'	LUSK WOLFCAMP OIL E. LUSK WOLFCAMP OIL S. LUSK WOLFCAMP OIL		

PROPOSED INJECTION WELL DATA SHEET

OPERATOR: Parker & Parsley Development L.P.

LEASE: SOUTHERN CALIFORNIA FEDERAL

WELL 4

1650' FSL & 990' FEL

SEC-29

T-19-S

R-32-E

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

SCHEMATIC

WELL CONSTRUCTION DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES

CEMENTED WITH: 775 SX

TOC: Surface

FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES

CEMENTED WITH: 2660 SX

TOC: Surface

FEET DETERMINED BY: Circulated

HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 4-1/2 INCHES

CEMENTED WITH: 600 SX

TOC: 3400

FEET DETERMINED BY: SQZ HOLE @ 3400' W/35 SXS CMT

HOLE SIZE: 7-7/8 INCHES

4. INJECTION INTERVAL 6430 FEET TO: 6450 FEET

(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

"PERFORATED"

5. TOTAL DEPTH: 11449 FEET

6. TUBING SIZE

SIZE: 2-7/8 INCHES

LINED WITH: IPC 505 - PLASTIC COATING

SET IN A: ARROW SET 1-XS, PKR

PACKER AT: 6360 FEET:

OTHER DATA

A. IS THIS A NEW WELL DRILLED FOR INJECTION? YES NO

IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED? PRODUCING OIL AND GAS WELL

B. NAME THE INJECTION FORMATION: 6400' SAND (BRUSHY CANYON)

C. NAME THE FIELD OR POOL (IF APPLICABLE) LUSK WEST (DELAWARE)

D. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NO CURRENT OIL AND GAS PODUCTION FROM STRAWN PERFS
11324'-11368'. PLAN TO SET CIBP @ 6600' W/5SXS CMT ON TOP & PERF DELAWARE @ 6430'-50' CONVERT TO WIW WELL.

E. GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA:

1. YATES 2600'-2800' WATKINS YATES
N.E. LUSK YATES
S. LUSK YATES

2. DELAWARE 4600'-7100' W. LUSK DELAWARE
LUSK DELAWARE

3. BONE SPRING 8200'-8950' WATKINS BONE SPRING
LUSK BONE SPRING
S. LUSK BONE SPRING
E. LUSK BONE SPRING

4. WOLF CAMP 10100'-1070 LUSK WOLFCAMP OIL
E. LUSK WOLFCAMP OIL
S. LUSK WOLFCAMP OIL

5. STRAWN 11000'-112 LUSK STRAWN OIL

6. ATOKA 11200'-1140 LUSK ATOKA GAS

7. MORROW 11500'-12 LUSK MORROW GAS
N.W. LUSK MORROW GAS
N. LUSK MORROW GAS

FORM C-108
SECTION III
APPLICATION FOR AUTHORIZATION
TO INJECT
Parker & Parsley
Development L.P.
WATER INJECTION WELL

PROPOSED INJECTION WELL DATA SHEET

OPERATOR: Parker & Parsley Development L.P.

LEASE: S. A. BOWMAN FEDERAL

WELL NO5

2310' FSL & 2160' FWL

SEC-29

T-19-S

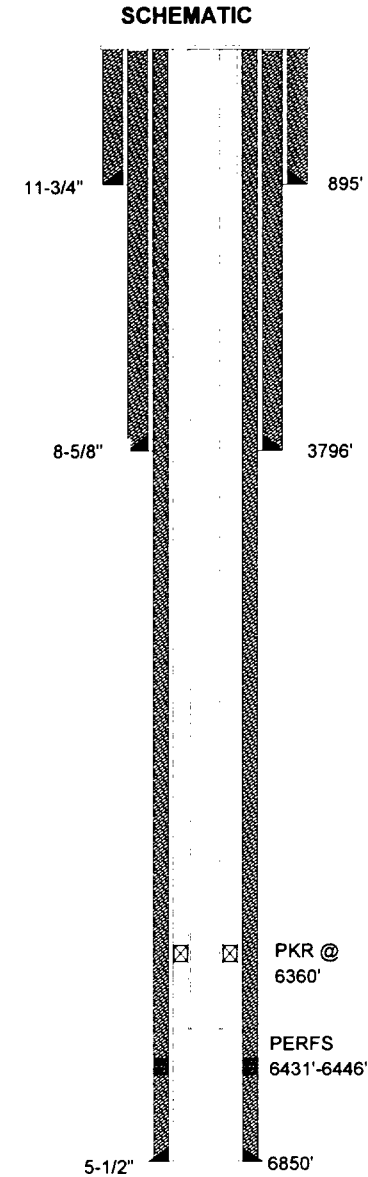
R-32-E

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE



WELL CONSTRUCTION DATA

1. SUFACE CASING

SIZE: 11-3/4 INCHES

CEMENTED WITH: 1000 sx

TOC: Surface

FEET DETERMINED BY: Circulated

HOLE SIZE: 14-3/4 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES

CEMENTED WITH: 1400 sx

TOC: Surface

FEET DETERMINED BY: Circulated

HOLE SIZE: 11 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES

CEMENTED WITH: 1610 sx

TOC: Surface

FEET DETERMINED BY: Circulated

HOLE SIZE: 7-7/8 INCHES

4. INJECTION INTERVAL 6431 FEET TO: 6446 FEET

(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

"PERFORATED"

5. TOTAL DEPTH: 6850 FEET

6. TUBING SIZE

SIZE: 2-7/8 INCHES

LINED WITH: IPC 505 - PLASTIC COATING

SET IN A: ARROW SET 1-XS, PKR

PACKER AT: 6360 FEET:

OTHER DATA

A. IS THIS A NEW WELL DRILLED FOR INJECTION? YES NO

IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED? PRODUCING OIL AND GAS WELL

B. NAME THE INJECTION FORMATION: 6400' SAND (BRUSHY CANYON)

C. NAME THE FIELD OR POOL (IF APPLICABLE) LUSK WEST (DELAWARE)

D. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NONE

E. GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA:

1. YATES 2600'-2800'	WATKINS YATES	5. STRAWN 11000'-11200'	LUSK STRAWN OIL
	N.E. LUSK YATES		
	S. LUSK YATES	6. ATOKA 11200'-11400'	LUSK ATOKA GAS
2. DELAWARE 4600'-7100'	W. LUSK DELAWARE	7. MORROW 11500'-12000'	LUSK MORROW GAS
	LUSK DELAWARE		N.W. LUSK MORROW GAS
			N. LUSK MORROW GAS
3. BONE SPRING 8200'-8950'	WATKINS BONE SPRING		
	LUSK BONE SPRING		
	S. LUSK BONE SPRING		
	E. LUSK BONE SPRING		
4. WOLF CAMP 10100'-10700'	LUSK WOLFCAMP OIL		
	E. LUSK WOLFCAMP OIL		
	S. LUSK WOLFCAMP OIL		

PROPOSED INJECTION WELL DATA SHEET

OPERATOR: Parker & Parsley Development L.P.

LEASE: SOUTHERN CAILFORNIA FEDERAL

WELL NO6

990' FSL & 660' FWL

SEC-29

T-19-S

R-32-E

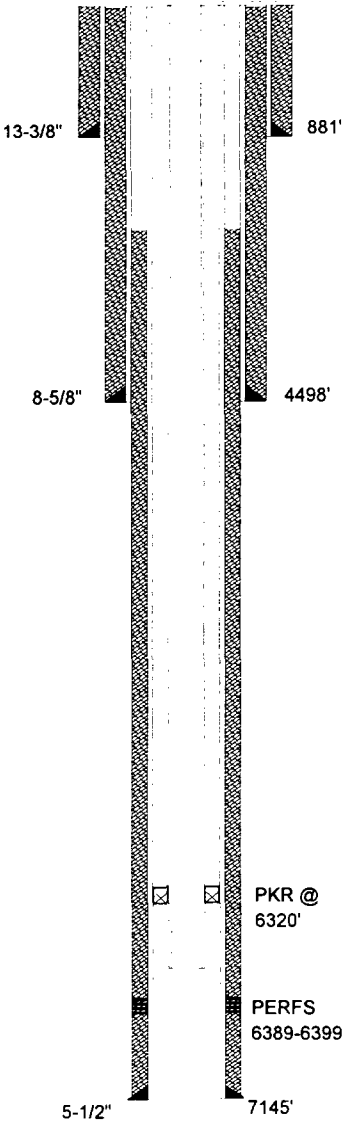
FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

SCHEMATIC



WELL CONSTRUCTION DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES

CEMENTED WITH: 735 sx

TOC: Surface

FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES

CEMENTED WITH: 2600 sx

TOC: Surface

FEET DETERMINED BY: Circulated

HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES

CEMENTED WITH: 940 sx

TOC: 4200

FEET DETERMINED BY: CALCULATED

HOLE SIZE: 7-7/8 INCHES

4. INJECTION INTERVAL 6389 FEET TO: 6399 FEET

(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

"PERFORATED"

5. TOTAL DEPTH: 7200 FEET

6. TUBING SIZE

SIZE: 2-7/8 INCHES

LINED WITH: IPC 505 - PLASTIC COATING

SET IN A: ARROW SET 1-XS, PKR

PACKER AT: 6320 FEET:

OTHER DATA

A. IS THIS A NEW WELL DRILLED FOR INJECTION? YES NO

IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED? PRODUCING OIL AND GAS WELL

B. NAME THE INJECTION FORMATION: 6400' SAND (BRUSHY CANYON)

C. NAME THE FIELD OR POOL (IF APPLICABLE) LUSK WEST (DELAWARE)

D. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NO

E. GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA:

1. YATES 2600'-2800'	WATKINS YATES	5. STRAWN 11000'-11200'	LUSK STRAWN OIL
	N.E. LUSK YATES	6. ATOKA 11200'-11400'	LUSK ATOKA GAS
	S. LUSK YATES		
2. DELAWARE 4600'-7100'	W. LUSK DELAWARE	7. MORROW 11500'-12000'	LUSK MORROW GAS
	LUSK DELAWARE		N.W. LUSK MORROW GAS
			N. LUSK MORROW GAS
3. BONE SPRING 8200'-8950'	WATKINS BONE SPRING		
	LUSK BONE SPRING		
	S. LUSK BONE SPRING		
	E. LUSK BONE SPRING		
4. WOLF CAMP 10100'-10700'	LUSK WOLFCAMP OIL		
	E. LUSK WOLFCAMP OIL		
	S. LUSK WOLFCAMP OIL		

PROPOSED INJECTION WELL DATA SHEET

OPERATOR: Parker & Parsley Development L.P.

LEASE: SOUTHERN CALIFORNIA FEDERAL

WELL NO10

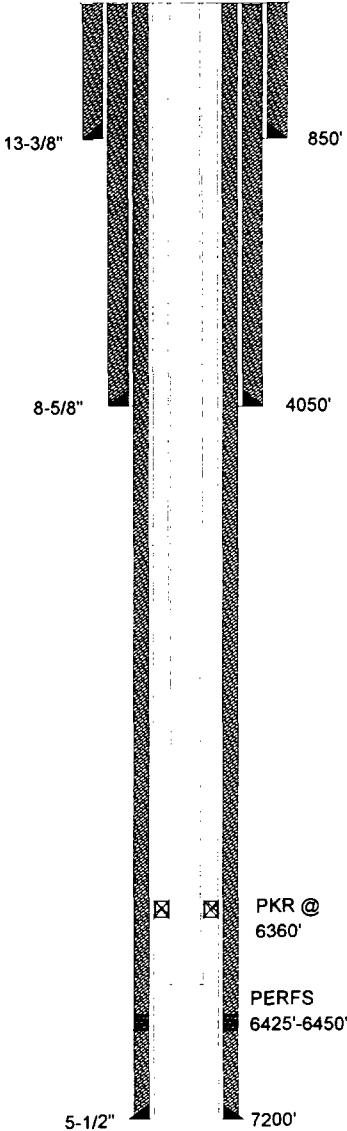
FOOTAGE LOCATION1980' FNL & 1980' FEL

SECTIONSEC-29

TOWNSHIP T-19-S

RANGER-32-E

SCHEMATIC



WELL CONSTRUCTION DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES

CEMENTED WITH: 675 sx

TOC: Surface

FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES

CEMENTED WITH: 775 sx

TOC: Surface

FEET DETERMINED BY: Circulated

HOLE SIZE: 11 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES

CEMENTED WITH: 1265 sx

TOC: Surface

FEET DETERMINED BY: Circulated

HOLE SIZE: 7-7/8 INCHES

4. INJECTION INTERVAL 6425 FEET TO: 6450 FEET

(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

"PERFORATED"

5. TOTAL DEPTH: 7200 FEET

6. TUBING SIZE

SIZE: 2-7/8 INCHES

LINED WITH: IPC 505 - PLASTIC COATING

SET IN A: ARROW SET 1-XS, PKR

PACKER AT: 6360 FEET:

OTHER DATA

A. IS THIS A NEW WELL DRILLED FOR INJECTION? X YES NO

IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED? N/A

B. NAME THE INJECTION FORMATION: 6400' SAND (BRUSHY CANYON)

C. NAME THE FIELD OR POOL (IF APPLICABLE) LUSK WEST (DELAWARE)

D. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NO

E. GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA:

1. YATES 2600'-2800'	WATKINS YATES	5. STRAWN 11000'-11200'	LUSK STRAWN OIL
	N.E. LUSK YATES	6. ATOKA 11200'-11400'	LUSK ATOKA GAS
	S. LUSK YATES	7. MORROW 11500'-12000'	LUSK MORROW GAS
2. DELAWARE 4600'-7100'	W. LUSK DELAWARE		N.W. LUSK MORROW GAS
	LUSK DELAWARE		N. LUSK MORROW GAS
3. BONE SPRING 8200'-8950'	WATKINS BONE SPRING		
	LUSK BONE SPRING		
	S. LUSK BONE SPRING		
	E. LUSK BONE SPRING		
4. WOLF CAMP 10100'-10700'	LUSK WOLFCAMP OIL		
	E. LUSK WOLFCAMP OIL		
	S. LUSK WOLFCAMP OIL		

PROPOSED INJECTION WELL DATA SHEET

OPERATOR: Parker & Parsley Development L.P.

LEASE: SOUTHERN CAILFORNIA FEDERAL

WELL NO11

660' FNL & 660' FEL

SEC-29

T-19-S

R-32-E

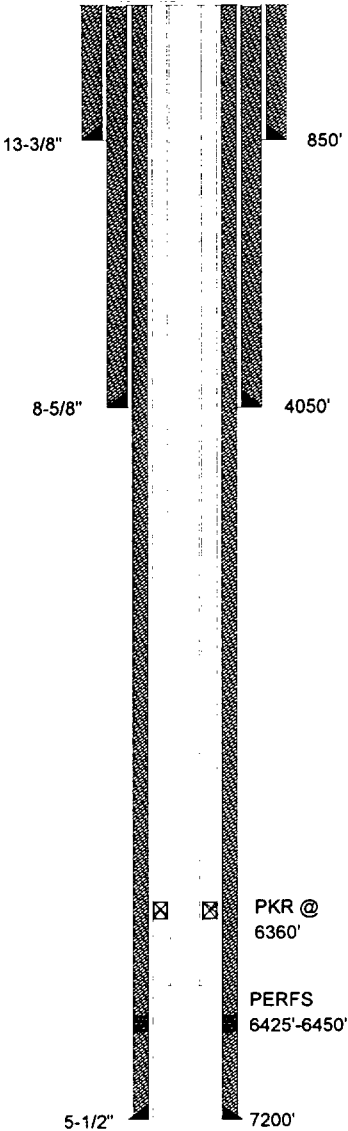
FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

SCHEMATIC



WELL CONSTRUCTION DATA

1. SUFACE CASING

SIZE:13-3/8INCHES

CEMENTED WITH:675SX

TOC:SurfaceFEET DETERMINED BY:Circulated

HOLE SIZE:17-1/2INCHES

2. INTERMEDIATE CASING

SIZE:8-5/8INCHES

CEMENTED WITH:775SX

TOC:SurfaceFEET DETERMINED BY:Circulated

HOLE SIZE:11INCHES

3. LONG STRING

SIZE:5-1/2INCHES

CEMENTED WITH:1265SX

TOC:SurfaceFEET DETERMINED BY:Circulated

HOLE SIZE:7-7/8INCHES

4. INJECTION INTERVAL6425FEET TO:6450FEET

(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

"PERFORATED"

5. TOTAL DEPTH:7200FEET

6. TUBING SIZE

SIZE:2-7/8INCHES

LINED WITH:IPC 505 - PLASTIC COATING

SET IN A:ARROW SET 1-XS, PKR

PACKER AT:6360FEET:

OTHER DATA

A. IS THIS A NEW WELL DRILLED FOR INJECTION?XYESNO

IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED?N/A

B. NAME THE INJECTION FORMATION:6400' SAND (BRUSHY CANYON)

C. NAME THE FIELD OR POOL (IF APPLICABLE)LUSK WEST (DELAWARE)

D. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED.NO

E. GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA:

1. YATES 2600'-2800'	WATKINS YATES N.E. LUSK YATES S. LUSK YATES	5. STRAWN 11000'-11200'	LUSK STRAWN OIL
2. DELAWARE 4600'-7100'	W. LUSK DELAWARE LUSK DELAWARE	6. ATOKA 11200'-11400'	LUSK ATOKA GAS
3. BONE SPRING 8200'-8950'	WATKINS BONE SPRING LUSK BONE SPRING S. LUSK BONE SPRING E. LUSK BONE SPRING	7. MORROW 11500'-12000'	LUSK MORROW GAS N.W. LUSK MORROW GAS N. LUSK MORROW GAS
4. WOLF CAMP 10100'-10700'	LUSK WOLFCAMP OIL E. LUSK WOLFCAMP OIL S. LUSK WOLFCAMP OIL		

PROPOSED INJECTION WELL DATA SHEET

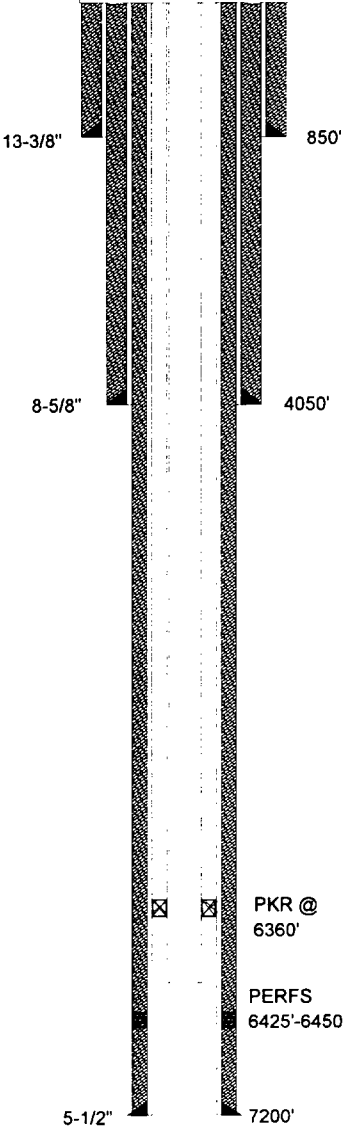
OPERATOR: Parker & Parsley Development L.P.

LEASE: SOUTHERN CAILFORNIA FEDERAL

WELL NO121980' FEL & 660' FSLSEC-29T-19-SR-32-E

FOOTAGE LOCATIONSECTIONTOWNSHIPRANGE

SCHEMATIC



WELL CONSTRUCTION DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHESCEMENTED WITH: 675 sx

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHESCEMENTED WITH: 775 sx

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 11 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHESCEMENTED WITH: 1265 sx

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 7-7/8 INCHES

4. INJECTION INTERVAL 6425 FEET TO: 6450 FEET

(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

"PERFORATED"

5. TOTAL DEPTH: 7200 FEET

6. TUBING SIZE

SIZE: 2-7/8 INCHES LINED WITH: IPC 505 - PLASTIC COATING

SET IN A: ARROW SET 1-XS, PKR PACKER AT: 6360 FEET:

OTHER DATA

A. IS THIS A NEW WELL DRILLED FOR INJECTION? X YES NO

IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED? N/A

B. NAME THE INJECTION FORMATION: 6400' SAND (BRUSHY CANYON)

C. NAME THE FIELD OR POOL (IF APPLICABLE) LUSK WEST (DELAWARE)

D. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NO

E. GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA:

1. YATES 2600'-2800'	WATKINS YATES N.E. LUSK YATES S. LUSK YATES	5. STRAWN 11000'-11200'	LUSK STRAWN OIL
2. DELAWARE 4600'-7100'	W. LUSK DELAWARE LUSK DELAWARE	6. ATOKA 11200'-11400'	LUSK ATOKA GAS
3. BONE SPRING 8200'-8950'	WATKINS BONE SPRING LUSK BONE SPRING S. LUSK BONE SPRING E. LUSK BONE SPRING	7. MORROW 11500'-12000'	LUSK MORROW GAS N.W. LUSK MORROW GAS N. LUSK MORROW GAS
4. WOLF CAMP 10100'-10700'	LUSK WOLFCAMP OIL E. LUSK WOLFCAMP OIL S. LUSK WOLFCAMP OIL		

MAP OF AREA

SECTION V

LEA COUNTY, NEW MEXICO

LAND PLAT OF TRACTS & LEASES COVERING UNIT AREA

18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34

1 LUSK DEEP UNIT "A"

2 LUSK DEEP UNIT "A"

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4 LUSK DEEP UNIT "A"

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11 LUSK DEEP UNIT "A"

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1 FEDERAL

2 FEDERAL

3 FEDERAL

4 FEDERAL

5 FEDERAL

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28 CR STATE

● DRILLED PRODUCER

[illegible]

The image displays a 4x4 grid of 16 tactical maps, numbered 17 through 34. Each map contains various symbols (dots, crosses, triangles, circles) and numbers representing military units and positions. Map 20 is highlighted with a thick black border and contains a circular inset showing a detailed view of a specific area with labels like 'LUSK DEEP UNIT A', 'MOBIL FEDERAL', 'PLAINS FEDERAL', 'LYNCH', and 'ATLANTIC FEDERAL'. The maps are arranged in a grid with columns 1-4 and rows 1-4.

PROPOSED INJECTION WELL DATA SHEET

OPERATOR:

Parker & Parsley
Development L.P.

LEASE:

LUSK DEEP UNIT "A"

WELL NO

12

1660' FNL & 2300' FEL

SEC-20

T-19-S

R-32-E

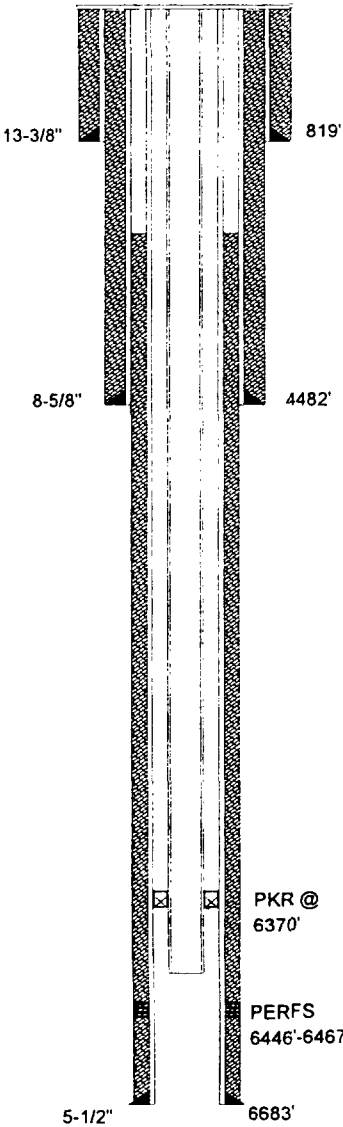
FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

SCHEMATIC



WELL CONSTRUCTION DATA

1. SUFACE CASING

SIZE:

13-3/8

INCHES

CEMENTED WITH:

500

SX

TOC:

Surface

FEET DETERMINED BY:

Circulated

HOLE SIZE:

17-1/2

INCHES

2. INTERMIDIATE CASING

SIZE:

8-5/8

INCHES

CEMENTED WITH:

1650

SX

TOC:

1350

FEET DETERMINED BY:

Temp. Survey

HOLE SIZE:

11

INCHES

3. LONG STRING

SIZE:

5-1/2

INCHES

CEMENTED WITH:

800

SX

TOC:

2710

FEET DETERMINED BY:

Temp. Survey

HOLE SIZE:

7-7/8

INCHES

4. INJECTION INTERVAL

6446

FEET TO:

6467

FEET

(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

"PERFORATED"

5. TOTAL DEPTH:

6700

FEET

6. TUBING SIZE

SIZE:

2-7/8

INCHES

LINED WITH:

IPC 505 - PLASTIC COATING

SET IN A:

ARROW SET 1-XS, PKR

PACKER AT:

6370

FEET:

OTHER DATA

A.

IS THIS A NEW WELL DRILLED FOR INJECTION?

YES

X

NO

IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED?

PRODUCING OIL AND GAS WELL

COMMENT: SPUD WELL 11/2/74. P&A WELLBORE 8/27/86. RE-ENTRY 4/12/89

B.

NAME THE INJECTION FORMATION:

6400' SAND (BRUSHY CANYON)

C.

NAME THE FIELD OR POOL (IF APPLICABLE)

LUSK WEST (DELAWARE)

D.

HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED.

PERFS 8839'-8914' CIBP AT 8800' W/5, SX, CMT/TOP, PERFS 10680'-10708', CIBP AT 10640' W/5, SX, CMT/TOP, PERFS 11460'-11581', CIBP AT 11430' W/5, SX, CMT/TOP, CIBP AT 12212' W/20, SX, CMT/TOP

E.

GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA:

1. YATES 2600'-2800'	WATKINS YATES N.E. LUSK YATES S. LUSK YATES	5. STRAWN 11000'-11200'	LUSK STRAWN OIL
2. DELAWARE 4600'-7100'	W. LUSK DELAWARE LUSK DELAWARE	6. ATOKA 11200'-11400'	LUSK ATOKA GAS
3. BONE SPRING 8200'-8950'	WATKINS BONE SPRING LUSK BONE SPRING S. LUSK BONE SPRING E. LUSK BONE SPRING	7. MORROW 11500'-12000'	LUSK MORROW GAS N.W. LUSK MORROW GAS N. LUSK MORROW GAS
4. WOLF CAMP 10100'-10700'	LUSK WOLFCAMP OIL E. LUSK WOLFCAMP OIL S. LUSK WOLFCAMP OIL		

PROPOSED INJECTION WELL DATA SHEET

OPERATOR:

Parker & Parsley
Development L.P.

LEASE:

LUSK DEEP UNIT "A"

WELL NO

17

330' FNL & 330' FEL

SEC-20

T-19-S

R-32-E

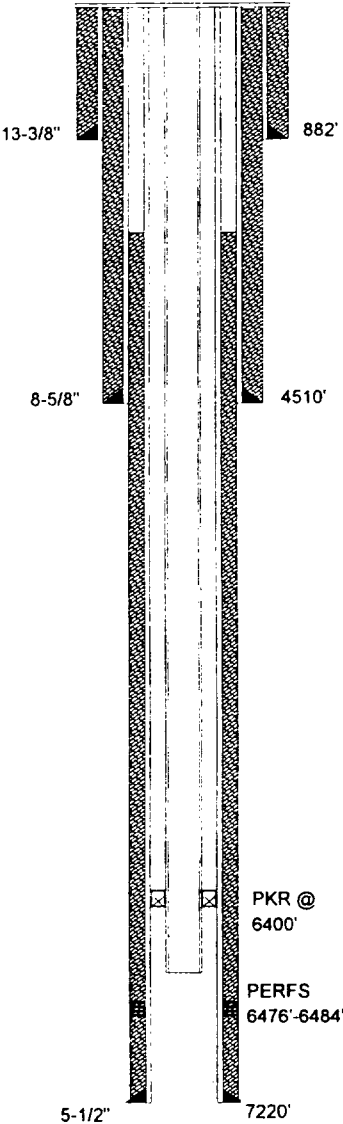
FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

SCHEMATIC



WELL CONSTRUCTION DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 1000 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 1450 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 800 SX

TOC: 2790 FEET DETERMINED BY: CALCULATED

HOLE SIZE: 7-7/8 INCHES

4. INJECTION INTERVAL

6476 FEET TO: 6484 FEET

(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

"PERFORATED"

5. TOTAL DEPTH:

7224 FEET

6. TUBING SIZE

SIZE: 2-7/8 INCHES LINED WITH: IPC 505 - PLASTIC COATING

SET IN A: ARROW SET 1-XS, PKR PACKER AT: 6400 FEET:

OTHER DATA

A.

IS THIS A NEW WELL DRILLED FOR INJECTION?

YES

X

NO

IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED?

PRODUCING OIL AND GAS WELL

B.

NAME THE INJECTION FORMATION:

6400' SAND (BRUSHY CANYON)

C.

NAME THE FIELD OR POOL (IF APPLICABLE)

LUSK WEST (DELAWARE)

D.

HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED.

NO

E.

GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA:

1. YATES 2600'-2800'	WATKINS YATES N.E. LUSK YATES S. LUSK YATES	5. STRAWN 11000'-11200'	LUSK STRAWN OIL
2. DELAWARE 4600'-7100'	W. LUSK DELAWARE LUSK DELAWARE	6. ATOKA 11200'-11400'	LUSK ATOKA GAS
3. BONE SPRING 8200'-8950'	WATKINS BONE SPRING LUSK BONE SPRING S. LUSK BONE SPRING E. LUSK BONE SPRING	7. MORROW 11500'-12000'	LUSK MORROW GAS N.W. LUSK MORROW GAS N. LUSK MORROW GAS
4. WOLF CAMP 10100'-10700'	LUSK WOLFCAMP OIL E. LUSK WOLFCAMP OIL S. LUSK WOLFCAMP OIL		

PROPOSED INJECTION WELL DATA SHEET

OPERATOR: Parker & Parsley Development L.P.

LEASE: LUSK DEEP UNIT "A"

WELL NO20

660' FEL & 2310' FSL

SEC-20

T-19-S

R-32-E

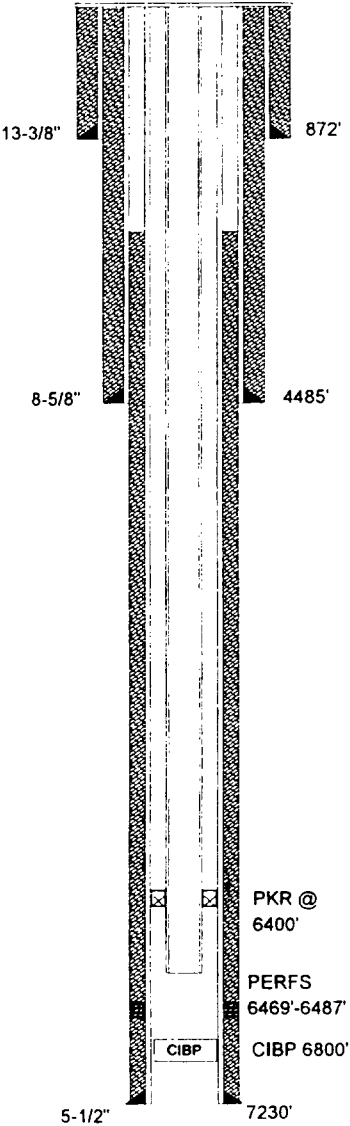
FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

SCHEMATIC



WELL CONSTRUCTION DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES

CEMENTED WITH: 900 SX

TOC: Surface

FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES

CEMENTED WITH: 2350 SX

TOC: Surface

FEET DETERMINED BY: Circulated

HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES

CEMENTED WITH: 800 SX

TOC: 3030

FEET DETERMINED BY: Temp. Survey

HOLE SIZE: 7-7/8 INCHES

4. INJECTION INTERVAL 6469 FEET TO: 6487 FEET

(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

"PERFORATED"

5. TOTAL DEPTH: 7230 FEET

6. TUBING SIZE

SIZE: 2-7/8 INCHES

LINED WITH: IPC 505 - PLASTIC COATING

SET IN A: ARROW SET 1-XS, PKR

PACKER AT: 6400 FEET:

OTHER DATA

A. IS THIS A NEW WELL DRILLED FOR INJECTION? YES NO

IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED? PRODUCING OIL AND GAS WELL

B. NAME THE INJECTION FORMATION: 6400' SAND (BRUSHY CANYON)

C. NAME THE FIELD OR POOL (IF APPLICABLE) LUSK WEST (DELAWARE)

D. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. PERFS 7050'-7154, SET CIBP, WITH 4 SK. CMT. ON TOP AT 6800'

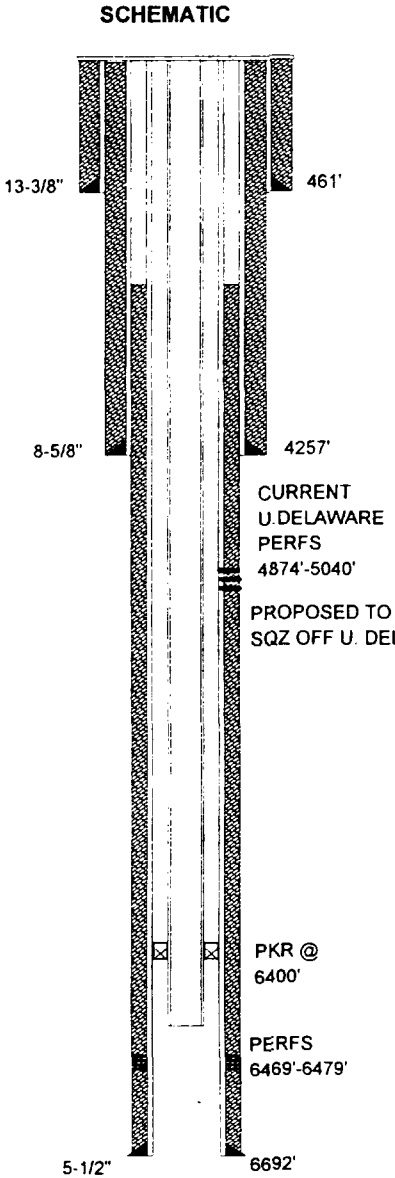
E. GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA:

1. YATES 2600'-2800'	WATKINS YATES	5. STRAWN 11000'-11200'	LUSK STRAWN OIL
	N.E. LUSK YATES		
	S. LUSK YATES	6. ATOKA 11200'-11400'	LUSK ATOKA GAS
2. DELAWARE 4600'-7100'	W. LUSK DELAWARE	7. MORROW 11500'-12000'	LUSK MORROW GAS
	LUSK DELAWARE		N.W. LUSK MORROW GAS
			N. LUSK MORROW GAS
3. BONE SPRING 8200'-8950'	WATKINS BONE SPRING		
	LUSK BONE SPRING		
	S. LUSK BONE SPRING		
	E. LUSK BONE SPRING		
4. WOLF CAMP 10100'-10700'	LUSK WOLFCAMP OIL		
	E. LUSK WOLFCAMP OIL		
	S. LUSK WOLFCAMP OIL		

PROPOSED INJECTION WELL DATA SHEET

OPERATOR: SHACKELFORD OIL CO. LEASE: MOBIL FEDERAL

WELL NO 1 1650' FNL & 330' FWL SEC-21 T-19-S R-32-E
FOOTAGE LOCATION SECTION TOWNSHIP RANGE



WELL CONSTRUCTION DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 475 SX
TOC: Surface FEET DETERMINED BY: Circulated
HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 860 SX
TOC: Surface FEET DETERMINED BY: Circulated
HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 875 SX
TOC: 4248 FEET DETERMINED BY: Temp. Survey
HOLE SIZE: 7-7/8 INCHES

4. INJECTION INTERVAL 6469 FEET TO: 6479 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

5. TOTAL DEPTH: 6700 FEET

6. TUBING SIZE

SIZE: 2-7/8 INCHES LINED WITH: IPC 505 - PLASTIC COATING
SET IN A: ARROW SET 1-XS, PKR PACKER AT: 6400 FEET:

OTHER DATA

A. IS THIS A NEW WELL DRILLED FOR INJECTION? YES NO
IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED? PRODUCING OIL AND GAS WELL

B. NAME THE INJECTION FORMATION: 6400' SAND (BRUSHY CANYON)

C. NAME THE FIELD OR POOL (IF APPLICABLE) LUSK WEST (DELAWARE)

D. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USE YES 4/92 PERFS 4904', 4984'-5006', 5012'-5040' CIBP @ 5183'
5/92 PERFS 4874'-4892' CIBP @ 4940', CURRENTLY PRODUCING FROM U. DELAWARE PERFS 4874'-4892'

E. GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA:

1. YATES 2600'-2800'	WATKINS YATES N.E. LUSK YATES S. LUSK YATES	5. STRAWN 11000'-11200'	LUSK STRAWN OIL
2. DELAWARE 4600'-7100'	W. LUSK DELAWARE LUSK DELAWARE	6. ATOKA 11200'-11400'	LUSK ATOKA GAS
3. BONE SPRING 8200'-8950'	WATKINS BONE SPRING LUSK BONE SPRING S. LUSK BONE SPRING E. LUSK BONE SPRING	7. MORROW 11500'-12000'	LUSK MORROW GAS N.W. LUSK MORROW GAS N. LUSK MORROW GAS
4. WOLF CAMP 10100'-10700'	LUSK WOLFCAMP OIL E. LUSK WOLFCAMP OIL S. LUSK WOLFCAMP OIL		

WELL DATA SHEET

**Parker & Parsley
Development L.P.**

LUSK DEEP UNIT "A"

OPERATOR

LEASE

4

1980' FSL & 1980' FEL

SEC-20

T-19-S

R-32-E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

TYPE OF WELL:

PRODUCING OIL AND GAS WELL

SPUD DATE: 10/5/62

RE-ENTRY

3/13/88

TABULAR DATA

1. SURFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 1180 sx

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 9-5/8 INCHES CEMENTED WITH: 2365 sx

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

NOTE: 6/88 CUT AND PULLED 7185' OF 4-1/2 CSG

SIZE: 4-1/2 INCHES CEMENTED WITH: 300 sx

TOC: 10000 FEET DETERMINED BY: Circulated

HOLE SIZE: 7-7/8 INCHES

4. PRODUCTION STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 500 sx

TOC: 5595 FEET DETERMINED BY: Calculated

HOLE SIZE: 7-7/8 INCHES

5. TOTAL DEPTH: 11531 FEET

6. PERFORATIONS

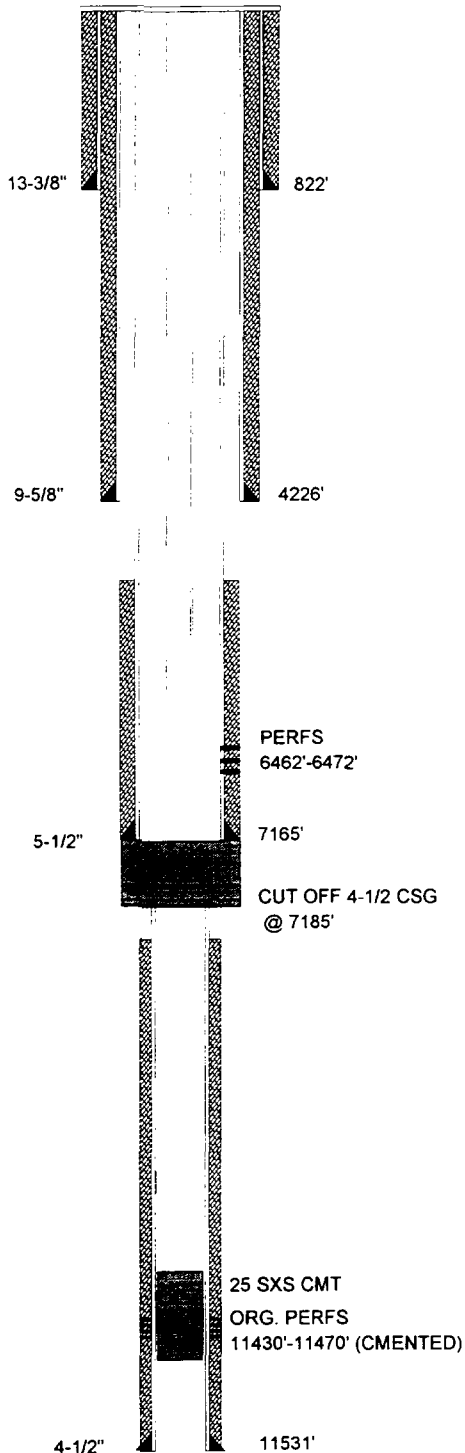
6462 FEET TO: 6472 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

FORM C-108
SECTION VI
APPLICATION FOR AUTHORIZATION
TO INJECT

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL
TABULATION OF WELL DATA

SCHEMATIC



WELL DATA SHEET

**Parker & Parsley
Development L.P.**

LUSK DEEP "A"

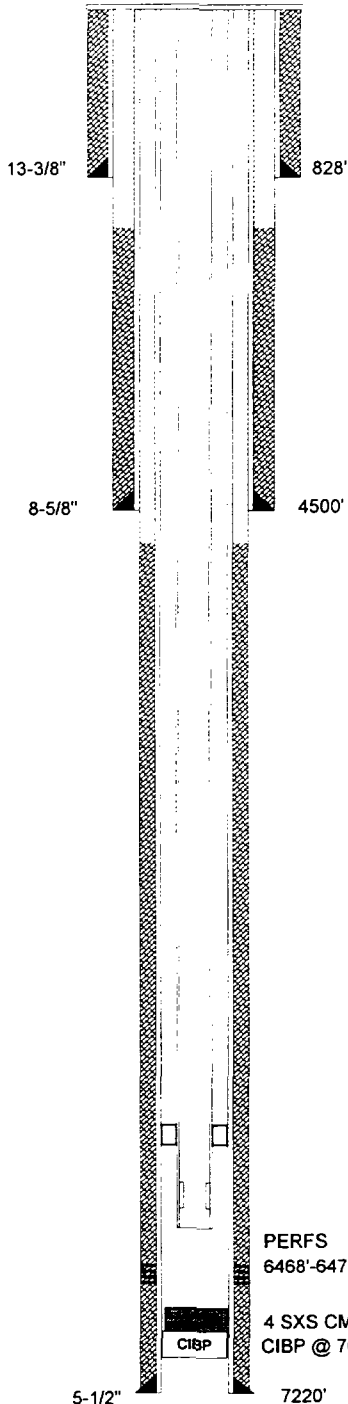
OPERATOR

LEASE

15	1651' FNL & 330' FEL	SEC-20	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PRODUCING OIL AND GAS WELL SPUD DATE: 11/22/88

SCHEMATIC



TABULAR DATA

1. SURFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 1000 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 700 SX

TOC: 2370 FEET DETERMINED BY: Temp. Survey

HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 600 SX

TOC: 4690 FEET DETERMINED BY: Temp. Survey

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 7220 FEET

5. PERFORATIONS

6468 FEET TO: 6478 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

**Parker & Parsley
Development L.P.**

LUSK DEEP UNIT "A"

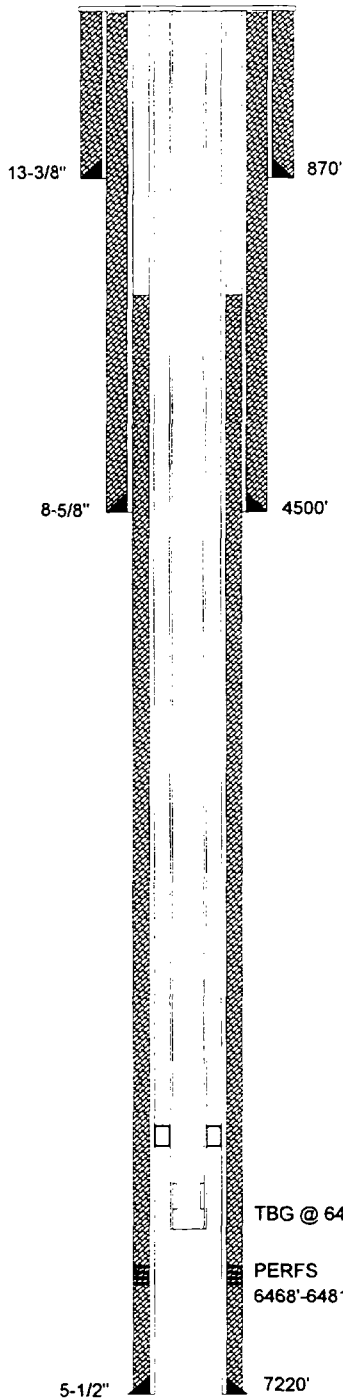
OPERATOR

LEASE

19	330' FNL & 1656' FEL	SEC-20	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PRODUCING OIL AND GAS WELL SPUD DATE: 1/26/90

SCHEMATIC



TABULAR DATA

1. SURFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 1000 sx

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 3230 sx

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 900 sx

TOC: 1630 FEET DETERMINED BY: Temp. Survey

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 7220 FEET

5. PERFORATIONS

6468 FEET TO: 6481 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

**Parker & Parsley
Development L.P.**

LUSK DEEP UNIT "A"

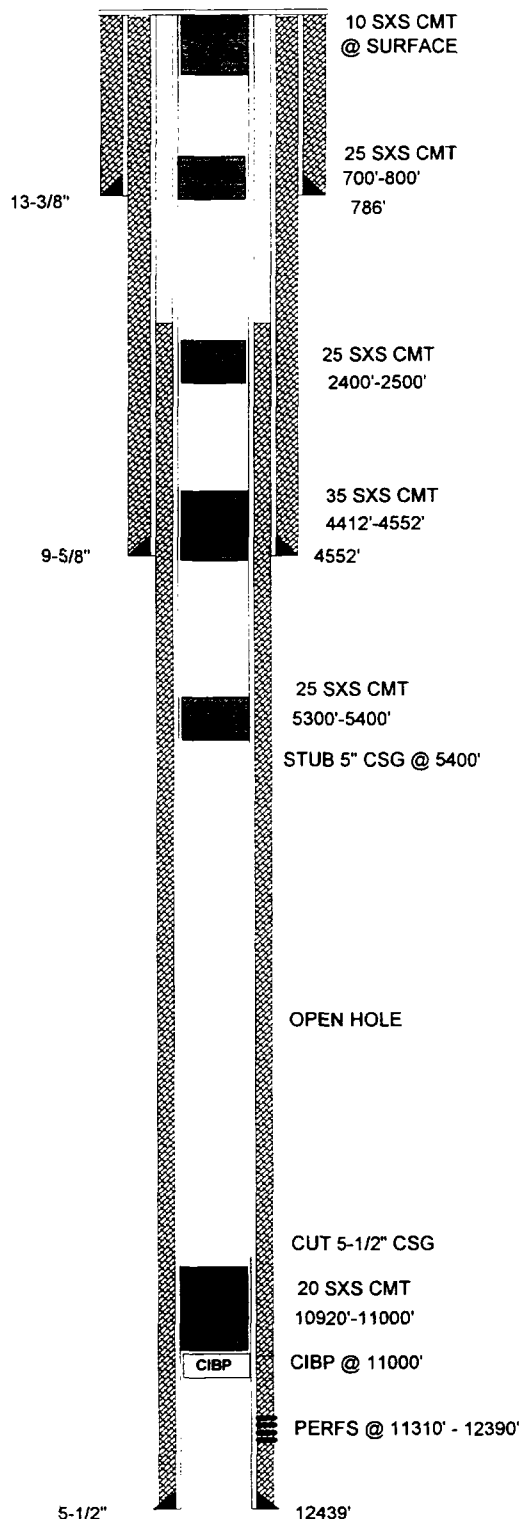
OPERATOR

LEASE

3	1650' FNL & 660' FWL	SEC-20	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PLUGGED & ABANDONED SPUD DATE: 7/22/61

SCHEMATIC



TABULAR DATA

1. SURFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 900 SX
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 9-5/8 INCHES CEMENTED WITH: 2730 SX
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 382 SX
 TOC: 10605 FEET DETERMINED BY: Temp. Survey
 HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 12623 FEET

5. PERFORATIONS

11310 FEET TO: 12390 FEET
 (PERFORATED OR OPEN HOLE ; INDICATE WHICH)
PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?
 LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
 DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NONE

FORM C-108
SECTION VI

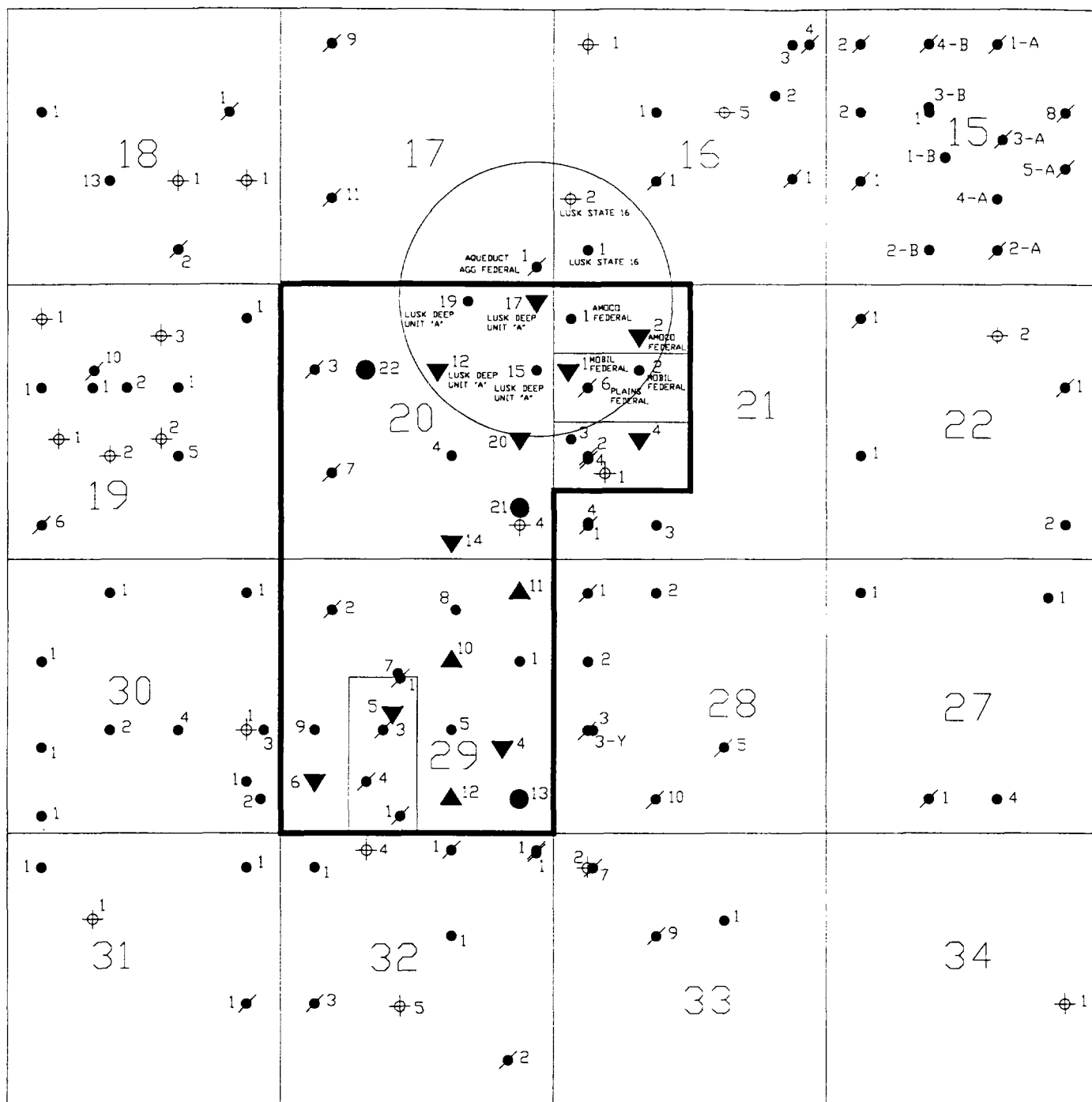
APPLICATION FOR AUTHORIZATION
TO INJECT

Parker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

SECTION V

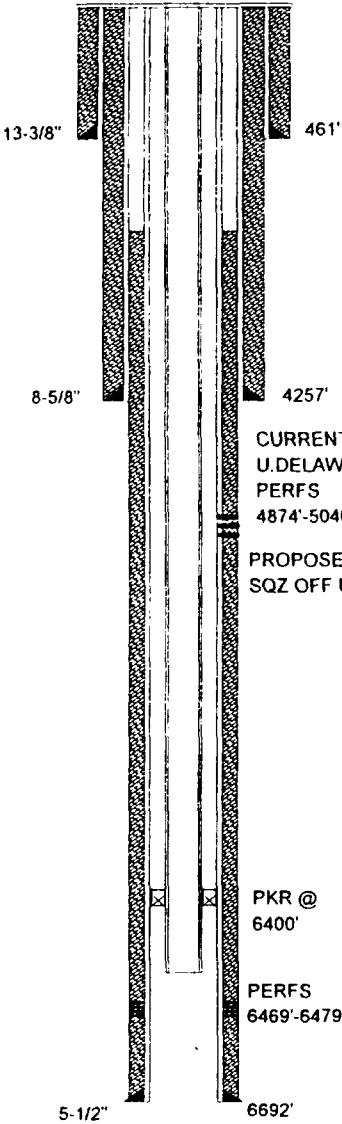


PROPOSED INJECTION WELL DATA SHEET

OPERATOR: SHACKELFORD OIL CO. LEASE: MOBIL FEDERAL

WELL NO 1 1650' FNL & 330' FWL SEC-21 T-19-S R-32-E
FOOTAGE LOCATION SECTION TOWNSHIP RANGE

SCHEMATIC



WELL CONSTRUCTION DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 475 SX
TOC: Surface FEET DETERMINED BY: Circulated
HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 860 SX
TOC: Surface FEET DETERMINED BY: Circulated
HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 875 SX
TOC: 4248 FEET DETERMINED BY: Temp. Survey
HOLE SIZE: 7-7/8 INCHES

4. INJECTION INTERVAL 6469 FEET TO: 6479 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

5. TOTAL DEPTH: 6700 FEET

6. TUBING SIZE

SIZE: 2-7/8 INCHES LINED WITH: IPC 505 - PLASTIC COATING
SET IN A: ARROW SET 1-XS, PKR PACKER AT: 6400 FEET:

OTHER DATA

A. IS THIS A NEW WELL DRILLED FOR INJECTION? YES NO
IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED? PRODUCING OIL AND GAS WELL

B. NAME THE INJECTION FORMATION: 6400' SAND (BRUSHY CANYON)

C. NAME THE FIELD OR POOL (IF APPLICABLE) LUSK WEST (DELAWARE)

D. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USE YES 4/92 PERFS 4904', 4984'-5006', 5012'-5040' CIBP @ 5183'
5/92 PERFS 4874'-4892' CIBP @ 4940', CURRENTLY PRODUCING FROM U. DELAWARE PERFS 4874'-4892'

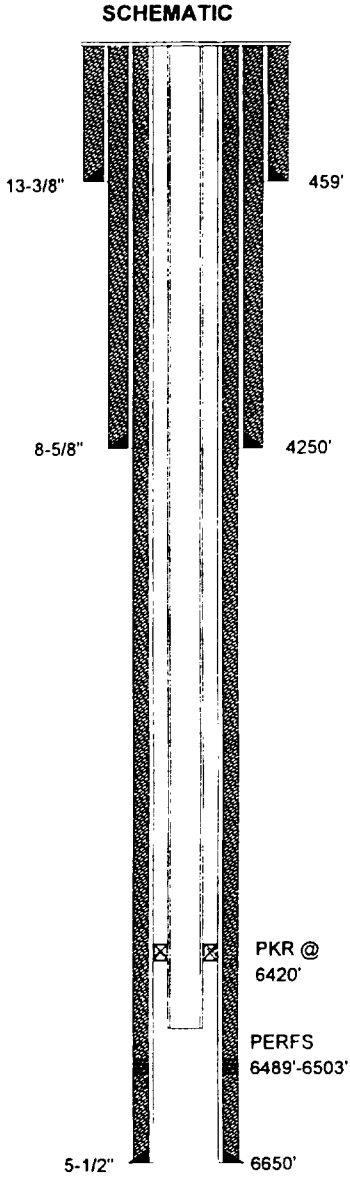
E. GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA:

1. YATES 2600'-2800'	WATKINS YATES N.E. LUSK YATES S. LUSK YATES	5. STRAWN 11000'-11200'	LUSK STRAWN OIL
2. DELAWARE 4600'-7100'	W. LUSK DELAWARE LUSK DELAWARE	6. ATOKA 11200'-11400'	LUSK ATOKA GAS
3. BONE SPRING 8200'-8950'	WATKINS BONE SPRING LUSK BONE SPRING S. LUSK BONE SPRING E. LUSK BONE SPRING	7. MORROW 11500'-12000'	LUSK MORROW GAS N.W. LUSK MORROW GAS N. LUSK MORROW GAS
4. WOLF CAMP 10100'-10700'	LUSK WOLFCAMP OIL E. LUSK WOLFCAMP OIL S. LUSK WOLFCAMP OIL		

PROPOSED INJECTION WELL DATA SHEET

OPERATOR: SHACKELFORD OIL CO. LEASE: AMOCO FEDERAL

WELL NO 2 990' FNL & 1650' FWL SEC-21 T-19-S R-32-E
FOOTAGE LOCATION SECTION TOWNSHIP RANGE



WELL CONSTRUCTION DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 475 sx
TOC: Surface FEET DETERMINED BY: Circulated
HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 100 sx
TOC: Surface FEET DETERMINED BY: Circulated
HOLE SIZE: 12-1/4 INCHES

NOTE: PULLED 3088' 8-8/5" CSG

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 2250 sx
TOC: Surface FEET DETERMINED BY: Circulated
HOLE SIZE: 7-7/8 INCHES

NOTE: PUMPED 1575 SXS CMT FROM TOPSIDE

4. INJECTION INTERVAL 6489 FEET TO: 6503 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

5. TOTAL DEPTH: 6700 FEET

6. TUBING SIZE

SIZE: 2-7/8 INCHES LINED WITH: IPC 505 - PLASTIC COATING
SET IN A: ARROW SET 1-XS, PKR PACKER AT: 6420 FEET:

OTHER DATA

A. IS THIS A NEW WELL DRILLED FOR INJECTION? YES NO
IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED? PRODUCING OIL AND GAS WELL

B. NAME THE INJECTION FORMATION: 6400' SAND (BRUSHY CANYON)

C. NAME THE FIELD OR POOL (IF APPLICABLE) LUSK WEST (DELAWARE)

D. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USE YES 3/92 PERFS 4856'-4867' W/CIBP @ 4995' CURRENTLY PRODUCING FROM

U. DELAWARE PERFS 4856'-4867' PLAN TO SQZ OFF U. DELAWARE CONVERT TO WIW IN 6469'-6503' PERFS

E. GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA:

1. YATES 2600'-2800'	WATKINS YATES N.E. LUSK YATES S. LUSK YATES	5. STRAWN 11000'-11200'	LUSK STRAWN OIL
2. DELAWARE 4600'-7100'	W. LUSK DELAWARE LUSK DELAWARE	6. ATOKA 11200'-11400'	LUSK ATOKA GAS
3. BONE SPRING 8200'-8950'	WATKINS BONE SPRING LUSK BONE SPRING S. LUSK BONE SPRING E. LUSK BONE SPRING	7. MORROW 11500'-12000'	LUSK MORROW GAS N.W. LUSK MORROW GAS N. LUSK MORROW GAS
4. WOLF CAMP 10100'-10700'	LUSK WOLFCAMP OIL E. LUSK WOLFCAMP OIL S. LUSK WOLFCAMP OIL		

PROPOSED INJECTION WELL DATA SHEET

OPERATOR:

Parker & Parsley
Development L.P.

LEASE:

LUSK DEEP UNIT "A"

WELL NO

12

1660' FNL & 2300' FEL

SEC-20

T-19-S

R-32-E

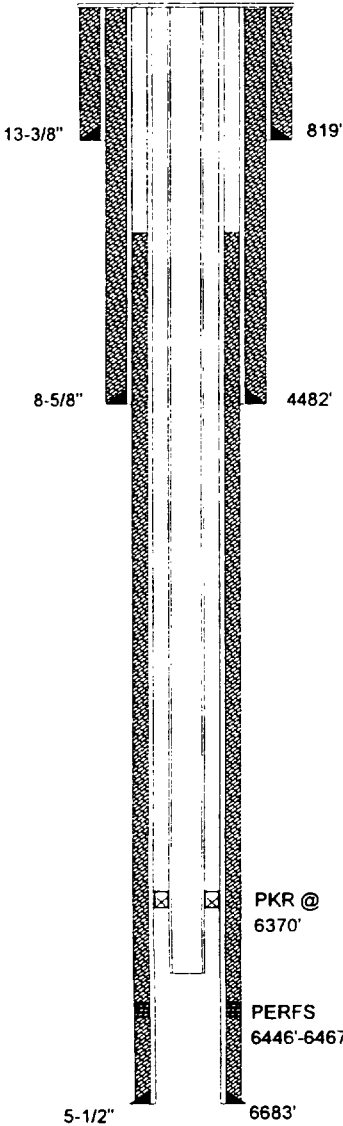
FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

SCHEMATIC



WELL CONSTRUCTION DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES

CEMENTED WITH: 500 SX

TOC: Surface

FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES

CEMENTED WITH: 1650 SX

TOC: 1350

FEET DETERMINED BY: Temp. Survey

HOLE SIZE: 11 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES

CEMENTED WITH: 800 SX

TOC: 2710

FEET DETERMINED BY: Temp. Survey

HOLE SIZE: 7-7/8 INCHES

4. INJECTION INTERVAL

6446 FEET TO: 6467 FEET

(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

"PERFORATED"

5. TOTAL DEPTH:

6700 FEET

6. TUBING SIZE

SIZE: 2-7/8 INCHES

LINED WITH: IPC 505 - PLASTIC COATING

SET IN A: ARROW SET 1-XS, PKR

PACKER AT: 6370 FEET:

OTHER DATA

A.

IS THIS A NEW WELL DRILLED FOR INJECTION?

YES

X

NO

IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED?

PRODUCING OIL AND GAS WELL

COMMENT: SPUD WELL 11/2/74. P&A WELLBORE 8/27/86. RE-ENTRY 4/12/89

B.

NAME THE INJECTION FORMATION:

6400' SAND (BRUSHY CANYON)

C.

NAME THE FIELD OR POOL (IF APPLICABLE)

LUSK WEST (DELAWARE)

D.

HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED.

PERFS 8839'-8914' CIBP AT 8800' W/5, SX, CMT/TOP, PERFS 10680'-10708', CIBP AT 10640' W/5, SX, CMT/TOP, PERFS 11460'-11581', CIBP AT 11430' W/5, SX, CMT/TOP, CIBP AT 12212' W/20, SX, CMT/TOP

E.

GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA:

1. YATES 2600'-2800'

WATKINS YATES

N.E. LUSK YATES

S. LUSK YATES

2. DELAWARE 4600'-7100'

W. LUSK DELAWARE

LUSK DELAWARE

3. BONE SPRING 8200'-8950'

WATKINS BONE SPRING

LUSK BONE SPRING

S. LUSK BONE SPRING

E. LUSK BONE SPRING

4. WOLF CAMP 10100'-10700'

LUSK WOLFCAMP OIL

E. LUSK WOLFCAMP OIL

S. LUSK WOLFCAMP OIL

5. STRAWN 11000'-11200'

LUSK STRAWN OIL

6. ATOKA 11200'-11400'

LUSK ATOKA GAS

7. MORROW 11500'-12000'

LUSK MORROW GAS

N.W. LUSK MORROW GAS

N. LUSK MORROW GAS

FORM C-108
SECTION III
APPLICATION FOR AUTHORIZATION
TO INJECT
Parker & Parsley
Development L.P.
WATER INJECTION WELL

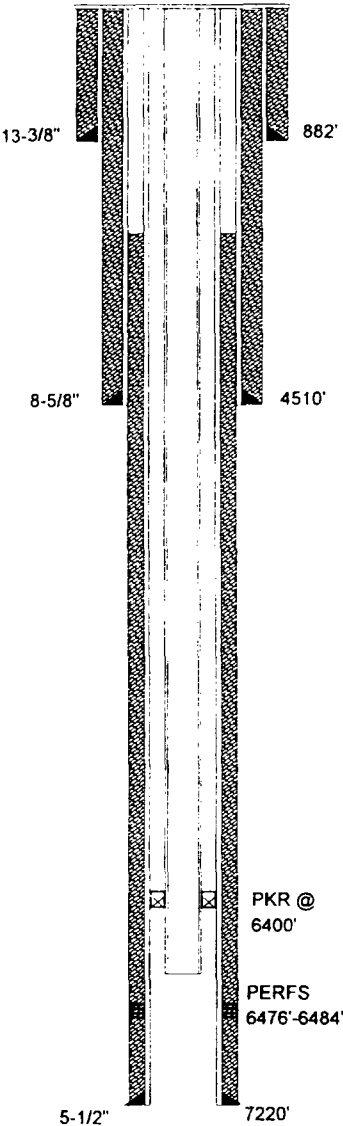
PROPOSED INJECTION WELL DATA SHEET

Parker & Parsley
Development L.P.

OPERATOR: LEASE: LUSK DEEP UNIT "A"

WELL NO 17 330' FNL & 330' FEL SEC-20 T-19-S R-32-E
FOOTAGE LOCATION SECTION TOWNSHIP RANGE

SCHEMATIC



WELL CONSTRUCTION DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 1000 sx
TOC: Surface FEET DETERMINED BY: Circulated
HOLE SIZE: 17-1/2 INCHES

2. INTERMIDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 1450 sx
TOC: Surface FEET DETERMINED BY: Circulated
HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 800 sx
TOC: 2790 FEET DETERMINED BY: CALCULATED
HOLE SIZE: 7-7/8 INCHES

4. INJECTION INTERVAL 6476 FEET TO: 6484 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

5. TOTAL DEPTH: 7224 FEET

6. TUBING SIZE

SIZE: 2-7/8 INCHES LINED WITH: IPC 505 - PLASTIC COATING
SET IN A: ARROW SET 1-XS, PKR PACKER AT: 6400 FEET:

OTHER DATA

A. IS THIS A NEW WELL DRILLED FOR INJECTION? YES NO
IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED? PRODUCING OIL AND GAS WELL

B. NAME THE INJECTION FORMATION: 6400' SAND (BRUSHY CANYON)

C. NAME THE FIELD OR POOL (IF APPLICABLE) LUSK WEST (DELAWARE)

D. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NO

E. GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA:

1. YATES 2600'-2800'	WATKINS YATES N.E. LUSK YATES S. LUSK YATES	5. STRAWN 11000'-11200'	LUSK STRAWN OIL
2. DELAWARE 4600'-7100'	W. LUSK DELAWARE LUSK DELAWARE	6. ATOKA 11200'-11400'	LUSK ATOKA GAS
3. BONE SPRING 8200'-8950'	WATKINS BONE SPRING LUSK BONE SPRING S. LUSK BONE SPRING E. LUSK BONE SPRING	7. MORROW 11500'-12000'	LUSK MORROW GAS N.W. LUSK MORROW GAS N. LUSK MORROW GAS
4. WOLF CAMP 10100'-10700'	LUSK WOLFCAMP OIL E. LUSK WOLFCAMP OIL S. LUSK WOLFCAMP OIL		

WELL DATA SHEET

SHACKELFORD OIL

PLAINS UNIT

OPERATOR

LEASE

6

1980' FSL & 660' FWL

SEC-21

T-19-S

R-32-E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

TYPE OF WELL:

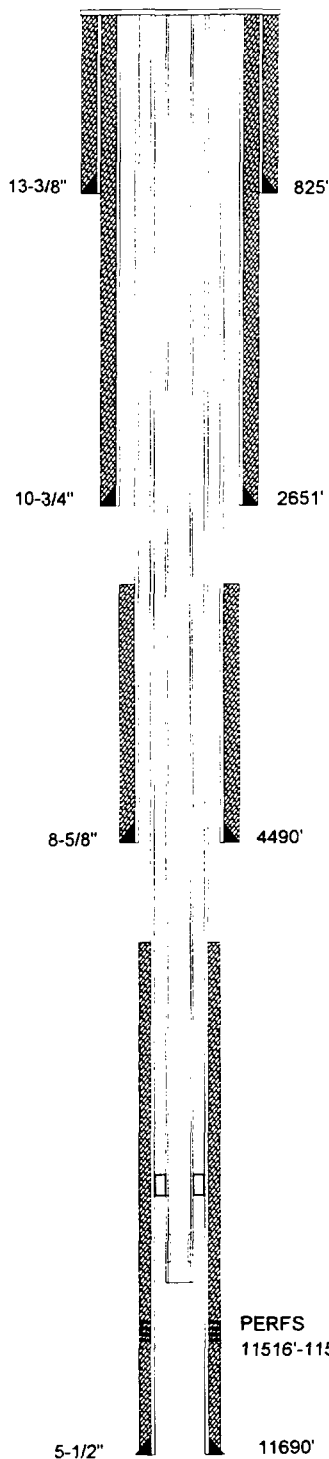
PRODUCING OIL AND GAS WELL

SPUD DATE:

7/10/96

TABULAR DATA

SCHEMATIC



1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 750 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 10-3/4 INCHES CEMENTED WITH: 700 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 12-1/4 INCHES

3. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 275 SX

TOC: 3335 FEET DETERMINED BY: Calculated

HOLE SIZE: 11 INCHES

4. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 200 SX

TOC: 10714 FEET DETERMINED BY: Calculated

HOLE SIZE: 7-7/8 INCHES

5. TOTAL DEPTH: 11690 FEET

6. PERFORATIONS

11516 FEET TO: 11530 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

"PERFORATED"

FORM C-108
SECTION VI
APPLICATION FOR AUTHORIZATION
TO INJECT

**Parker & Parsley
Development L.P.**

**WATER INJECTION WELL
TABULATION OF WELL DATA**

WELL DATA SHEET

RAY WESTALL OPERATING CORP.

LUSK "16" STATE

OPERATOR

LEASE

1

660' FSL & 660' FWL

SEC-16

T-19-S

R-32-E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

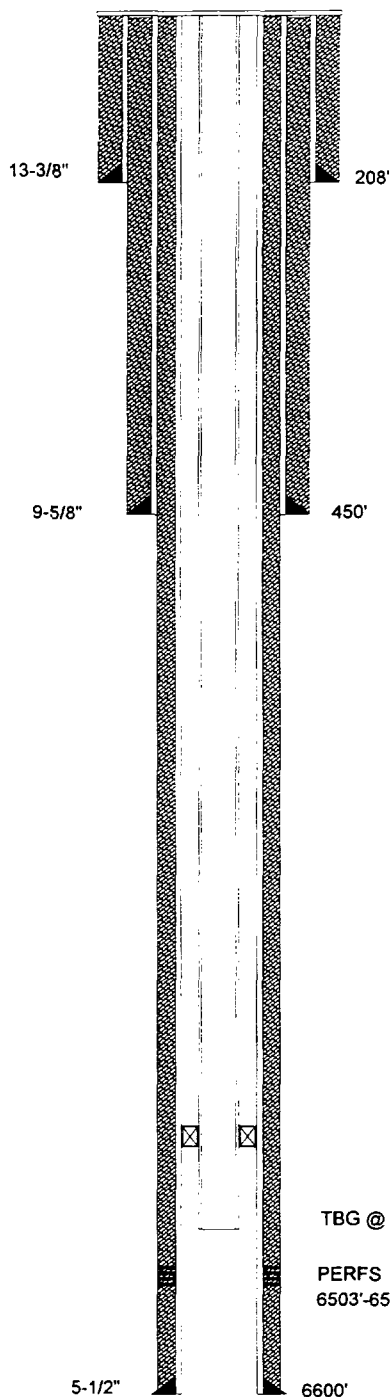
TYPE OF WELL:

PRODUCING OIL AND GAS WELL

SPUD DATE:

3/9/62

SCHMATIC



TABULAR DATA

1. SURFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 125 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 9-5/8 INCHES CEMENTED WITH: 500 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 11 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 3475 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 6600 FEET

5. PERFORATIONS

6503 FEET TO: 6509 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

**FORM C-108
SECTION VI**

**APPLICATION FOR AUTHORIZATION
TO INJECT**

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

SHACKELFORD OIL

AMOCO FEDERAL

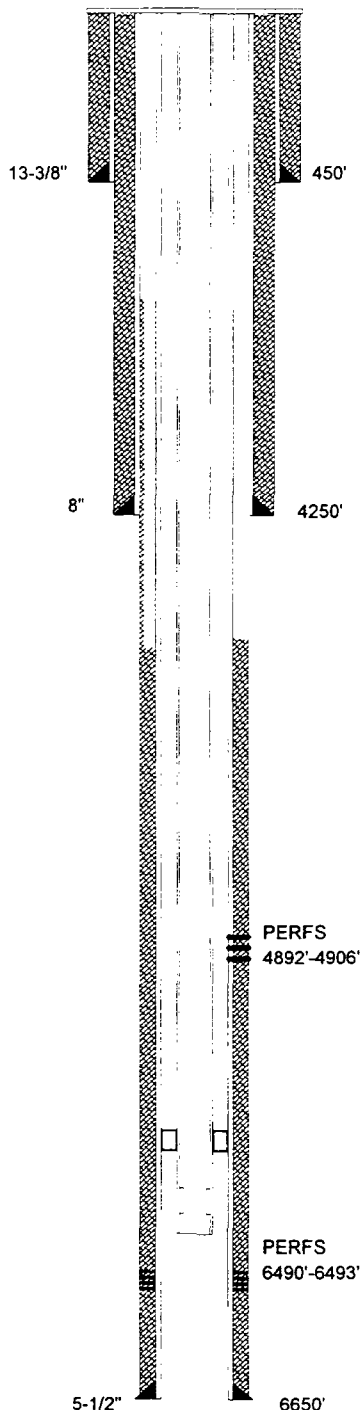
OPERATOR

LEASE

1	660' FNL & 330' FWL	SEC-21	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PRODUCING OIL AND GAS WELL SPUD DATE: 9/23/88

SCHEMATIC



TABULAR DATA

1. SURFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 475 **SX**

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8 INCHES CEMENTED WITH: 2150 **SX**

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 11 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 525 **SX**

TOC: 4550 FEET DETERMINED BY: Temp. Survey

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 6650 FEET

5. PERFORATIONS

6490 FEET TO: 6493 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

**FORM C-108
SECTION VI**

**APPLICATION FOR AUTHORIZATION
TO INJECT**

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

SHACKELFORD OIL

MOBIL FEDERAL

OPERATOR

LEASE

2

1650' FNL & 1650' FWL

SEC-21

T-19-S

R-32-E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

TYPE OF WELL:

PRODUCING OIL AND GAS WELL

SPUD DATE:

8/30/88

SCHMATIC

TABULAR DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 475 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: N/A INCHES CEMENTED WITH: N/A SX

TOC: N/A FEET DETERMINED BY: N/A

HOLE SIZE: N/A INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 165 SX

TOC: 5997 FEET DETERMINED BY: Calculation

HOLE SIZE: 11 & 7-7/8 INCHES

4. TOTAL DEPTH: 6690 FEET

5. PERFORATIONS

6490 FEET TO: 6495 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

13-3/8"

454'

PERFS
6490-6495

5-1/2"

6690'

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

**Parker & Parsley
Development L.P.**

LUSK DEEP UNIT "A"

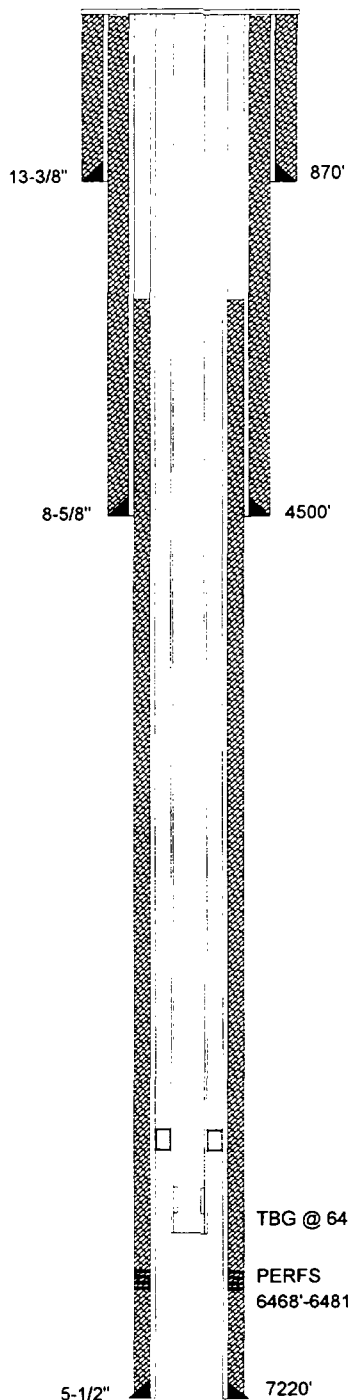
OPERATOR

LEASE

19	330' FNL & 1656' FEL	SEC-20	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PRODUCING OIL AND GAS WELL SPUD DATE: 1/26/90

SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 1000 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 3230 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 900 SX

TOC: 1630 FEET DETERMINED BY: Temp. Survey

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 7220 FEET

5. PERFORATIONS

6468 FEET TO: 6481 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

**Parker & Parsley
Development L.P.**

LUSK DEEP "A"

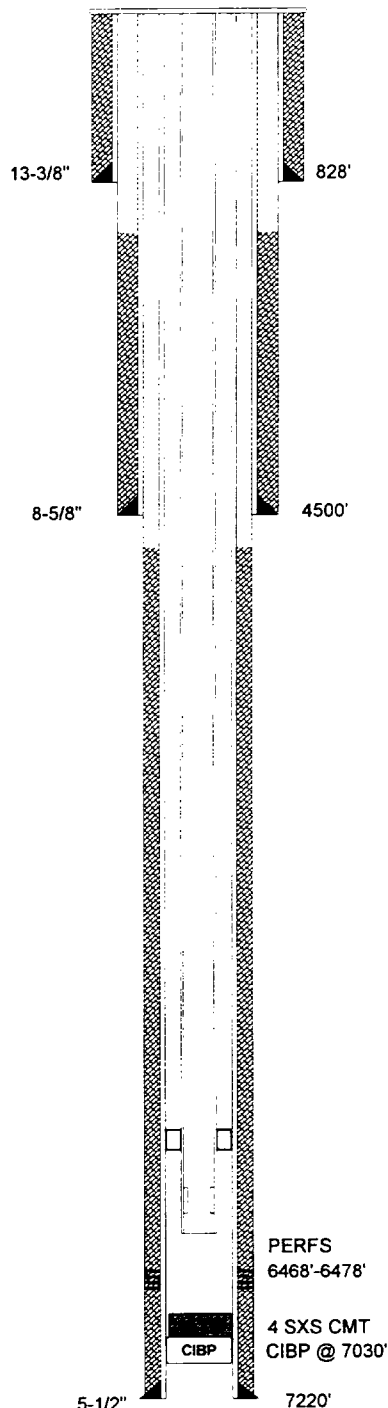
OPERATOR

LEASE

15	1651' FNL & 330' FEL	SEC-20	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PRODUCING OIL AND GAS WELL SPUD DATE: 11/22/88

SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 1000 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 700 SX

TOC: 2370 FEET DETERMINED BY: Temp. Survey

HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 600 SX

TOC: 4690 FEET DETERMINED BY: Temp. Survey

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 7220 FEET

5. PERFORATIONS

6468 FEET TO: 6478 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

YATES HARVEY E

LUSK "16" STATE

OPERATOR

LEASE

2

1650' FSL & 330' FWL

SEC-16

T-19-S

R-32-E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

TYPE OF WELL:

DRY HOLE

SPUD DATE:

7/30/89

SCHEMATIC

TABULAR DATA

1. SURFACE CASING

SIZE: 9-5/8 INCHES CEMENTED WITH: 500 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 11 INCHES

2. INTERMEDIATE CASING

SIZE: N/A INCHES CEMENTED WITH: N/A SX

TOC: N/A FEET DETERMINED BY: N/A

HOLE SIZE: N/A INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 3475 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 6600 FEET

5. PERFORATIONS

6506 FEET TO: 6506 FEET

(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?

LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED

DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED.

NONE

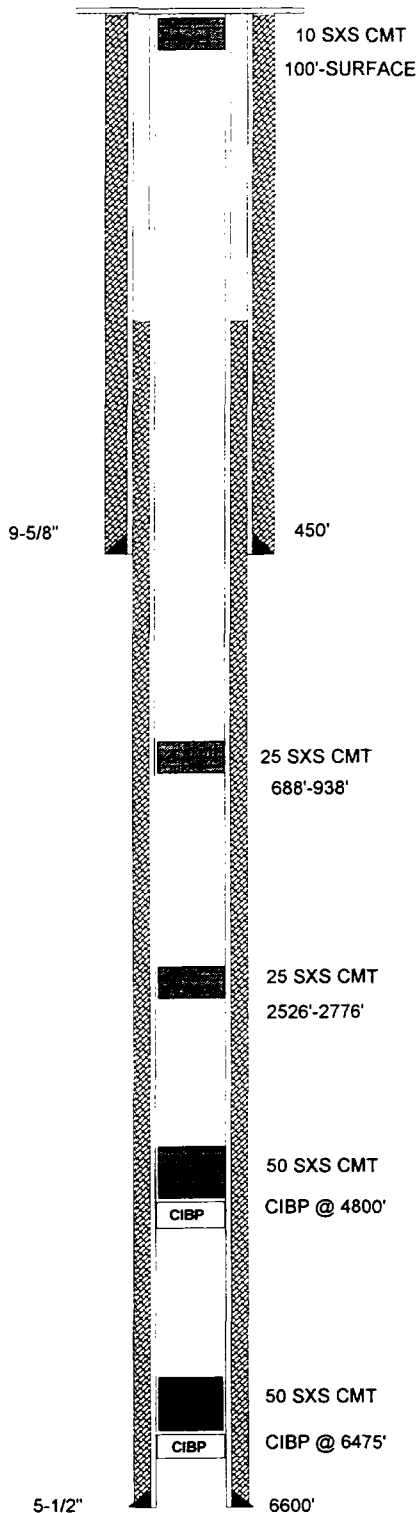
FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

Parker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA



WELL DATA SHEET

MARBOB ENERGY CORP.

AQUEDUCT AGG FEDERAL

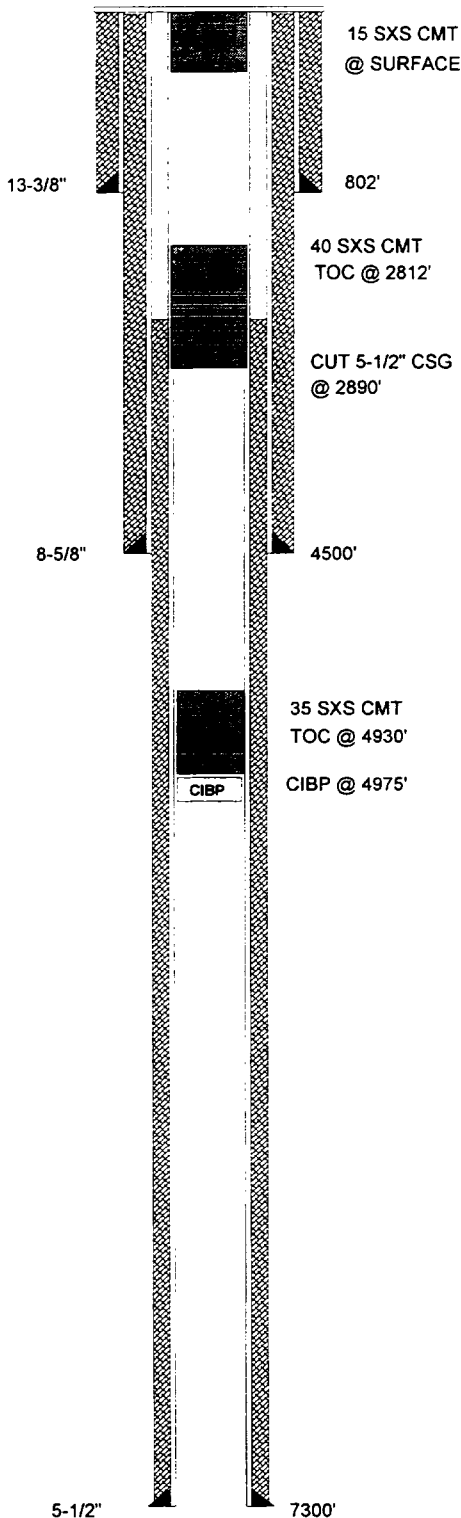
OPERATOR

LEASE

1	330' FSL & 330' FEL	SEC-17	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PLUGGED & ABANDONED SPUD DATE: 6/11/89

SCHEMATIC



TABULAR DATA

1. SURFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 800 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 2950 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 975 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 7300 FEET

5. PERFORATIONS

6486 FEET TO: 6498 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?
LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NONE

FORM C-108
SECTION VI

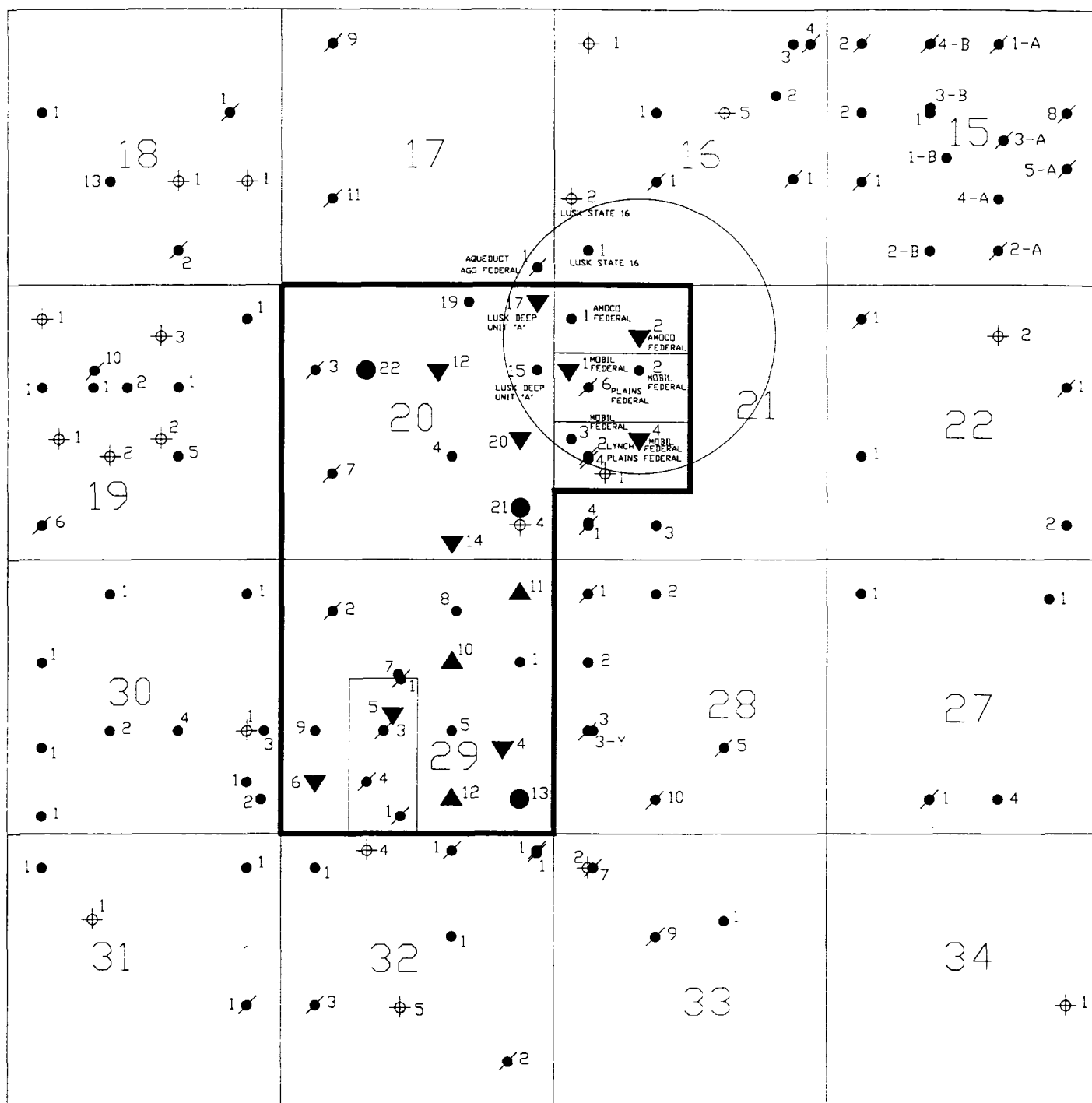
APPLICATION FOR AUTHORIZATION
TO INJECT

Parker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

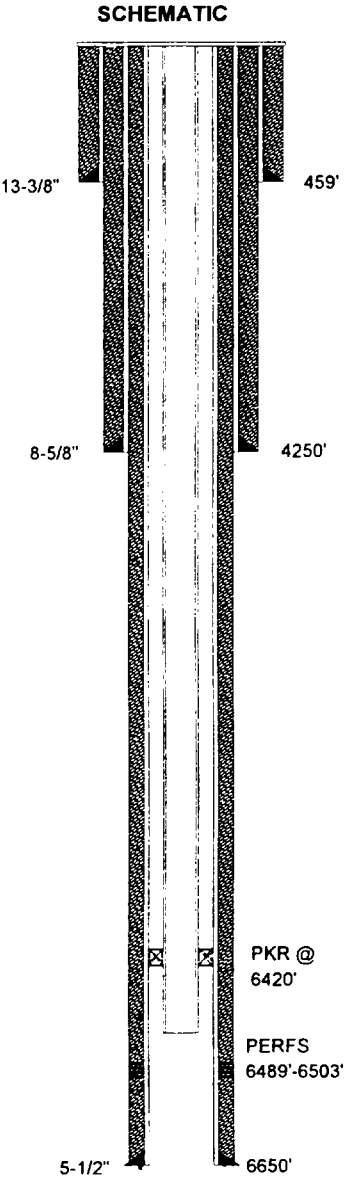
SECTION V



PROPOSED INJECTION WELL DATA SHEET

OPERATOR: SHACKELFORD OIL CO. LEASE: AMOCO FEDERAL

WELL NO 2 990' FNL & 1650' FWL SEC-21 T-19-S R-32-E
FOOTAGE LOCATION SECTION TOWNSHIP RANGE



WELL CONSTRUCTION DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 475 sx
TOC: Surface FEET DETERMINED BY: Circulated
HOLE SIZE: 17-1/2 INCHES

2. INTERMIDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 100 sx
TOC: Surface FEET DETERMINED BY: Circulated
HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 2250 sx
TOC: Surface FEET DETERMINED BY: Circulated
HOLE SIZE: 7-7/8 INCHES

4. INJECTION INTERVAL 6489 FEET TO: 6503 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

5. TOTAL DEPTH: 6700 FEET

6. TUBING SIZE

SIZE: 2-7/8 INCHES LINED WITH: IPC 505 - PLASTIC COATING
SET IN A: ARROW SET 1-XS, PKR PACKER AT: 6420 FEET:

OTHER DATA

A. IS THIS A NEW WELL DRILLED FOR INJECTION? YES NO
IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED? PRODUCING OIL AND GAS WELL

B. NAME THE INJECTION FORMATION: 6400' SAND (BRUSHY CANYON)

C. NAME THE FIELD OR POOL (IF APPLICABLE) LUSK WEST (DELAWARE)

D. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USE YES 3/92 PERFS 4856'-4867' W/CIBP @ 4995' CURRENTLY PRODUCING FROM

U. DELAWARE PERFS 4856'-4867' PLAN TO SQZ OFF U. DELAWARE CONVERT TO WIW IN 6469'-6503' PERFS

E. GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA:

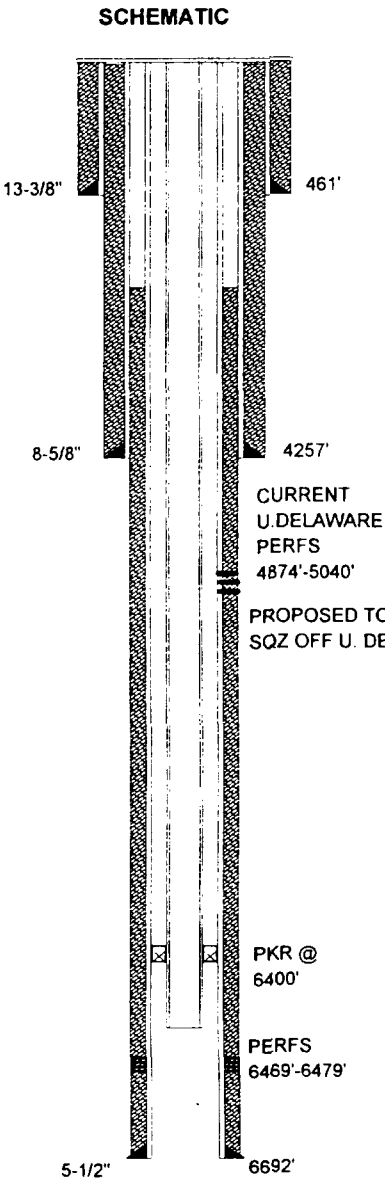
1. YATES 2600'-2800'	WATKINS YATES N.E. LUSK YATES S. LUSK YATES	5. STRAWN 11000'-11200'	LUSK STRAWN OIL
2. DELAWARE 4600'-7100'	W. LUSK DELAWARE LUSK DELAWARE	6. ATOKA 11200'-11400'	LUSK ATOKA GAS
3. BONE SPRING 8200'-8950'	WATKINS BONE SPRING LUSK BONE SPRING S. LUSK BONE SPRING E. LUSK BONE SPRING	7. MORROW 11500'-12000'	LUSK MORROW GAS N.W. LUSK MORROW GAS N. LUSK MORROW GAS
4. WOLF CAMP 10100'-10700'	LUSK WOLFCAMP OIL E. LUSK WOLFCAMP OIL S. LUSK WOLFCAMP OIL		

PROPOSED INJECTION WELL DATA SHEET

OPERATOR: SHACKELFORD OIL CO. LEASE: MOBIL FEDERAL

WELL NO 1 1650' FNL & 330' FWL SEC-21 T-19-S R-32-E

FOOTAGE LOCATION SECTION TOWNSHIP RANGE



WELL CONSTRUCTION DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 475 sx

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 860 sx

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 875 sx

TOC: 4248 FEET DETERMINED BY: Temp. Survey

HOLE SIZE: 7-7/8 INCHES

4. INJECTION INTERVAL 6469 FEET TO: 6479 FEET

(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

"PERFORATED"

5. TOTAL DEPTH: 6700 FEET

6. TUBING SIZE

SIZE: 2-7/8 INCHES LINED WITH: IPC 505 - PLASTIC COATING

SET IN A: ARROW SET 1-XS, PKR PACKER AT: 6400 FEET

OTHER DATA

A. IS THIS A NEW WELL DRILLED FOR INJECTION? YES NO

IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED? PRODUCING OIL AND GAS WELL

B. NAME THE INJECTION FORMATION: 6400' SAND (BRUSHY CANYON)

C. NAME THE FIELD OR POOL (IF APPLICABLE) LUSK WEST (DELAWARE)

D. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USE YES 4/92 PERFS 4904', 4984'-5006', 5012'-5040' CIBP @ 5183'

5/92 PERFS 4874'-4892' CIBP @ 4940'. CURRENTLY PRODUCING FROM U. DELAWARE PERFS 4874'-4892'

E. GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA:

1. YATES 2600'-2800'	WATKINS YATES N.E. LUSK YATES S. LUSK YATES	5. STRAWN 11000'-11200'	LUSK STRAWN OIL
2. DELAWARE 4600'-7100'	W. LUSK DELAWARE LUSK DELAWARE	6. ATOKA 11200'-11400'	LUSK ATOKA GAS
3. BONE SPRING 8200'-8950'	WATKINS BONE SPRING LUSK BONE SPRING S. LUSK BONE SPRING E. LUSK BONE SPRING	7. MORROW 11500'-12000'	LUSK MORROW GAS N.W. LUSK MORROW GAS N. LUSK MORROW GAS
4. WOLF CAMP 10100'-10700'	LUSK WOLFCAMP OIL E. LUSK WOLFCAMP OIL S. LUSK WOLFCAMP OIL		

PROPOSED INJECTION WELL DATA SHEET

OPERATOR:

Parker & Parsley
Development L.P.

LEASE:

LUSK DEEP UNIT "A"

WELL NO

17

330' FNL & 330' FEL

SEC-20

T-19-S

R-32-E

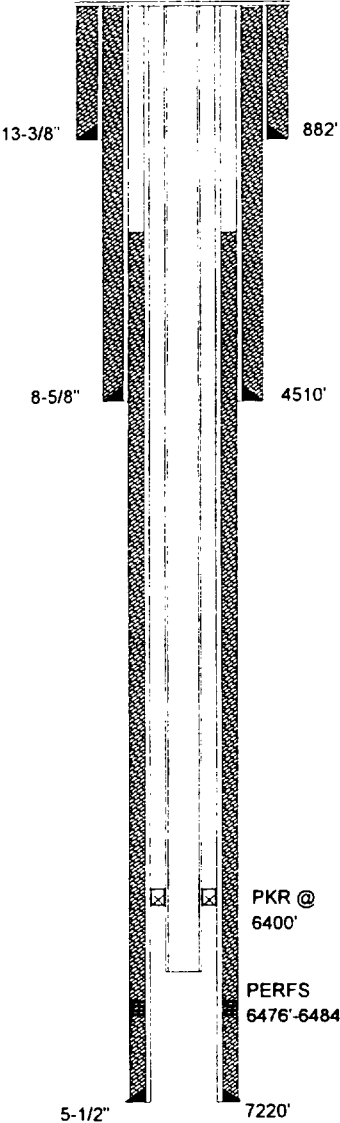
FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

SCHEMATIC



WELL CONSTRUCTION DATA

1. SUFACE CASING

SIZE:

13-3/8

INCHES

CEMENTED WITH:

1000

SX

TOC:

Surface

FEET DETERMINED BY:

Circulated

HOLE SIZE:

17-1/2

INCHES

2. INTERMEDIATE CASING

SIZE:

8-5/8

INCHES

CEMENTED WITH:

1450

SX

TOC:

Surface

FEET DETERMINED BY:

Circulated

HOLE SIZE:

12-1/4

INCHES

3. LONG STRING

SIZE:

5-1/2

INCHES

CEMENTED WITH:

800

SX

TOC:

2790

FEET DETERMINED BY:

CALCULATED

HOLE SIZE:

7-7/8

INCHES

4. INJECTION INTERVAL

6476

FEET TO:

6484

FEET

(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

"PERFORATED"

5. TOTAL DEPTH:

7224

FEET

6. TUBING SIZE

SIZE:

2-7/8

INCHES

LINED WITH:

IPC 505 - PLASTIC COATING

SET IN A:

ARROW SET 1-XS, PKR

PACKER AT:

6400

FEET:

OTHER DATA

A.

IS THIS A NEW WELL DRILLED FOR INJECTION?

YES

X

NO

IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED?

PRODUCING OIL AND GAS WELL

B.

NAME THE INJECTION FORMATION:

6400' SAND (BRUSHY CANYON)

C.

NAME THE FIELD OR POOL (IF APPLICABLE)

LUSK WEST (DELAWARE)

D.

HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED.

NO

E.

GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA:

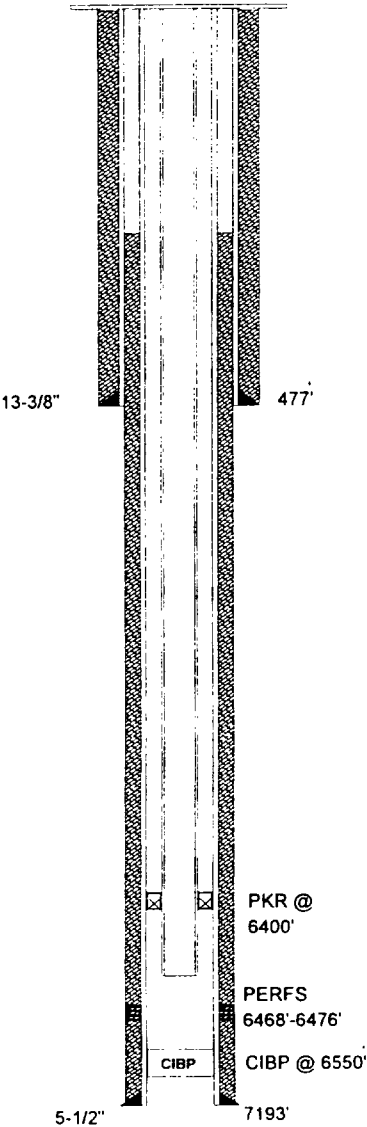
1. YATES 2600'-2800'	WATKINS YATES N.E. LUSK YATES S. LUSK YATES	5. STRAWN 11000'-11200'	LUSK STRAWN OIL
2. DELAWARE 4600'-7100'	W. LUSK DELAWARE LUSK DELAWARE	6. ATOKA 11200'-11400'	LUSK ATOKA GAS
3. BONE SPRING 8200'-8950'	WATKINS BONE SPRING LUSK BONE SPRING S. LUSK BONE SPRING E. LUSK BONE SPRING	7. MORROW 11500'-12000'	LUSK MORROW GAS N.W. LUSK MORROW GAS N. LUSK MORROW GAS
4. WOLF CAMP 10100'-10700'	LUSK WOLFCAMP OIL E. LUSK WOLFCAMP OIL S. LUSK WOLFCAMP OIL		

PROPOSED INJECTION WELL DATA SHEET

OPERATOR: SHACKELFORD OIL CO. LEASE: MOBIL FEDERAL

WELL NO 4 1650' FWL & 2310' FSL SEC-21 T-19-S R-32-E
FOOTAGE LOCATION SECTION TOWNSHIP RANGE

SCHEMATIC



WELL CONSTRUCTION DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 475 SX
TOC: Surface FEET DETERMINED BY: Circulated
HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: N/A INCHES CEMENTED WITH: N/A SX
TOC: N/A FEET DETERMINED BY: N/A
HOLE SIZE: N/A INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 2620 SX
TOC: Surface FEET DETERMINED BY: Circulated
NOTE: 1" PLUG TO 1336' CMTD W/720 SXS TO CIRCULATE.
HOLE SIZE: 7-7/8 INCHES

4. INJECTION INTERVAL 6468 FEET TO: 6476 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

5. TOTAL DEPTH: 7230 FEET

6. TUBING SIZE

SIZE: 2-7/8 INCHES LINED WITH: IPC 505 - PLASTIC COATING
SET IN A: ARROW SET 1-XS, PKR PACKER AT: 6400 FEET:

OTHER DATA

A. IS THIS A NEW WELL DRILLED FOR INJECTION? YES NO
IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED? PRODUCING OIL AND GAS WELL

B. NAME THE INJECTION FORMATION: 6400' SAND (BRUSHY CANYON)

C. NAME THE FIELD OR POOL (IF APPLICABLE) LUSK WEST (DELAWARE)

D. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NO

E. GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA:

1. YATES 2600'-2800'	WATKINS YATES N.E. LUSK YATES S. LUSK YATES	5. STRAWN 11000'-11200'	LUSK STRAWN OIL
2. DELAWARE 4600'-7100'	W. LUSK DELAWARE LUSK DELAWARE	6. ATOKA 11200'-11400'	LUSK ATOKA GAS
3. BONE SPRING 8200'-8950'	WATKINS BONE SPRING LUSK BONE SPRING S. LUSK BONE SPRING E. LUSK BONE SPRING	7. MORROW 11500'-12000'	LUSK MORROW GAS N.W. LUSK MORROW GAS N. LUSK MORROW GAS
4. WOLF CAMP 10100'-10700'	LUSK WOLFCAMP OIL E. LUSK WOLFCAMP OIL S. LUSK WOLFCAMP OIL		

WELL DATA SHEET

SHACKELFORD OIL

PLAINS UNIT

OPERATOR

LEASE

6

1980' FSL & 660' FWL

SEC-21

T-19-S

R-32-E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

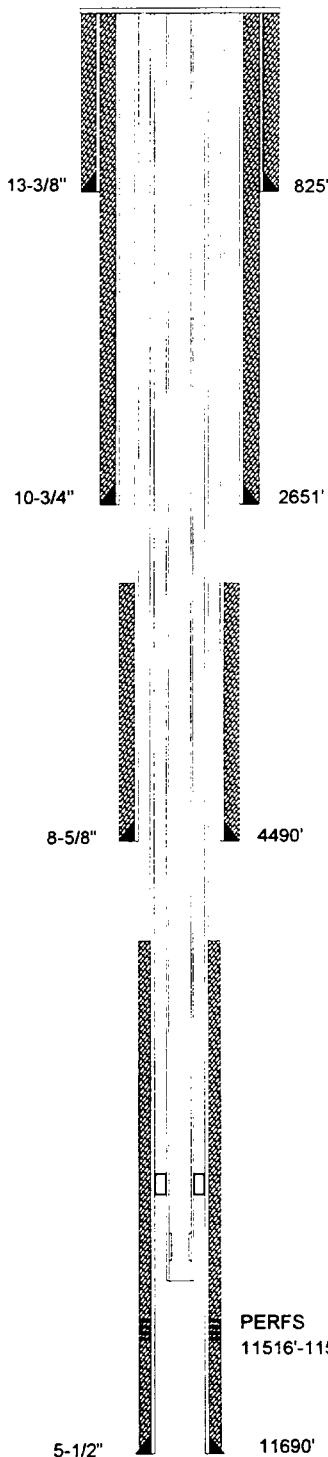
TYPE OF WELL:

PRODUCING OIL AND GAS WELL

SPUD DATE:

7/10/96

SCHEMATIC



TABULAR DATA

1. SURFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 750 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 10-3/4 INCHES CEMENTED WITH: 700 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 12-1/4 INCHES

3. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 275 SX

TOC: 3335 FEET DETERMINED BY: Calculated

HOLE SIZE: 11 INCHES

4. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 200 SX

TOC: 10714 FEET DETERMINED BY: Calculated

HOLE SIZE: 7-7/8 INCHES

5. TOTAL DEPTH: 11690 FEET

6. PERFORATIONS

11516 FEET TO: 11530 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

"PERFORATED"

FORM C-108

SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECTParker & Parsley
Development L.P.WATER INJECTION WELL
TABULATION OF WELL DATA

WELL DATA SHEET

SHACKELFORD OIL

MOBIL FEDERAL

OPERATOR

LEASE

2	1650' FNL & 1650' FWL	SEC-21	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PRODUCING OIL AND GAS WELL **SPUD DATE:** 8/30/88

SCHEMATIC

TABULAR DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 475 **SX**

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: N/A INCHES CEMENTED WITH: N/A **SX**

TOC: N/A FEET DETERMINED BY: N/A

HOLE SIZE: N/A INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 165 **SX**

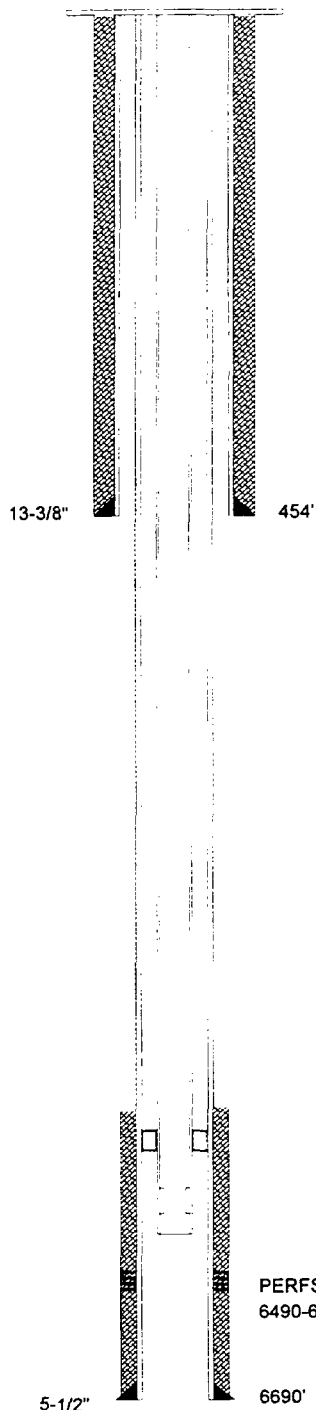
TOC: 5997 FEET DETERMINED BY: Calculation

HOLE SIZE: 11 & 7-7/8 INCHES

4. TOTAL DEPTH: 6690 FEET

5. PERFORATIONS

6490 FEET TO: 6495 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"



**FORM C-108
SECTION VI**

**APPLICATION FOR AUTHORIZATION
TO INJECT**

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

SHACKELFORD OIL

MOBIL FEDERAL

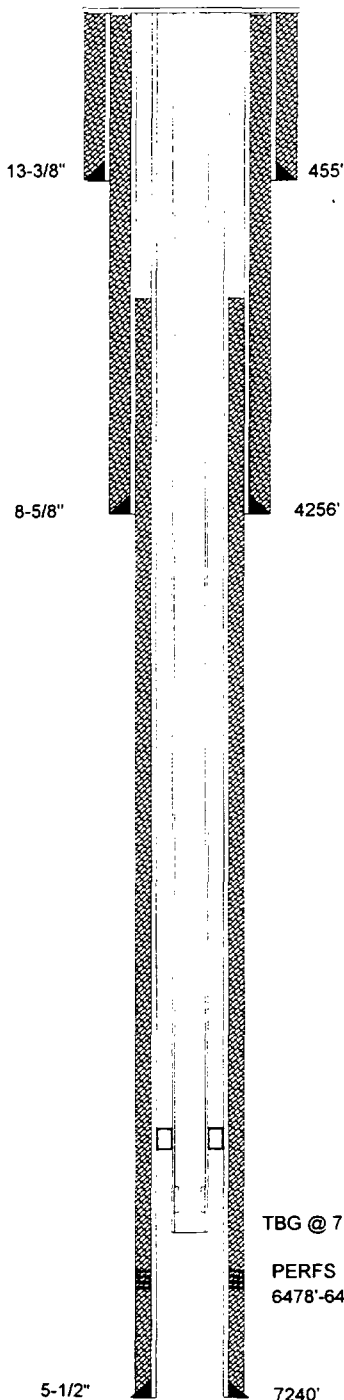
OPERATOR

LEASE

3	2310' FSL & 330' FWL	SEC-21	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PRODUCING OIL AND GAS WELL SPUD DATE: 10/25/89

SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 475 SX
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 1090 SX
 TOC: 150 FEET DETERMINED BY: Temp. Survey
 HOLE SIZE: 11 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 1000 SX
 TOC: 3240 FEET DETERMINED BY: Calculated
 HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 7240 FEET

5. PERFORATIONS

6478 FEET TO: 6485 FEET
 (PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

**FORM C-108
SECTION VI**

**APPLICATION FOR AUTHORIZATION
TO INJECT**

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

SHACKELFORD OIL

AMOCO FEDERAL

OPERATOR

LEASE

1

660' FNL & 330' FWL

SEC-21

T-19-S

R-32-E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

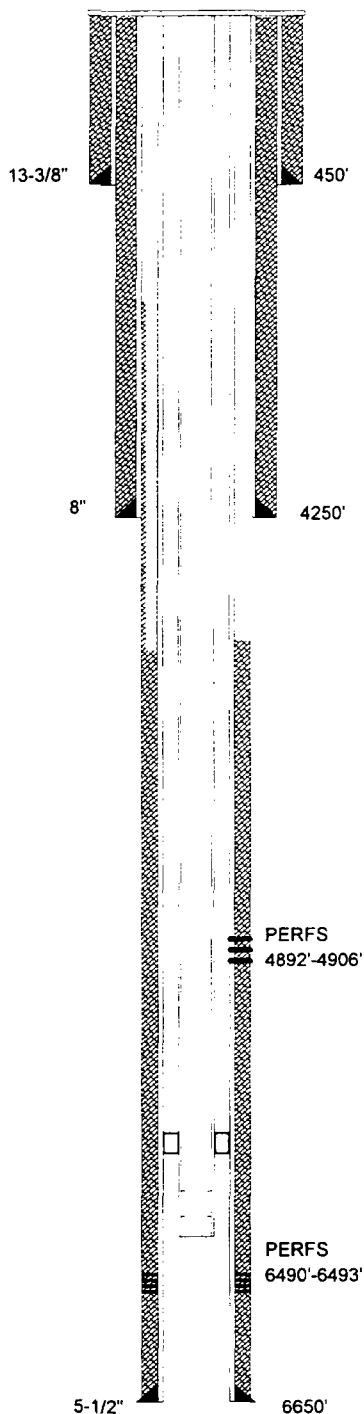
TYPE OF WELL:

PRODUCING OIL AND GAS WELL

SPUD DATE:

9/23/88

SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 475 **SX**

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8 INCHES CEMENTED WITH: 2150 **SX**

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 11 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 525 **SX**

TOC: 4550 FEET DETERMINED BY: Temp. Survey

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 6650 FEET

5. PERFORATIONS

6490 FEET TO: 6493 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

**FORM C-108
SECTION VI**

**APPLICATION FOR AUTHORIZATION
TO INJECT**

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

**Parker & Parsley
Development L.P.**

LUSK DEEP "A"

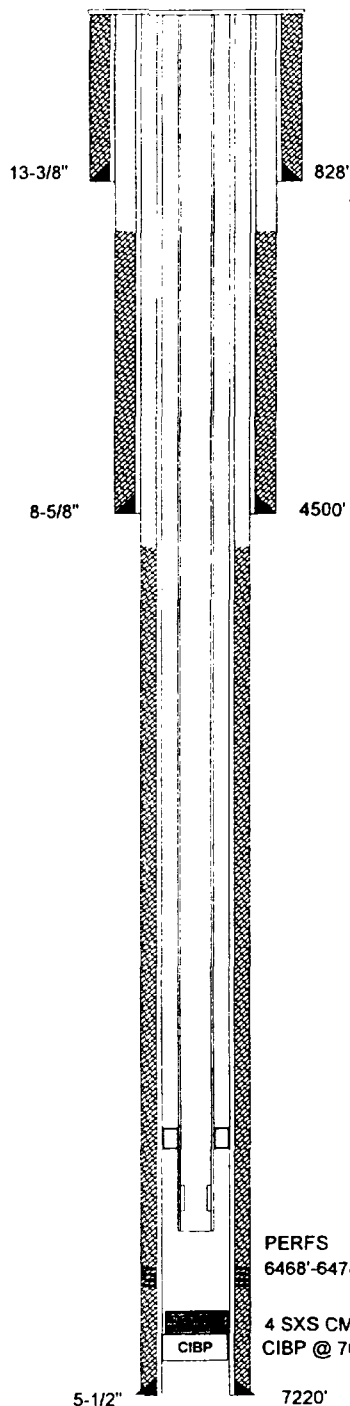
OPERATOR

LEASE

15	1651' FNL & 330' FEL	SEC-20	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PRODUCING OIL AND GAS WELL SPUD DATE: 11/22/88

SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 1000 **SX**

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 700 **SX**

TOC: 2370 FEET DETERMINED BY: Temp. Survey

HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 600 **SX**

TOC: 4690 FEET DETERMINED BY: Temp. Survey

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 7220 FEET

5. PERFORATIONS

6468 FEET TO: 6478 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

SHACKELFORD OIL

PLAINS FEDERAL

OPERATOR

LEASE

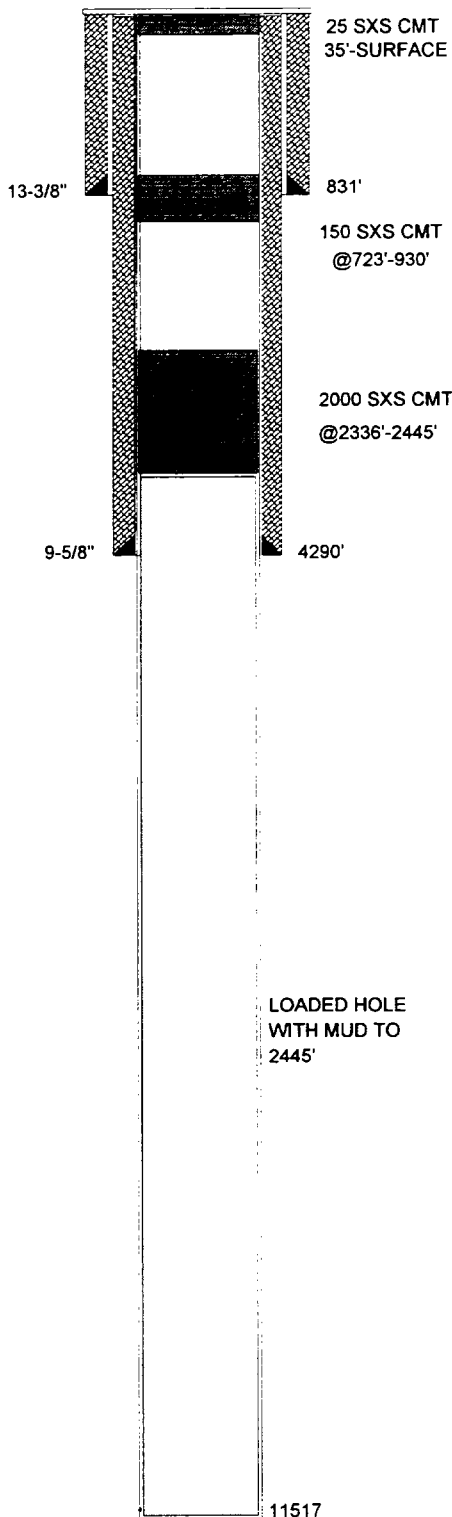
4	1930' FSL & 660' FWL	SEC-21	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PLUGGED & ABANDONED

SPUD DATE: 9/12/63

SCHEMATIC

TABULAR DATA



1. SURFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 725 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 9-5/8 INCHES CEMENTED WITH: 1000 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 11 INCHES

3. LONG STRING

SIZE: N/A INCHES CEMENTED WITH: N/A SX

TOC: N/A FEET DETERMINED BY: N/A

HOLE SIZE: _____ INCHES

4. TOTAL DEPTH: 11517 FEET

5. PERFORATIONS

N/A FEET TO: N/A FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?
LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. _____ NONE

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

Parker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

SHACKELFORD OIL

LYNCH

OPERATOR

LEASE

2

1980' FSL & 660' FWL

SEC-21

T-19-S

R-32-E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

TYPE OF WELL:

PLUGGED & ABANDONED

SPUD DATE:

4/11/42

SCHEMATIC

TABULAR DATA

1. SUFACE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 50 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 11 INCHES

2. INTERMEDIATE CASING

SIZE: N/A INCHES CEMENTED WITH: N/A SX

TOC: N/A FEET DETERMINED BY: N/A

HOLE SIZE: N/A INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 100 SX

TOC: 2400 FEET DETERMINED BY: Temp. Survey

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 2820 FEET

5. PERFORATIONS

2680 FEET TO: 2955 FEET

(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?

LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED.

NONE

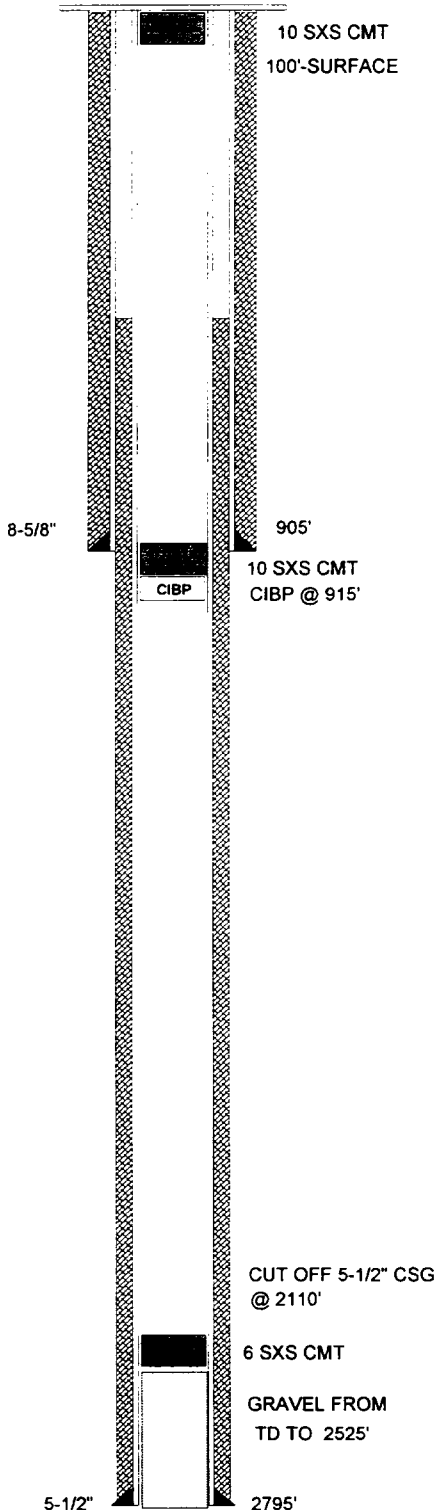
FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

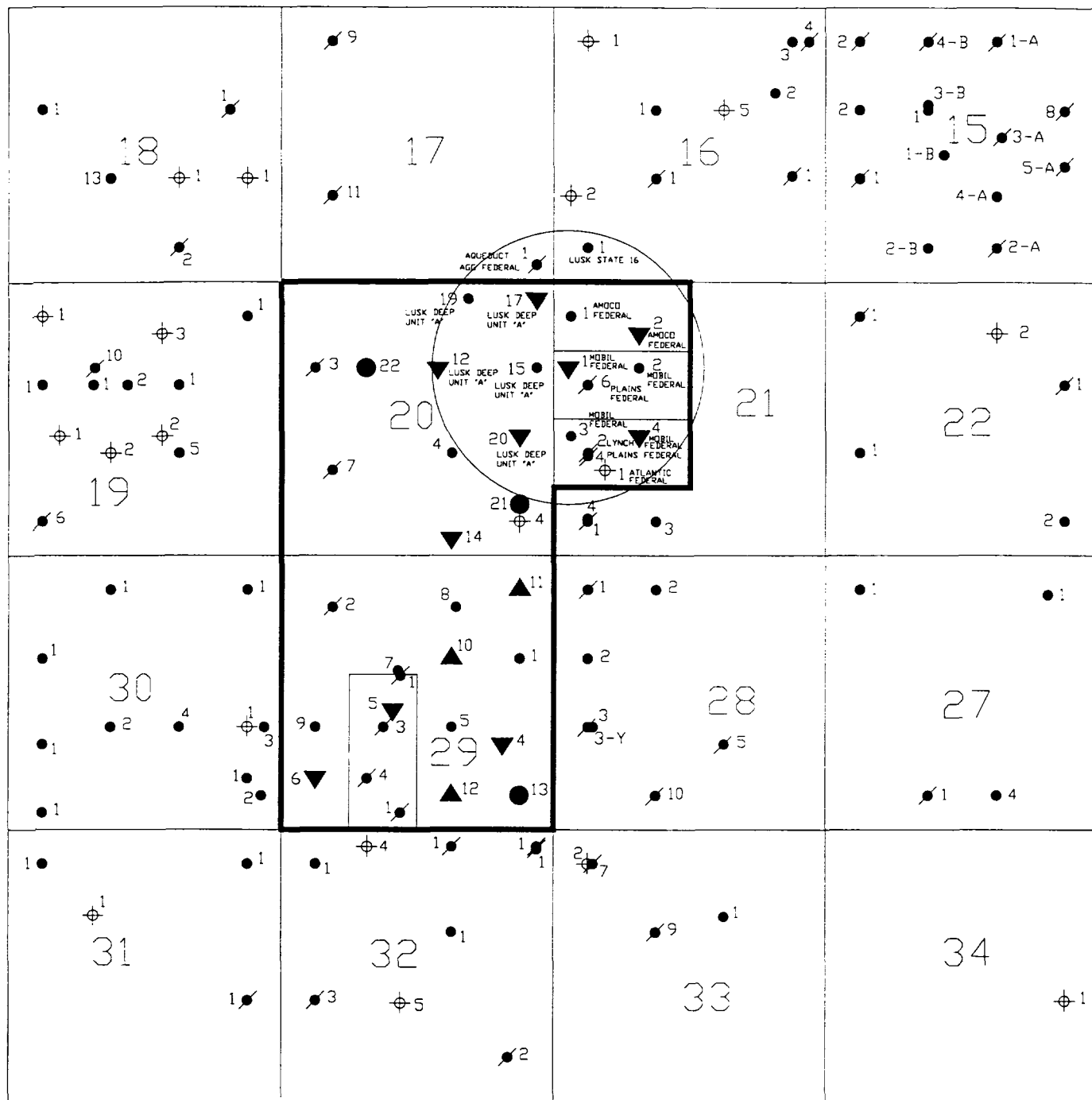
Parker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA



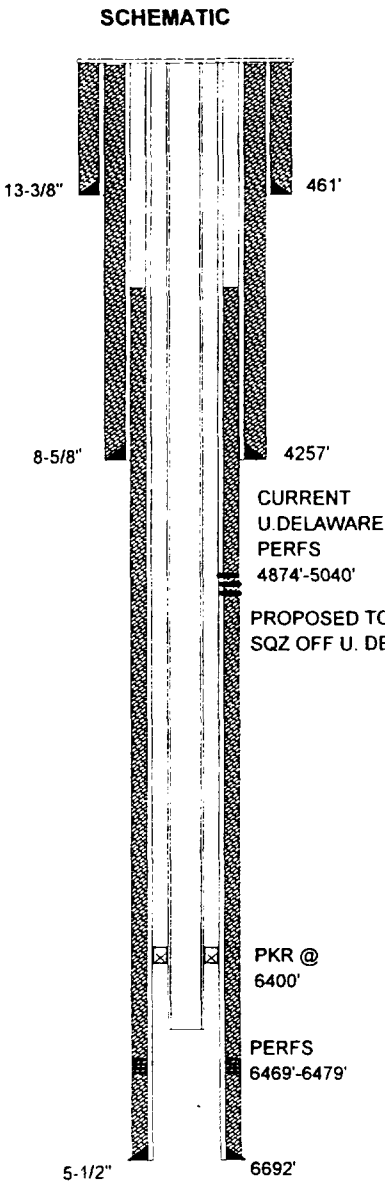
SECTION V



PROPOSED INJECTION WELL DATA SHEET

OPERATOR: SHACKELFORD OIL CO. LEASE: MOBIL FEDERAL

WELL NO 1 1650' FNL & 330' FWL SEC-21 T-19-S R-32-E
FOOTAGE LOCATION SECTION TOWNSHIP RANGE



WELL CONSTRUCTION DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 475 SX
TOC: Surface FEET DETERMINED BY: Circulated
HOLE SIZE: 17-1/2 INCHES

2. INTERMIDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 860 SX
TOC: Surface FEET DETERMINED BY: Circulated
HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 875 SX
TOC: 4248 FEET DETERMINED BY: Temp. Survey
HOLE SIZE: 7-7/8 INCHES

4. INJECTION INTERVAL 6469 FEET TO: 6479 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

5. TOTAL DEPTH: 6700 FEET

6. TUBING SIZE

SIZE: 2-7/8 INCHES LINED WITH: IPC 505 - PLASTIC COATING
SET IN A: ARROW SET 1-XS, PKR PACKER AT: 6400 FEET

OTHER DATA

A. IS THIS A NEW WELL DRILLED FOR INJECTION? YES NO
IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED? PRODUCING OIL AND GAS WELL

B. NAME THE INJECTION FORMATION: 6400' SAND (BRUSHY CANYON)

C. NAME THE FIELD OR POOL (IF APPLICABLE) LUSK WEST (DELAWARE)

D. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USE YES 4/92 PERFS 4904', 4984'-5006', 5012'-5040' CIBP @ 5183'
5/92 PERFS 4874'-4892' CIBP @ 4940', CURRENTLY PRODUCING FROM U. DELAWARE PERFS 4874'-4892'

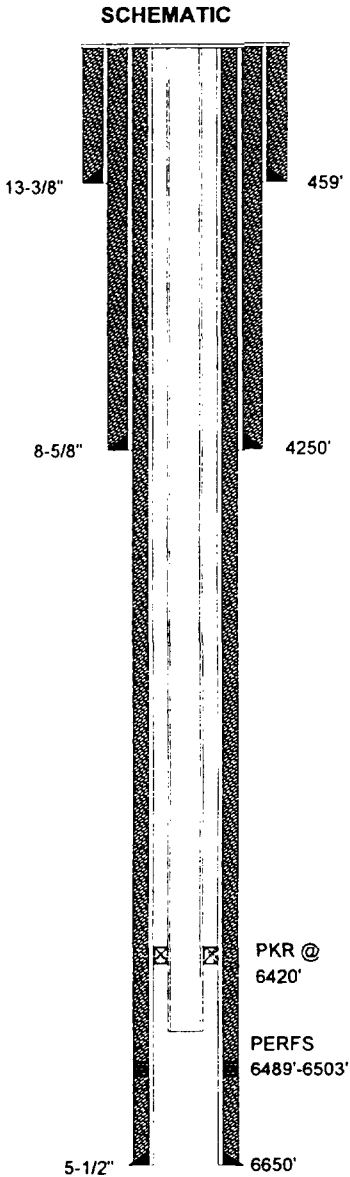
E. GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA:

1. YATES 2600'-2800'	WATKINS YATES N.E. LUSK YATES S. LUSK YATES	5. STRAWN 11000'-11200'	LUSK STRAWN OIL
2. DELAWARE 4600'-7100'	W. LUSK DELAWARE LUSK DELAWARE	6. ATOKA 11200'-11400'	LUSK ATOKA GAS
3. BONE SPRING 8200'-8950'	WATKINS BONE SPRING LUSK BONE SPRING S. LUSK BONE SPRING E. LUSK BONE SPRING	7. MORROW 11500'-12000'	LUSK MORROW GAS N.W. LUSK MORROW GAS N. LUSK MORROW GAS
4. WOLF CAMP 10100'-10700'	LUSK WOLFCAMP OIL E. LUSK WOLFCAMP OIL S. LUSK WOLFCAMP OIL		

PROPOSED INJECTION WELL DATA SHEET

OPERATOR: SHACKELFORD OIL CO. LEASE: AMOCO FEDERAL

WELL NO 2 990' FNL & 1650' FWL SEC-21 T-19-S R-32-E
FOOTAGE LOCATION SECTION TOWNSHIP RANGE



WELL CONSTRUCTION DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 475 SX
TOC: Surface FEET DETERMINED BY: Circulated
HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 100 SX
TOC: Surface FEET DETERMINED BY: Circulated
HOLE SIZE: 12-1/4 INCHES
NOTE: PULLED 3088' 8-8/5" CSG

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 2250 SX
TOC: Surface FEET DETERMINED BY: Circulated
HOLE SIZE: 7-7/8 INCHES
NOTE: PUMPED 1575 SXS CMT FROM TOPSIDE

4. INJECTION INTERVAL 6489 FEET TO: 6503 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

5. TOTAL DEPTH: 6700 FEET

6. TUBING SIZE

SIZE: 2-7/8 INCHES LINED WITH: IPC 505 - PLASTIC COATING
SET IN A: ARROW SET 1-XS, PKR PACKER AT: 6420 FEET:

OTHER DATA

A. IS THIS A NEW WELL DRILLED FOR INJECTION? YES NO
IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED? PRODUCING OIL AND GAS WELL

B. NAME THE INJECTION FORMATION: 6400' SAND (BRUSHY CANYON)

C. NAME THE FIELD OR POOL (IF APPLICABLE) LUSK WEST (DELAWARE)

D. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USE YES 3/92 PERFS 4856'-4867' W/CIBP @ 4995' CURRENTLY PRODUCING FROM
U. DELAWARE PERFS 4856'-4867' PLAN TO SQZ OFF U. DELAWARE CONVERT TO WIW IN 6469'-6503' PERFS

E. GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA:

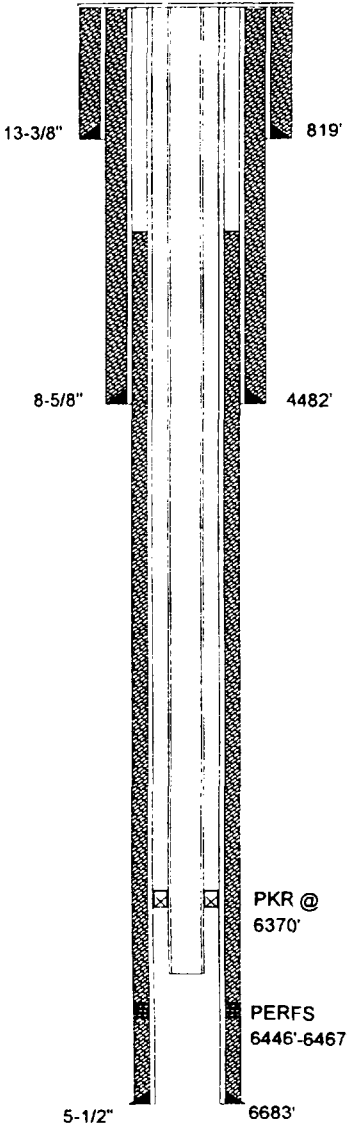
1. YATES 2600'-2800'	WATKINS YATES N.E. LUSK YATES S. LUSK YATES	5. STRAWN 11000'-11200'	LUSK STRAWN OIL
2. DELAWARE 4600'-7100'	W. LUSK DELAWARE LUSK DELAWARE	6. ATOKA 11200'-11400'	LUSK ATOKA GAS
3. BONE SPRING 8200'-8950'	WATKINS BONE SPRING LUSK BONE SPRING S. LUSK BONE SPRING E. LUSK BONE SPRING	7. MORROW 11500'-12000'	LUSK MORROW GAS N.W. LUSK MORROW GAS N. LUSK MORROW GAS
4. WOLF CAMP 10100'-10700'	LUSK WOLFCAMP OIL E. LUSK WOLFCAMP OIL S. LUSK WOLFCAMP OIL		

PROPOSED INJECTION WELL DATA SHEET

OPERATOR: Parker & Parsley Development L.P. LEASE: LUSK DEEP UNIT "A"

WELL NO 12 FOOTAGE LOCATION 1660' FNL & 2300' FEL SEC-20 T-19-S R-32-E

SCHEMATIC



WELL CONSTRUCTION DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 500 sx
TOC: Surface FEET DETERMINED BY: Circulated
HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 1650 sx
TOC: 1350 FEET DETERMINED BY: Temp. Survey
HOLE SIZE: 11 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 800 sx
TOC: 2710 FEET DETERMINED BY: Temp. Survey
HOLE SIZE: 7-7/8 INCHES

4. INJECTION INTERVAL 6446 FEET TO: 6467 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

5. TOTAL DEPTH: 6700 FEET

6. TUBING SIZE

SIZE: 2-7/8 INCHES LINED WITH: IPC 505 - PLASTIC COATING
SET IN A: ARROW SET 1-XS, PKR PACKER AT: 6370 FEET:

OTHER DATA

A. IS THIS A NEW WELL DRILLED FOR INJECTION? YES NO
IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED? PRODUCING OIL AND GAS WELL

COMMENT: SPUD WELL 11/2/74. P&A WELLBORE 8/27/86. RE-ENTRY 4/12/89

B. NAME THE INJECTION FORMATION: 6400' SAND (BRUSHY CANYON)
C. NAME THE FIELD OR POOL (IF APPLICABLE) LUSK WEST (DELAWARE)
D. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. PERFS 8839'-8914' CIBP AT 8800' W/5, SX, CMT/TOP, PERFS 10680'-10708',
CIBP AT 10640' W/5, SX, CMT/TOP, PERFS 11460'-11581', CIBP AT 11430' W/5, SX, CMT/TOP, CIBP AT 12212' W/20, SX, CMT/TOP

E. GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA.

1. YATES 2600'-2800'	WATKINS YATES N.E. LUSK YATES S. LUSK YATES	5. STRAWN 11000'-11200'	LUSK STRAWN OIL
2. DELAWARE 4600'-7100'	W. LUSK DELAWARE LUSK DELAWARE	6. ATOKA 11200'-11400'	LUSK ATOKA GAS
3. BONE SPRING 8200'-8950'	WATKINS BONE SPRING LUSK BONE SPRING S. LUSK BONE SPRING E. LUSK BONE SPRING	7. MORROW 11500'-12000'	LUSK MORROW GAS N.W. LUSK MORROW GAS N. LUSK MORROW GAS
4. WOLF CAMP 10100'-10700'	LUSK WOLFCAMP OIL E. LUSK WOLFCAMP OIL S. LUSK WOLFCAMP OIL		

PROPOSED INJECTION WELL DATA SHEET

OPERATOR:

Parker & Parsley
Development L.P.

LEASE:

LUSK DEEP UNIT "A"

WELL NO

17

330' FNL & 330' FEL

SEC-20

T-19-S

R-32-E

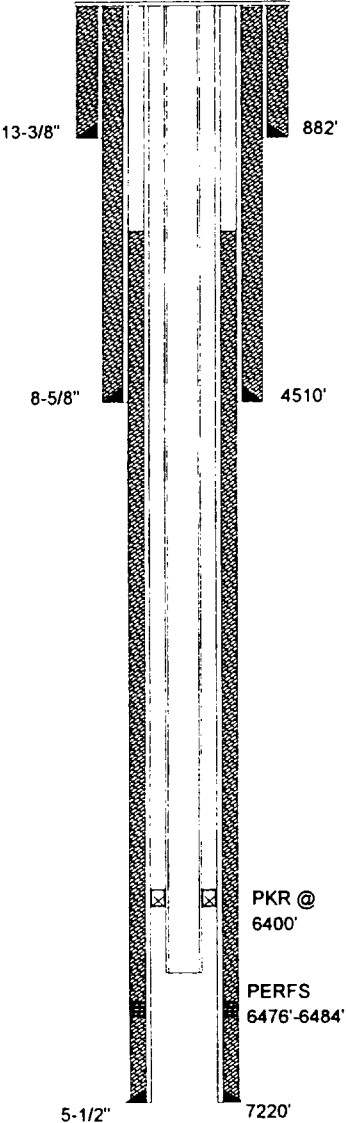
FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

SCHEMATIC



WELL CONSTRUCTION DATA

1. SUFACE CASING

SIZE:

13-3/8

INCHES

CEMENTED WITH:

1000

SX

TOC:

Surface

FEET DETERMINED BY:

Circulated

HOLE SIZE:

17-1/2

INCHES

2. INTERMEDIATE CASING

SIZE:

8-5/8

INCHES

CEMENTED WITH:

1450

SX

TOC:

Surface

FEET DETERMINED BY:

Circulated

HOLE SIZE:

12-1/4

INCHES

3. LONG STRING

SIZE:

5-1/2

INCHES

CEMENTED WITH:

800

SX

TOC:

2790

FEET DETERMINED BY:

CALCULATED

HOLE SIZE:

7-7/8

INCHES

4. INJECTION INTERVAL

6476

FEET TO:

6484

FEET

(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

"PERFORATED"

5. TOTAL DEPTH:

7224

FEET

6. TUBING SIZE

SIZE:

2-7/8

INCHES

LINED WITH:

IPC 505 - PLASTIC COATING

SET IN A:

ARROW SET 1-XS, PKR

PACKER AT:

6400

FEET:

OTHER DATA

A.

IS THIS A NEW WELL DRILLED FOR INJECTION?

YES

X

NO

IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED?

PRODUCING OIL AND GAS WELL

B.

NAME THE INJECTION FORMATION:

6400' SAND (BRUSHY CANYON)

C.

NAME THE FIELD OR POOL (IF APPLICABLE)

LUSK WEST (DELAWARE)

D.

HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED.

NO

E.

GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA:

1. YATES 2600'-2800'	WATKINS YATES N.E. LUSK YATES S. LUSK YATES	5. STRAWN 11000'-11200'	LUSK STRAWN OIL
2. DELAWARE 4600'-7100'	W. LUSK DELAWARE LUSK DELAWARE	6. ATOKA 11200'-11400'	LUSK ATOKA GAS
3. BONE SPRING 8200'-8950'	WATKINS BONE SPRING LUSK BONE SPRING S. LUSK BONE SPRING E. LUSK BONE SPRING	7. MORROW 11500'-12000'	LUSK MORROW GAS N.W. LUSK MORROW GAS N. LUSK MORROW GAS
4. WOLF CAMP 10100'-10700'	LUSK WOLFCAMP OIL E. LUSK WOLFCAMP OIL S. LUSK WOLFCAMP OIL		

PROPOSED INJECTION WELL DATA SHEET

OPERATOR:

Parker & Parsley
Development L.P.

LEASE:

LUSK DEEP UNIT "A"

WELL NO

20

FOOTAGE LOCATION

660' FEL & 2310' FSL

SECTION

SEC-20

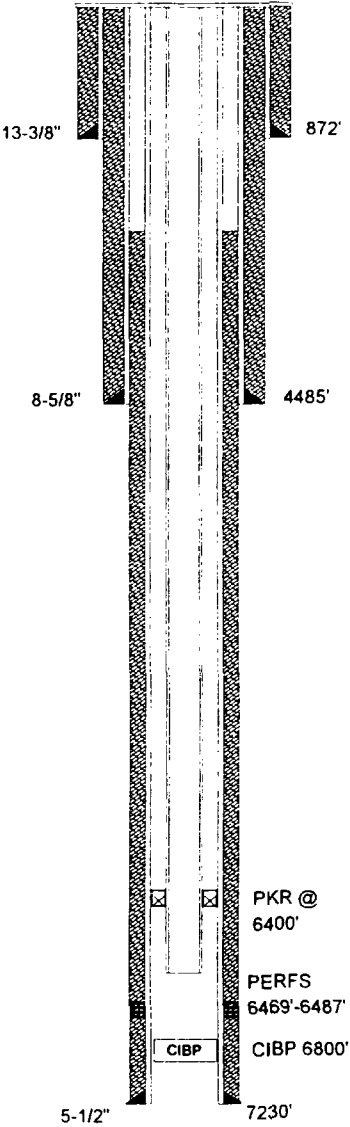
TOWNSHIP

T-19-S

RANGE

R-32-E

SCHEMATIC



WELL CONSTRUCTION DATA

1. SUFACE CASING

SIZE:

13-3/8

INCHES

CEMENTED WITH:

900

SX

TOC:

Surface

FEET DETERMINED BY:

Circulated

HOLE SIZE:

17-1/2

INCHES

2. INTERMEDIATE CASING

SIZE:

8-5/8

INCHES

CEMENTED WITH:

2350

SX

TOC:

Surface

FEET DETERMINED BY:

Circulated

HOLE SIZE:

12-1/4

INCHES

3. LONG STRING

SIZE:

5-1/2

INCHES

CEMENTED WITH:

800

SX

TOC:

3030

FEET DETERMINED BY:

Temp. Survey

HOLE SIZE:

7-7/8

INCHES

4. INJECTION INTERVAL

6469

FEET TO:

6487

FEET

(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

"PERFORATED"

5. TOTAL DEPTH:

7230

FEET

6. TUBING SIZE

SIZE:

2-7/8

INCHES

LINED WITH:

IPC 505 - PLASTIC COATING

SET IN A:

ARROW SET 1-XS, PKR

PACKER AT:

6400

FEET:

OTHER DATA

A. IS THIS A NEW WELL DRILLED FOR INJECTION?

YES

X

NO

IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED?

PRODUCING OIL AND GAS WELL

B. NAME THE INJECTION FORMATION:

6400' SAND (BRUSHY CANYON)

C. NAME THE FIELD OR POOL (IF APPLICABLE)

LUSK WEST (DELAWARE)

D. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED.

PERFS 7050'-7154, SET CIBP, WITH 4 SK. CMT. ON TOP AT 6800'

E. GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA:

1. YATES 2600'-2800'	WATKINS YATES N.E. LUSK YATES S. LUSK YATES	5. STRAWN 11000'-11200'	LUSK STRAWN OIL
2. DELAWARE 4600'-7100'	W. LUSK DELAWARE LUSK DELAWARE	6. ATOKA 11200'-11400'	LUSK ATOKA GAS
3. BONE SPRING 8200'-8950'	WATKINS BONE SPRING LUSK BONE SPRING S. LUSK BONE SPRING E. LUSK BONE SPRING	7. MORROW 11500'-12000'	LUSK MORROW GAS N.W. LUSK MORROW GAS N. LUSK MORROW GAS
4. WOLF CAMP 10100'-10700'	LUSK WOLFCAMP OIL E. LUSK WOLFCAMP OIL S. LUSK WOLFCAMP OIL		

PROPOSED INJECTION WELL DATA SHEET

OPERATOR:SHACKELFORD OIL CO.

LEASE:MOBIL FEDERAL

WELL NO4

1650' FWL & 2310' FSL

SEC-21

T-19-S

R-32-E

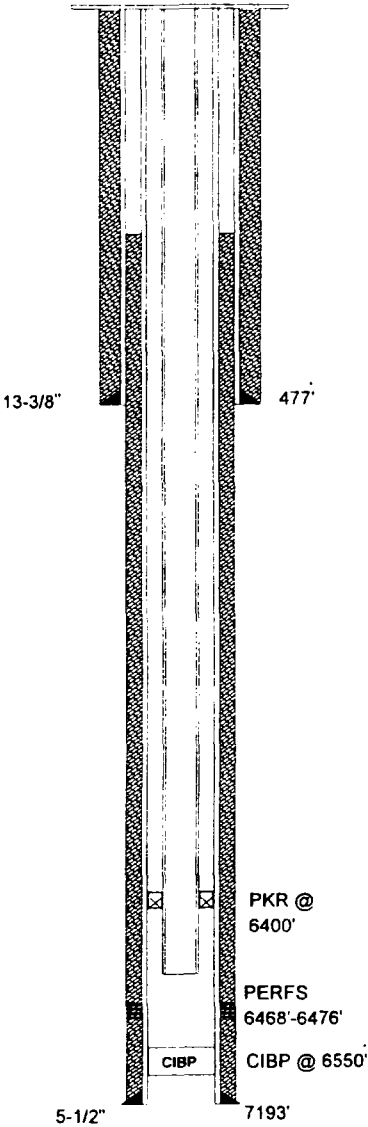
FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

SCHEMATIC



WELL CONSTRUCTION DATA

1. SUFACE CASING

SIZE:13-3/8INCHESCEMENTED WITH:475sx

TOC:SurfaceFEET DETERMINED BY:Circulated

HOLE SIZE:17-1/2INCHES

2. INTERMEDIATE CASING

SIZE:N/AINCHESCEMENTED WITH:N/Asx

TOC:N/AFEET DETERMINED BY:N/A

HOLE SIZE:N/AINCHES

3. LONG STRING

SIZE:5-1/2INCHESCEMENTED WITH:2620sx

TOC:SurfaceFEET DETERMINED BY:Circulated

NOTE:1" PLUG TO 1336' CMT'D W/720 SXS TO CIRCULATE.

HOLE SIZE:7-7/8INCHES

4. INJECTION INTERVAL6468 FEET TO:6476 FEET

(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

"PERFORATED"

5. TOTAL DEPTH:7230 FEET

6. TUBING SIZE

SIZE:2-7/8INCHESLINED WITH:IPC 505 - PLASTIC COATING

SET IN A:ARROW SET 1-XS, PKRPACKER AT:6400 FEET:

OTHER DATA

A. IS THIS A NEW WELL DRILLED FOR INJECTION? YESNO

IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED?PRODUCING OIL AND GAS WELL

B. NAME THE INJECTION FORMATION:6400' SAND (BRUSHY CANYON)

C. NAME THE FIELD OR POOL (IF APPLICABLE)LUSK WEST (DELAWARE)

D. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED.NO

E. GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA:

1. YATES 2600'-2800'

WATKINS YATES

N.E. LUSK YATES

S. LUSK YATES

5. STRAWN 11000'-11200'

LUSK STRAWN OIL

2. DELAWARE 4600'-7100'

W. LUSK DELAWARE

LUSK DELAWARE

6. ATOKA 11200'-11400'

LUSK ATOKA GAS

3. BONE SPRING 8200'-8950'

WATKINS BONE SPRING

LUSK BONE SPRING

S. LUSK BONE SPRING

E. LUSK BONE SPRING

7. MORROW 11500'-12000'

LUSK MORROW GAS

N.W. LUSK MORROW GAS

N. LUSK MORROW GAS

4. WOLF CAMP 10100'-10700'

LUSK WOLFCAMP OIL

E. LUSK WOLFCAMP OIL

S. LUSK WOLFCAMP OIL

FORM C-108
SECTION III
APPLICATION FOR AUTHORIZATION
TO INJECT
Parker & Parsley
Development L.P.
WATER INJECTION WELL

WELL DATA SHEET

SHACKELFORD OIL

MOBIL FEDERAL

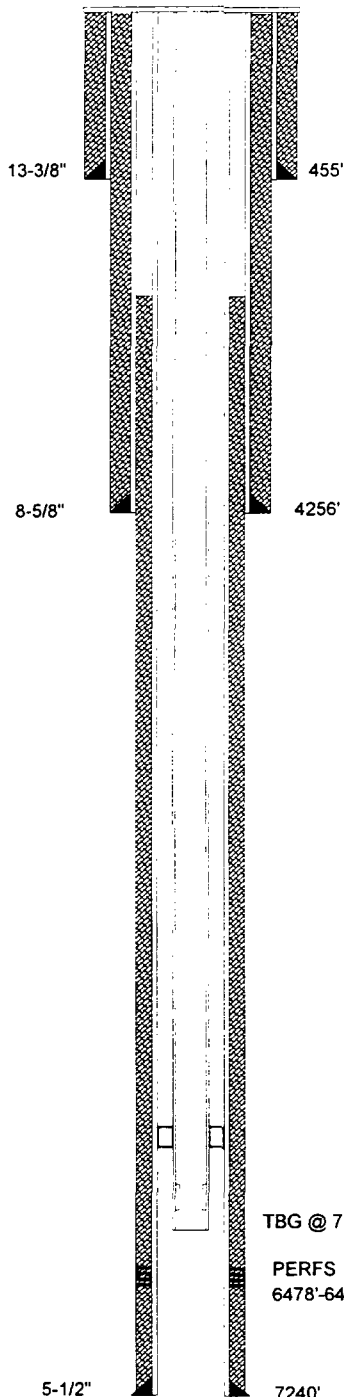
OPERATOR

LEASE

3	2310' FSL & 330' FWL	SEC-21	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PRODUCING OIL AND GAS WELL SPUD DATE: 10/25/89

SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 475 SX
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 1090 SX
 TOC: 150 FEET DETERMINED BY: Temp. Survey
 HOLE SIZE: 11 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 1000 SX
 TOC: 3240 FEET DETERMINED BY: Calculated
 HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 7240 FEET

5. PERFORATIONS

6478 FEET TO: 6485 FEET
 (PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

SHACKELFORD OIL

PLAINS UNIT

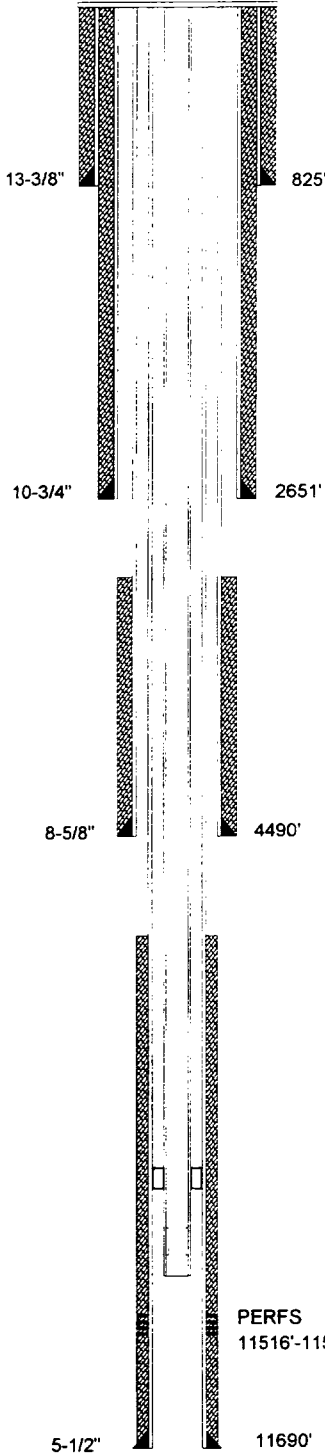
OPERATOR

LEASE

6	1980' FSL & 660' FWL	SEC-21	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PRODUCING OIL AND GAS WELL **SPUD DATE:** 7/10/96

SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 750 **SX**
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 10-3/4 INCHES CEMENTED WITH: 700 **SX**
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 12-1/4 INCHES

3. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 275 **SX**
 TOC: 3335 FEET DETERMINED BY: Calculated
 HOLE SIZE: 11 INCHES

4. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 200 **SX**
 TOC: 10714 FEET DETERMINED BY: Calculated
 HOLE SIZE: 7-7/8 INCHES

5. TOTAL DEPTH: 11690 FEET

6. PERFORATIONS

11516 FEET TO: 11530 FEET
 (PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

**FORM C-108
 SECTION VI
 APPLICATION FOR AUTHORIZATION
 TO INJECT**

**Parker & Parsley
 Development L.P.**

**WATER INJECTION WELL
 TABULATION OF WELL DATA**

WELL DATA SHEET

RAY WESTALL OPERATING CORP.

LUSK "16" STATE

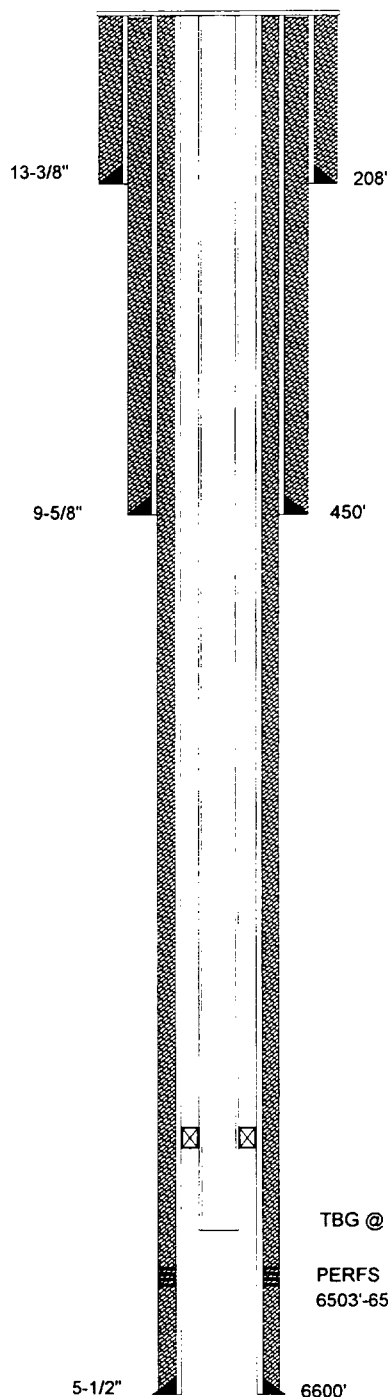
OPERATOR

LEASE

1	660' FSL & 660' FWL	SEC-16	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PRODUCING OIL AND GAS WELL SPUD DATE: 3/9/62

SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 125 **SX**

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 9-5/8 INCHES CEMENTED WITH: 500 **SX**

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 11 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 3475 **SX**

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 6600 FEET

5. PERFORATIONS

6503 FEET TO: 6509 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

**FORM C-108
SECTION VI**

**APPLICATION FOR AUTHORIZATION
TO INJECT**

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

SHACKELFORD OIL

AMOCO FEDERAL

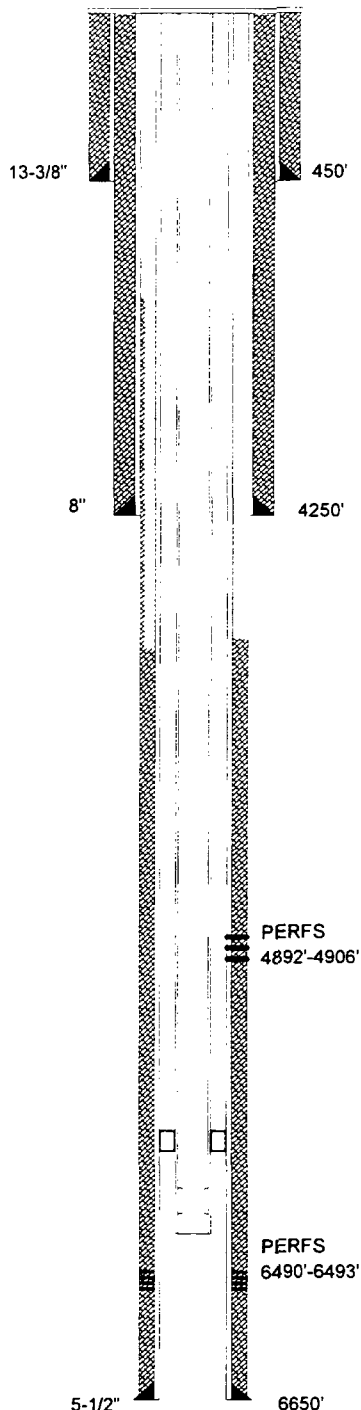
OPERATOR

LEASE

1	660' FNL & 330' FWL	SEC-21	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PRODUCING OIL AND GAS WELL **SPUD DATE:** 9/23/88

SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 475 **SX**

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8 INCHES CEMENTED WITH: 2150 **SX**

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 11 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 525 **SX**

TOC: 4550 FEET DETERMINED BY: Temp. Survey

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 6650 FEET

5. PERFORATIONS

6490 FEET TO: 6493 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

**FORM C-108
SECTION VI**

**APPLICATION FOR AUTHORIZATION
TO INJECT**

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

SHACKELFORD OIL

MOBIL FEDERAL

OPERATOR

LEASE

2

1650' FNL & 1650' FWL

SEC-21

T-19-S

R-32-E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

TYPE OF WELL:

PRODUCING OIL AND GAS WELL

SPUD DATE:

8/30/88

SCHMATIC

TABULAR DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 475 sx

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: N/A INCHES CEMENTED WITH: N/A sx

TOC: N/A FEET DETERMINED BY: N/A

HOLE SIZE: N/A INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 165 sx

TOC: 5997 FEET DETERMINED BY: Calculation

HOLE SIZE: 11 & 7-7/8 INCHES

4. TOTAL DEPTH: 6690 FEET

5. PERFORATIONS

6490 FEET TO: 6495 FEET

(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

"PERFORATED"

13-3/8"

454'

PERFS
6490-6495

5-1/2"

6690'

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

Parker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

**Parker & Parsley
Development L.P.**

LUSK DEEP UNIT "A"

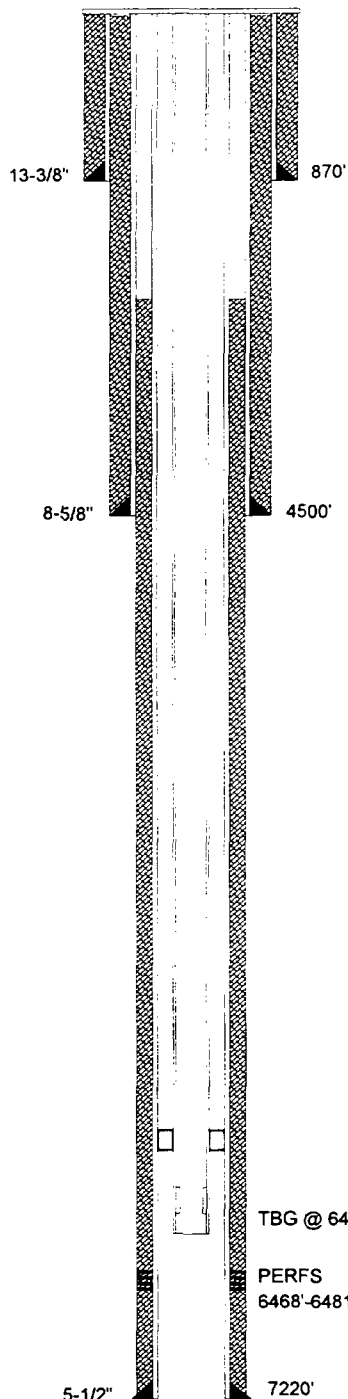
OPERATOR

LEASE

19	330' FNL & 1656' FEL	SEC-20	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PRODUCING OIL AND GAS WELL SPUD DATE: 1/26/90

SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 1000 sx
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 3230 sx
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 900 sx
 TOC: 1630 FEET DETERMINED BY: Temp. Survey
 HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 7220 FEET

5. PERFORATIONS

6468 FEET TO: 6481 FEET
 (PERFORATED OR OPEN HOLE ; INDICATE WHICH)
 "PERFORATED"

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

**Parker & Parsley
Development L.P.**

LUSK DEEP "A"

OPERATOR

LEASE

15

1651' FNL & 330' FEL

SEC-20

T-19-S

R-32-E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

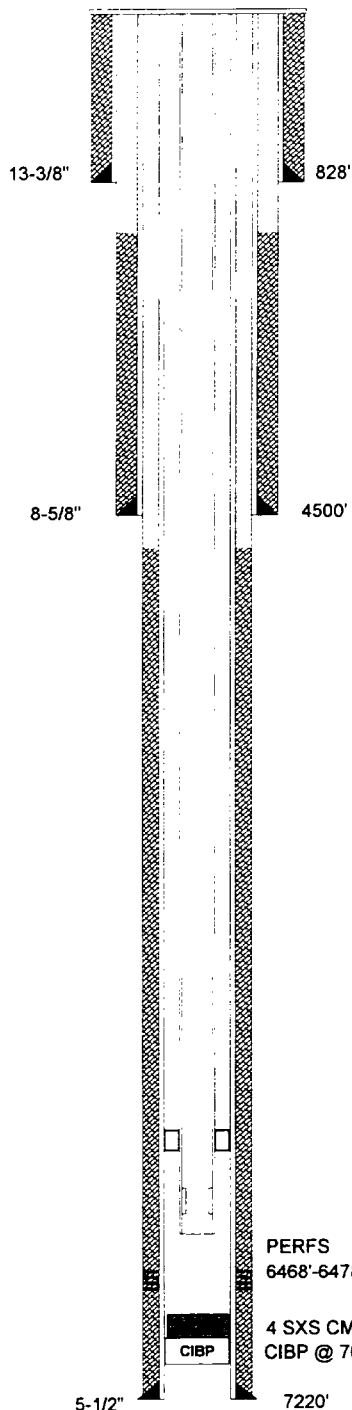
TYPE OF WELL:

PRODUCING OIL AND GAS WELL

SPUD DATE:

11/22/88

SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 1000 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 700 SX

TOC: 2370 FEET DETERMINED BY: Temp. Survey

HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 600 SX

TOC: 4690 FEET DETERMINED BY: Temp. Survey

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 7220 FEET

5. PERFORATIONS

6468 FEET TO: 6478 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

MARBOB ENERGY CORP.

AQUEDUCT AGG FEDERAL

OPERATOR

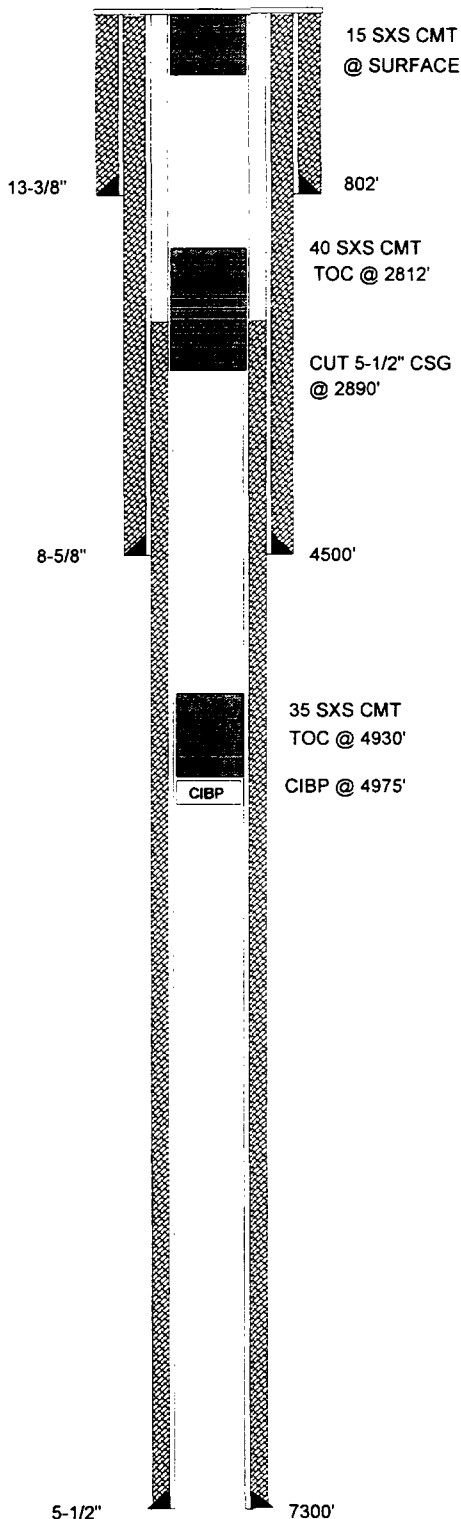
LEASE

1	330' FSL & 330' FEL	SEC-17	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PLUGGED & ABANDONED SPUD DATE: 6/11/89

SCHEMATIC

TABULAR DATA



1. SURFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 800 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 2950 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 975 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 7300 FEET

5. PERFORATIONS

6486 FEET TO: 6498 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?
LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NONE

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

Parker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

SHACKELFORD OIL

LYNCH

OPERATOR

LEASE

2	1980' FSL & 660' FWL	SEC-21	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PLUGGED & ABANDONED SPUD DATE: 4/11/42

SCHEMATIC

TABULAR DATA

1. SURFACE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 50 SX
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 11 INCHES

2. INTERMEDIATE CASING

SIZE: N/A INCHES CEMENTED WITH: N/A SX
 TOC: N/A FEET DETERMINED BY: N/A
 HOLE SIZE: N/A INCHES

3. LONG STRING

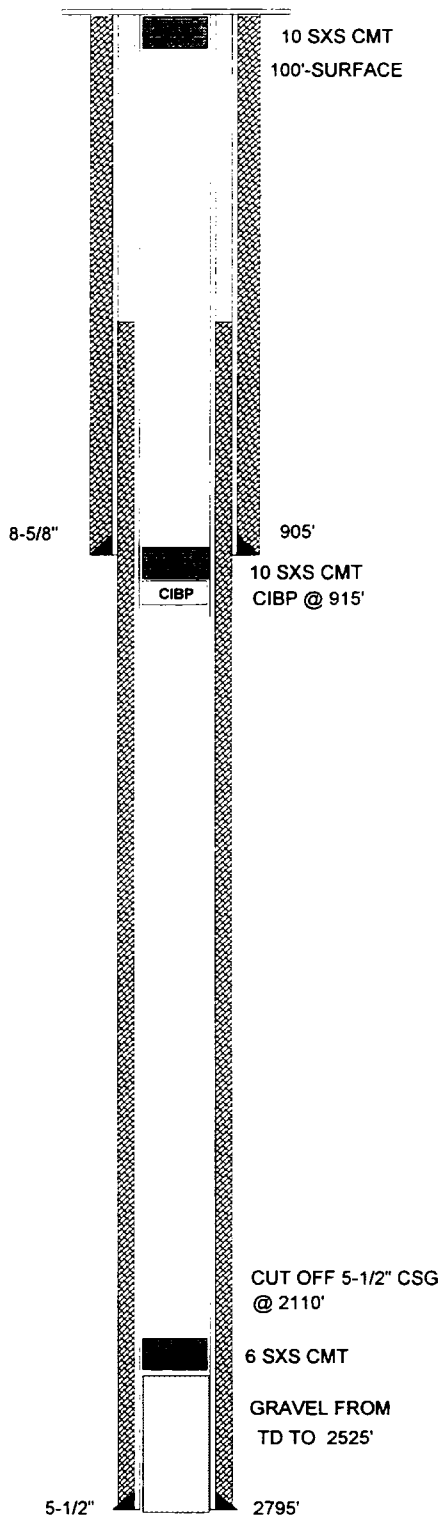
SIZE: 5-1/2 INCHES CEMENTED WITH: 100 SX
 TOC: 2400 FEET DETERMINED BY: Temp. Survey
 HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 2820 FEET

5. PERFORATIONS

2680 FEET TO: 2955 FEET
 (PERFORATED OR OPEN HOLE ; INDICATE WHICH)
PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?
LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NONE



FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

Parker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

SHACKELFORD OIL

PLAINS FEDERAL

OPERATOR

LEASE

4

1930' FSL & 660' FWL

SEC-21

T-19-S

R-32-E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

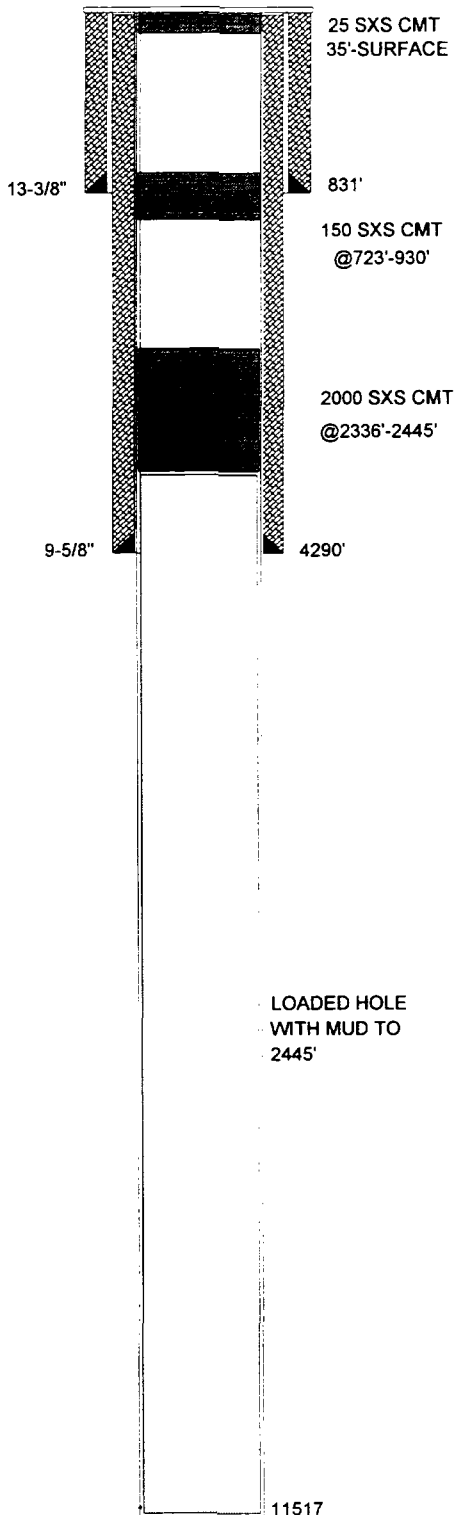
TYPE OF WELL:

PLUGGED & ABANDONED

SPUD DATE:

9/12/63

SCHEMATIC



TABULAR DATA

1. SURFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 725 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 9-5/8 INCHES CEMENTED WITH: 1000 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 11 INCHES

3. LONG STRING

SIZE: N/A INCHES CEMENTED WITH: N/A SX

TOC: N/A FEET DETERMINED BY: N/A

HOLE SIZE: INCHES

4. TOTAL DEPTH: 11517 FEET

5. PERFORATIONS

N/A FEET TO: N/A FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?
LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NONE

FORM C-108
SECTION VI

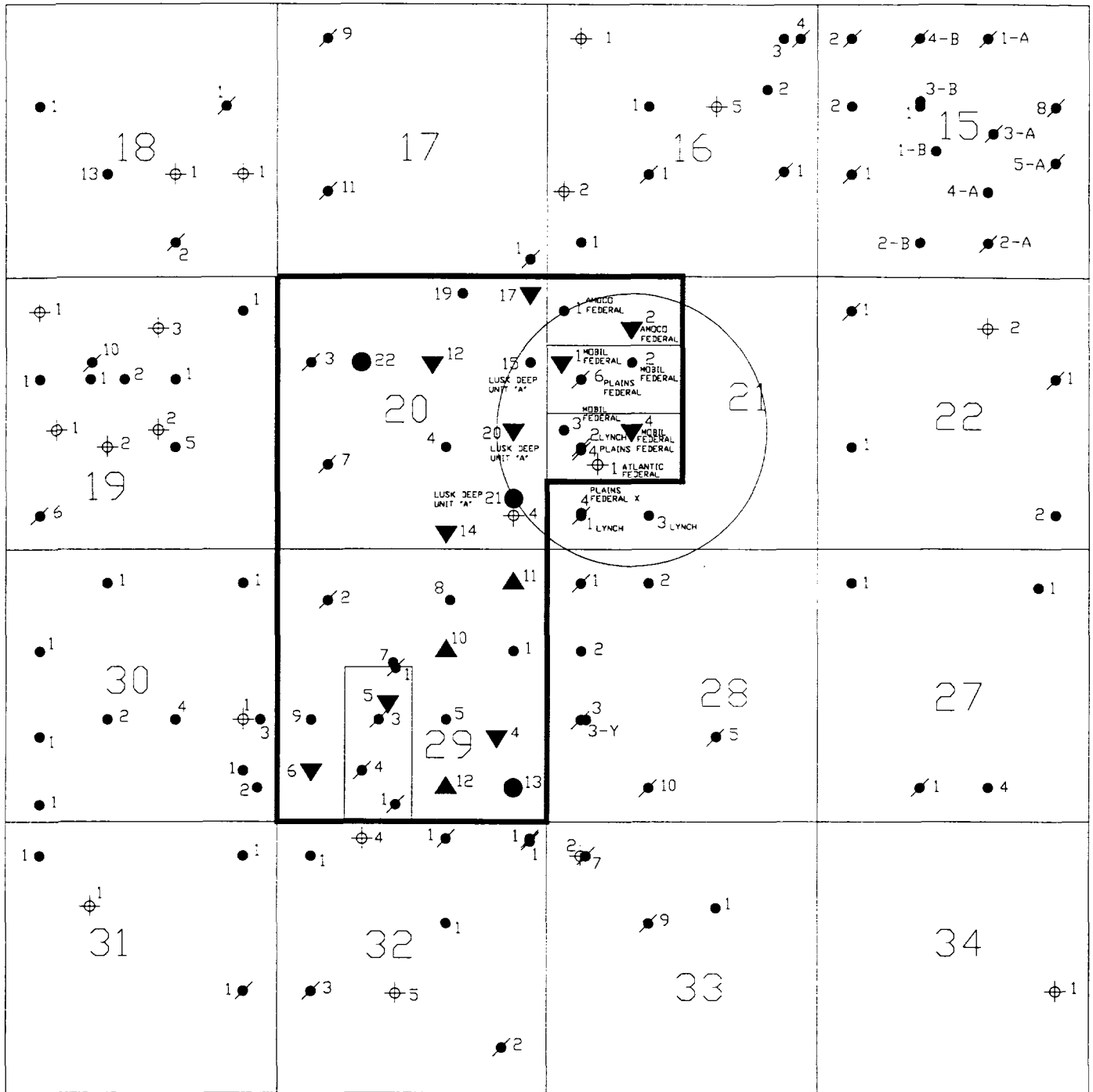
APPLICATION FOR AUTHORIZATION
TO INJECT

Parker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

SECTION V

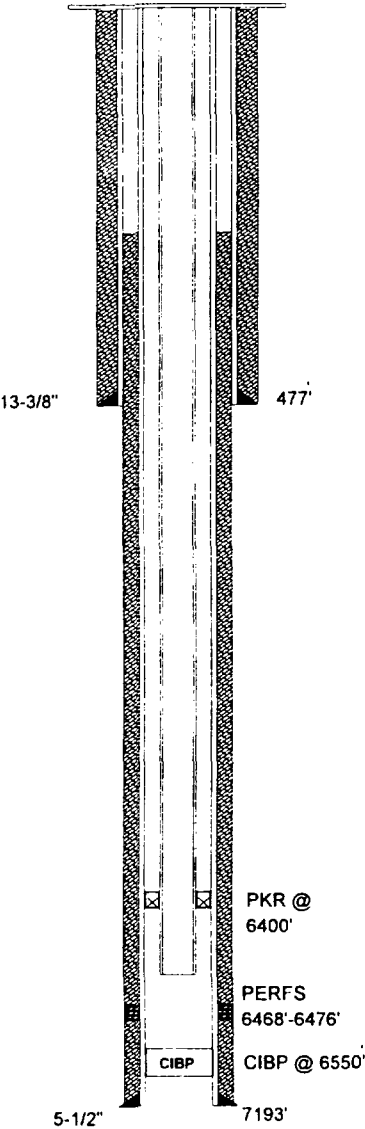


PROPOSED INJECTION WELL DATA SHEET

OPERATOR: SHACKELFORD OIL CO. LEASE: MOBIL FEDERAL

WELL NO 4 1650' FWL & 2310' FSL SEC-21 T-19-S R-32-E
FOOTAGE LOCATION SECTION TOWNSHIP RANGE

SCHEMATIC



WELL CONSTRUCTION DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 475 SX
TOC: Surface FEET DETERMINED BY: Circulated
HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: N/A INCHES CEMENTED WITH: N/A SX
TOC: N/A FEET DETERMINED BY: N/A
HOLE SIZE: N/A INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 2620 SX
TOC: Surface FEET DETERMINED BY: Circulated
NOTE: 1" PLUG TO 1336' CMTD W/720 SXS TO CIRCULATE.
HOLE SIZE: 7-7/8 INCHES

4. INJECTION INTERVAL 6468 FEET TO: 6476 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

5. TOTAL DEPTH: 7230 FEET

6. TUBING SIZE

SIZE: 2-7/8 INCHES LINED WITH: IPC 505 - PLASTIC COATING
SET IN A: ARROW SET 1-XS, PKR PACKER AT: 6400 FEET:

OTHER DATA

A. IS THIS A NEW WELL DRILLED FOR INJECTION? YES NO
IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED? PRODUCING OIL AND GAS WELL

B. NAME THE INJECTION FORMATION: 6400' SAND (BRUSHY CANYON)
C. NAME THE FIELD OR POOL (IF APPLICABLE) LUSK WEST (DELAWARE)
D. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NO

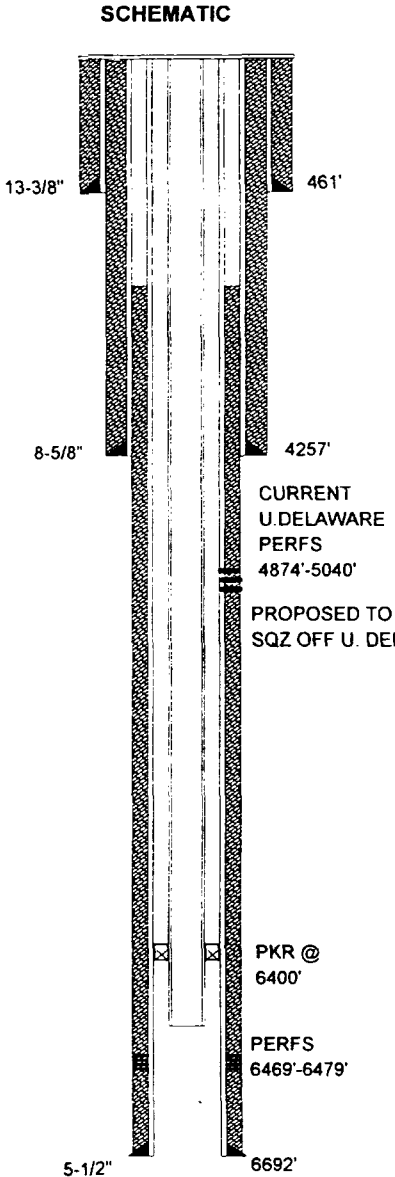
E. GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA:

1. YATES 2600'-2800'	WATKINS YATES N.E. LUSK YATES S. LUSK YATES	5. STRAWN 11000'-11200'	LUSK STRAWN OIL
2. DELAWARE 4600'-7100'	W. LUSK DELAWARE LUSK DELAWARE	6. ATOKA 11200'-11400'	LUSK ATOKA GAS
3. BONE SPRING 8200'-8950'	WATKINS BONE SPRING LUSK BONE SPRING S. LUSK BONE SPRING E. LUSK BONE SPRING	7. MORROW 11500'-12000'	LUSK MORROW GAS N.W. LUSK MORROW GAS N. LUSK MORROW GAS
4. WOLF CAMP 10100'-10700'	LUSK WOLFCAMP OIL E. LUSK WOLFCAMP OIL S. LUSK WOLFCAMP OIL		

PROPOSED INJECTION WELL DATA SHEET

OPERATOR: SHACKELFORD OIL CO. LEASE: MOBIL FEDERAL

WELL NO 1 FOOTAGE LOCATION 1650' FNL & 330' FWL SECTION SEC-21 TOWNSHIP T-19-S RANGE R-32-E



WELL CONSTRUCTION DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 475 SX
TOC: Surface FEET DETERMINED BY: Circulated
HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 860 SX
TOC: Surface FEET DETERMINED BY: Circulated
HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 875 SX
TOC: 4248 FEET DETERMINED BY: Temp. Survey
HOLE SIZE: 7-7/8 INCHES

4. INJECTION INTERVAL 6469 FEET TO: 6479 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

5. TOTAL DEPTH: 6700 FEET

6. TUBING SIZE

SIZE: 2-7/8 INCHES LINED WITH: IPC 505 - PLASTIC COATING
SET IN A: ARROW SET 1-XS, PKR PACKER AT: 6400 FEET:

OTHER DATA

A. IS THIS A NEW WELL DRILLED FOR INJECTION? YES NO
IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED? PRODUCING OIL AND GAS WELL

B. NAME THE INJECTION FORMATION: 6400' SAND (BRUSHY CANYON)

C. NAME THE FIELD OR POOL (IF APPLICABLE) LUSK WEST (DELAWARE)

D. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USE YES 4/92 PERFS 4904', 4984'-5006', 5012'-5040' CIBP @ 5183'
5/92 PERFS 4874'-4892' CIBP @ 4940', CURRENTLY PRODUCING FROM U. DELAWARE PERFS 4874'-4892'

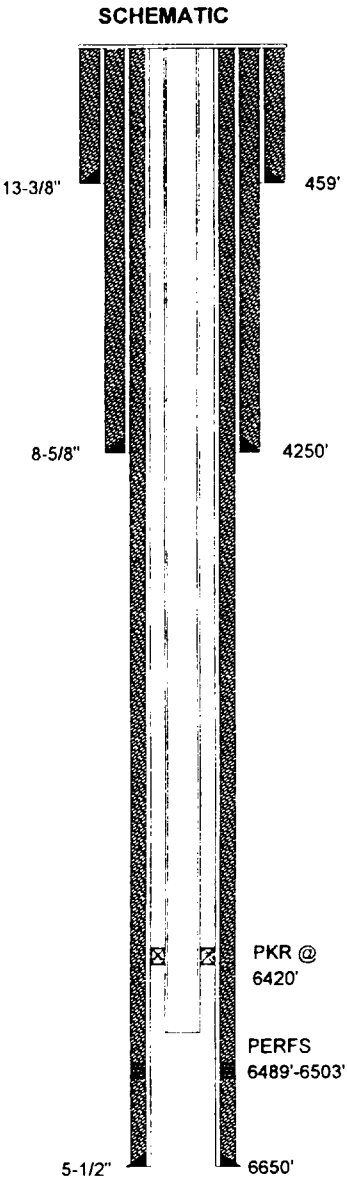
E. GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA:

1. YATES 2600'-2800'	WATKINS YATES N.E. LUSK YATES S. LUSK YATES	5. STRAWN 11000'-11200'	LUSK STRAWN OIL
2. DELAWARE 4600'-7100'	W. LUSK DELAWARE LUSK DELAWARE	6. ATOKA 11200'-11400'	LUSK ATOKA GAS
3. BONE SPRING 8200'-8950'	WATKINS BONE SPRING LUSK BONE SPRING S. LUSK BONE SPRING E. LUSK BONE SPRING	7. MORROW 11500'-12000'	LUSK MORROW GAS N.W. LUSK MORROW GAS N. LUSK MORROW GAS
4. WOLF CAMP 10100'-10700'	LUSK WOLFCAMP OIL E. LUSK WOLFCAMP OIL S. LUSK WOLFCAMP OIL		

PROPOSED INJECTION WELL DATA SHEET

OPERATOR: SHACKELFORD OIL CO. LEASE: AMOCO FEDERAL

WELL NO 2 990' FNL & 1650' FWL SEC-21 T-19-S R-32-E
FOOTAGE LOCATION SECTION TOWNSHIP RANGE



WELL CONSTRUCTION DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 475 SX
TOC: Surface FEET DETERMINED BY: Circulated
HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 100 SX
TOC: Surface FEET DETERMINED BY: Circulated
HOLE SIZE: 12-1/4 INCHES

NOTE: PULLED 3088' 8-8/5" CSG

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 2250 SX
TOC: Surface FEET DETERMINED BY: Circulated
HOLE SIZE: 7-7/8 INCHES

NOTE: PUMPED 1575 SXS CMT FROM TOPSIDE

4. INJECTION INTERVAL 6489 FEET TO: 6503 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

5. TOTAL DEPTH: 6700 FEET

6. TUBING SIZE

SIZE: 2-7/8 INCHES LINED WITH: IPC 505 - PLASTIC COATING
SET IN A: ARROW SET 1-XS, PKR PACKER AT: 6420 FEET:

OTHER DATA

A. IS THIS A NEW WELL DRILLED FOR INJECTION? YES NO
IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED? PRODUCING OIL AND GAS WELL

B. NAME THE INJECTION FORMATION: 6400' SAND (BRUSHY CANYON)

C. NAME THE FIELD OR POOL (IF APPLICABLE) LUSK WEST (DELAWARE)

D. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USE YES 3/92 PERFS 4856'-4867' W/CIBP @ 4995' CURRENTLY PRODUCING FROM

U. DELAWARE PERFS 4856'-4867' PLAN TO SQZ OFF U. DELAWARE CONVERT TO WIW IN 6469'-6503' PERFS

E. GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA:

1. YATES 2600'-2800'	WATKINS YATES N.E. LUSK YATES S. LUSK YATES	5. STRAWN 11000'-11200'	LUSK STRAWN OIL
2. DELAWARE 4600'-7100'	W. LUSK DELAWARE LUSK DELAWARE	6. ATOKA 11200'-11400'	LUSK ATOKA GAS
3. BONE SPRING 8200'-8950'	WATKINS BONE SPRING LUSK BONE SPRING S. LUSK BONE SPRING E. LUSK BONE SPRING	7. MORROW 11500'-12000'	LUSK MORROW GAS N.W. LUSK MORROW GAS N. LUSK MORROW GAS
4. WOLF CAMP 10100'-10700'	LUSK WOLFCAMP OIL E. LUSK WOLFCAMP OIL S. LUSK WOLFCAMP OIL		

PROPOSED INJECTION WELL DATA SHEET

OPERATOR: Parker & Parsley Development L.P.

LEASE: LUSK DEEP UNIT "A"

WELL NO20

660' FEL & 2310' FSL

SEC-20

T-19-S

R-32-E

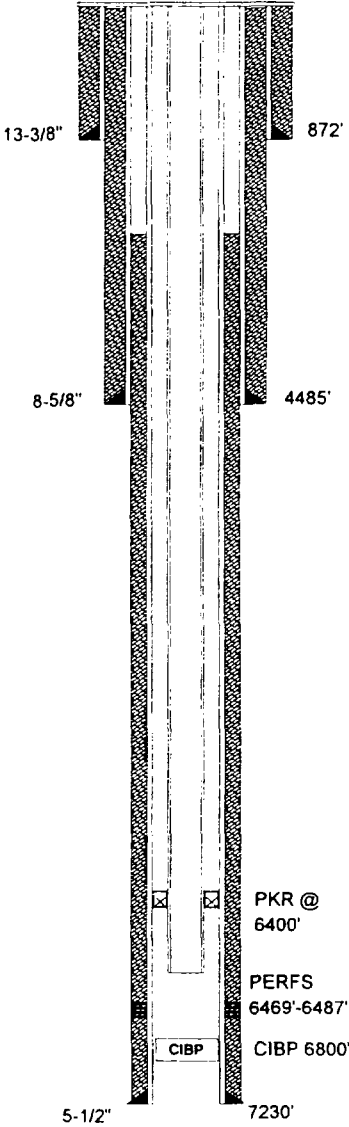
FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

SCHEMATIC



WELL CONSTRUCTION DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES

CEMENTED WITH: 900 sx

TOC: Surface

FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES

CEMENTED WITH: 2350 sx

TOC: Surface

FEET DETERMINED BY: Circulated

HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES

CEMENTED WITH: 800 sx

TOC: 3030

FEET DETERMINED BY: Temp. Survey

HOLE SIZE: 7-7/8 INCHES

4. INJECTION INTERVAL 6469 FEET TO: 6487 FEET

(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

"PERFORATED"

5. TOTAL DEPTH: 7230 FEET

6. TUBING SIZE

SIZE: 2-7/8 INCHES

LINED WITH: IPC 505 - PLASTIC COATING

SET IN A: ARROW SET 1-XS, PKR

PACKER AT: 6400 FEET:

OTHER DATA

A. IS THIS A NEW WELL DRILLED FOR INJECTION? YES NO

IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED? PRODUCING OIL AND GAS WELL

B. NAME THE INJECTION FORMATION: 6400' SAND (BRUSHY CANYON)

C. NAME THE FIELD OR POOL (IF APPLICABLE) LUSK WEST (DELAWARE)

D. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. PERFS 7050'-7154', SET CIBP, WITH 4 SK. CMT. ON TOP AT 6800'

E. GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA:

1. YATES 2600'-2800'	WATKINS YATES	5. STRAWN 11000'-11200'	LUSK STRAWN OIL
	N.E. LUSK YATES		
	S. LUSK YATES	6. ATOKA 11200'-11400'	LUSK ATOKA GAS
2. DELAWARE 4600'-7100'	W. LUSK DELAWARE	7. MORROW 11500'-12000'	LUSK MORROW GAS
	LUSK DELAWARE		N.W. LUSK MORROW GAS
			N. LUSK MORROW GAS
3. BONE SPRING 8200'-8950'	WATKINS BONE SPRING		
	LUSK BONE SPRING		
	S. LUSK BONE SPRING		
	E. LUSK BONE SPRING		
4. WOLF CAMP 10100'-10700'	LUSK WOLFCAMP OIL		
	E. LUSK WOLFCAMP OIL		
	S. LUSK WOLFCAMP OIL		

WELL DATA SHEET

SHACKELFORD OIL

AMOCO FEDERAL

OPERATOR

LEASE

1

660' FNL & 330' FWL

SEC-21

T-19-S

R-32-E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

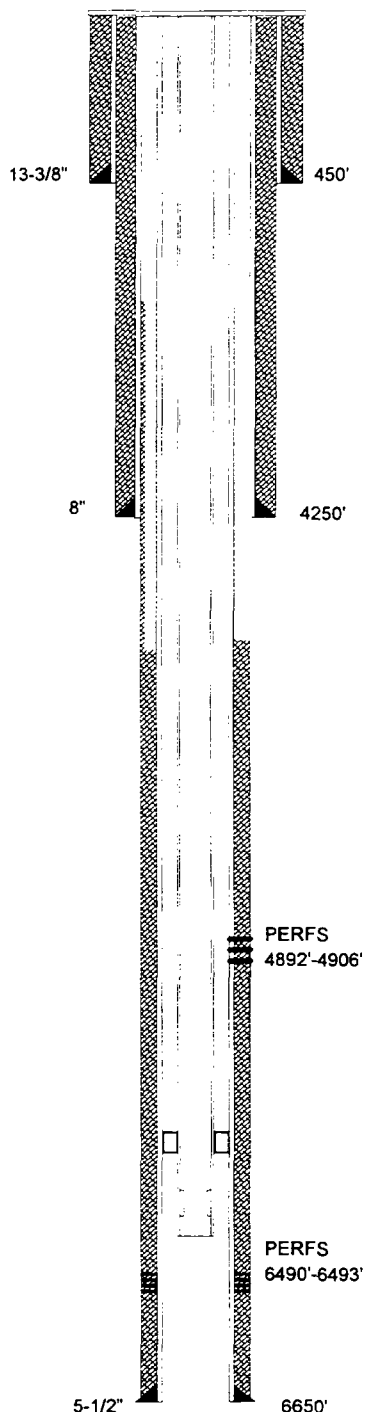
TYPE OF WELL:

PRODUCING OIL AND GAS WELL

SPUD DATE:

9/23/88

SCHEMATIC



TABULAR DATA

1. SURFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 475 sx

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8 INCHES CEMENTED WITH: 2150 sx

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 11 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 525 sx

TOC: 4550 FEET DETERMINED BY: Temp. Survey

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 6650 FEET

5. PERFORATIONS

6490 FEET TO: 6493 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

Parker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

**Parker & Parsley
Development L.P.**

LUSK DEEP "A"

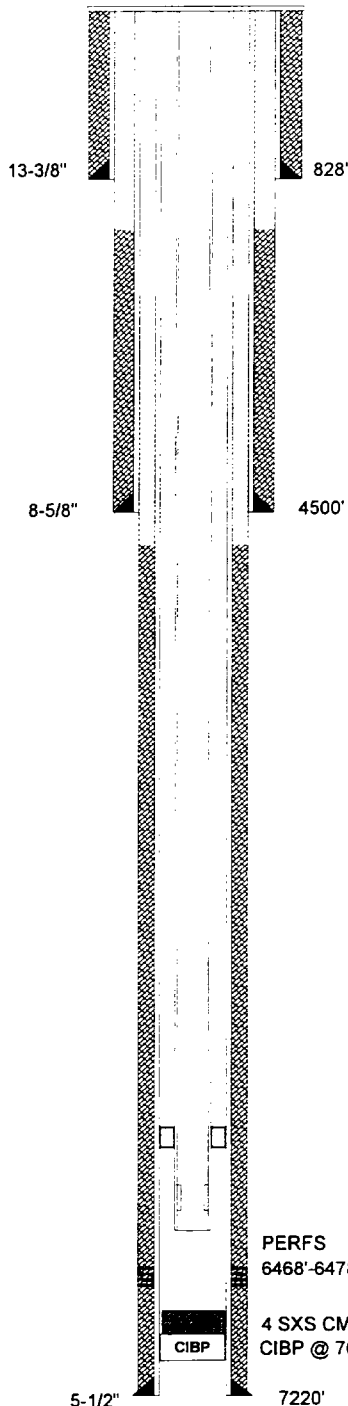
OPERATOR

LEASE

15	1651' FNL & 330' FEL	SEC-20	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PRODUCING OIL AND GAS WELL SPUD DATE: 11/22/88

SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 1000 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 700 SX

TOC: 2370 FEET DETERMINED BY: Temp. Survey

HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 600 SX

TOC: 4690 FEET DETERMINED BY: Temp. Survey

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 7220 FEET

5. PERFORATIONS

6468 FEET TO: 6478 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

SHACKELFORD OIL

MOBIL FEDERAL

OPERATOR

LEASE

2

1650' FNL & 1650' FWL

SEC-21

T-19-S

R-32-E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

TYPE OF WELL:

PRODUCING OIL AND GAS WELL

SPUD DATE:

8/30/88

SCHMATIC

TABULAR DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 475 **SX**

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: N/A INCHES CEMENTED WITH: N/A **SX**

TOC: N/A FEET DETERMINED BY: N/A

HOLE SIZE: N/A INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 165 **SX**

TOC: 5997 FEET DETERMINED BY: Calculation

HOLE SIZE: 11 & 7-7/8 INCHES

4. TOTAL DEPTH: 6690 FEET

5. PERFORATIONS

6490 FEET TO: 6495 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

13-3/8"

454'

PERFS
6490-6495

5-1/2"

6690'

**FORM C-108
SECTION VI**

**APPLICATION FOR AUTHORIZATION
TO INJECT**

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

SHACKELFORD OIL

MOBIL FEDERAL

OPERATOR

LEASE

3

2310' FSL & 330' FWL

SEC-21

T-19-S

R-32-E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

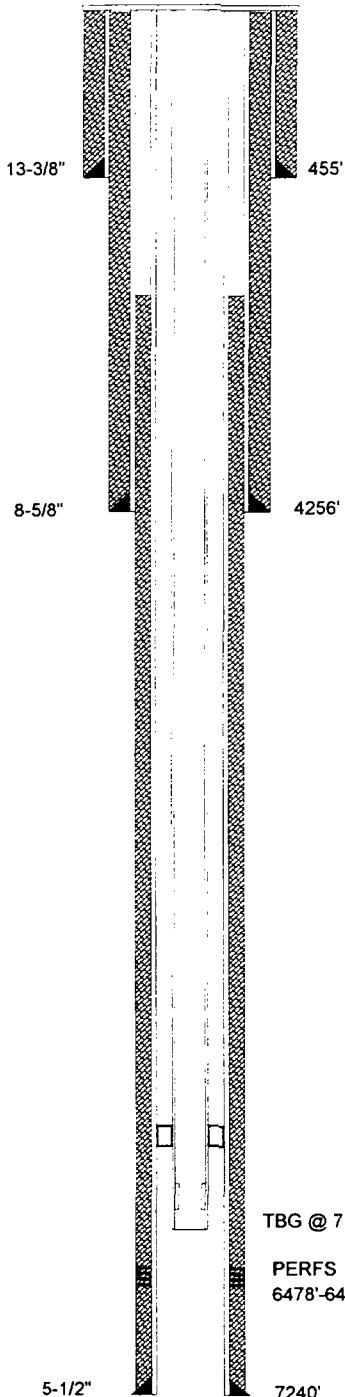
TYPE OF WELL:

PRODUCING OIL AND GAS WELL

SPUD DATE:

10/25/89

SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 475 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 1090 SX

TOC: 150 FEET DETERMINED BY: Temp. Survey

HOLE SIZE: 11 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 1000 SX

TOC: 3240 FEET DETERMINED BY: Calculated

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 7240 FEET

5. PERFORATIONS

6478 FEET TO: 6485 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

Parker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

SHACKELFORD OIL

LYNCH

OPERATOR

LEASE

3

678' FSL & 1992' FWL

SEC-21

T-19-S

R-32-E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

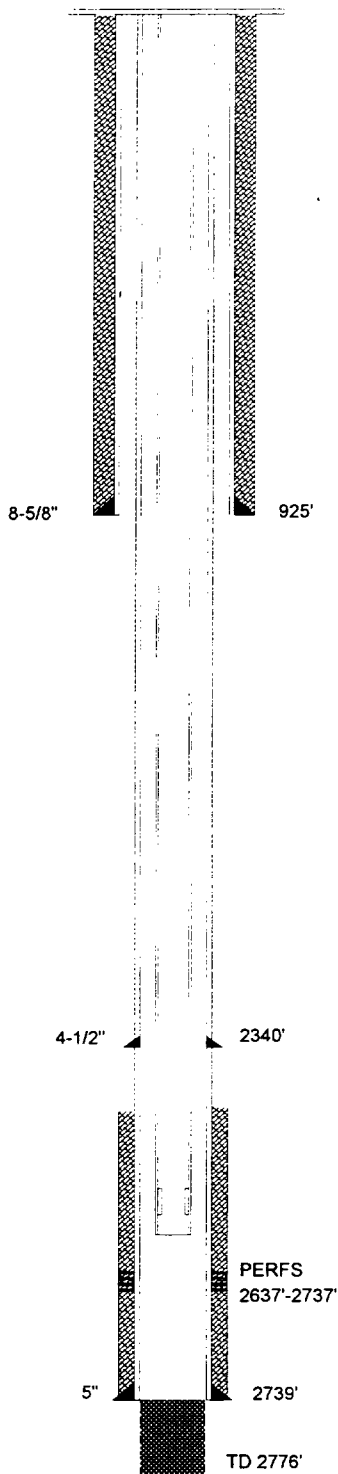
RANGE

TYPE OF WELL:

PRODUCING OIL AND GAS WELL

SPUD DATE: 11-14-42 RE-ENTRY 10-6-95

SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 50 **SX**
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 11 INCHES

2. INTERMEDIATE CASING

SIZE: N/A INCHES CEMENTED WITH: N/A **SX**
 TOC: N/A FEET DETERMINED BY: N/A
 HOLE SIZE: N/A INCHES

3. LONG STRING

SIZE: 4-1/2 & 5-1/2 INCHES CEMENTED WITH: 50 **SX**
 TOC: 2400 FEET DETERMINED BY: Calculation
 HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 2776 FEET

5. PERFORATIONS

2637 FEET TO: 2737 FEET
 (PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

FORM C-108
 SECTION VI

APPLICATION FOR AUTHORIZATION
 TO INJECT

**Parker & Parsley
 Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

SHACKELFORD OIL

PLAINS FEDERAL

OPERATOR

LEASE

4 - X

710' FSL & 660' FWL

SEC-21

T-19-S

R-32-E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

TYPE OF WELL:

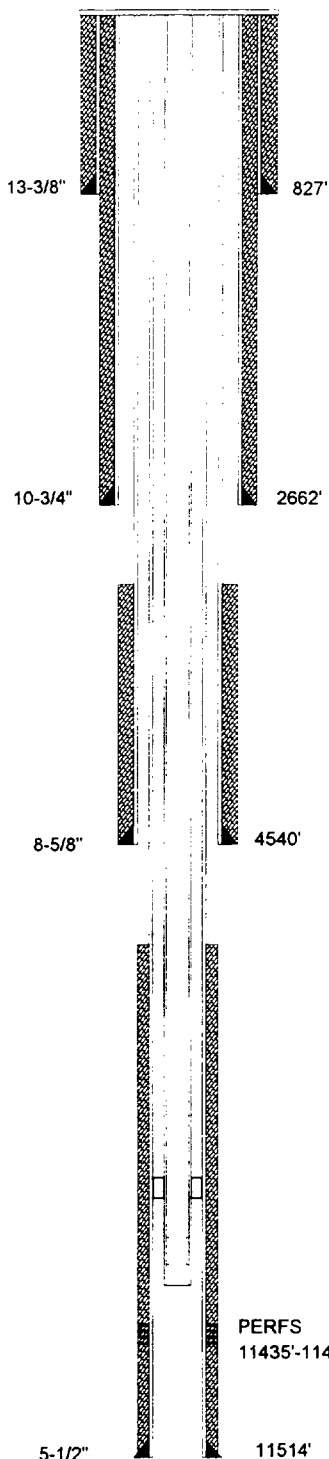
PRODUCING OIL AND GAS WELL

SPUD DATE:

1/4/64

TABULAR DATA

SCHEMATIC



1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 750 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 10-3/4 INCHES CEMENTED WITH: 700 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 12-1/4 INCHES

3. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 250 SX

TOC: 3500 FEET DETERMINED BY: Temp. Survey

HOLE SIZE: 9-7/8 INCHES

4. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 200 SX

TOC: 10714 FEET DETERMINED BY: Calculated

HOLE SIZE: 7-7/8 INCHES

5. TOTAL DEPTH: 11514 FEET

6. PERFORATIONS

11435 FEET TO: 11479 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

"PERFORATED"

FORM C-108
SECTION VI
APPLICATION FOR AUTHORIZATION
TO INJECT

Parker & Parsley
Development L.P.

WATER INJECTION WELL
TABULATION OF WELL DATA

WELL DATA SHEET

**Parker & Parsley
Development L.P.**

LUSK DEEP "A"

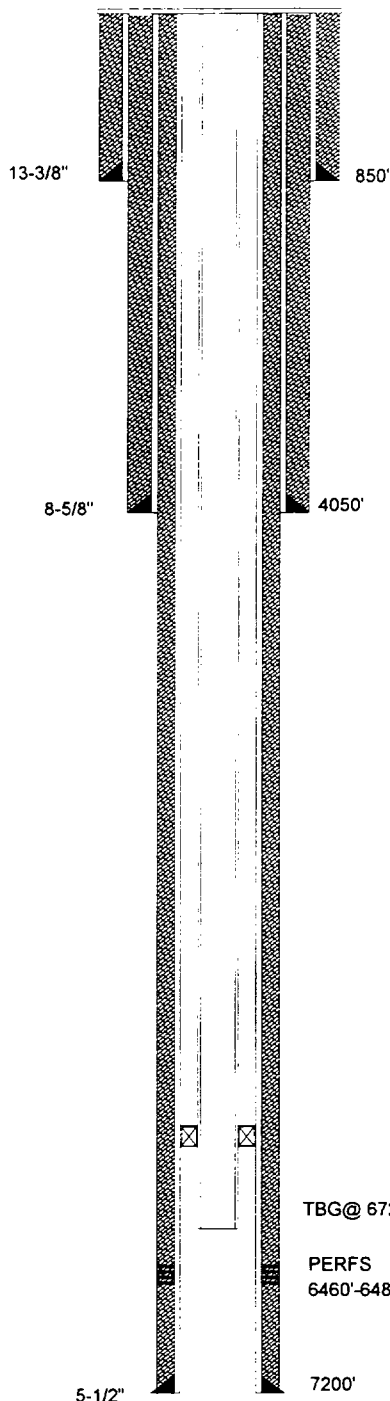
OPERATOR

LEASE

21	990' FSL & 660' FEL	SEC-20	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL:	PRODUCING OIL AND GAS WELL	SPUD DATE:	1997
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SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 675 **SX**

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 1325 **SX**

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 1530 **SX**

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 7200 FEET

5. PERFORATIONS

6460 FEET TO: 6480 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

SHACKELFORD OIL

PLAINS UNIT

OPERATOR

LEASE

6

1980' FSL & 660' FWL

SEC-21

T-19-S

R-32-E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

TYPE OF WELL:

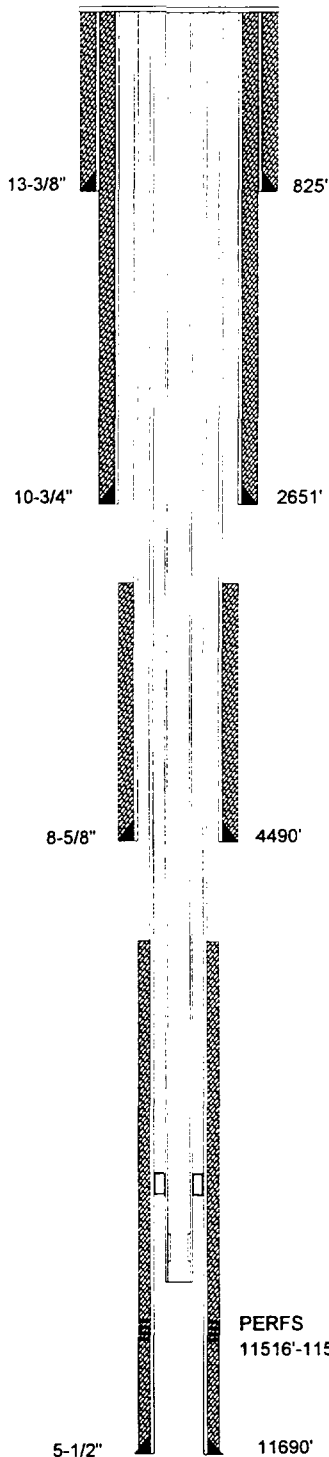
PRODUCING OIL AND GAS WELL

SPUD DATE:

7/10/96

TABULAR DATA

SCHEMATIC



1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 750 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 10-3/4 INCHES CEMENTED WITH: 700 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 12-1/4 INCHES

3. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 275 SX

TOC: 3335 FEET DETERMINED BY: Calculated

HOLE SIZE: 11 INCHES

4. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 200 SX

TOC: 10714 FEET DETERMINED BY: Calculated

HOLE SIZE: 7-7/8 INCHES

5. TOTAL DEPTH: 11690 FEET

6. PERFORATIONS

11516 FEET TO: 11530 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

"PERFORATED"

FORM C-108
SECTION VI
APPLICATION FOR AUTHORIZATION
TO INJECT

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL
TABULATION OF WELL DATA

PERFS
11516'-11530'

5-1/2"

11690'

WELL DATA SHEET

SHACKELFORD OIL

LYNCH

OPERATOR

LEASE

1

660' FSL & 660' FWL

SEC-21

T-19-S

R-32-E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

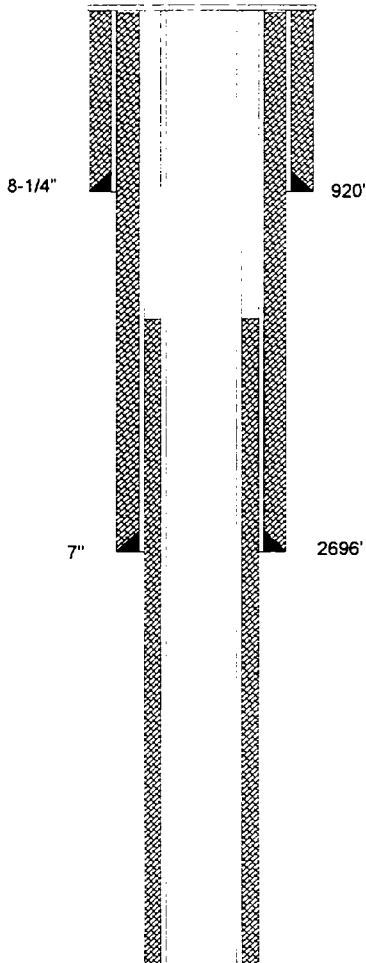
TYPE OF WELL:

PLUGGED & ABANDONED

SPUD DATE:

12/18/41

SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 8-1/4 INCHES CEMENTED WITH: 50 sx

TOC: UNKNOWN FEET DETERMINED BY: UNKNOWN

HOLE SIZE: UNKNOWN INCHES

2. INTERMEDIATE CASING

SIZE: 7 INCHES CEMENTED WITH: 100 sx

TOC: UNKNOWN FEET DETERMINED BY: UNKNOWN

HOLE SIZE: UNKNOWN INCHES

3. LONG STRING

SIZE: UNKNOWN INCHES CEMENTED WITH: UNKNOWN sx

TOC: UNKNOWN FEET DETERMINED BY: UNKNOWN

HOLE SIZE: UNKNOWN INCHES

4. TOTAL DEPTH: 2751 FEET

5. PERFORATIONS

UNKNOWN FEET TO UNKNOWN FEET

(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?

LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED.

UNKNOWN

FROM: DOWNS OIL AND RESEARCH
1424 PAIGE
HOBBS, N.M. , 88240

WELLS DRILLED BACK IN THE 1940'S
THAT WERE ON FEDERAL LAND WERE
NOT REQUIRED TO FURNISH THE OCD
WITH COPIES OF THE PUGGING LOG.
SO ALL THAT IS AVAILABLE IS THE
INFORMATION ON THE SCOUT TICKET.

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

Parker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

SHACKELFORD OIL

PLAINS FEDERAL

OPERATOR

LEASE

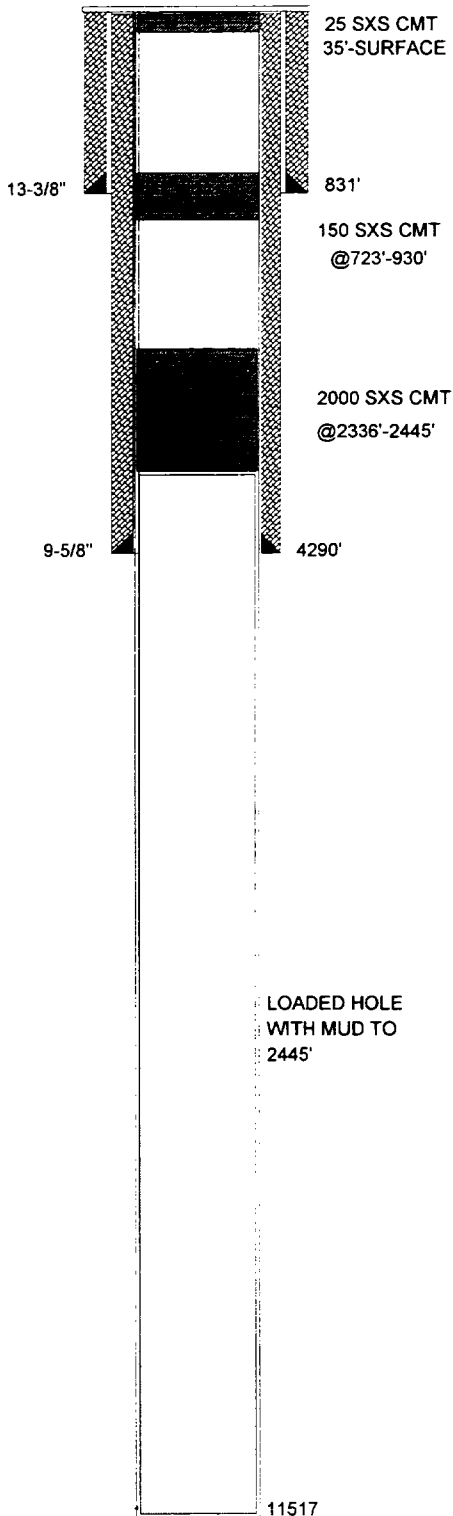
4	1930' FSL & 660' FWL	SEC-21	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: **PLUGGED & ABANDONED**

SPUD DATE: **9/12/63**

SCHEMATIC

TABULAR DATA



1. SURFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 725 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 9-5/8 INCHES CEMENTED WITH: 1000 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 11 INCHES

3. LONG STRING

SIZE: N/A INCHES CEMENTED WITH: N/A SX

TOC: N/A FEET DETERMINED BY: N/A

HOLE SIZE: _____ INCHES

4. TOTAL DEPTH: 11517 FEET

5. PERFORATIONS

N/A FEET TO: N/A FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?
LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NONE

LOADED HOLE
WITH MUD TO
2445'

11517

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

Parker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

SHACKELFORD OIL

PLAINS FEDERAL

OPERATOR

LEASE

4

1930' FSL & 660' FWL

SEC-21

T-19-S

R-32-E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

TYPE OF WELL:

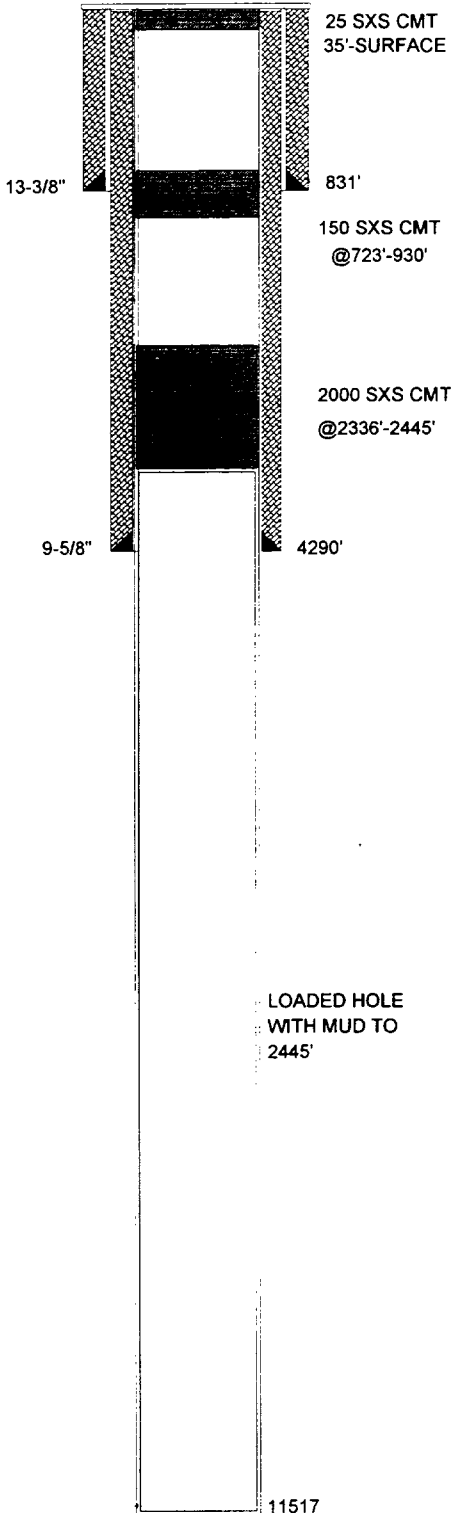
PLUGGED & ABANDONED

SPUD DATE:

9/12/63

SCHEMATIC

TABULAR DATA



1. SURFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 725 SX
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 9-5/8 INCHES CEMENTED WITH: 1000 SX
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 11 INCHES

3. LONG STRING

SIZE: N/A INCHES CEMENTED WITH: N/A SX
 TOC: N/A FEET DETERMINED BY: N/A
 HOLE SIZE: _____ INCHES

4. TOTAL DEPTH: 11517 FEET

5. PERFORATIONS

N/A FEET TO: N/A FEET
 (PERFORATED OR OPEN HOLE ; INDICATE WHICH)
PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?

**LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
 DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED.**

NONE

LOADED HOLE
 WITH MUD TO
 2445'

11517

**FORM C-108
 SECTION VI**

**APPLICATION FOR AUTHORIZATION
 TO INJECT**

**Parker & Parsley
 Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

PROPOSED INJECTION WELL DATA SHEET

OPERATOR: Parker & Parsley Development L.P.

LEASE: LUSK DEEP UNIT "A"

WELL NO12

1660' FNL & 2300' FEL

SEC-20

T-19-S

R-32-E

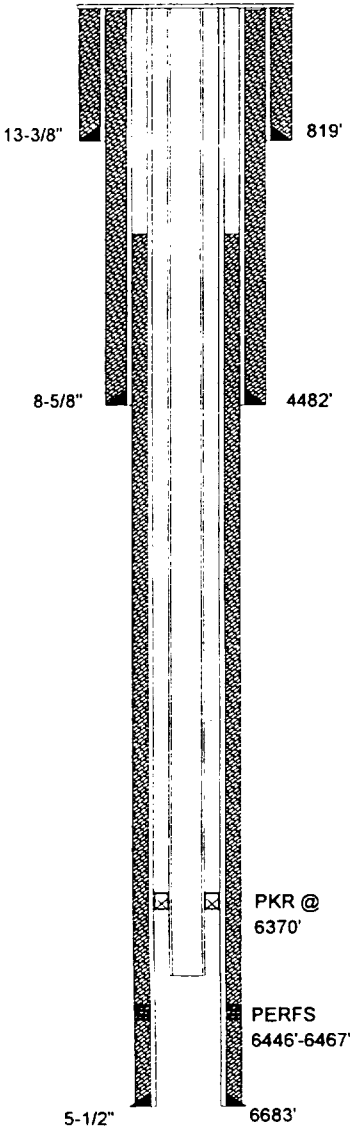
FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

SCHEMATIC



WELL CONSTRUCTION DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHESCEMENTED WITH: 500 sx

TOC: SurfaceFEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHESCEMENTED WITH: 1650 sx

TOC: 1350FEET DETERMINED BY: Temp. Survey

HOLE SIZE: 11 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHESCEMENTED WITH: 800 sx

TOC: 2710FEET DETERMINED BY: Temp. Survey

HOLE SIZE: 7-7/8 INCHES

4. INJECTION INTERVAL 6446 FEET TO: 6467 FEET

(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

"PERFORATED"

5. TOTAL DEPTH: 6700 FEET

6. TUBING SIZE

SIZE: 2-7/8 INCHESLINED WITH: IPC 505 - PLASTIC COATING

SET IN A: ARROW SET 1-XS, PKRPACKER AT: 6370 FEET:

OTHER DATA

A. IS THIS A NEW WELL DRILLED FOR INJECTION? YESNO

IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED? PRODUCING OIL AND GAS WELL

COMMENT: SPUD WELL 11/2/74. P&A WELLBORE 8/27/86. RE-ENTRY 4/12/89

B. NAME THE INJECTION FORMATION: 6400' SAND (BRUSHY CANYON)

C. NAME THE FIELD OR POOL (IF APPLICABLE) LUSK WEST (DELAWARE)

D. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED.

PERFS 8839'-8914' CIBP AT 8800' W/5, SX, CMT/TOP, PERFS 10680'-10708', CIBP AT 10640' W/5, SX, CMT/TOP, PERFS 11460'-11581', CIBP AT 11430' W/5, SX, CMT/TOP, CIBP AT 12212' W/20, SX, CMT/TOP

E. GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA:

1. YATES 2600'-2800' WATKINS YATES N.E. LUSK YATES S. LUSK YATES

2. DELAWARE 4600'-7100' W. LUSK DELAWARE LUSK DELAWARE

3. BONE SPRING 8200'-8950' WATKINS BONE SPRING LUSK BONE SPRING S. LUSK BONE SPRING E. LUSK BONE SPRING

4. WOLF CAMP 10100'-10700' LUSK WOLFCAMP OIL E. LUSK WOLFCAMP OIL S. LUSK WOLFCAMP OIL

5. STRAWN 11000'-11200' LUSK STRAWN OIL

6. ATOKA 11200'-11400' LUSK ATOKA GAS

7. MORROW 11500'-12000' LUSK MORROW GAS N.W. LUSK MORROW GAS N. LUSK MORROW GAS

PROPOSED INJECTION WELL DATA SHEET

OPERATOR: Parker & Parsley Development L.P.

LEASE: LUSK DEEP UNIT "A"

WELL NO20

660' FEL & 2310' FSL

SEC-20

T-19-S

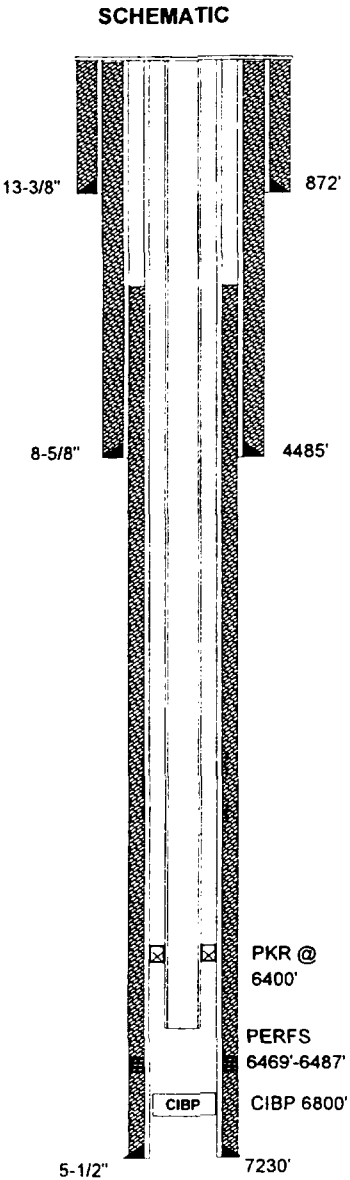
R-32-E

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE



WELL CONSTRUCTION DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES

CEMENTED WITH: 900 SX

TOC: Surface

FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMIDATE CASING

SIZE: 8-5/8 INCHES

CEMENTED WITH: 2350 SX

TOC: Surface

FEET DETERMINED BY: Circulated

HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES

CEMENTED WITH: 800 SX

TOC: 3030

FEET DETERMINED BY: Temp. Survey

HOLE SIZE: 7-7/8 INCHES

4. INJECTION INTERVAL 6469 FEET TO: 6487 FEET

(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

"PERFORATED"

5. TOTAL DEPTH: 7230 FEET

6. TUBING SIZE

SIZE: 2-7/8 INCHES

LINED WITH: IPC 505 - PLASTIC COATING

SET IN A: ARROW SET 1-XS, PKR

PACKER AT: 6400 FEET:

OTHER DATA

A. IS THIS A NEW WELL DRILLED FOR INJECTION? YES NO

IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED? PRODUCING OIL AND GAS WELL

B. NAME THE INJECTION FORMATION: 6400' SAND (BRUSHY CANYON)

C. NAME THE FIELD OR POOL (IF APPLICABLE) LUSK WEST (DELAWARE)

D. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. PERFS 7050'-7154, SET CIBP, WITH 4 SK. CMT. ON TOP AT 6800'

E. GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA:

1. YATES 2600'-2800'	WATKINS YATES	5. STRAWN 11000'-11200'	LUSK STRAWN OIL
	N.E. LUSK YATES		
	S. LUSK YATES	6. ATOKA 11200'-11400'	LUSK ATOKA GAS
2. DELAWARE 4600'-7100'	W. LUSK DELAWARE	7. MORROW 11500'-12000'	LUSK MORROW GAS
	LUSK DELAWARE		N.W. LUSK MORROW GAS
			N. LUSK MORROW GAS
3. BONE SPRING 8200'-8950'	WATKINS BONE SPRING		
	LUSK BONE SPRING		
	S. LUSK BONE SPRING		
	E. LUSK BONE SPRING		
4. WOLF CAMP 10100'-10700'	LUSK WOLFCAMP OIL		
	E. LUSK WOLFCAMP OIL		
	S. LUSK WOLFCAMP OIL		

PROPOSED INJECTION WELL DATA SHEET

OPERATOR:

Parker & Parsley
Development L.P.

LEASE:

LUSK DEEP UNIT "A"

WELL NO

14

330' FSL & 1980' FEL

SEC-20

T-19-S

R-32-E

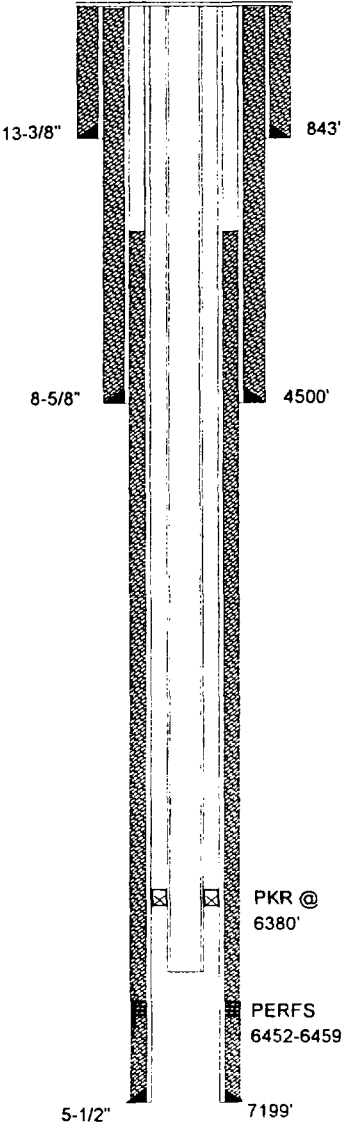
FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

SCHEMATIC



WELL CONSTRUCTION DATA

1. SUFACE CASING

SIZE:

13-3/8

INCHES

CEMENTED WITH:

1000

SX

TOC:

Surface

FEET DETERMINED BY:

Circulated

HOLE SIZE:

17-1/2

INCHES

2. INTERMIDIATE CASING

SIZE:

8-5/8

INCHES

CEMENTED WITH:

1700

SX

TOC:

Surface

FEET DETERMINED BY:

Circulated

HOLE SIZE:

12-1/4

INCHES

3. LONG STRING

SIZE:

5-1/2

INCHES

CEMENTED WITH:

850

SX

TOC:

2320

FEET DETERMINED BY:

Temp. Survey

HOLE SIZE:

7-7/8

INCHES

4. INJECTION INTERVAL

6452

FEET TO:

6459

FEET

(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

"PERFORATED"

5. TOTAL DEPTH:

7200

FEET

6. TUBING SIZE

SIZE:

2-7/8

INCHES

LINED WITH:

IPC 505 - PLASTIC COATING

SET IN A:

ARROW SET 1-XS, PKR

PACKER AT:

6380

FEET:

OTHER DATA

A.

IS THIS A NEW WELL DRILLED FOR INJECTION?

YES

X

NO

IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED?

PRODUCING OIL AND GAS WELL

B.

NAME THE INJECTION FORMATION:

6400' SAND (BRUSHY CANYON)

C.

NAME THE FIELD OR POOL (IF APPLICABLE)

LUSK WEST (DELAWARE)

D.

HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED.

NO

E.

GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA:

1. YATES 2600'-2800'	WATKINS YATES N.E. LUSK YATES S. LUSK YATES	5. STRAWN 11000'-11200'	LUSK STRAWN OIL
2. DELAWARE 4600'-7100'	W. LUSK DELAWARE LUSK DELAWARE	6. ATOKA 11200'-11400'	LUSK ATOKA GAS
3. BONE SPRING 8200'-8950'	WATKINS BONE SPRING LUSK BONE SPRING S. LUSK BONE SPRING E. LUSK BONE SPRING	7. MORROW 11500'-12000'	LUSK MORROW GAS N.W. LUSK MORROW GAS N. LUSK MORROW GAS
4. WOLF CAMP 10100'-10700'	LUSK WOLFCAMP OIL E. LUSK WOLFCAMP OIL S. LUSK WOLFCAMP OIL		

PROPOSED INJECTION WELL DATA SHEET

OPERATOR: Parker & Parsley Development L.P.

LEASE: LUSK DEEP UNIT "A"

WELL NO17

330' FNL & 330' FEL

SEC-20

T-19-S

R-32-E

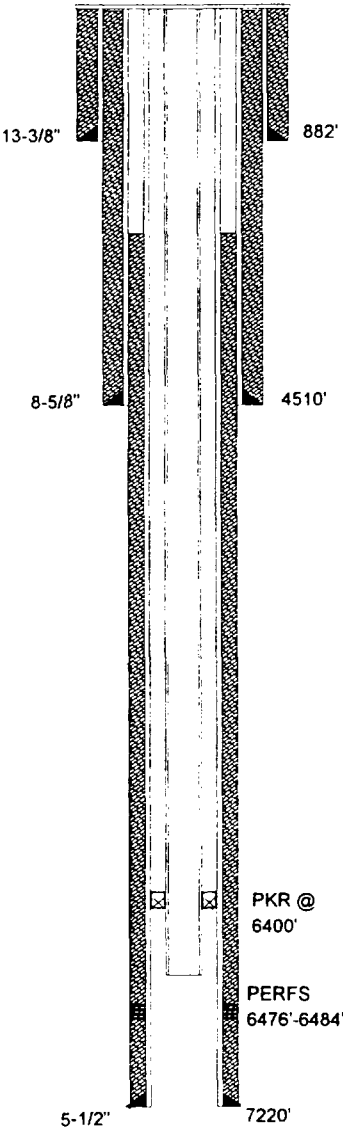
FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

SCHEMATIC



WELL CONSTRUCTION DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHESCEMENTED WITH: 1000 sx

TOC: SurfaceFEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHESCEMENTED WITH: 1450 sx

TOC: SurfaceFEET DETERMINED BY: Circulated

HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHESCEMENTED WITH: 800 sx

TOC: 2790FEET DETERMINED BY: CALCULATED

HOLE SIZE: 7-7/8 INCHES

4. INJECTION INTERVAL

6476 FEET TO: 6484 FEET

(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

"PERFORATED"

5. TOTAL DEPTH:

7224 FEET

6. TUBING SIZE

SIZE: 2-7/8 INCHESLINED WITH: IPC 505 - PLASTIC COATING

SET IN A: ARROW SET 1-XS, PKRPACKER AT: 6400 FEET:

OTHER DATA

A.

IS THIS A NEW WELL DRILLED FOR INJECTION?

YES

X

NO

IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED?

PRODUCING OIL AND GAS WELL

B.

NAME THE INJECTION FORMATION:

6400' SAND (BRUSHY CANYON)

C.

NAME THE FIELD OR POOL (IF APPLICABLE)

LUSK WEST (DELAWARE)

D.

HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED.

NO

E.

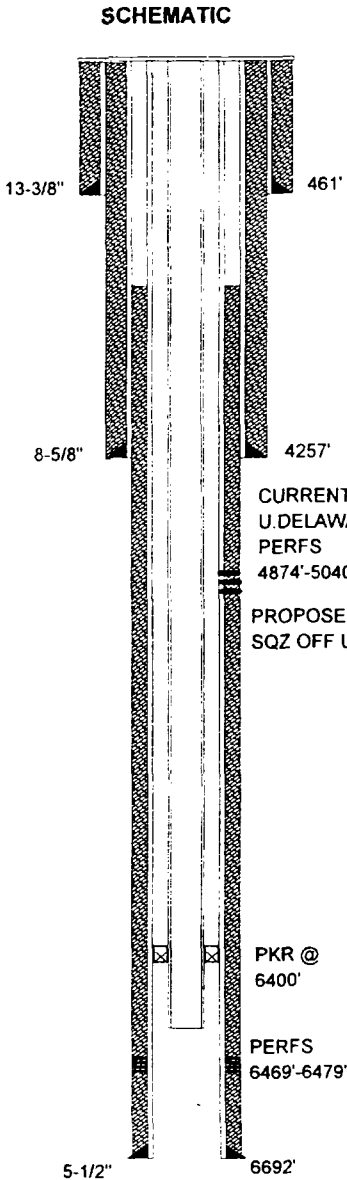
GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA:

1. YATES 2600'-2800'	WATKINS YATES N.E. LUSK YATES S. LUSK YATES	5. STRAWN 11000'-11200'	LUSK STRAWN OIL
2. DELAWARE 4600'-7100'	W. LUSK DELAWARE LUSK DELAWARE	6. ATOKA 11200'-11400'	LUSK ATOKA GAS
3. BONE SPRING 8200'-8950'	WATKINS BONE SPRING LUSK BONE SPRING S. LUSK BONE SPRING E. LUSK BONE SPRING	7. MORROW 11500'-12000'	LUSK MORROW GAS N.W. LUSK MORROW GAS N. LUSK MORROW GAS
4. WOLF CAMP 10100'-10700'	LUSK WOLFCAMP OIL E. LUSK WOLFCAMP OIL S. LUSK WOLFCAMP OIL		

PROPOSED INJECTION WELL DATA SHEET

OPERATOR: SHACKELFORD OIL CO. LEASE: MOBIL FEDERAL

WELL NO 1 FOOTAGE LOCATION 1650' FNL & 330' FWL SECTION SEC-21 TOWNSHIP T-19-S RANGE R-32-E



WELL CONSTRUCTION DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 475 sx
TOC: Surface FEET DETERMINED BY: Circulated
HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 860 sx
TOC: Surface FEET DETERMINED BY: Circulated
HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 875 sx
TOC: 4248 FEET DETERMINED BY: Temp. Survey
HOLE SIZE: 7-7/8 INCHES

4. INJECTION INTERVAL 6469 FEET TO: 6479 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

5. TOTAL DEPTH: 6700 FEET

6. TUBING SIZE

SIZE: 2-7/8 INCHES LINED WITH: IPC 505 - PLASTIC COATING
SET IN A: ARROW SET 1-XS, PKR PACKER AT: 6400 FEET:

OTHER DATA

A. IS THIS A NEW WELL DRILLED FOR INJECTION? YES NO
IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED? PRODUCING OIL AND GAS WELL

B. NAME THE INJECTION FORMATION: 6400' SAND (BRUSHY CANYON)

C. NAME THE FIELD OR POOL (IF APPLICABLE) LUSK WEST (DELAWARE)

D. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USE YES 4/92 PERFS 4904', 4984'-5006', 5012'-5040' CIBP @ 5183'
5/92 PERFS 4874'-4892' CIBP @ 4940', CURRENTLY PRODUCING FROM U. DELAWARE PERFS 4874'-4892'

E. GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA:

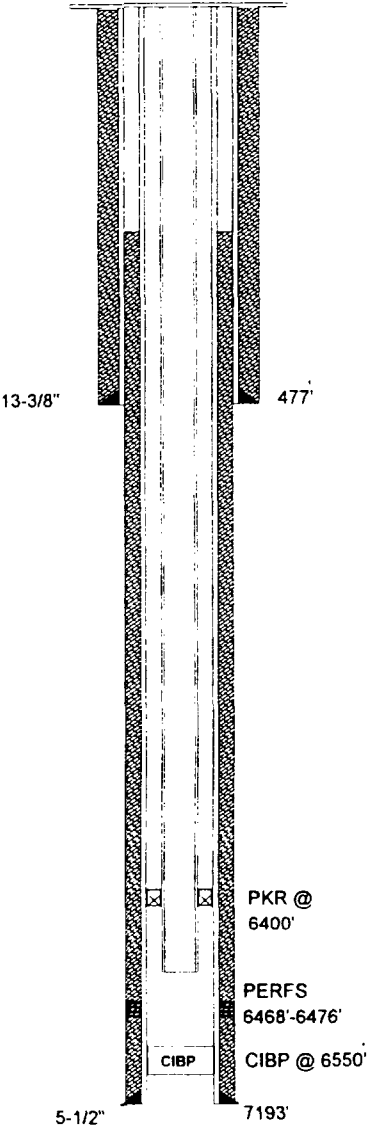
1. YATES 2600'-2800'	WATKINS YATES N.E. LUSK YATES S. LUSK YATES	5. STRAWN 11000'-11200'	LUSK STRAWN OIL
2. DELAWARE 4600'-7100'	W. LUSK DELAWARE LUSK DELAWARE	6. ATOKA 11200'-11400'	LUSK ATOKA GAS
3. BONE SPRING 8200'-8950'	WATKINS BONE SPRING LUSK BONE SPRING S. LUSK BONE SPRING E. LUSK BONE SPRING	7. MORROW 11500'-12000'	LUSK MORROW GAS N.W. LUSK MORROW GAS N. LUSK MORROW GAS
4. WOLF CAMP 10100'-10700'	LUSK WOLFCAMP OIL E. LUSK WOLFCAMP OIL S. LUSK WOLFCAMP OIL		

PROPOSED INJECTION WELL DATA SHEET

OPERATOR: SHACKELFORD OIL CO. LEASE: MOBIL FEDERAL

WELL NO 4 1650' FWL & 2310' FSL SEC-21 T-19-S R-32-E
FOOTAGE LOCATION SECTION TOWNSHIP RANGE

SCHEMATIC



WELL CONSTRUCTION DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 475 SX
TOC: Surface FEET DETERMINED BY: Circulated
HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: N/A INCHES CEMENTED WITH: N/A SX
TOC: N/A FEET DETERMINED BY: N/A
HOLE SIZE: N/A INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 2620 SX
TOC: Surface FEET DETERMINED BY: Circulated
NOTE: 1" PLUG TO 1336' CMT'D W/720 SXS TO CIRCULATE.
HOLE SIZE: 7-7/8 INCHES

4. INJECTION INTERVAL 6468 FEET TO: 6476 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

5. TOTAL DEPTH: 7230 FEET

6. TUBING SIZE

SIZE: 2-7/8 INCHES LINED WITH: IPC 505 - PLASTIC COATING
SET IN A: ARROW SET 1-XS, PKR PACKER AT: 6400 FEET:

OTHER DATA

A. IS THIS A NEW WELL DRILLED FOR INJECTION? YES NO
IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED? PRODUCING OIL AND GAS WELL

B. NAME THE INJECTION FORMATION: 6400' SAND (BRUSHY CANYON)

C. NAME THE FIELD OR POOL (IF APPLICABLE) LUSK WEST (DELAWARE)

D. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED NO

E. GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA:

1. YATES 2600'-2800'	WATKINS YATES N.E. LUSK YATES S. LUSK YATES	5. STRAWN 11000'-11200'	LUSK STRAWN OIL
2. DELAWARE 4600'-7100'	W. LUSK DELAWARE LUSK DELAWARE	6. ATOKA 11200'-11400'	LUSK ATOKA GAS
3. BONE SPRING 8200'-8950'	WATKINS BONE SPRING LUSK BONE SPRING S. LUSK BONE SPRING E. LUSK BONE SPRING	7. MORROW 11500'-12000'	LUSK MORROW GAS N.W. LUSK MORROW GAS N. LUSK MORROW GAS
4. WOLF CAMP 10100'-10700'	LUSK WOLFCAMP OIL E. LUSK WOLFCAMP OIL S. LUSK WOLFCAMP OIL		

WELL DATA SHEET

SHACKELFORD OIL

AMOCO FEDERAL

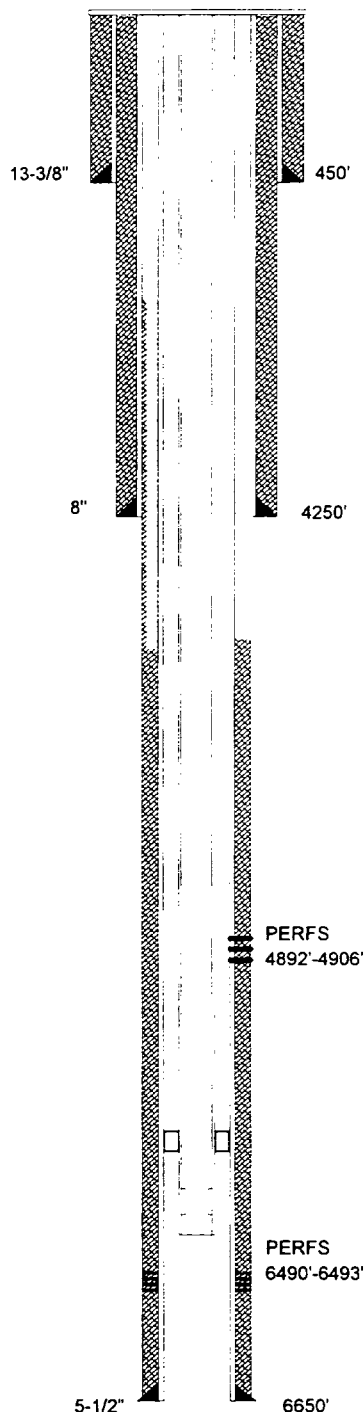
OPERATOR

LEASE

1	660' FNL & 330' FWL	SEC-21	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PRODUCING OIL AND GAS WELL SPUD DATE: 9/23/88

SCHEMATIC



TABULAR DATA

1. SURFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 475 **SX**

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8 INCHES CEMENTED WITH: 2150 **SX**

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 11 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 525 **SX**

TOC: 4550 FEET DETERMINED BY: Temp. Survey

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 6650 FEET

5. PERFORATIONS

6490 FEET TO: 6493 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

SHACKELFORD OIL

MOBIL FEDERAL

OPERATOR

LEASE

2

1650' FNL & 1650' FWL

SEC-21

T-19-S

R-32-E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

TYPE OF WELL:

PRODUCING OIL AND GAS WELL

SPUD DATE:

8/30/88

SCHMATIC

TABULAR DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 475 sx

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: N/A INCHES CEMENTED WITH: N/A sx

TOC: N/A FEET DETERMINED BY: N/A

HOLE SIZE: N/A INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 165 sx

TOC: 5997 FEET DETERMINED BY: Calculation

HOLE SIZE: 11 & 7-7/8 INCHES

4. TOTAL DEPTH: 6690 FEET

5. PERFORATIONS

6490 FEET TO: 6495 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

13-3/8"

454'

PERFS
6490-6495

5-1/2"

6690'

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

SHACKELFORD OIL

PLAINS UNIT

OPERATOR

LEASE

6

1980' FSL & 660' FWL

SEC-21

T-19-S

R-32-E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

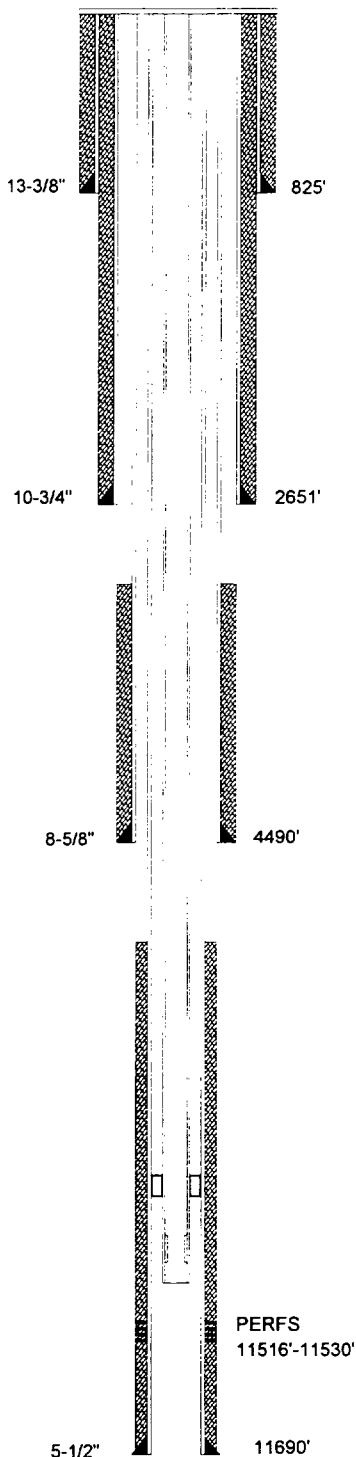
TYPE OF WELL:

PRODUCING OIL AND GAS WELL

SPUD DATE:

7/10/96

SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 750 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 10-3/4 INCHES CEMENTED WITH: 700 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 12-1/4 INCHES

3. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 275 SX

TOC: 3335 FEET DETERMINED BY: Calculated

HOLE SIZE: 11 INCHES

4. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 200 SX

TOC: 10714 FEET DETERMINED BY: Calculated

HOLE SIZE: 7-7/8 INCHES

5. TOTAL DEPTH: 11690 FEET

6. PERFORATIONS

11516 FEET TO: 11530 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

"PERFORATED"

FORM C-108
SECTION VI
APPLICATION FOR AUTHORIZATION
TO INJECT

Parker & Parsley
Development L.P.

WATER INJECTION WELL
TABULATION OF WELL DATA

WELL DATA SHEET

SHACKELFORD OIL

MOBIL FEDERAL

OPERATOR

LEASE

3

2310' FSL & 330' FWL

SEC-21

T-19-S

R-32-E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

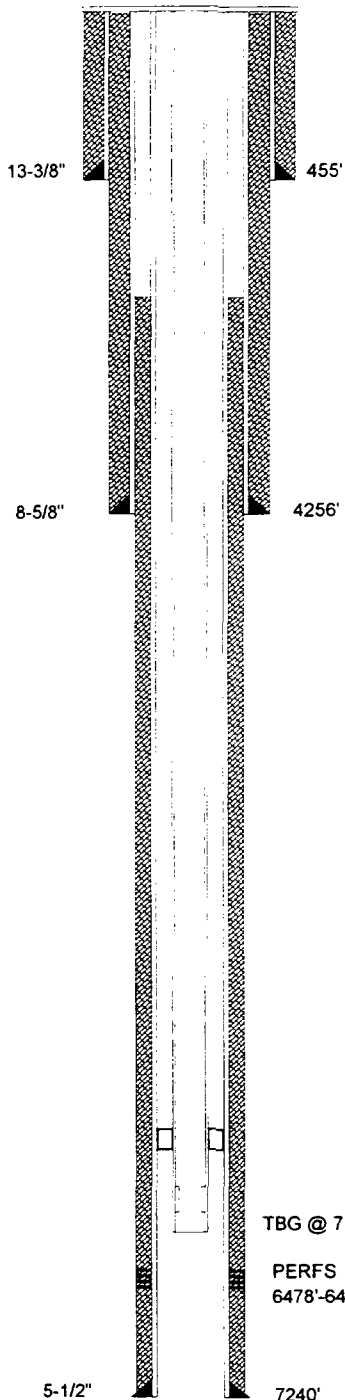
TYPE OF WELL:

PRODUCING OIL AND GAS WELL

SPUD DATE:

10/25/89

SCHMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 475 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 1090 SX

TOC: 150 FEET DETERMINED BY: Temp. Survey

HOLE SIZE: 11 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 1000 SX

TOC: 3240 FEET DETERMINED BY: Calculated

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 7240 FEET

5. PERFORATIONS

6478 FEET TO: 6485 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

**FORM C-108
SECTION VI**

**APPLICATION FOR AUTHORIZATION
TO INJECT**

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

SHACKELFORD OIL

LYNCH

OPERATOR

LEASE

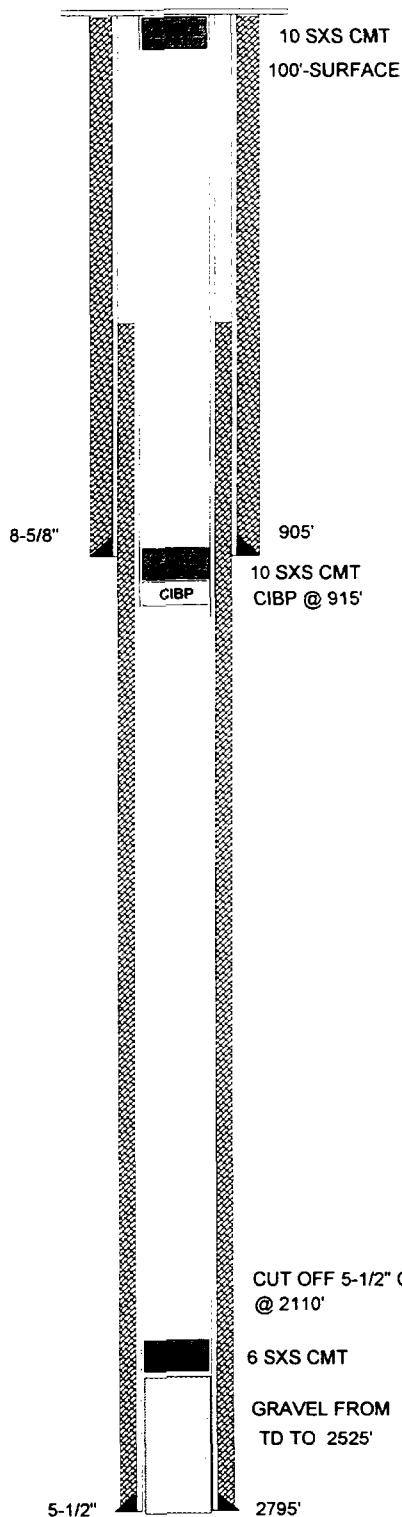
2	1980' FSL & 660' FWL	SEC-21	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PLUGGED & ABANDONED

SPUD DATE: 4/11/42

SCHEMATIC

TABULAR DATA



1. SUFACE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 50 SX
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 11 INCHES

2. INTERMEDIATE CASING

SIZE: N/A INCHES CEMENTED WITH: N/A SX
 TOC: N/A FEET DETERMINED BY: N/A
 HOLE SIZE: N/A INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 100 SX
 TOC: 2400 FEET DETERMINED BY: Temp. Survey
 HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 2820 FEET

5. PERFORATIONS

2680 FEET TO: 2955 FEET
 (PERFORATED OR OPEN HOLE ; INDICATE WHICH)
PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?
LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NONE

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

Parker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

**Parker & Parsley
Development L.P.**

LUSK DEEP "A"

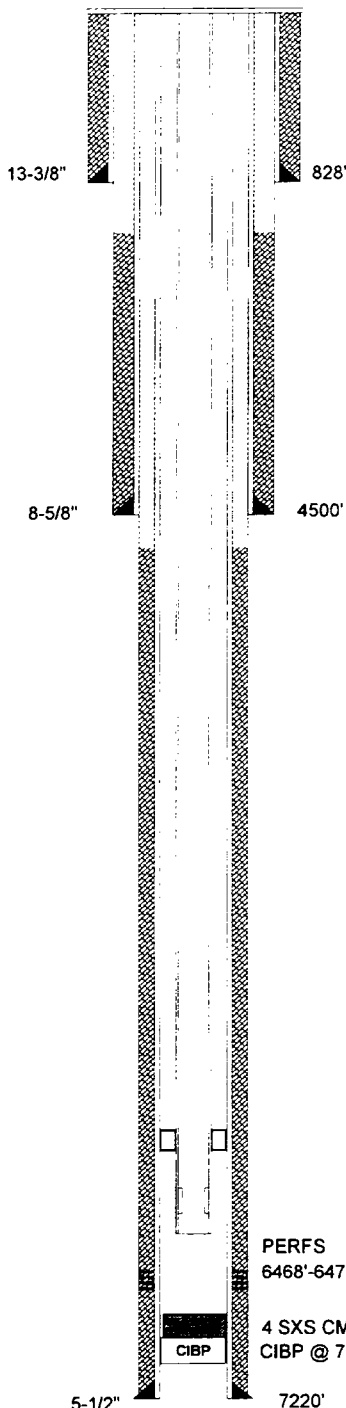
OPERATOR

LEASE

15	1651' FNL & 330' FEL	SEC-20	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PRODUCING OIL AND GAS WELL SPUD DATE: 11/22/88

SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 1000 **SX**
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 700 **SX**
 TOC: 2370 FEET DETERMINED BY: Temp. Survey
 HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 600 **SX**
 TOC: 4690 FEET DETERMINED BY: Temp. Survey
 HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 7220 FEET

5. PERFORATIONS

6468 FEET TO: 6478 FEET
 (PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

**Parker & Parsley
Development L.P.**

LUSK DEEP UNIT "A"

OPERATOR

LEASE

4

1980' FSL & 1980' FEL

SEC-20

T-19-S

R-32-E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

TYPE OF WELL:

PRODUCING OIL AND GAS WELL

SPUD DATE: 10/5/62

RE-ENTRY

3/13/88

TABULAR DATA

SCHEMATIC

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 1180 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 9-5/8 INCHES CEMENTED WITH: 2365 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

NOTE: 6/88 CUT AND PULLED 7185' OF 4-1/2 CSG

SIZE: 4-1/2 INCHES CEMENTED WITH: 300 SX

TOC: 10000 FEET DETERMINED BY: Circulated

HOLE SIZE: 7-7/8 INCHES

4. PRODUCTION STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 500 SX

TOC: 5595 FEET DETERMINED BY: Calculated

HOLE SIZE: 7-7/8 INCHES

5. TOTAL DEPTH: 11531 FEET

6. PERFORATIONS

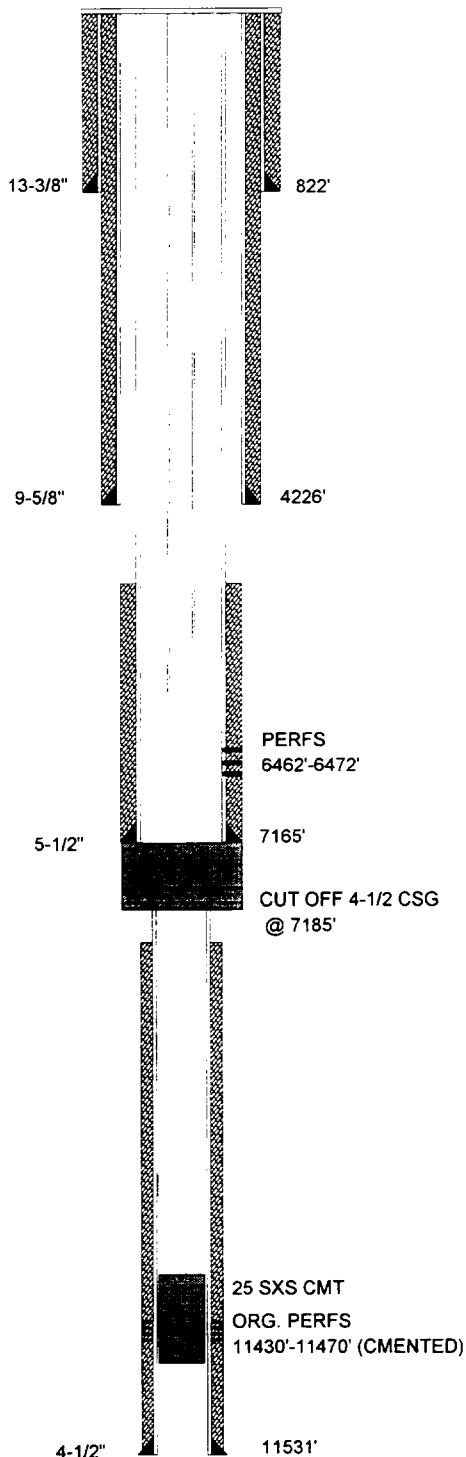
6462 FEET TO: 6472 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

"PERFORATED"

FORM C-108
SECTION VI
APPLICATION FOR AUTHORIZATION
TO INJECT

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL
TABULATION OF WELL DATA



WELL DATA SHEET

**Parker & Parsley
Development L.P.**

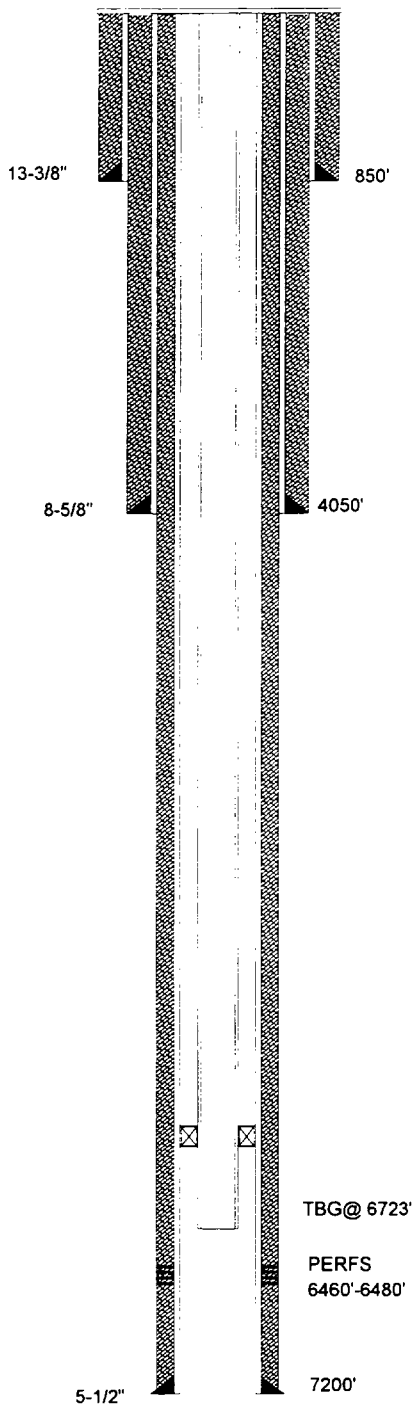
LUSK DEEP "A"

OPERATOR

LEASE

21	990' FSL & 660' FEL	SEC-20	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE
TYPE OF WELL: PRODUCING OIL AND GAS WELL		SPUD DATE: 1997		

SCHEMATIC



TABULAR DATA

1. SURFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 675 **sx**

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 1325 **sx**

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 1530 **sx**

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 7200 FEET

5. PERFORATIONS

6460 FEET TO: 6480 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

CULBERTSON-IRWIN INC.

LYNCH

OPERATOR

LEASE

4

660' FSL & 660' FEL

SEC-20

T-19-S

R-32-E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

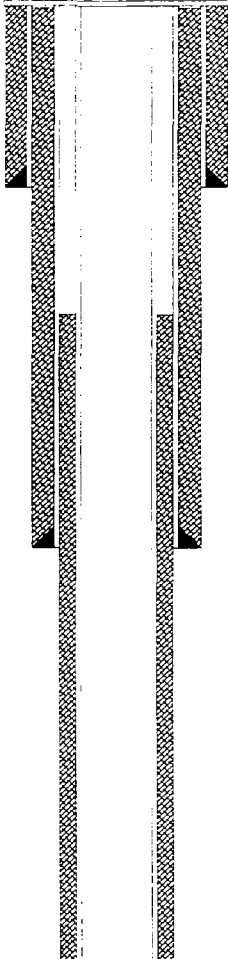
TYPE OF WELL:

DRY HOLE

SPUD DATE:

10/30/43

SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: UNKNOWN SX

TOC: UNKNOWN FEET DETERMINED BY: UNKNOWN

HOLE SIZE: UNKNOWN INCHES

2. INTERMEDIATE CASING

SIZE: UNKNOWN INCHES CEMENTED WITH: UNKNOWN SX

TOC: UNKNOWN FEET DETERMINED BY: UNKNOWN

HOLE SIZE: UNKNOWN INCHES

3. LONG STRING

SIZE: UNKNOWN INCHES CEMENTED WITH: UNKNOWN SX

TOC: UNKNOWN FEET DETERMINED BY: UNKNOWN

HOLE SIZE: UNKNOWN INCHES

4. TOTAL DEPTH: 2820 FEET

5. PERFORATIONS

UNKNOWN FEET TO UNKNOWN FEET

(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?

LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED.

UNKNOWN

FROM: DOWNS OIL AND RESEARCH
1424 PAIGE
HOBBS, N.M. , 88240

WELLS DRILLED BACK IN THE 1940'S
THAT WERE ON FEDERAL LAND WERE
NOT REQUIRED TO FURNISH THE OCD
WITH COPIES OF THE PUGGING LOG.
SO ALL THAT IS AVAILABLE IS THE
INFORMATION ON THE SCOUT TICKET.

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

Parker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

KERSEY & CO.

ATLANTIC

OPERATOR

LEASE

1

1650' FSL & 990' FWL

SEC-21

T-19-S

R-32-E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

TYPE OF WELL:

DRY HOLE

SPUD DATE:

9/18/59

SCHEMATIC

TABULAR DATA

CEMENT MARKER

1. SUFACE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 60 SX

TOC: UNKNOWN FEET DETERMINED BY: UNKNOWN

HOLE SIZE: UNKNOWN INCHES

2. INTERMEDIATE CASING

SIZE: PULLED INCHES CEMENTED WITH: N/A SX

TOC: N/A FEET DETERMINED BY: N/A

HOLE SIZE: N/A INCHES

3. LONG STRING

SIZE: PULLED INCHES CEMENTED WITH: N/A SX

TOC: N/A FEET DETERMINED BY: N/A

HOLE SIZE: N/A INCHES

4. TOTAL DEPTH: 2710 FEET

5. PERFORATIONS

N/A FEET TO: N/A FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?
LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED.

N/A

FILLED WITH MUD

917'

10 SXS CMT, PLUG

FILLED WITH MUD

10 SXS CMT, PLUG

2710'

8-5/8"

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

Parker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

SHACKELFORD OIL

LYNCH

OPERATOR

LEASE

1

660' FSL & 660' FWL

SEC-21

T-19-S

R-32-E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

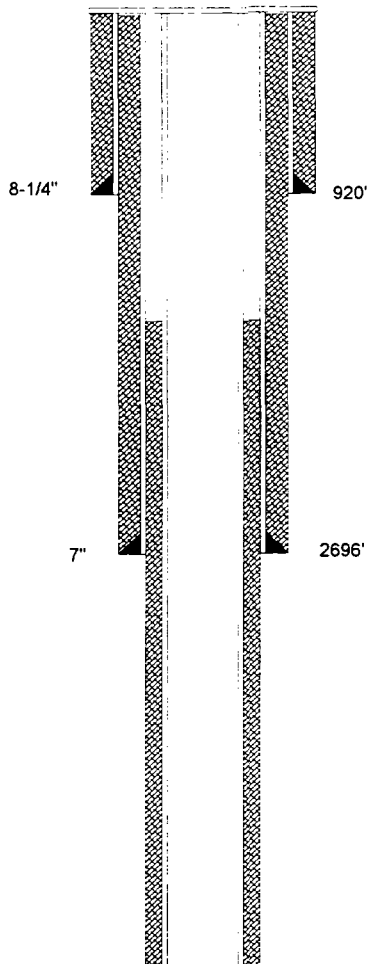
TYPE OF WELL:

PLUGGED & ABANDONED

SPUD DATE:

12/18/41

SCHEMATIC



TABULAR DATA

1. SURFACE CASING

SIZE: 8-1/4 INCHES CEMENTED WITH: 50 sx

TOC: UNKNOWN FEET DETERMINED BY: UNKNOWN

HOLE SIZE: UNKNOWN INCHES

2. INTERMEDIATE CASING

SIZE: 7 INCHES CEMENTED WITH: 100 sx

TOC: UNKNOWN FEET DETERMINED BY: UNKNOWN

HOLE SIZE: UNKNOWN INCHES

3. LONG STRING

SIZE: UNKNOWN INCHES CEMENTED WITH: UNKNOWN sx

TOC: UNKNOWN FEET DETERMINED BY: UNKNOWN

HOLE SIZE: UNKNOWN INCHES

4. TOTAL DEPTH: 2751 FEET

5. PERFORATIONS

UNKNOWN FEET TO UNKNOWN FEET

(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?

LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED.

UNKNOWN

FROM: DOWNS OIL AND RESEARCH
1424 PAIGE
HOBBS, N.M. , 88240

WELLS DRILLED BACK IN THE 1940'S
THAT WERE ON FEDERAL LAND WERE
NOT REQUIRED TO FURNISH THE OCD
WITH COPIES OF THE PUGGING LOG.
SO ALL THAT IS AVAILABLE IS THE
INFORMATION ON THE SCOUT TICKET.

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

Parker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

SHACKELFORD OIL

PLAINS FEDERAL

OPERATOR

LEASE

4 - X

710' FSL & 660' FWL

SEC-21

T-19-S

R-32-E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

TYPE OF WELL:

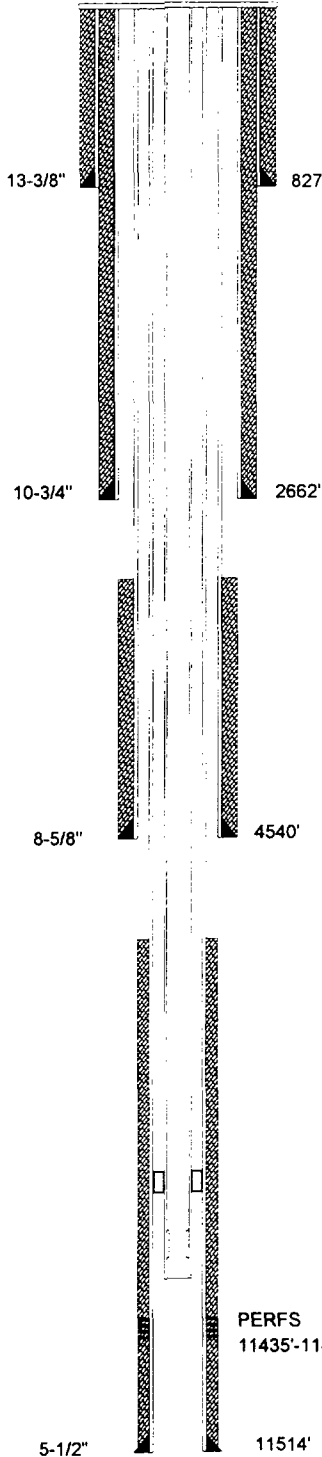
PRODUCING OIL AND GAS WELL

SPUD DATE:

1/4/64

TABULAR DATA

SCHEMATIC



1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 750 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 10-3/4 INCHES CEMENTED WITH: 700 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 12-1/4 INCHES

3. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 250 SX

TOC: 3500 FEET DETERMINED BY: Temp. Survey

HOLE SIZE: 9-7/8 INCHES

4. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 200 SX

TOC: 10714 FEET DETERMINED BY: Calculated

HOLE SIZE: 7-7/8 INCHES

5. TOTAL DEPTH: 11514 FEET

6. PERFORATIONS

11435 FEET TO: 11479 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

"PERFORATED"

**FORM C-108
SECTION VI
APPLICATION FOR AUTHORIZATION
TO INJECT**

**Parker & Parsley
Development L.P.**

**WATER INJECTION WELL
TABULATION OF WELL DATA**

WELL DATA SHEET

SHACKELFORD OIL

PLAINS FEDERAL

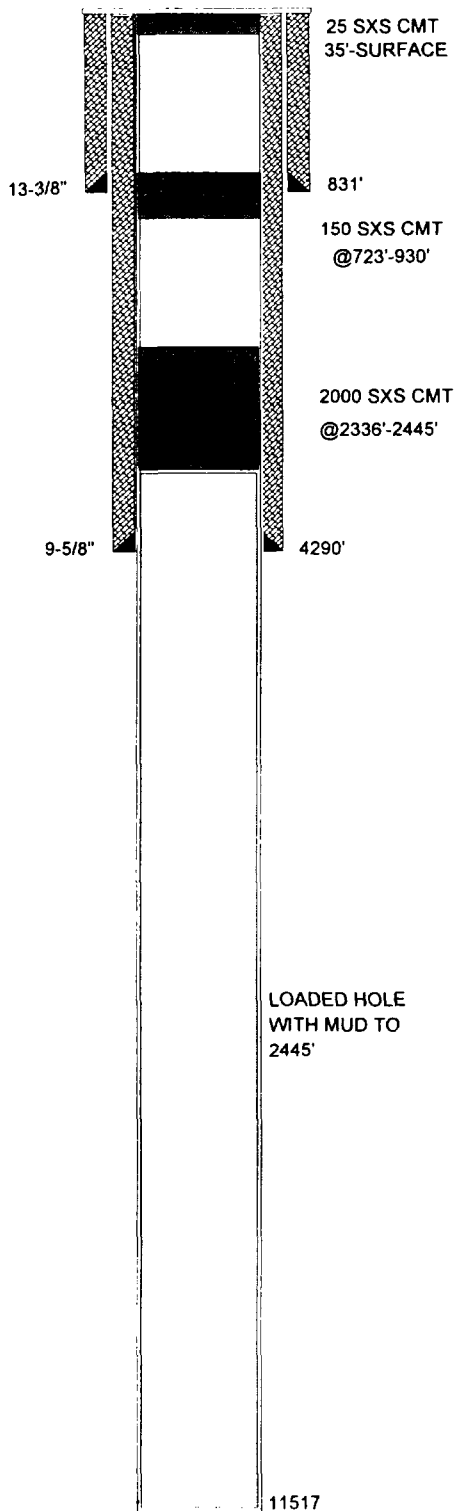
OPERATOR

LEASE

4	1930' FSL & 660' FWL	SEC-21	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PLUGGED & ABANDONED SPUD DATE: 9/12/63

SCHEMATIC



TABULAR DATA

1. SURFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 725 sx

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 9-5/8 INCHES CEMENTED WITH: 1000 sx

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 11 INCHES

3. LONG STRING

SIZE: N/A INCHES CEMENTED WITH: N/A sx

TOC: N/A FEET DETERMINED BY: N/A

HOLE SIZE: INCHES

4. TOTAL DEPTH: 11517 FEET

5. PERFORATIONS

N/A FEET TO: N/A FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?
LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NONE

FORM C-108
SECTION VI

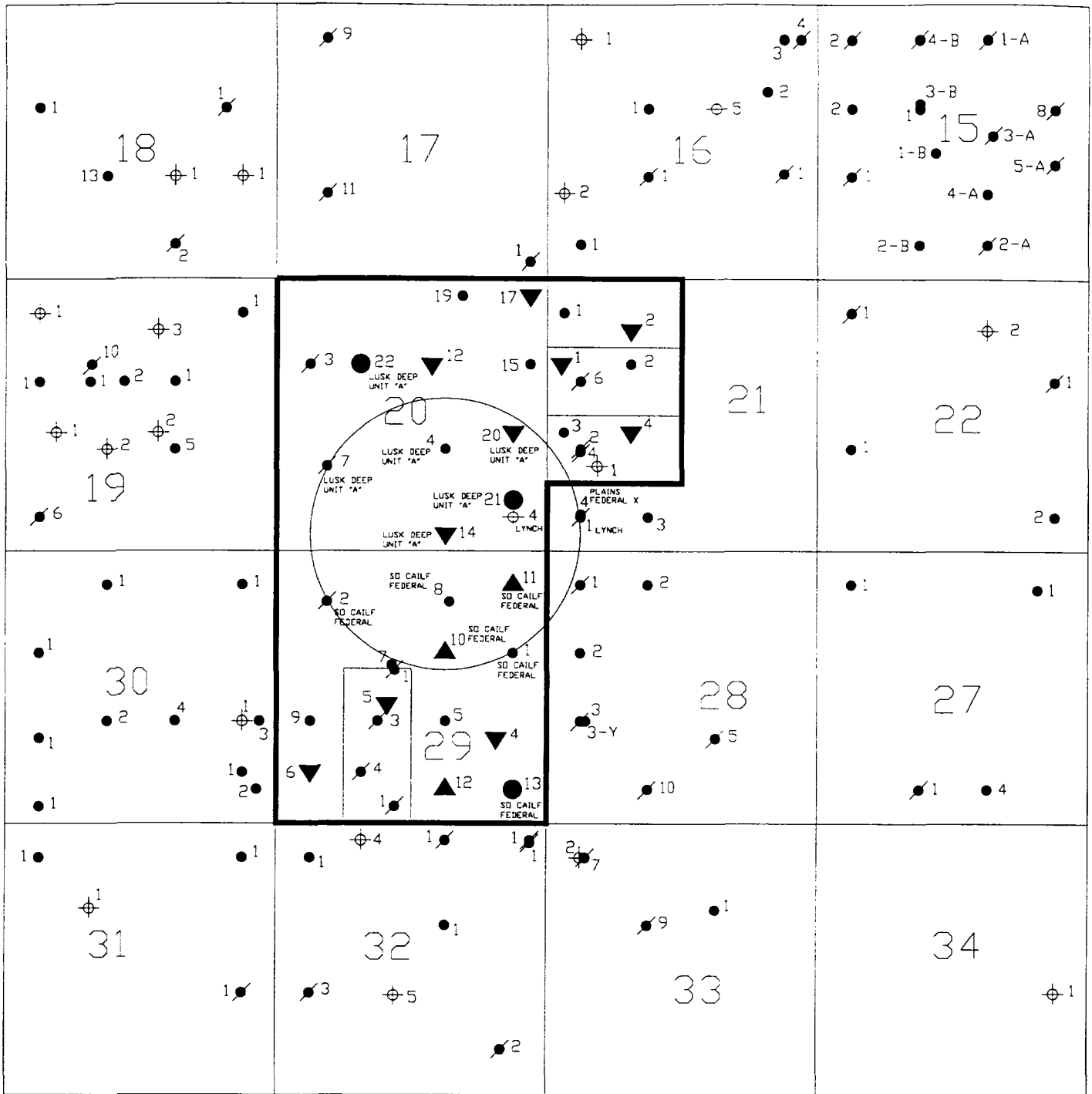
APPLICATION FOR AUTHORIZATION
TO INJECT

Parker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

SECTION V



PROPOSED INJECTION WELL DATA SHEET

OPERATOR: Parker & Parsley Development L.P.

LEASE: LUSK DEEP UNIT "A"

WELL NO14

330' FSL & 1980' FEL

SEC-20

T-19-S

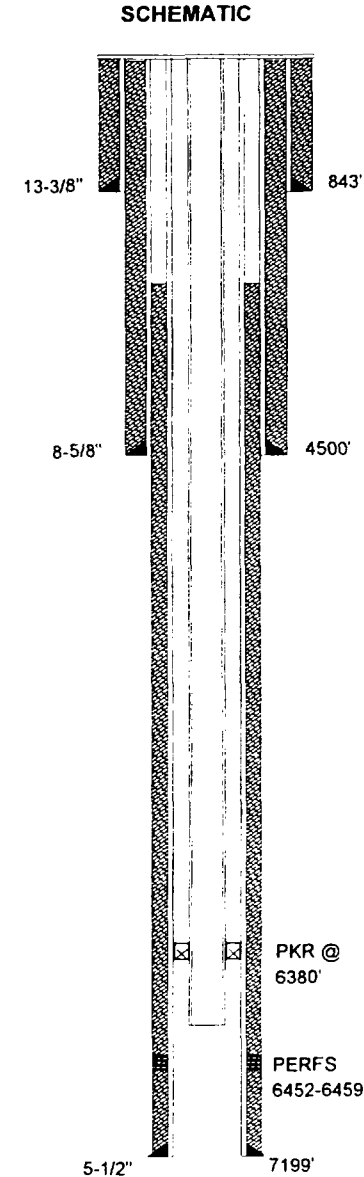
R-32-E

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE



WELL CONSTRUCTION DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES

CEMENTED WITH: 1000 sx

TOC: Surface

FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES

CEMENTED WITH: 1700 sx

TOC: Surface

FEET DETERMINED BY: Circulated

HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES

CEMENTED WITH: 850 sx

TOC: 2320

FEET DETERMINED BY: Temp. Survey

HOLE SIZE: 7-7/8 INCHES

4. INJECTION INTERVAL 6452 FEET TO: 6459 FEET

(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

"PERFORATED"

5. TOTAL DEPTH: 7200 FEET

6. TUBING SIZE

SIZE: 2-7/8 INCHES

LINED WITH: IPC 505 - PLASTIC COATING

SET IN A: ARROW SET 1-XS, PKR

PACKER AT: 6380 FEET:

OTHER DATA

A. IS THIS A NEW WELL DRILLED FOR INJECTION? YES NO

IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED? PRODUCING OIL AND GAS WELL

B. NAME THE INJECTION FORMATION: 6400' SAND (BRUSHY CANYON)

C. NAME THE FIELD OR POOL (IF APPLICABLE) LUSK WEST (DELAWARE)

D. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NO

E. GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA:

1. YATES 2600'-2800'	WATKINS YATES N.E. LUSK YATES S. LUSK YATES	5. STRAWN 11000'-11200'	LUSK STRAWN OIL
2. DELAWARE 4600'-7100'	W. LUSK DELAWARE LUSK DELAWARE	6. ATOKA 11200'-11400'	LUSK ATOKA GAS
3. BONE SPRING 8200'-8950'	WATKINS BONE SPRING LUSK BONE SPRING S. LUSK BONE SPRING E. LUSK BONE SPRING	7. MORROW 11500'-12000'	LUSK MORROW GAS N.W. LUSK MORROW GAS N. LUSK MORROW GAS
4. WOLF CAMP 10100'-10700'	LUSK WOLFCAMP OIL E. LUSK WOLFCAMP OIL S. LUSK WOLFCAMP OIL		

PROPOSED INJECTION WELL DATA SHEET

OPERATOR: Parker & Parsley Development L.P.

LEASE: SOUTHERN CALIFORNIA FEDERAL

WELL NO11

660' FNL & 660' FEL

SEC-29

T-19-S

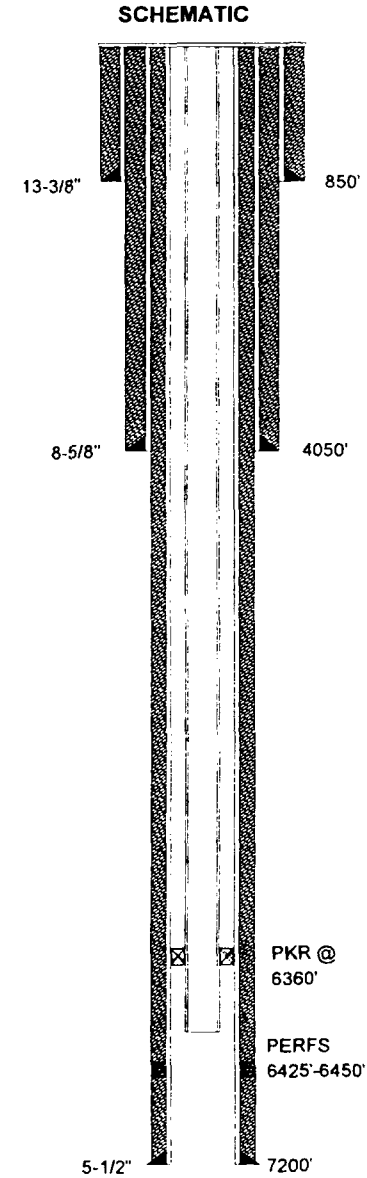
R-32-E

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE



WELL CONSTRUCTION DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHESCEMENTED WITH: 675 sx

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHESCEMENTED WITH: 775 sx

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 11 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHESCEMENTED WITH: 1265 sx

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 7-7/8 INCHES

4. INJECTION INTERVAL 6425 FEET TO: 6450 FEET

(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

"PERFORATED"

5. TOTAL DEPTH: 7200 FEET

6. TUBING SIZE

SIZE: 2-7/8 INCHES LINED WITH: IPC 505 - PLASTIC COATING

SET IN A: ARROW SET 1-XS, PKR PACKER AT: 6360 FEET:

OTHER DATA

A. IS THIS A NEW WELL DRILLED FOR INJECTION? X YES NO

IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED? N/A

B. NAME THE INJECTION FORMATION: 6400' SAND (BRUSHY CANYON)

C. NAME THE FIELD OR POOL (IF APPLICABLE) LUSK WEST (DELAWARE)

D. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NO

E. GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA:

1. YATES 2600'-2800'WATKINS YATES
N.E. LUSK YATES
S. LUSK YATES

5. STRAWN 11000'-11200'LUSK STRAWN OIL

2. DELAWARE 4600'-7100'W. LUSK DELAWARE
LUSK DELAWARE

6. ATOKA 11200'-11400'LUSK ATOKA GAS

3. BONE SPRING 8200'-8950'WATKINS BONE SPRING
LUSK BONE SPRING
S. LUSK BONE SPRING
E. LUSK BONE SPRING

7. MORROW 11500'-12000'LUSK MORROW GAS
N.W. LUSK MORROW GAS
N. LUSK MORROW GAS

4. WOLF CAMP 10100'-10700'LUSK WOLFCAMP OIL
E. LUSK WOLFCAMP OIL
S. LUSK WOLFCAMP OIL

FORM C-108
SECTION III
APPLICATION FOR AUTHORIZATION
TO INJECT
Parker & Parsley
Development L.P.
WATER INJECTION WELL

PROPOSED INJECTION WELL DATA SHEET

OPERATOR: Parker & Parsley Development L.P.

LEASE: SOUTHERN CALIFORNIA FEDERAL

WELL NO10

1980' FNL & 1980' FEL

SEC-29

T-19-S

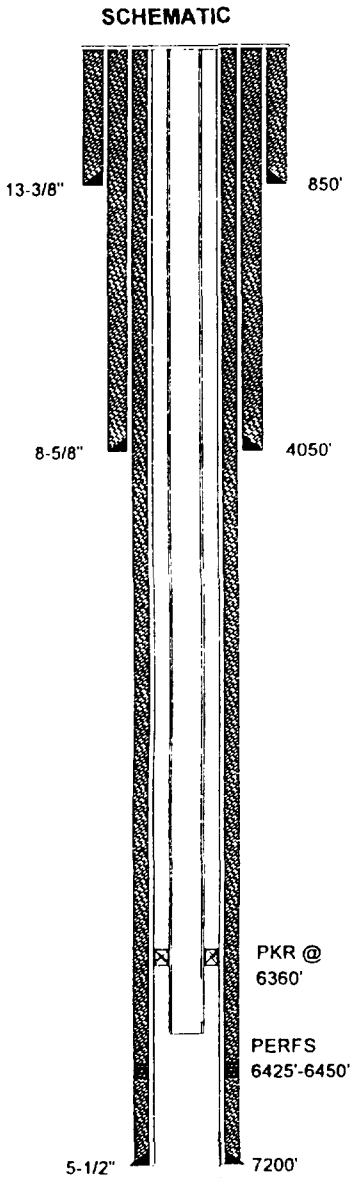
R-32-E

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE



WELL CONSTRUCTION DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHESCEMENTED WITH: 675 SXCemented with 675 SX

TOC: SurfaceFEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMIDIATE CASING

SIZE: 8-5/8 INCHESCEMENTED WITH: 775 SXCemented with 775 SX

TOC: SurfaceFEET DETERMINED BY: Circulated

HOLE SIZE: 11 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHESCEMENTED WITH: 1265 SXCemented with 1265 SX

TOC: SurfaceFEET DETERMINED BY: Circulated

HOLE SIZE: 7-7/8 INCHES

4. INJECTION INTERVAL 6425 FEET TO: 6450 FEET

(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

"PERFORATED"

5. TOTAL DEPTH: 7200 FEET

6. TUBING SIZE

SIZE: 2-7/8 INCHESLINED WITH: IPC 505 - PLASTIC COATING

SET IN A: ARROW SET 1-XS, PKRPACKER AT: 6360 FEET:

OTHER DATA

A. IS THIS A NEW WELL DRILLED FOR INJECTION? X YESNO

IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED? N/A

B. NAME THE INJECTION FORMATION: 6400' SAND (BRUSHY CANYON)

C. NAME THE FIELD OR POOL (IF APPLICABLE) LUSK WEST (DELAWARE)

D. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NO

E. GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA:

1. YATES 2600'-2800'	WATKINS YATES N.E. LUSK YATES S. LUSK YATES	5. STRAWN 11000'-11200'	LUSK STRAWN OIL
2. DELAWARE 4600'-7100'	W. LUSK DELAWARE LUSK DELAWARE	6. ATOKA 11200'-11400'	LUSK ATOKA GAS
3. BONE SPRING 8200'-8950'	WATKINS BONE SPRING LUSK BONE SPRING S. LUSK BONE SPRING E. LUSK BONE SPRING	7. MORROW 11500'-12000'	LUSK MORROW GAS N.W. LUSK MORROW GAS N. LUSK MORROW GAS
4. WOLF CAMP 10100'-10700'	LUSK WOLFCAMP OIL E. LUSK WOLFCAMP OIL S. LUSK WOLFCAMP OIL		

PROPOSED INJECTION WELL DATA SHEET

OPERATOR: Parker & Parsley Development L.P.

LEASE: LUSK DEEP UNIT "A"

WELL NO20

660' FEL & 2310' FSL

SEC-20

T-19-S

R-32-E

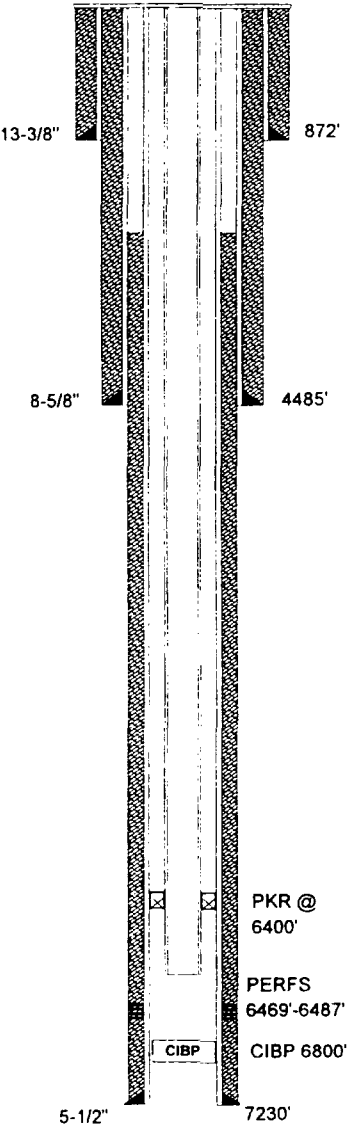
FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

SCHEMATIC



WELL CONSTRUCTION DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES

CEMENTED WITH: 900 SX

TOC: Surface

FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES

CEMENTED WITH: 2350 SX

TOC: Surface

FEET DETERMINED BY: Circulated

HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES

CEMENTED WITH: 800 SX

TOC: 3030

FEET DETERMINED BY: Temp. Survey

HOLE SIZE: 7-7/8 INCHES

4. INJECTION INTERVAL 6469 FEET TO: 6487 FEET

(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

"PERFORATED"

5. TOTAL DEPTH: 7230 FEET

6. TUBING SIZE

SIZE: 2-7/8 INCHES

LINED WITH: IPC 505 - PLASTIC COATING

SET IN A: ARROW SET 1-XS, PKR

PACKER AT: 6400 FEET:

OTHER DATA

A. IS THIS A NEW WELL DRILLED FOR INJECTION? YES NO

IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED? PRODUCING OIL AND GAS WELL

B. NAME THE INJECTION FORMATION: 6400' SAND (BRUSHY CANYON)

C. NAME THE FIELD OR POOL (IF APPLICABLE) LUSK WEST (DELAWARE)

D. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. PERFS 7050'-7154, SET CIBP, WITH 4 SK. CMT. ON TOP AT 6800'

E. GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA:

1. YATES 2600'-2800'	WATKINS YATES	5. STRAWN 11000'-11200'	LUSK STRAWN OIL
	N.E. LUSK YATES		
	S. LUSK YATES	6. ATOKA 11200'-11400'	LUSK ATOKA GAS
2. DELAWARE 4600'-7100'	W. LUSK DELAWARE	7. MORROW 11500'-12000'	LUSK MORROW GAS
	LUSK DELAWARE		N.W. LUSK MORROW GAS
			N. LUSK MORROW GAS
3. BONE SPRING 8200'-8950'	WATKINS BONE SPRING		
	LUSK BONE SPRING		
	S. LUSK BONE SPRING		
	E. LUSK BONE SPRING		
4. WOLF CAMP 10100'-10700'	LUSK WOLFCAMP OIL		
	E. LUSK WOLFCAMP OIL		
	S. LUSK WOLFCAMP OIL		

WELL DATA SHEET

**Parker & Parsley
Development L.P.**

LUSK DEEP "A"

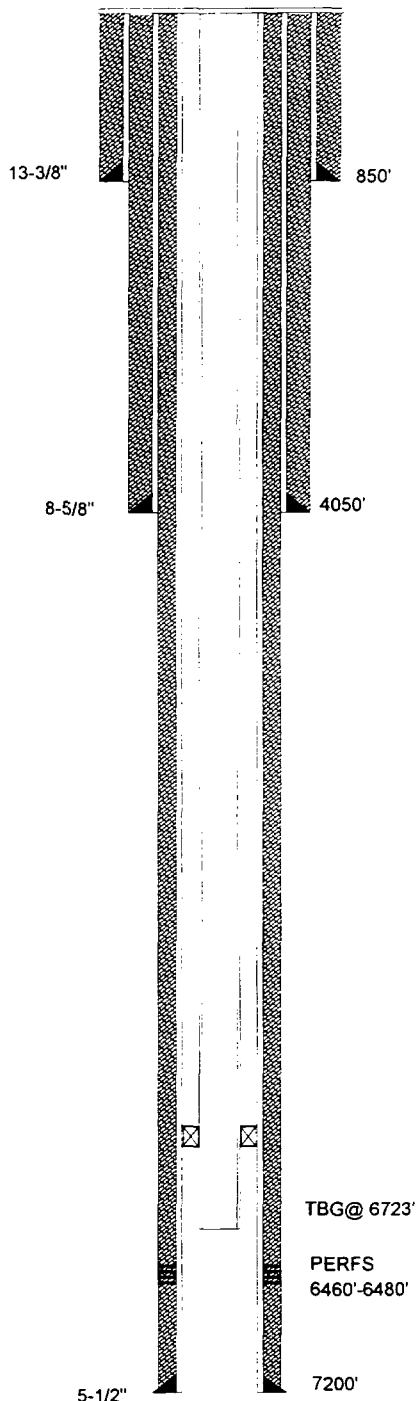
OPERATOR

LEASE

21	990' FSL & 660' FEL	SEC-20	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PRODUCING OIL AND GAS WELL SPUD DATE: 1997

SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 675 **SX**

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 1325 **SX**

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 1530 **SX**

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 7200 FEET

5. PERFORATIONS

6460 FEET TO: 6480 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

**Parker & Parsley
Development L.P.**

LUSK DEEP UNIT "A"

OPERATOR

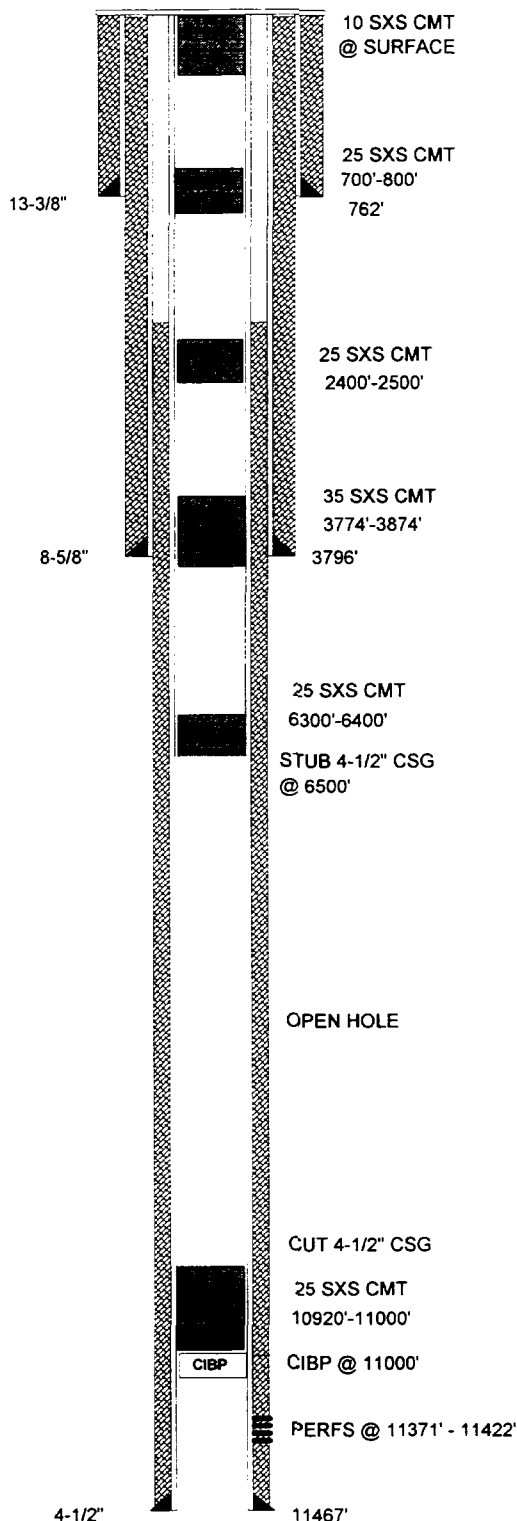
LEASE

7	1650' FSL & 990' FWL	SEC-20	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: **PLUGGED & ABANDONED**

SPUD DATE: **2/11/64**

SCHEMATIC



TABULAR DATA

1. SURFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 775 SX
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 2350 SX
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 4-1/2 INCHES CEMENTED WITH: 600 SX
 TOC: 7600 FEET DETERMINED BY: Temp. Survey
 HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 11467 FEET

5. PERFORATIONS

11371 FEET TO: 11422 FEET
 (PERFORATED OR OPEN HOLE ; INDICATE WHICH)
PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?
 LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
 DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NONE

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

Parker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

**Parker & Parsley
Development L.P.**

SOUTHERN CALIFORNIA FEDERAL

OPERATOR

LEASE

2

990' FNL & 990' FWL

SEC-29

T-19-S

R-32-E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

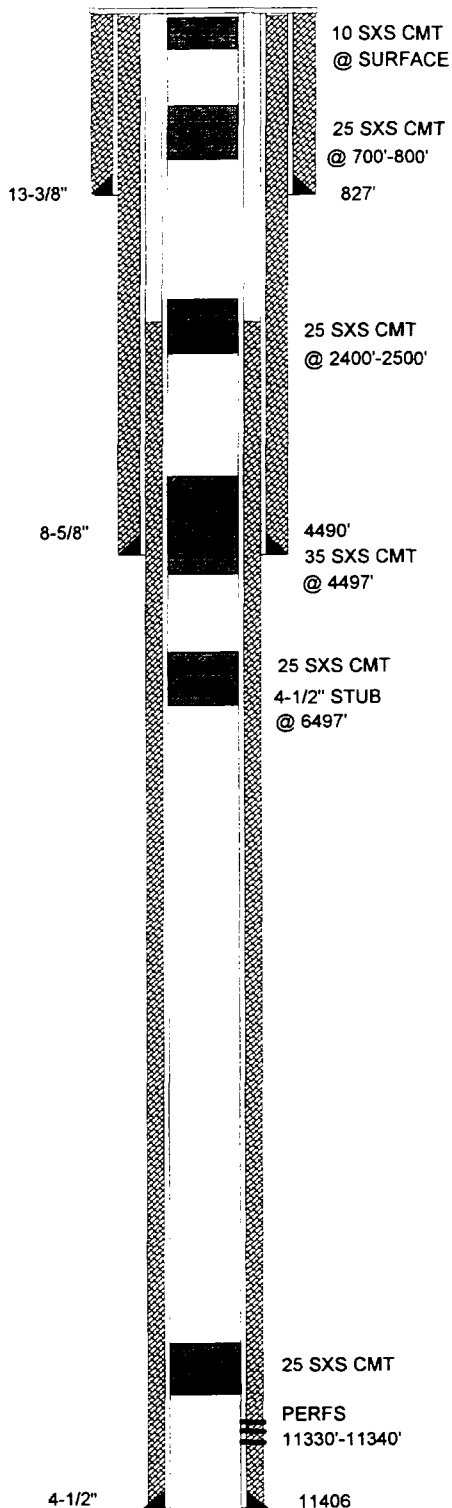
RANGE

TYPE OF WELL:

PLUGGED & ABANDONED

SPUD DATE: 3/15/63

SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 900 sx

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 2500 sx

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 11 INCHES

3. LONG STRING

SIZE: 4-1/2 INCHES CEMENTED WITH: 300 sx

TOC: 10100 FEET DETERMINED BY: Temp. Survey

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 11406 FEET

5. PERFORATIONS

11330 FEET TO: 11340 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?
LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NONE

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

Parker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

CULBERTSON-IRWIN INC.

LYNCH

OPERATOR

LEASE

4

660' FSL & 660' FEL

SEC-20

T-19-S

R-32-E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

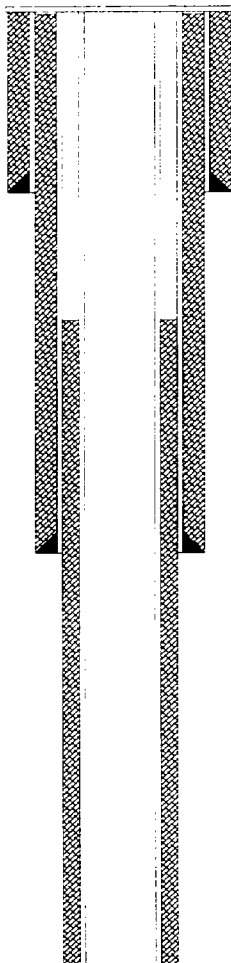
RANGE

TYPE OF WELL:

DRY HOLE

SPUD DATE: **10/30/43**

SCHEMATIC



TABULAR DATA

1. SURFACE CASING

SIZE: **8-5/8** INCHES CEMENTED WITH: **UNKNOWN** SX

TOC: **UNKNOWN** FEET DETERMINED BY: **UNKNOWN**

HOLE SIZE: **UNKNOWN** INCHES

2. INTERMEDIATE CASING

SIZE: **UNKNOWN** INCHES CEMENTED WITH: **UNKNOWN** SX

TOC: **UNKNOWN** FEET DETERMINED BY: **UNKNOWN**

HOLE SIZE: **UNKNOWN** INCHES

3. LONG STRING

SIZE: **UNKNOWN** INCHES CEMENTED WITH: **UNKNOWN** SX

TOC: **UNKNOWN** FEET DETERMINED BY: **UNKNOWN**

HOLE SIZE: **UNKNOWN** INCHES

4. TOTAL DEPTH: **2820** FEET

5. PERFORATIONS

UNKNOWN FEET TO **UNKNOWN** FEET

(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?

LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED.

UNKNOWN

FROM: DOWNS OIL AND RESEARCH
1424 PAIGE
HOBBS, N.M. , 88240

WELLS DRILLED BACK IN THE 1940'S
THAT WERE ON FEDERAL LAND WERE
NOT REQUIRED TO FURNISH THE OCD
WITH COPIES OF THE PUGGING LOG.
SO ALL THAT IS AVAILABLE IS THE
INFORMATION ON THE SCOUT TICKET.

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

Parker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

**Parker & Parsley
Development L.P.**

SOUTHERN CALIFORNIA FEDERAL

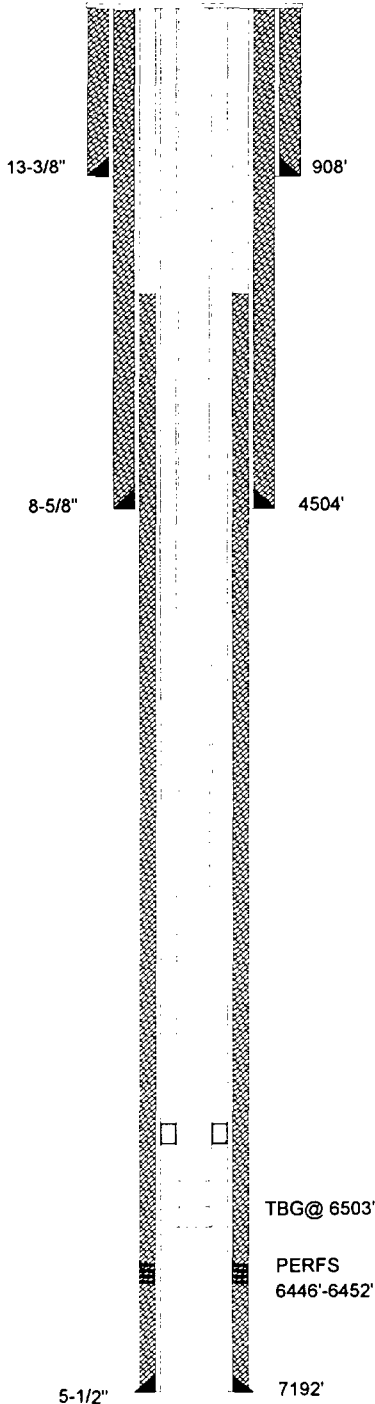
OPERATOR

LEASE

8	990' FNL & 1900' FEL	SEC-29	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PRODUCING OIL AND GAS WELL SPUD DATE: 4/16/88

SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 722 **sx**
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 2700 **sx**
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 800 **sx**
 TOC: 2280 FEET DETERMINED BY: Cmt Bond Log
 HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 7200 FEET

5. PERFORATIONS

6446 FEET TO: 6452 FEET
 (PERFORATED OR OPEN HOLE ; INDICATE WHICH)
 "PERFORATED"

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

**Parker & Parsley
Development L.P.**

SOUTHERN CALIFORNIA FEDERAL

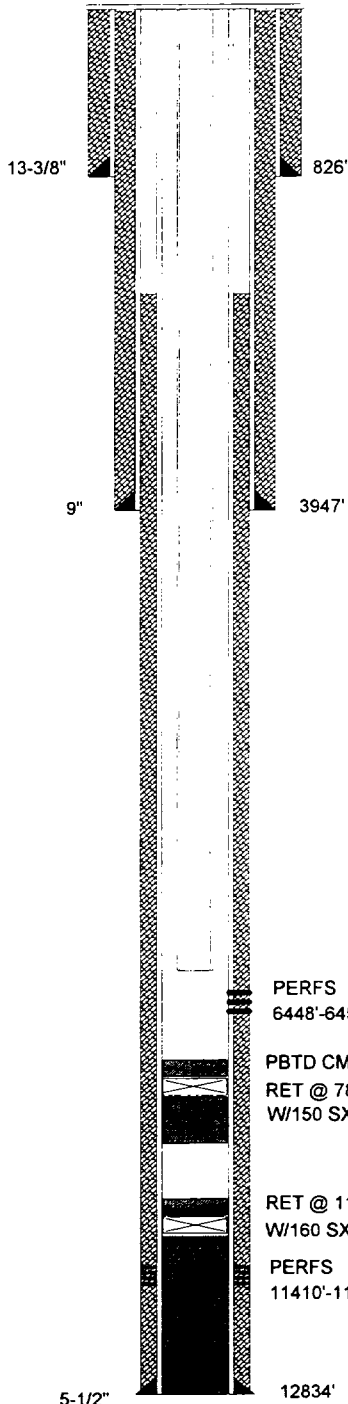
OPERATOR

LEASE

1	1980' FNL & 660' FEL	SEC-29	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PRODUCING OIL AND GAS WELL SPUD DATE: 3/23/62

SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 950 sx

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 9 INCHES CEMENTED WITH: 2725 sx

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 2140 sx

TOC: 2450 FEET DETERMINED BY: est. top of cmt sqz.

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 12834 FEET

5. PERFORATIONS

6448 FEET TO: 6458 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

**Parker & Parsley
Development L.P.**

LUSK DEEP UNIT "A"

OPERATOR

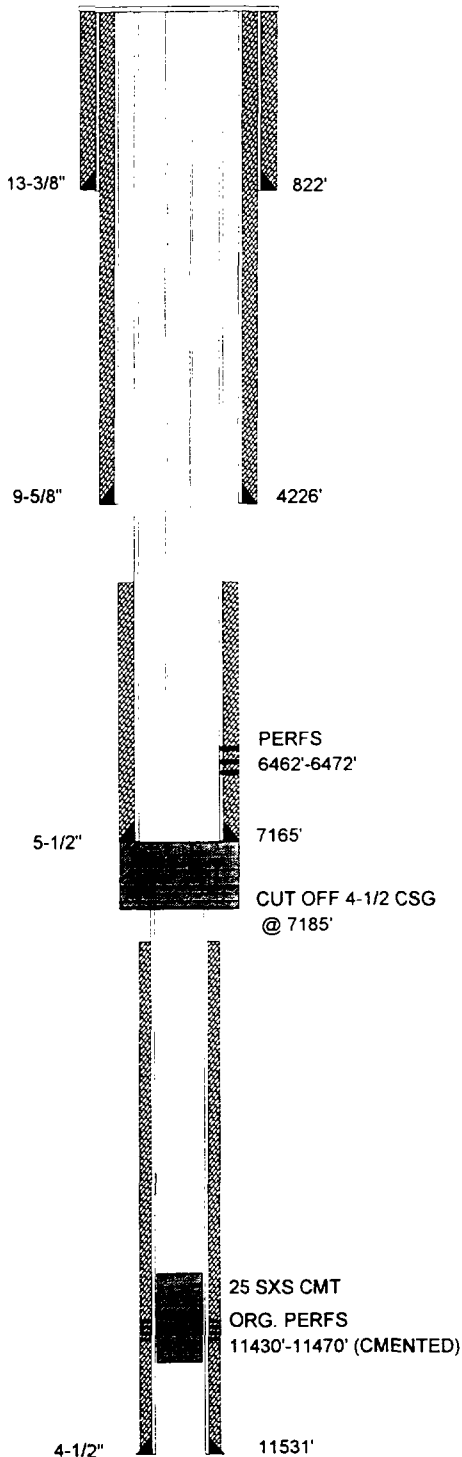
LEASE

4	1980' FSL & 1980' FEL	SEC-20	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PRODUCING OIL AND GAS WELL SPUD DATE: 10/5/62 RE-ENTRY 3/13/88

TABULAR DATA

SCHEMATIC



1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 1180 SX
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 9-5/8 INCHES CEMENTED WITH: 2365 SX
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

NOTE: 6/88 CUT AND PULLED 7185' OF 4-1/2 CSG

SIZE: 4-1/2 INCHES CEMENTED WITH: 300 SX
 TOC: 10000 FEET DETERMINED BY: Circulated
 HOLE SIZE: 7-7/8 INCHES

4. PRODUCTION STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 500 SX
 TOC: 5595 FEET DETERMINED BY: Calculated
 HOLE SIZE: 7-7/8 INCHES

5. TOTAL DEPTH: 11531 FEET

6. PERFORATIONS

6462 FEET TO: 6472 FEET
 (PERFORATED OR OPEN HOLE ; INDICATE WHICH)
 "PERFORATED"

FORM C-108
 SECTION VI
 APPLICATION FOR AUTHORIZATION
 TO INJECT

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL
 TABULATION OF WELL DATA

WELL DATA SHEET

SHACKELFORD OIL

PLAINS FEDERAL

OPERATOR

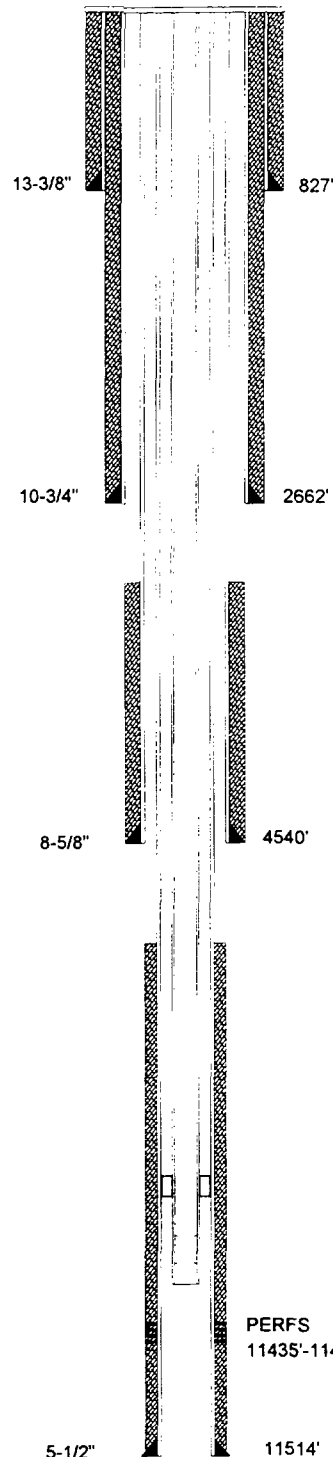
LEASE

4 - X	710' FSL & 660' FWL	SEC-21	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PRODUCING OIL AND GAS WELL SPUD DATE: 1/4/64

TABULAR DATA

SCHEMATIC



1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 750 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 10-3/4 INCHES CEMENTED WITH: 700 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 12-1/4 INCHES

3. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 250 SX

TOC: 3500 FEET DETERMINED BY: Temp. Survey

HOLE SIZE: 9-7/8 INCHES

4. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 200 SX

TOC: 10714 FEET DETERMINED BY: Calculated

HOLE SIZE: 7-7/8 INCHES

5. TOTAL DEPTH: 11514 FEET

6. PERFORATIONS

11435 FEET TO: 11479 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

FORM C-108
SECTION VI
APPLICATION FOR AUTHORIZATION
TO INJECT

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL
TABULATION OF WELL DATA

WELL DATA SHEET

SHACKELFORD OIL

LYNCH

OPERATOR

LEASE

1

660' FSL & 660' FWL

SEC-21

T-19-S

R-32-E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

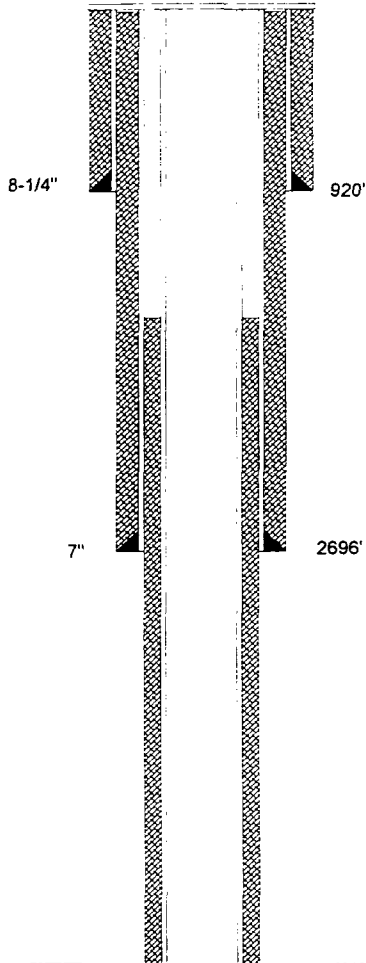
RANGE

TYPE OF WELL:

PLUGGED & ABANDONED

SPUD DATE: 12/18/41

SCHEMATIC



TABULAR DATA

1. SURFACE CASING

SIZE: 8-1/4 INCHES CEMENTED WITH: 50 sx

TOC: UNKNOWN FEET DETERMINED BY: UNKNOWN

HOLE SIZE: UNKNOWN INCHES

2. INTERMEDIATE CASING

SIZE: 7 INCHES CEMENTED WITH: 100 sx

TOC: UNKNOWN FEET DETERMINED BY: UNKNOWN

HOLE SIZE: UNKNOWN INCHES

3. LONG STRING

SIZE: UNKNOWN INCHES CEMENTED WITH: UNKNOWN sx

TOC: UNKNOWN FEET DETERMINED BY: UNKNOWN

HOLE SIZE: UNKNOWN INCHES

4. TOTAL DEPTH: 2751 FEET

5. PERFORATIONS

UNKNOWN FEET TO UNKNOWN FEET

(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?

LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED.

UNKNOWN

FROM: DOWNS OIL AND RESEARCH
1424 PAIGE
HOBBS, N.M. , 88240

WELLS DRILLED BACK IN THE 1940'S
THAT WERE ON FEDERAL LAND WERE
NOT REQUIRED TO FURNISH THE OCD
WITH COPIES OF THE PUGGING LOG.
SO ALL THAT IS AVAILABLE IS THE
INFORMATION ON THE SCOUT TICKET.

FORM C-108
SECTION VI

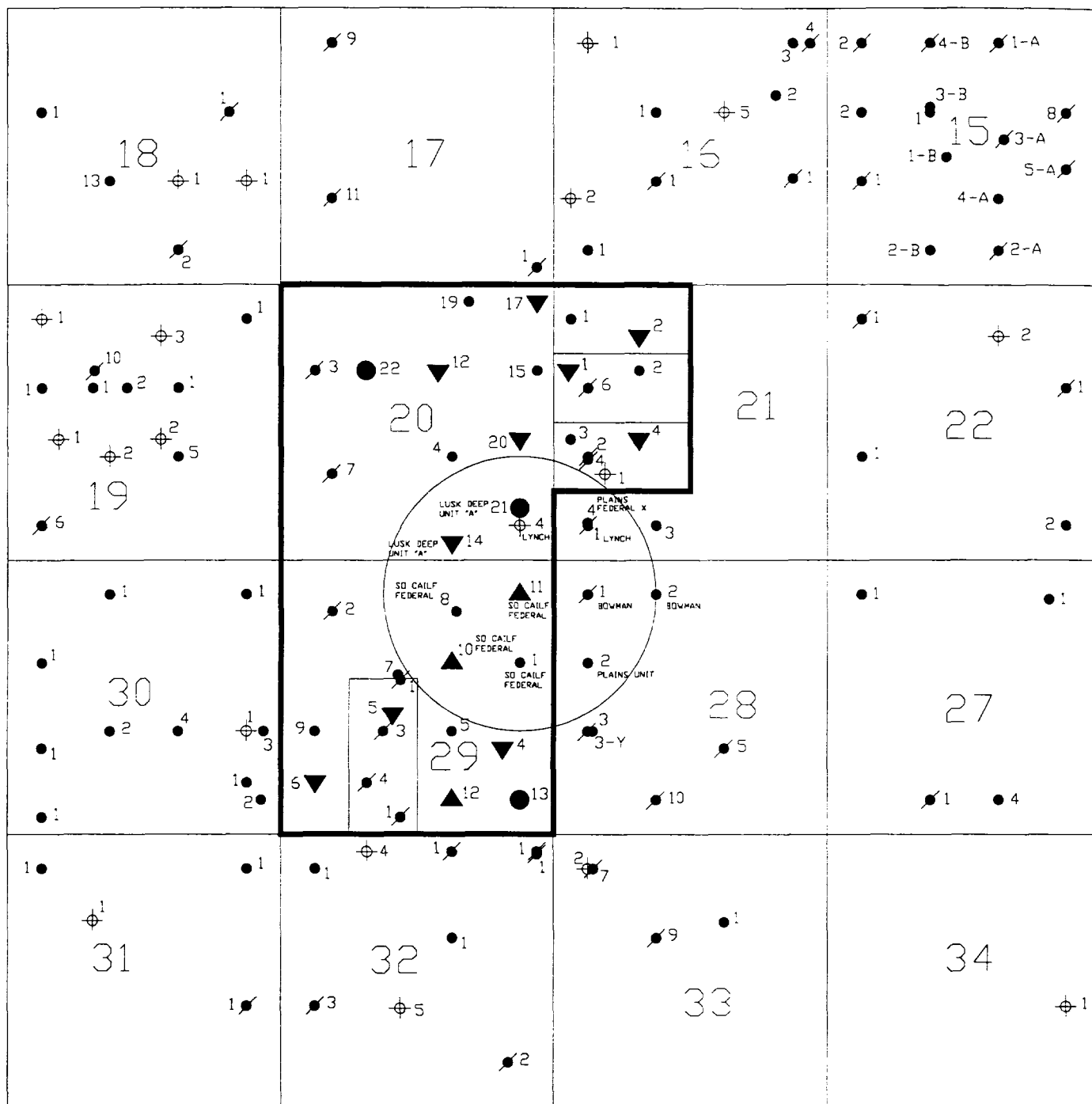
APPLICATION FOR AUTHORIZATION
TO INJECT

Parker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

SECTION V



PROPOSED INJECTION WELL DATA SHEET

OPERATOR: Parker & Parsley Development L.P.

LEASE: SOUTHERN CALIFORNIA FEDERAL

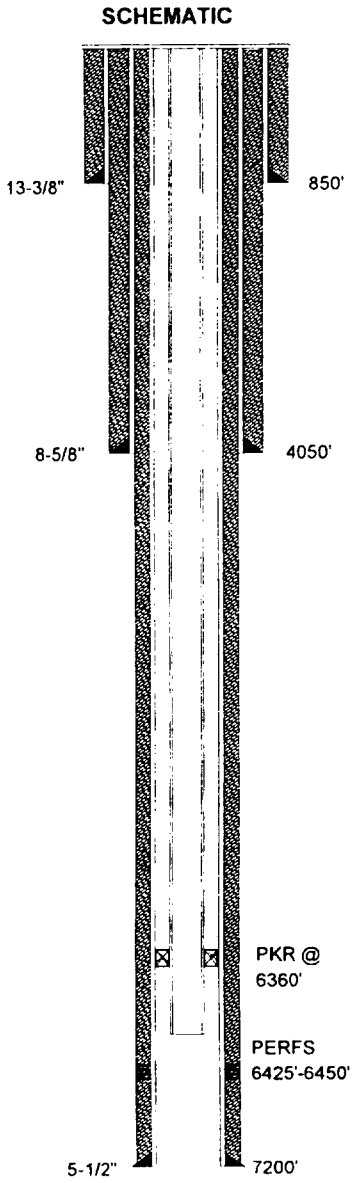
WELL NO11

FOOTAGE LOCATION660' FNL & 660' FEL

SECTIONSEC-29

TOWNSHIP T-19-S

RANGER-32-E



WELL CONSTRUCTION DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 675 sx

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 775 sx

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 11 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 1265 sx

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 7-7/8 INCHES

4. INJECTION INTERVAL 6425 FEET TO: 6450 FEET

(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

"PERFORATED"

5. TOTAL DEPTH: 7200 FEET

6. TUBING SIZE

SIZE: 2-7/8 INCHES LINED WITH: IPC 505 - PLASTIC COATING

SET IN A: ARROW SET 1-XS, PKR PACKER AT: 6360 FEET:

OTHER DATA

A. IS THIS A NEW WELL DRILLED FOR INJECTION? X YES NO

IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED? N/A

B. NAME THE INJECTION FORMATION: 6400' SAND (BRUSHY CANYON)

C. NAME THE FIELD OR POOL (IF APPLICABLE) LUSK WEST (DELAWARE)

D. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NO

E. GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA:

1. YATES 2600'-2800'	WATKINS YATES N.E. LUSK YATES S. LUSK YATES	5. STRAWN 11000'-11200'	LUSK STRAWN OIL
2. DELAWARE 4600'-7100'	W. LUSK DELAWARE LUSK DELAWARE	6. ATOKA 11200'-11400'	LUSK ATOKA GAS
3. BONE SPRING 8200'-8950'	WATKINS BONE SPRING LUSK BONE SPRING S. LUSK BONE SPRING E. LUSK BONE SPRING	7. MORROW 11500'-12000'	LUSK MORROW GAS N.W. LUSK MORROW GAS N. LUSK MORROW GAS
4. WOLF CAMP 10100'-10700'	LUSK WOLFCAMP OIL E. LUSK WOLFCAMP OIL S. LUSK WOLFCAMP OIL		

PROPOSED INJECTION WELL DATA SHEET

OPERATOR: Parker & Parsley Development L.P.

LEASE: SOUTHERN CALIFORNIA FEDERAL

WELL NO10

1980' FNL & 1980' FEL

SEC-29

T-19-S

R-32-E

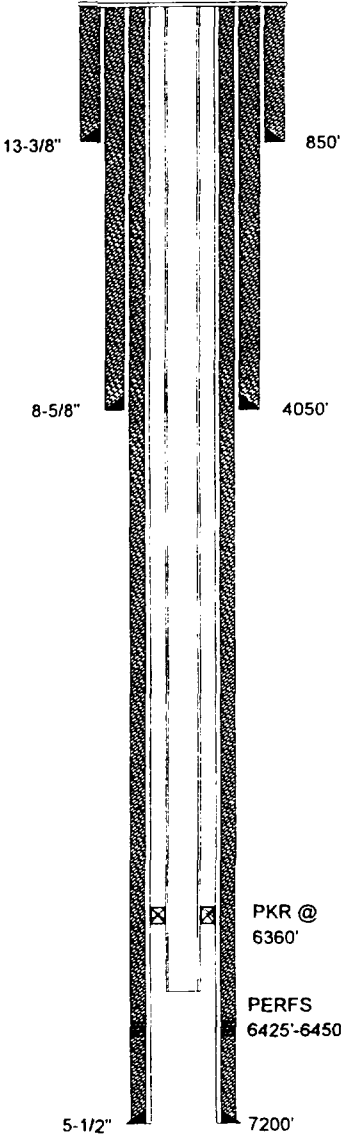
FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

SCHEMATIC



WELL CONSTRUCTION DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES

CEMENTED WITH: 675 sx

TOC: Surface

FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES

CEMENTED WITH: 775 sx

TOC: Surface

FEET DETERMINED BY: Circulated

HOLE SIZE: 11 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES

CEMENTED WITH: 1265 sx

TOC: Surface

FEET DETERMINED BY: Circulated

HOLE SIZE: 7-7/8 INCHES

4. INJECTION INTERVAL 6425 FEET TO: 6450 FEET

(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

"PERFORATED"

5. TOTAL DEPTH: 7200 FEET

6. TUBING SIZE

SIZE: 2-7/8 INCHES

LINED WITH: IPC 505 - PLASTIC COATING

SET IN A: ARROW SET 1-XS, PKR

PACKER AT: 6360 FEET:

OTHER DATA

A. IS THIS A NEW WELL DRILLED FOR INJECTION? X YES NO

IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED? N/A

B. NAME THE INJECTION FORMATION: 6400' SAND (BRUSHY CANYON)

C. NAME THE FIELD OR POOL (IF APPLICABLE) LUSK WEST (DELAWARE)

D. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NO

E. GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA:

1. YATES 2600'-2800'	WATKINS YATES	5. STRAWN 11000'-11200'	LUSK STRAWN OIL
	N.E. LUSK YATES	6. ATOKA 11200'-11400'	LUSK ATOKA GAS
	S. LUSK YATES		
2. DELAWARE 4600'-7100'	W. LUSK DELAWARE	7. MORROW 11500'-12000'	LUSK MORROW GAS
	LUSK DELAWARE		N.W. LUSK MORROW GAS
			N. LUSK MORROW GAS
3. BONE SPRING 8200'-8950'	WATKINS BONE SPRING		
	LUSK BONE SPRING		
	S. LUSK BONE SPRING		
	E. LUSK BONE SPRING		
4. WOLF CAMP 10100'-10700'	LUSK WOLFCAMP OIL		
	E. LUSK WOLFCAMP OIL		
	S. LUSK WOLFCAMP OIL		

PROPOSED INJECTION WELL DATA SHEET

OPERATOR:

Parker & Parsley
Development L.P.

LEASE:

LUSK DEEP UNIT "A"

WELL NO

14

330' FSL & 1980' FEL

SEC-20

T-19-S

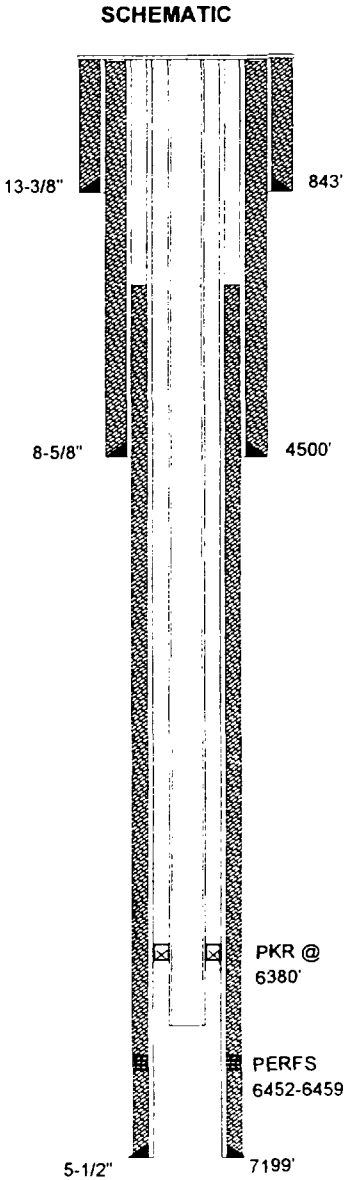
R-32-E

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE



WELL CONSTRUCTION DATA

1. SUFACE CASING

SIZE:

13-3/8

INCHES

CEMENTED WITH:

1000

sx

TOC:

Surface

FEET DETERMINED BY:

Circulated

HOLE SIZE:

17-1/2

INCHES

2. INTERMEDIATE CASING

SIZE:

8-5/8

INCHES

CEMENTED WITH:

1700

sx

TOC:

Surface

FEET DETERMINED BY:

Circulated

HOLE SIZE:

12-1/4

INCHES

3. LONG STRING

SIZE:

5-1/2

INCHES

CEMENTED WITH:

850

sx

TOC:

2320

FEET DETERMINED BY:

Temp. Survey

HOLE SIZE:

7-7/8

INCHES

4. INJECTION INTERVAL

6452

FEET TO:

6459

FEET

(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

"PERFORATED"

5. TOTAL DEPTH:

7200

FEET

6. TUBING SIZE

SIZE:

2-7/8

INCHES

LINED WITH:

IPC 505 - PLASTIC COATING

SET IN A:

ARROW SET 1-XS, PKR

PACKER AT:

6380

FEET:

OTHER DATA

A.

IS THIS A NEW WELL DRILLED FOR INJECTION?

YES

X

NO

IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED?

PRODUCING OIL AND GAS WELL

B.

NAME THE INJECTION FORMATION:

6400' SAND (BRUSHY CANYON)

C.

NAME THE FIELD OR POOL (IF APPLICABLE)

LUSK WEST (DELAWARE)

D.

HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED.

NO

E.

GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA:

1. YATES 2600'-2800'	WATKINS YATES N.E. LUSK YATES S. LUSK YATES	5. STRAWN 11000'-11200'	LUSK STRAWN OIL
2. DELAWARE 4600'-7100'	W. LUSK DELAWARE LUSK DELAWARE	6. ATOKA 11200'-11400'	LUSK ATOKA GAS
3. BONE SPRING 8200'-8950'	WATKINS BONE SPRING LUSK BONE SPRING S. LUSK BONE SPRING E. LUSK BONE SPRING	7. MORROW 11500'-12000'	LUSK MORROW GAS N.W. LUSK MORROW GAS N. LUSK MORROW GAS
4. WOLF CAMP 10100'-10700'	LUSK WOLFCAMP OIL E. LUSK WOLFCAMP OIL S. LUSK WOLFCAMP OIL		

WELL DATA SHEET

SHACKELFORD OIL

LYNCH

OPERATOR

LEASE

1

660' FSL & 660' FWL

SEC-21

T-19-S

R-32-E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

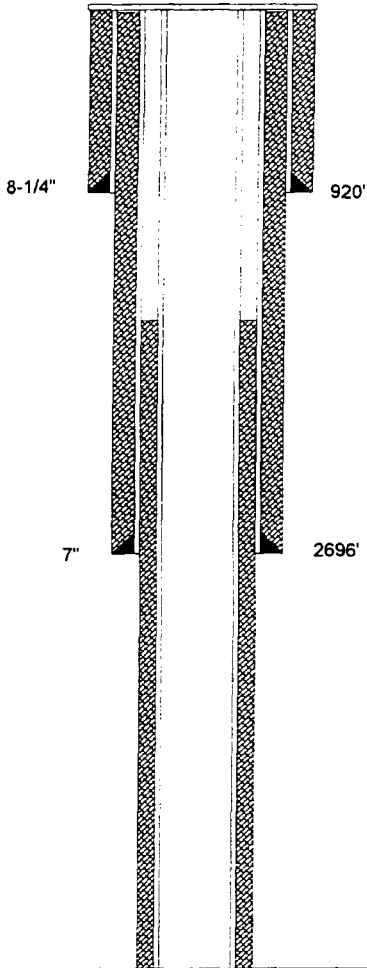
TYPE OF WELL:

PLUGGED & ABANDONED

SPUD DATE:

12/18/41

SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 8-1/4 INCHES CEMENTED WITH: 50 sx

TOC: UNKNOWN FEET DETERMINED BY: UNKNOWN

HOLE SIZE: UNKNOWN INCHES

2. INTERMEDIATE CASING

SIZE: 7 INCHES CEMENTED WITH: 100 sx

TOC: UNKNOWN FEET DETERMINED BY: UNKNOWN

HOLE SIZE: UNKNOWN INCHES

3. LONG STRING

SIZE: UNKNOWN INCHES CEMENTED WITH: UNKNOWN sx

TOC: UNKNOWN FEET DETERMINED BY: UNKNOWN

HOLE SIZE: UNKNOWN INCHES

4. TOTAL DEPTH: 2751 FEET

5. PERFORATIONS

UNKNOWN FEET TO UNKNOWN FEET

(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?

**ST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED.**

UNKNOWN

**FROM: DOWNS OIL AND RESEARCH
1424 PAIGE
HOBBS, N.M. , 88240**

**WELLS DRILLED BACK IN THE 1940'S
THAT WERE ON FEDERAL LAND WERE
NOT REQUIRED TO FURNISH THE OCD
WITH COPIES OF THE PUGGING LOG.
SO ALL THAT IS AVAILABLE IS THE
INFORMATION ON THE SCOUT TICKET.**

**FORM C-108
SECTION VI**

**APPLICATION FOR AUTHORIZATION
TO INJECT**

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

SHACKELFORD OIL

PLAINS FEDERAL

OPERATOR

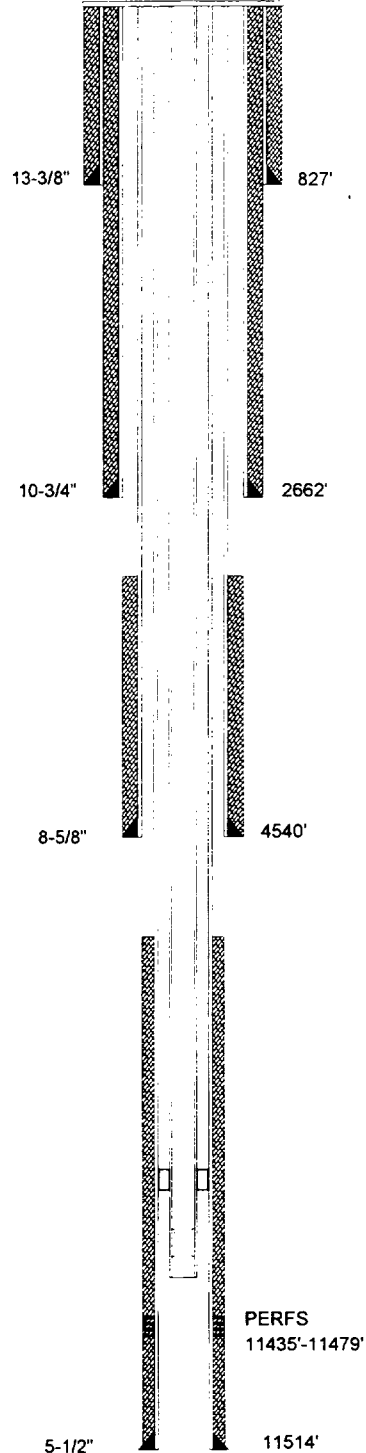
LEASE

4 - X	710' FSL & 660' FWL	SEC-21	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PRODUCING OIL AND GAS WELL SPUD DATE: 1/4/64

TABULAR DATA

SCHEMATIC



1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 750 **SX**

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 10-3/4 INCHES CEMENTED WITH: 700 **SX**

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 12-1/4 INCHES

3. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 250 **SX**

TOC: 3500 FEET DETERMINED BY: Temp. Survey

HOLE SIZE: 9-7/8 INCHES

4. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 200 **SX**

TOC: 10714 FEET DETERMINED BY: Calculated

HOLE SIZE: 7-7/8 INCHES

5. TOTAL DEPTH: 11514 FEET

6. PERFORATIONS

11435 FEET TO: 11479 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

FORM C-108
SECTION VI
APPLICATION FOR AUTHORIZATION
TO INJECT

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL
TABULATION OF WELL DATA

WELL DATA SHEET

CULBERTSON-IRWIN INC.

BOWMAN

OPERATOR

LEASE

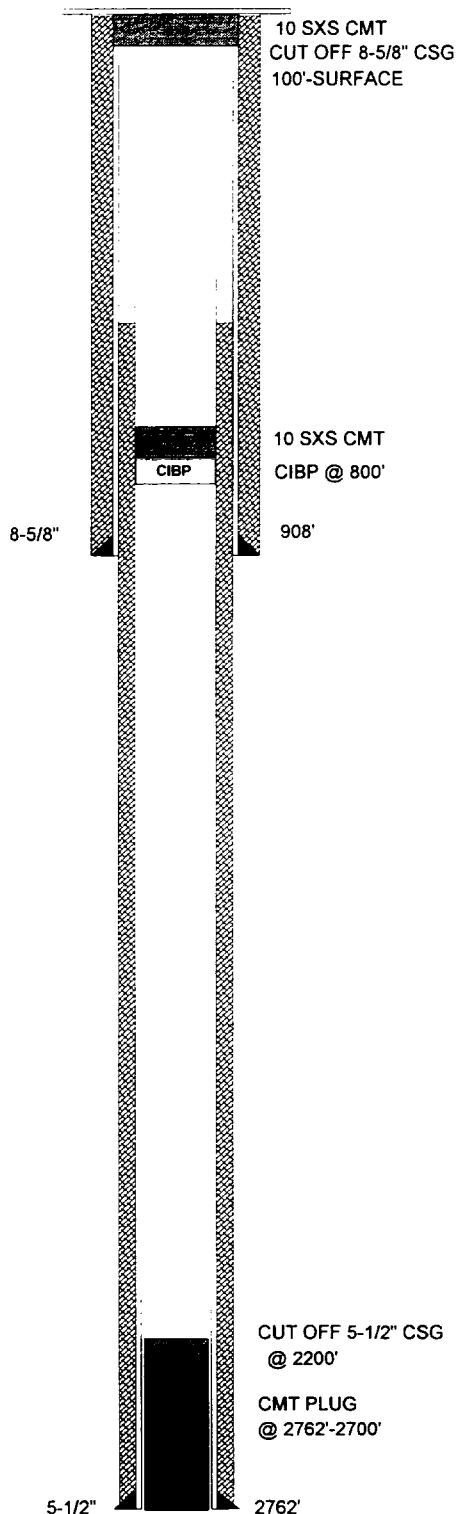
1	660' FNL & 660' FWL	SEC-28	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PLUGGED & ABANDONED

SPUD DATE: 2/21/42

SCHEMATIC

TABULAR DATA



1. SURFACE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 50 **SX**

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 11 INCHES

2. INTERMEDIATE CASING

SIZE: N/A INCHES CEMENTED WITH: N/A **SX**

TOC: N/A FEET DETERMINED BY: N/A

HOLE SIZE: N/A INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 100 **SX**

TOC: 2391 FEET DETERMINED BY: Temp. Survey

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 2811 FEET

5. PERFORATIONS

2680 FEET TO: 2955 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?
LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NONE

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

Parker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

SHACKELFORD OIL

BOWMAN

OPERATOR

LEASE

2

660' FNL & 1980' FWL

SEC-28

T-19-S

R-32-E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

TYPE OF WELL:

PRODUCING OIL AND GAS WELL

SPUD DATE:

9/30/42

SCHEMATIC

TABULAR DATA

1. SURFACE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 50 sx

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 11 INCHES

2. INTERMEDIATE CASING

SIZE: N/A INCHES CEMENTED WITH: N/A sx

TOC: N/A FEET DETERMINED BY: N/A

HOLE SIZE: N/A INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 50 sx

TOC: 2540 FEET DETERMINED BY: Calculated

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 2771 FEET

5. PERFORATIONS

2709 FEET TO: 2750 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

8-5/8"

928'

PERFS
2709-2750

5-1/2"

2750'

**FORM C-108
SECTION VI**

**APPLICATION FOR AUTHORIZATION
TO INJECT**

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

**Parker & Parsley
Development L.P.**

OPERATOR

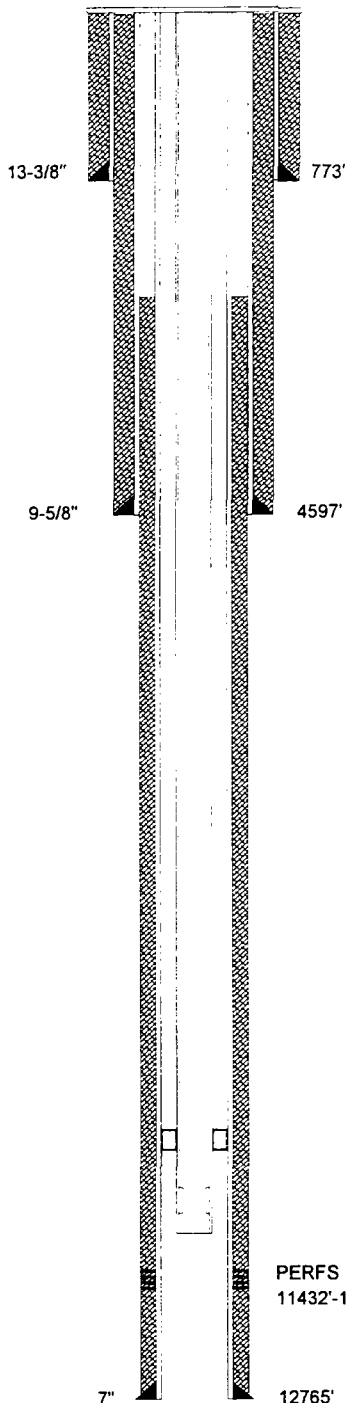
PLAINS UNIT

LEASE

2	1980' FNL & 660' FWL	SEC-28	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PRODUCING OIL AND GAS WELL SPUD DATE: 3/19/63

SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 750 SX
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 9-5/8 INCHES CEMENTED WITH: 4250 SX
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 7 INCHES CEMENTED WITH: 750 SX
 TOC: 4490 FEET DETERMINED BY: Temp. Survey
 HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 12996 FEET

5. PERFORATIONS

11432 FEET TO: 12530 FEET
 (PERFORATED OR OPEN HOLE ; INDICATE WHICH)
 "PERFORATED"

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

**Parker & Parsley
Development L.P.**

SOUTHERN CALIFORNIA FEDERAL

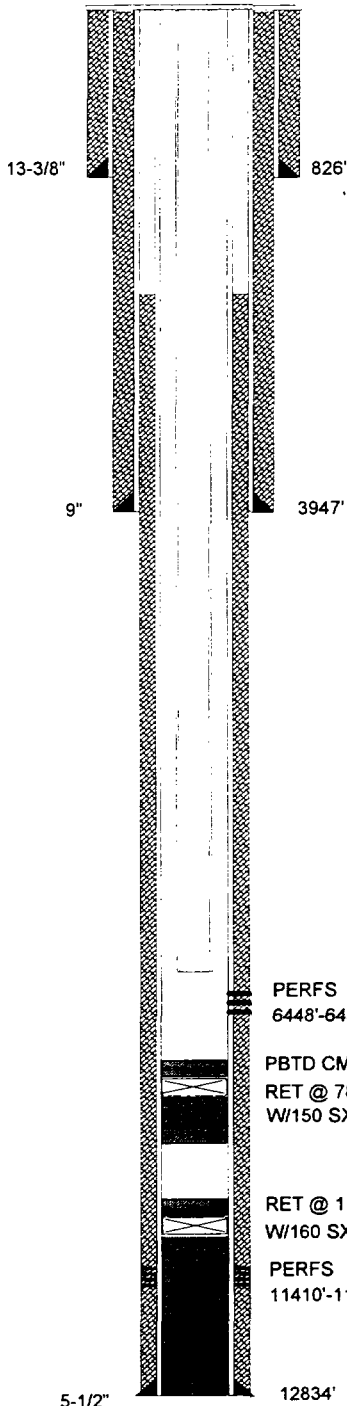
OPERATOR

LEASE

1	1980' FNL & 660' FEL	SEC-29	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PRODUCING OIL AND GAS WELL SPUD DATE: 3/23/62

SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 950 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 9 INCHES CEMENTED WITH: 2725 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 2140 SX

TOC: 2450 FEET DETERMINED BY: est. top of cmt sqz.

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 12834 FEET

5. PERFORATIONS

6448 FEET TO: 6458 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

**Parker & Parsley
Development L.P.**

SOUTHERN CALIFORNIA FEDERAL

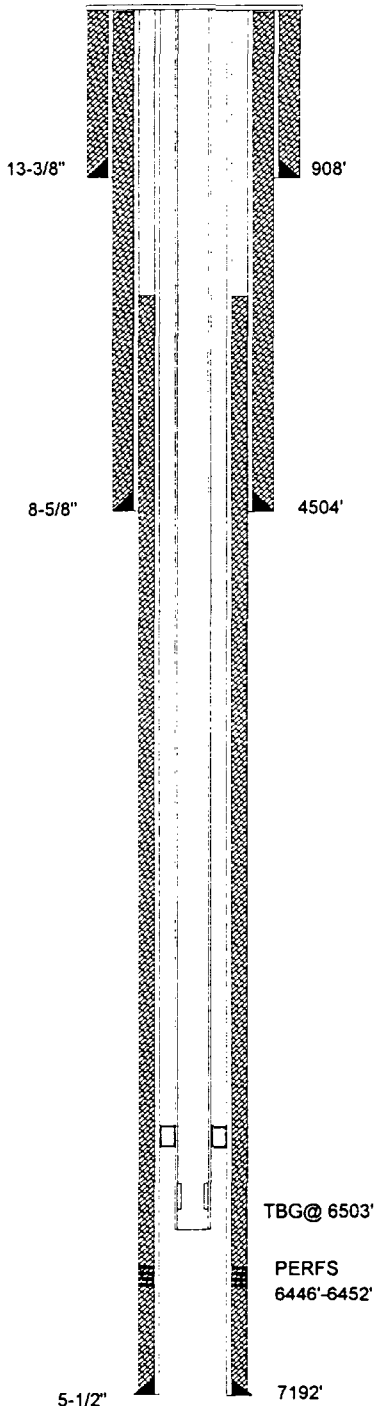
OPERATOR

LEASE

8	990' FNL & 1900' FEL	SEC-29	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PRODUCING OIL AND GAS WELL SPUD DATE: 4/16/88

SCHEMATIC



TABULAR DATA

1. SURFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 722 **SX**

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 2700 **SX**

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 800 **SX**

TOC: 2280 FEET DETERMINED BY: Cmt Bond Log

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 7200 FEET

5. PERFORATIONS

6446 FEET TO: 6452 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

CULBERTSON-IRWIN INC.

LYNCH

OPERATOR

LEASE

4
WELL NO.

660' FSL & 660' FEL
FOOTAGE LOCATION

SEC-20
SECTION

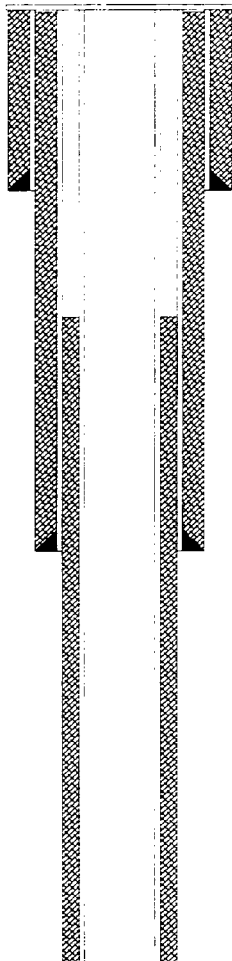
T-19-S
TOWNSHIP

R-32-E
RANGE

TYPE OF WELL: DRY HOLE

SPUD DATE: 10/30/43

SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: UNKNOWN sx

TOC: UNKNOWN FEET DETERMINED BY: UNKNOWN

HOLE SIZE: UNKNOWN INCHES

2. INTERMEDIATE CASING

SIZE: UNKNOWN INCHES CEMENTED WITH: UNKNOWN sx

TOC: UNKNOWN FEET DETERMINED BY: UNKNOWN

HOLE SIZE: UNKNOWN INCHES

3. LONG STRING

SIZE: UNKNOWN INCHES CEMENTED WITH: UNKNOWN sx

TOC: UNKNOWN FEET DETERMINED BY: UNKNOWN

HOLE SIZE: UNKNOWN INCHES

4. TOTAL DEPTH: 2820 FEET

5. PERFORATIONS

UNKNOWN FEET TO UNKNOWN FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?
LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED.

UNKNOWN

FROM: DOWNS OIL AND RESEARCH
1424 PAIGE
HOBBS, N.M. , 88240

WELLS DRILLED BACK IN THE 1940'S
THAT WERE ON FEDERAL LAND WERE
NOT REQUIRED TO FURNISH THE OCD
WITH COPIES OF THE PUGGING LOG.
SO ALL THAT IS AVAILABLE IS THE
INFORMATION ON THE SCOUT TICKET.

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

Parker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

PROPOSED INJECTION WELL DATA SHEET

OPERATOR: Parker & Parsley Development L.P.

LEASE: SOUTHERN CALIFORNIA FEDERAL

WELL NO10

1980' FNL & 1980' FEL

SEC-29

T-19-S

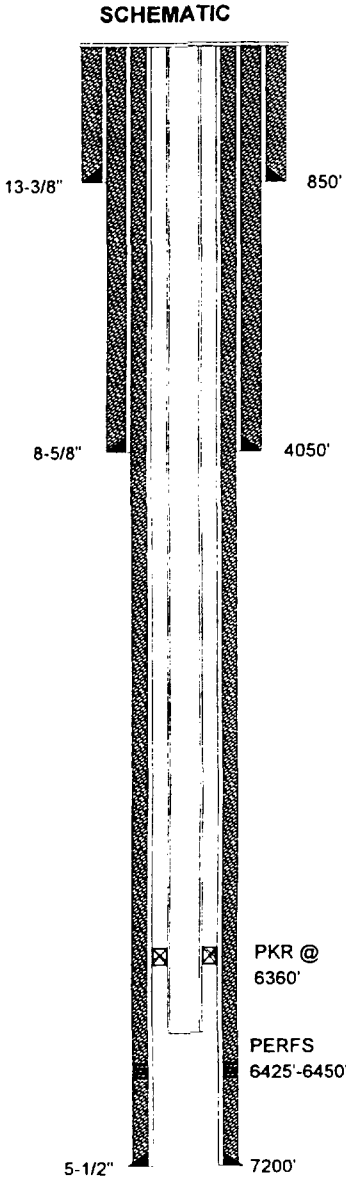
R-32-E

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE



WELL CONSTRUCTION DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES

CEMENTED WITH: 675 sx

TOC: Surface

FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES

CEMENTED WITH: 775 sx

TOC: Surface

FEET DETERMINED BY: Circulated

HOLE SIZE: 11 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES

CEMENTED WITH: 1265 sx

TOC: Surface

FEET DETERMINED BY: Circulated

HOLE SIZE: 7-7/8 INCHES

4. INJECTION INTERVAL 6425 FEET TO: 6450 FEET

(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

"PERFORATED"

5. TOTAL DEPTH: 7200 FEET

6. TUBING SIZE

SIZE: 2-7/8 INCHES

LINED WITH: IPC 505 - PLASTIC COATING

SET IN A: ARROW SET 1-XS, PKR

PACKER AT: 6360 FEET:

OTHER DATA

A. IS THIS A NEW WELL DRILLED FOR INJECTION? X YES NO

IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED? N/A

B. NAME THE INJECTION FORMATION: 6400' SAND (BRUSHY CANYON)

C. NAME THE FIELD OR POOL (IF APPLICABLE) LUSK WEST (DELAWARE)

D. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NO

E. GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA:

1. YATES 2600'-2800'	WATKINS YATES	5. STRAWN 11000'-11200'	LUSK STRAWN OIL
	N.E. LUSK YATES		
	S. LUSK YATES	6. ATOKA 11200'-11400'	LUSK ATOKA GAS
2. DELAWARE 4600'-7100'	W. LUSK DELAWARE	7. MORROW 11500'-12000'	LUSK MORROW GAS
	LUSK DELAWARE		N.W. LUSK MORROW GAS
			N. LUSK MORROW GAS
3. BONE SPRING 8200'-8950'	WATKINS BONE SPRING		
	LUSK BONE SPRING		
	S. LUSK BONE SPRING		
	E. LUSK BONE SPRING		
4. WOLF CAMP 10100'-10700'	LUSK WOLFCAMP OIL		
	E. LUSK WOLFCAMP OIL		
	S. LUSK WOLFCAMP OIL		

PROPOSED INJECTION WELL DATA SHEET

OPERATOR: Parker & Parsley Development L.P.

LEASE: SOUTHERN CALIFORNIA FEDERAL

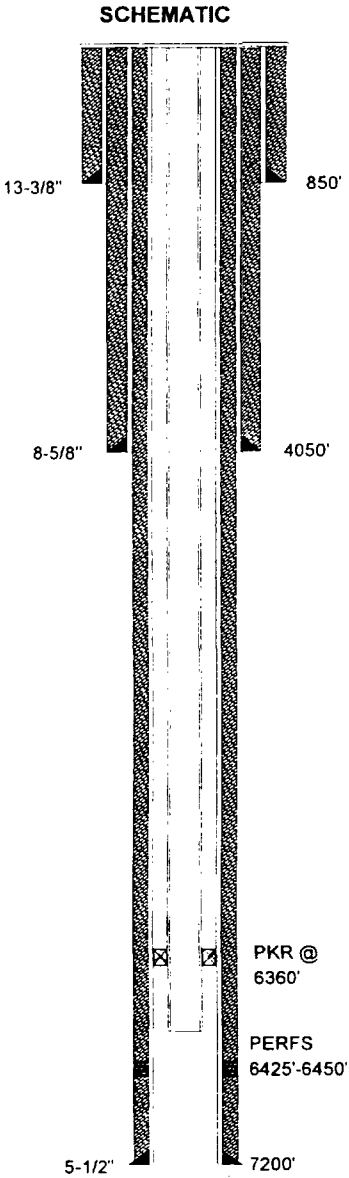
WELL NO11

FOOTAGE LOCATION660' FNL & 660' FEL

SECTIONSEC-29

TOWNSHIP T-19-S

RANGER-32-E



WELL CONSTRUCTION DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHESCEMENTED WITH: 675 SXCemented with 675 SX

TOC: SurfaceFEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHESCEMENTED WITH: 775 SXCemented with 775 SX

TOC: SurfaceFEET DETERMINED BY: Circulated

HOLE SIZE: 11 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHESCEMENTED WITH: 1265 SXCemented with 1265 SX

TOC: SurfaceFEET DETERMINED BY: Circulated

HOLE SIZE: 7-7/8 INCHES

4. INJECTION INTERVAL 6425 FEET TO: 6450 FEET

(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

"PERFORATED"

5. TOTAL DEPTH: 7200 FEET

6. TUBING SIZE

SIZE: 2-7/8 INCHESLINED WITH: IPC 505 - PLASTIC COATING

SET IN A: ARROW SET 1-XS, PKRPACKER AT: 6360 FEET:

OTHER DATA

A. IS THIS A NEW WELL DRILLED FOR INJECTION? X YESNO

IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED?N/A

B. NAME THE INJECTION FORMATION: 6400' SAND (BRUSHY CANYON)

C. NAME THE FIELD OR POOL (IF APPLICABLE) LUSK WEST (DELAWARE)

D. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NO

E. GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA:

1. YATES 2600'-2800'	WATKINS YATES N.E. LUSK YATES S. LUSK YATES	5. STRAWN 11000'-11200'	LUSK STRAWN OIL
2. DELAWARE 4600'-7100'	W. LUSK DELAWARE LUSK DELAWARE	6. ATOKA 11200'-11400'	LUSK ATOKA GAS
3. BONE SPRING 8200'-8950'	WATKINS BONE SPRING LUSK BONE SPRING S. LUSK BONE SPRING E. LUSK BONE SPRING	7. MORROW 11500'-12000'	LUSK MORROW GAS N.W. LUSK MORROW GAS N. LUSK MORROW GAS
4. WOLF CAMP 10100'-10700'	LUSK WOLFCAMP OIL E. LUSK WOLFCAMP OIL S. LUSK WOLFCAMP OIL		

PROPOSED INJECTION WELL DATA SHEET

OPERATOR: Parker & Parsley Development L.P.

LEASE: SOUTHERN CALIFORNIA FEDERAL

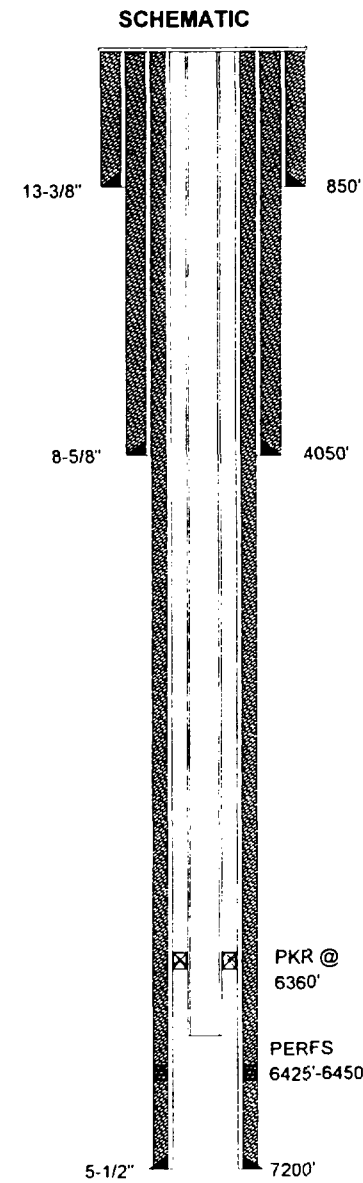
WELL NO12

FOOTAGE LOCATION1980' FEL & 660' FSL

SECTIONSEC-29

TOWNSHIP T-19-S

RANGER-32-E



WELL CONSTRUCTION DATA

1. SURFACE CASING

SIZE: 13-3/8 INCHESCEMENTED WITH: 675 sx

TOC: SurfaceFEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHESCEMENTED WITH: 775 sx

TOC: SurfaceFEET DETERMINED BY: Circulated

HOLE SIZE: 11 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHESCEMENTED WITH: 1265 sx

TOC: SurfaceFEET DETERMINED BY: Circulated

HOLE SIZE: 7-7/8 INCHES

4. INJECTION INTERVAL 6425 FEET TO: 6450 FEET

(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

"PERFORATED"

5. TOTAL DEPTH: 7200 FEET

6. TUBING SIZE

SIZE: 2-7/8 INCHESLINED WITH: IPC 505 - PLASTIC COATING

SET IN A: ARROW SET 1-XS, PKRPACKER AT: 6360 FEET:

OTHER DATA

A. IS THIS A NEW WELL DRILLED FOR INJECTION? X YESNO

IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED? N/A

B. NAME THE INJECTION FORMATION: 6400' SAND (BRUSHY CANYON)

C. NAME THE FIELD OR POOL (IF APPLICABLE) LUSK WEST (DELAWARE)

D. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NO

E. GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA:

1. YATES 2600'-2800'	WATKINS YATES	5. STRAWN 11000'-11200'	LUSK STRAWN OIL
	N.E. LUSK YATES		
	S. LUSK YATES	6. ATOKA 11200'-11400'	LUSK ATOKA GAS
2. DELAWARE 4600'-7100'	W. LUSK DELAWARE	7. MORROW 11500'-12000'	LUSK MORROW GAS
	LUSK DELAWARE		N.W. LUSK MORROW GAS
			N. LUSK MORROW GAS
3. BONE SPRING 8200'-8950'	WATKINS BONE SPRING		
	LUSK BONE SPRING		
	S. LUSK BONE SPRING		
	E. LUSK BONE SPRING		
4. WOLF CAMP 10100'-10700'	LUSK WOLFCAMP OIL		
	E. LUSK WOLFCAMP OIL		
	S. LUSK WOLFCAMP OIL		

PROPOSED INJECTION WELL DATA SHEET

OPERATOR:

Parker & Parsley
Development L.P.

LEASE:

LUSK DEEP UNIT "A"

WELL NO

14

330' FSL & 1980' FEL

SEC-20

T-19-S

R-32-E

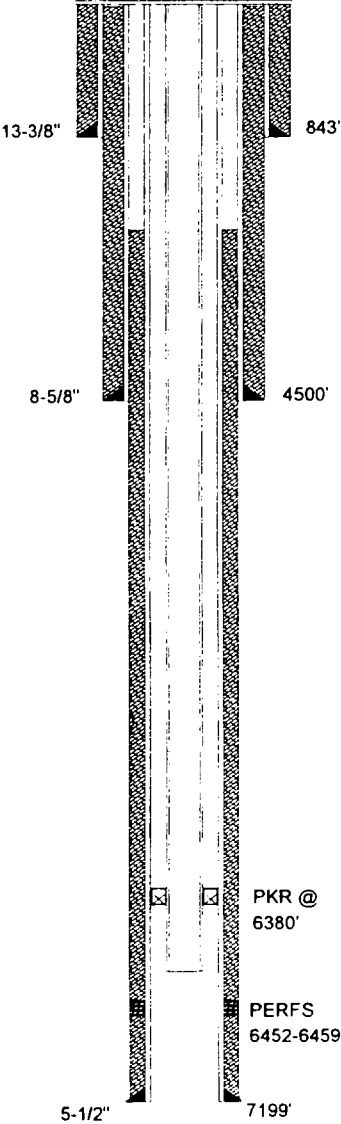
FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

SCHEMATIC



WELL CONSTRUCTION DATA

1. SUFACE CASING

SIZE:

13-3/8

INCHES

CEMENTED WITH:

1000

SX

TOC:

Surface

FEET DETERMINED BY:

Circulated

HOLE SIZE:

17-1/2

INCHES

2. INTERMEDIATE CASING

SIZE:

8-5/8

INCHES

CEMENTED WITH:

1700

SX

TOC:

Surface

FEET DETERMINED BY:

Circulated

HOLE SIZE:

12-1/4

INCHES

3. LONG STRING

SIZE:

5-1/2

INCHES

CEMENTED WITH:

850

SX

TOC:

2320

FEET DETERMINED BY:

Temp. Survey

HOLE SIZE:

7-7/8

INCHES

4. INJECTION INTERVAL

6452

FEET TO:

6459

FEET

(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

"PERFORATED"

5. TOTAL DEPTH:

7200

FEET

6. TUBING SIZE

SIZE:

2-7/8

INCHES

LINED WITH:

IPC 505 - PLASTIC COATING

SET IN A:

ARROW SET 1-XS, PKR

PACKER AT:

6380

FEET:

OTHER DATA

A.

IS THIS A NEW WELL DRILLED FOR INJECTION?

YES

X

NO

IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED?

PRODUCING OIL AND GAS WELL

B.

NAME THE INJECTION FORMATION:

6400' SAND (BRUSHY CANYON)

C.

NAME THE FIELD OR POOL (IF APPLICABLE)

LUSK WEST (DELAWARE)

D.

HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED.

NO

E.

GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA:

1. YATES 2600'-2800'	WATKINS YATES N.E. LUSK YATES S. LUSK YATES	5. STRAWN 11000'-11200'	LUSK STRAWN OIL
2. DELAWARE 4600'-7100'	W. LUSK DELAWARE LUSK DELAWARE	6. ATOKA 11200'-11400'	LUSK ATOKA GAS
3. BONE SPRING 8200'-8950'	WATKINS BONE SPRING LUSK BONE SPRING S. LUSK BONE SPRING E. LUSK BONE SPRING	7. MORROW 11500'-12000'	LUSK MORROW GAS N.W. LUSK MORROW GAS N. LUSK MORROW GAS
4. WOLF CAMP 10100'-10700'	LUSK WOLFCAMP OIL E. LUSK WOLFCAMP OIL S. LUSK WOLFCAMP OIL		

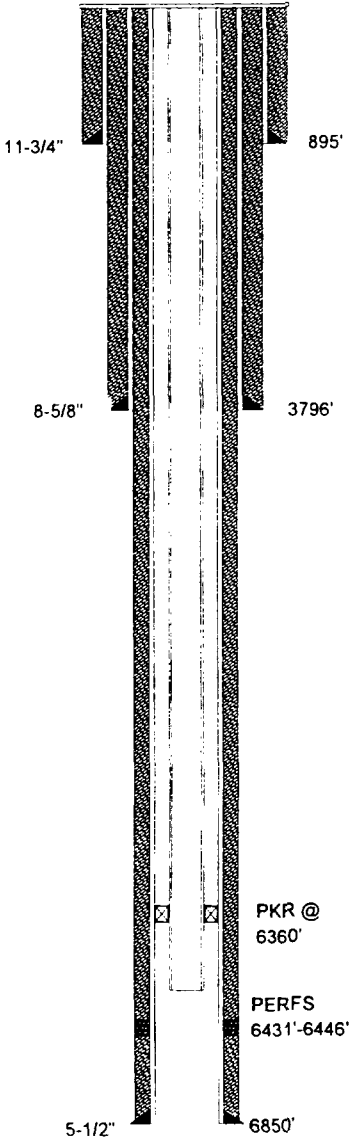
PROPOSED INJECTION WELL DATA SHEET

Parker & Parsley

OPERATOR: Development L.P. LEASE: S. A. BOWMAN FEDERAL

WELL NO 5 2310' FSL & 2160' FWL SEC-29 T-19-S R-32-E
FOOTAGE LOCATION SECTION TOWNSHIP RANGE

SCHEMATIC



WELL CONSTRUCTION DATA

1. SUFACE CASING

SIZE: 11-3/4 INCHES CEMENTED WITH: 1000 SX
TOC: Surface FEET DETERMINED BY: Circulated
HOLE SIZE: 14-3/4 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 1400 SX
TOC: Surface FEET DETERMINED BY: Circulated
HOLE SIZE: 11 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 1610 SX
TOC: Surface FEET DETERMINED BY: Circulated
HOLE SIZE: 7-7/8 INCHES

4. INJECTION INTERVAL 6431 FEET TO: 6446 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

5. TOTAL DEPTH: 6850 FEET

6. TUBING SIZE

SIZE: 2-7/8 INCHES LINED WITH: IPC 505 - PLASTIC COATING
SET IN A: ARROW SET 1-XS, PKR PACKER AT: 6360 FEET:

OTHER DATA

A. IS THIS A NEW WELL DRILLED FOR INJECTION? YES NO
IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED? PRODUCING OIL AND GAS WELL

B. NAME THE INJECTION FORMATION: 6400' SAND (BRUSHY CANYON)

C. NAME THE FIELD OR POOL (IF APPLICABLE) LUSK WEST (DELAWARE)

D. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NONE

E. GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA:

1. YATES 2600'-2800'	WATKINS YATES N.E. LUSK YATES S. LUSK YATES	5. STRAWN 11000'-11200'	LUSK STRAWN OIL
2. DELAWARE 4600'-7100'	W. LUSK DELAWARE LUSK DELAWARE	6. ATOKA 11200'-11400'	LUSK ATOKA GAS
3. BONE SPRING 8200'-8950'	WATKINS BONE SPRING LUSK BONE SPRING S. LUSK BONE SPRING E. LUSK BONE SPRING	7. MORROW 11500'-12000'	LUSK MORROW GAS N.W. LUSK MORROW GAS N. LUSK MORROW GAS

4. WOLF CAMP 10100'-10700'	LUSK WOLFCAMP OIL E. LUSK WOLFCAMP OIL S. LUSK WOLFCAMP OIL
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PROPOSED INJECTION WELL DATA SHEET

OPERATOR: Parker & Parsley Development L.P.

LEASE: SOUTHERN CALIFORNIA FEDERAL

WELL 4

1650' FSL & 990' FEL

SEC-29

T-19-S

R-32-E

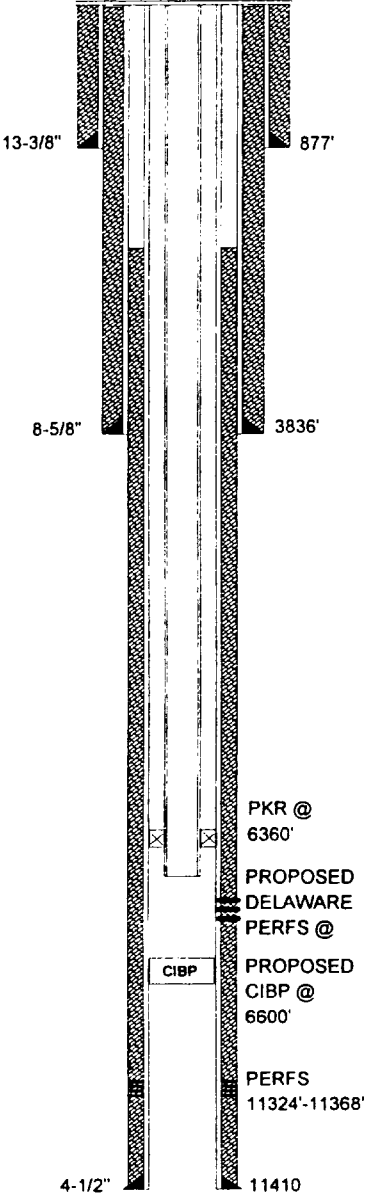
FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

SCHEMATIC



WELL CONSTRUCTION DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHESCEMENTED WITH: 775 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHESCEMENTED WITH: 2660 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 4-1/2 INCHESCEMENTED WITH: 600 SX

TOC: 3400 FEET DETERMINED BY: SQZ HOLE @ 3400' W/35 SXS CMT

HOLE SIZE: 7-7/8 INCHES

4. INJECTION INTERVAL 6430 FEET TO: 6450 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

5. TOTAL DEPTH: 11449 FEET

6. TUBING SIZE

SIZE: 2-7/8 INCHESLINED WITH: IPC 505 - PLASTIC COATING

SET IN A: ARROW SET 1-XS, PKR PACKER AT: 6360 FEET:

OTHER DATA

A. IS THIS A NEW WELL DRILLED FOR INJECTION? YES NO X
IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED? PRODUCING OIL AND GAS WELL

B. NAME THE INJECTION FORMATION: 6400' SAND (BRUSHY CANYON)

C. NAME THE FIELD OR POOL (IF APPLICABLE) LUSK WEST (DELAWARE)

D. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NO CURRENT OIL AND GAS PODUCTION FROM STRAWN PERFS
11324'-11368'. PLAN TO SET CIBP @ 6600' W/5SXS CMT ON TOP & PERF DELAWARE @ 6430'-50' CONVERT TO WIW WELL.

E. GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA:

1. YATES 2600'-2800' WATKINS YATES
N.E. LUSK YATES
S. LUSK YATES

2. DELAWARE 4600'-7100' W. LUSK DELAWARE
LUSK DELAWARE

3. BONE SPRING 8200'-8950' WATKINS BONE SPRING
LUSK BONE SPRING
S. LUSK BONE SPRING
E. LUSK BONE SPRING

4. WOLF CAMP 10100'-1070 LUSK WOLFCAMP OIL
E. LUSK WOLFCAMP OIL
S. LUSK WOLFCAMP OIL

5. STRAWN 11000'-112 LUSK STRAWN OIL

6. ATOKA 11200'-1140 LUSK ATOKA GAS

7. MORROW 11500'-12 LUSK MORROW GAS
N.W. LUSK MORROW GAS
N. LUSK MORROW GAS

WELL DATA SHEET

**Parker & Parsley
Development L.P.**

SOUTHERN CALIFORNIA FEDERAL

OPERATOR

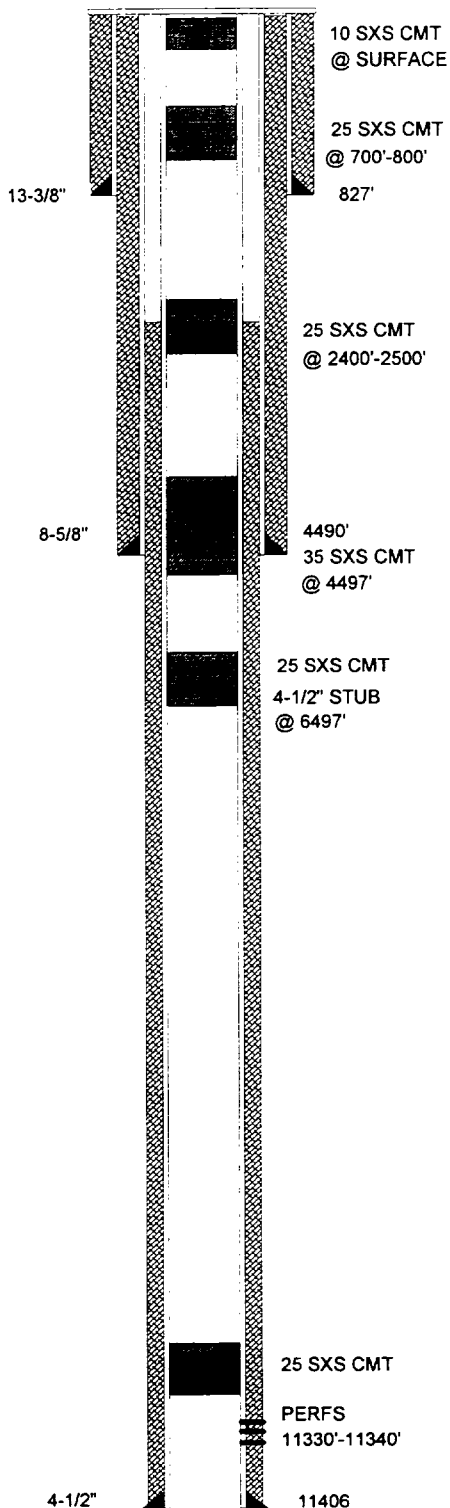
LEASE

2	990' FNL & 990' FWL	SEC-29	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PLUGGED & ABANDONED

SPUD DATE: 3/15/63

SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 900 SX
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 2500 SX
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 11 INCHES

3. LONG STRING

SIZE: 4-1/2 INCHES CEMENTED WITH: 300 SX
 TOC: 10100 FEET DETERMINED BY: Temp. Survey
 HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 11406 FEET

5. PERFORATIONS

11330 FEET TO: 11340 FEET
 (PERFORATED OR OPEN HOLE ; INDICATE WHICH)
PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?
 LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
 DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NONE

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

Parker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

**Parker & Parsley
Development L.P.**

SOUTHERN CALIFORNIA FEDERAL

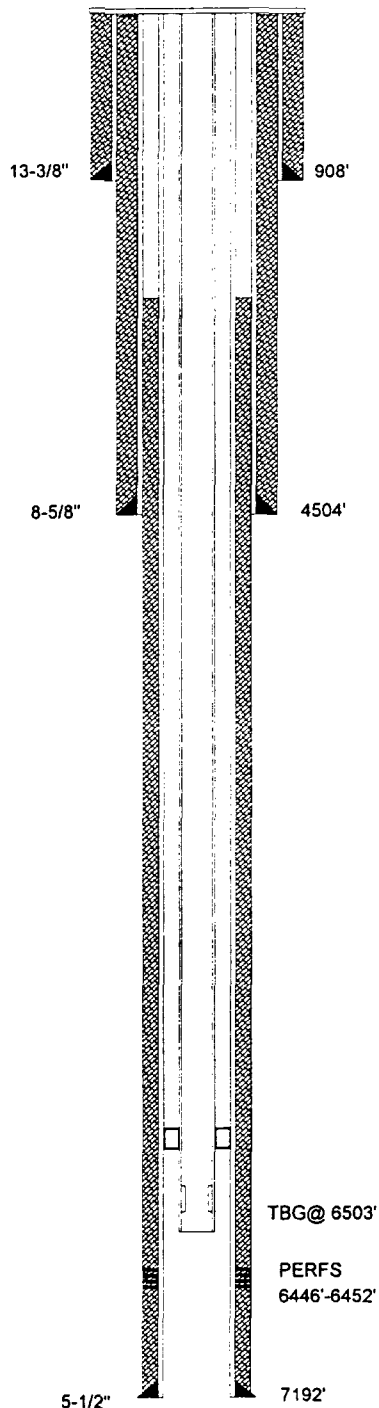
OPERATOR

LEASE

8	990' FNL & 1900' FEL	SEC-29	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PRODUCING OIL AND GAS WELL SPUD DATE: 4/16/88

SCHMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 722 **sx**
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 2700 **sx**
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 800 **sx**
 TOC: 2280 FEET DETERMINED BY: Cmt Bond Log
 HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 7200 FEET

5. PERFORATIONS

6446 FEET TO: 6452 FEET
 (PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

**Parker & Parsley
Development L.P.**

SOUTHERN CALIFORNIA FEDERAL

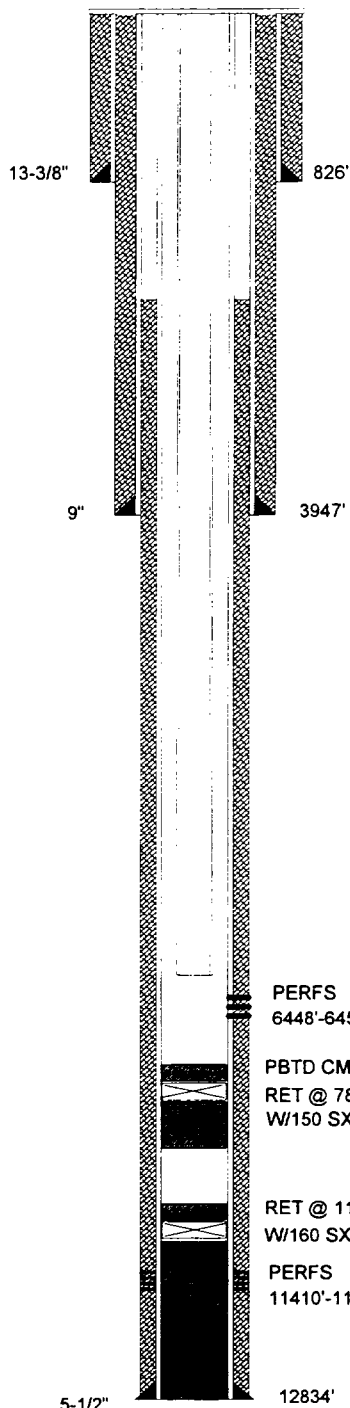
OPERATOR

LEASE

1	1980' FNL & 660' FEL	SEC-29	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PRODUCING OIL AND GAS WELL SPUD DATE: 3/23/62

SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 950 sx

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 9 INCHES CEMENTED WITH: 2725 sx

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 2140 sx

TOC: 2450 FEET DETERMINED BY: est. top of cmt sqz.

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 12834 FEET

5. PERFORATIONS

6448 FEET TO: 6458 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

**Parker & Parsley
Development L.P.**

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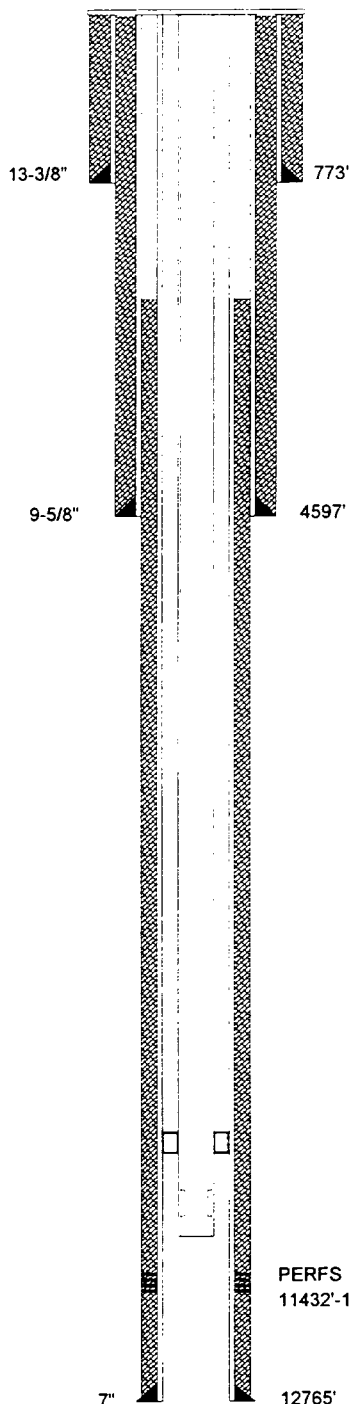
OPERATOR

LEASE

2	1980' FNL & 660' FWL	SEC-28	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PRODUCING OIL AND GAS WELL SPUD DATE: 3/19/63

SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 750 **SX**

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 9-5/8 INCHES CEMENTED WITH: 4250 **SX**

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 7 INCHES CEMENTED WITH: 750 **SX**

TOC: 4490 FEET DETERMINED BY: Temp. Survey

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 12996 FEET

5. PERFORATIONS

11432 FEET TO: 12530 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

Parker & Parsley

Development L.P.

SOUTHERN CALIFORNIA FEDERAL

OPERATOR

LEASE

7

2210' FNL & 2260' FWL

SEC-29

T-19-S

R-32-E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

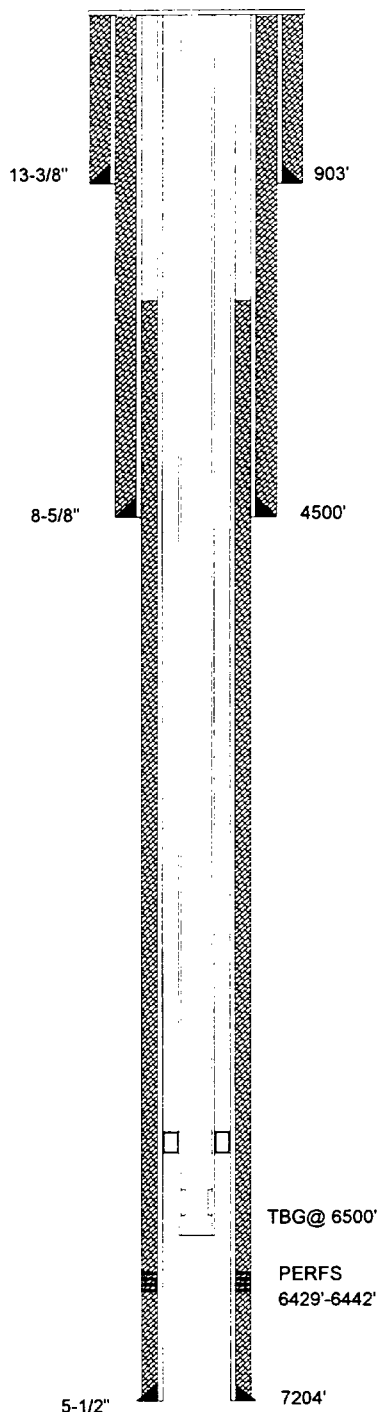
TYPE OF WELL:

PRODUCING OIL AND GAS WELL

SPUD DATE:

3/24/88

SCHEMATIC



TABULAR DATA

1. SURFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 735 SXTOC: Surface FEET DETERMINED BY: CirculatedHOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 2450 SXTOC: Surface FEET DETERMINED BY: CirculatedHOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 600 SXTOC: 4000 FEET DETERMINED BY: Cmt Bond LogHOLE SIZE: 7-7/8 INCHES4. TOTAL DEPTH: 7204 FEET

5. PERFORATIONS

6429 FEET TO: 6442 FEET

(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

"PERFORATED"

FORM C-108
SECTION VIAPPLICATION FOR AUTHORIZATION
TO INJECTParker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

**Parker & Parsley
Development L.P.**

SOUTHERN CALIFORNIA FEDERAL

OPERATOR

LEASE

5

1980' FSL & 1980' FEL

SEC-29

T-19-S

R-32-E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

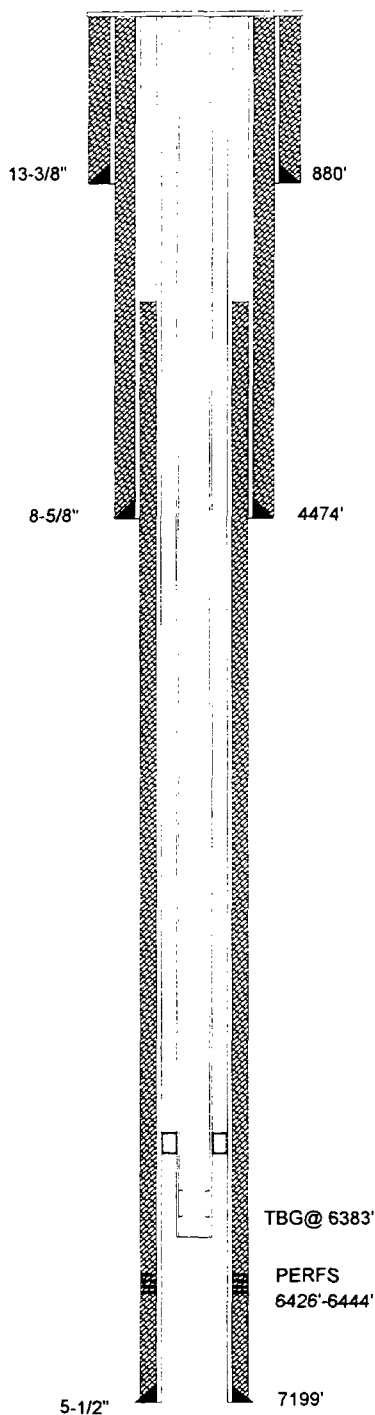
TYPE OF WELL:

PRODUCING OIL AND GAS WELL

SPUD DATE:

12/5/87

SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 735 sx

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 2350 sx

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 800 sx

TOC: 4210 FEET DETERMINED BY: Cmt Bond Log

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 7200 FEET

5. PERFORATIONS

6426 FEET TO: 6444 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

KINCAID & WATSON DRILLING CO.

SA BOWMAN FEDERAL

OPERATOR

LEASE

1
WELL NO.

330' FSL & 2310' FWL
FOOTAGE LOCATION

SEC-29
SECTION

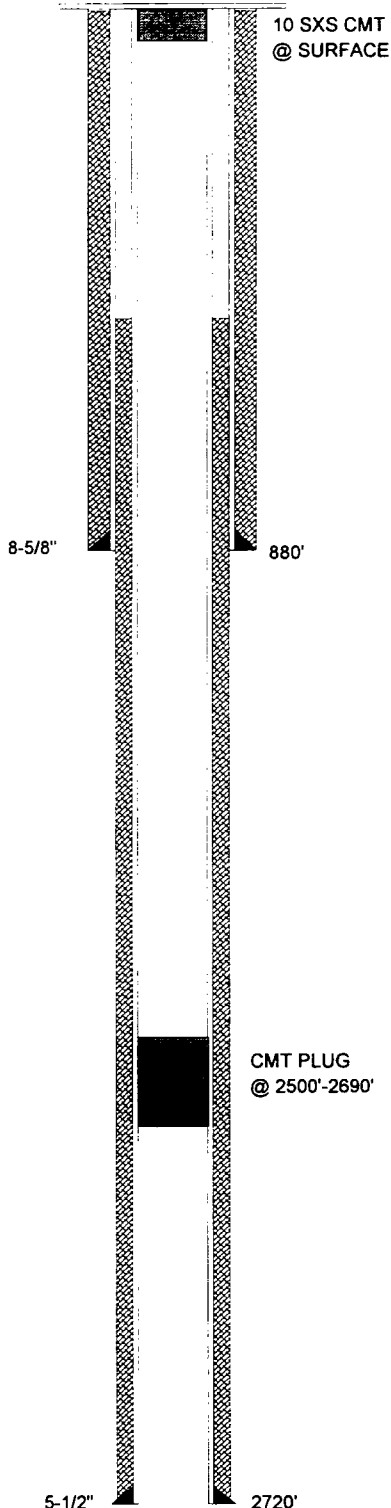
T-19-S
TOWNSHIP

R-32-E
RANGE

TYPE OF WELL: **PLUGGED & ABANDONED**

SPUD DATE: **8/15/57**

SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 500 SX
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 11 INCHES

2. INTERMEDIATE CASING

SIZE: N/A INCHES CEMENTED WITH: N/A SX
 TOC: N/A FEET DETERMINED BY: N/A
 HOLE SIZE: N/A INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 600 SX
 TOC: 250 FEET DETERMINED BY: Temp. Survey
 HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 2770 FEET

5. PERFORATIONS

2493 FEET TO: 2567 FEET
 (PERFORATED OR OPEN HOLE ; INDICATE WHICH)

PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?

LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
 DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED.

NONE

FORM C-108
 SECTION VI

APPLICATION FOR AUTHORIZATION
 TO INJECT

Parker & Parsley
 Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

Parker & Parsley
Development L.P.

SOUTHERN CALIFORNIA FEDERAL

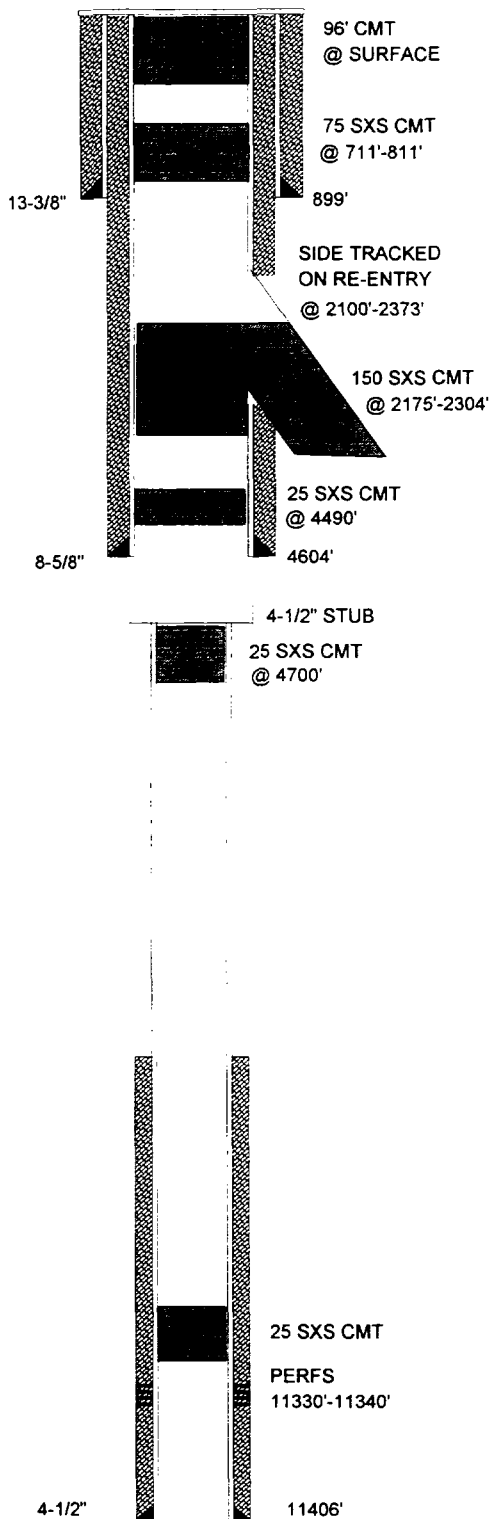
OPERATOR

LEASE

WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE
3	1980' FSL & 1980' FWL	SEC-29	T-19-S	R-32-E

TYPE OF WELL: PLUGGED & ABANDONEDSPUD DATE: 10/24/63

SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 600 sx

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 1700 sx

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 11 INCHES

3. LONG STRING

SIZE: 4-1/2 INCHES CEMENTED WITH: 300 sx

TOC: 10100 FEET DETERMINED BY: Temp. Survey

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 11406 FEET

5. PERFORATIONS

11330 FEET TO: 11340 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
PERFORATED"

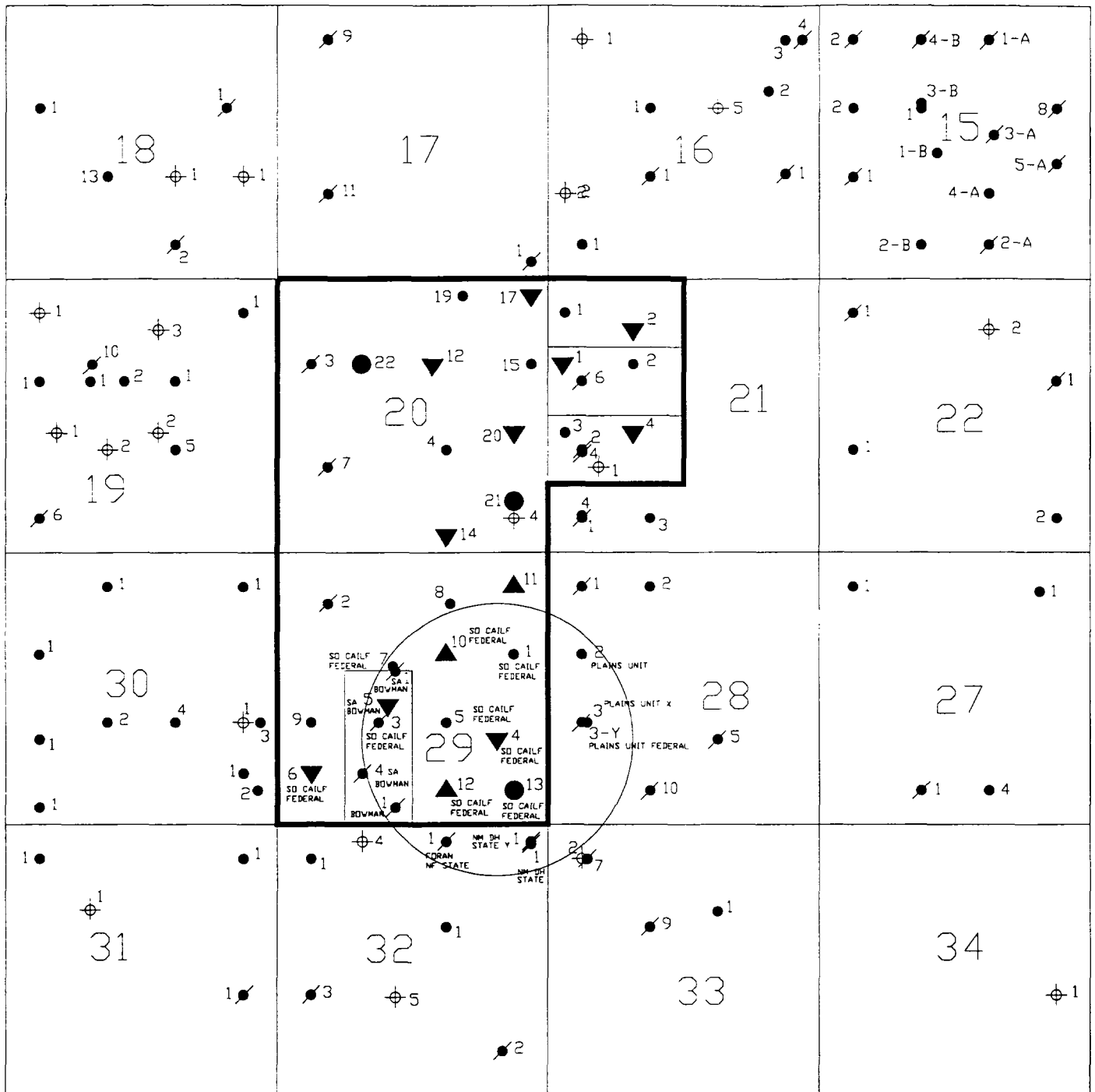
6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?
LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NONE

FORM C-108
SECTION VIAPPLICATION FOR AUTHORIZATION
TO INJECTParker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

SECTION V



PROPOSED INJECTION WELL DATA SHEET

OPERATOR: Parker & Parsley Development L.P.

LEASE: SOUTHERN CALIFORNIA FEDERAL

WELL 4

1650' FSL & 990' FEL

SEC-29

T-19-S

R-32-E

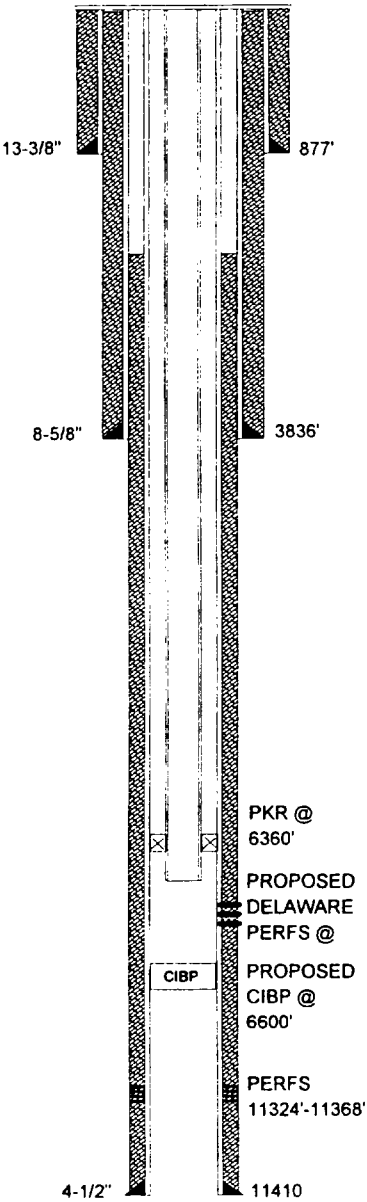
FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

SCHEMATIC



WELL CONSTRUCTION DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES

CEMENTED WITH: 775 SX

TOC: Surface

FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES

CEMENTED WITH: 2660 SX

TOC: Surface

FEET DETERMINED BY: Circulated

HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 4-1/2 INCHES

CEMENTED WITH: 600 SX

TOC: 3400

FEET DETERMINED BY: SQZ HOLE @ 3400' W/35 SXS CMT

HOLE SIZE: 7-7/8 INCHES

4. INJECTION INTERVAL

6430 FEET TO: 6450 FEET

(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

"PERFORATED"

5. TOTAL DEPTH:

11449 FEET

6. TUBING SIZE

SIZE: 2-7/8 INCHES

LINED WITH: IPC 505 - PLASTIC COATING

SET IN A: ARROW SET 1-XS, PKR

PACKER AT: 6360 FEET:

OTHER DATA

A. IS THIS A NEW WELL DRILLED FOR INJECTION?

YES

X NO

IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED?

PRODUCING OIL AND GAS WELL

B. NAME THE INJECTION FORMATION:

6400' SAND (BRUSHY CANYON)

C. NAME THE FIELD OR POOL (IF APPLICABLE)

LUSK WEST (DELAWARE)

D. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED.

NO

CURRENT OIL AND GAS PODUCTION FROM STRAWN PERFS

11324'-11368'. PLAN TO SET CIBP @ 6600' W/5SXS CMT ON TOP & PERF DELAWARE @ 6430'-50' CONVERT TO WIW WELL.

E. GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA:

1. YATES 2600'-2800' WATKINS YATES

N.E. LUSK YATES

S. LUSK YATES

2. DELAWARE 4600'-7100' W. LUSK DELAWARE

LUSK DELAWARE

3. BONE SPRING 8200'-8950' WATKINS BONE SPRING

LUSK BONE SPRING

S. LUSK BONE SPRING

E. LUSK BONE SPRING

4. WOLF CAMP 10100'-1070 LUSK WOLFCAMP OIL

E. LUSK WOLFCAMP OIL

S. LUSK WOLFCAMP OIL

5. STRAWN 11000'-112 LUSK STRAWN OIL

6. ATOKA 11200'-1140 LUSK ATOKA GAS

7. MORROW 11500'-12 LUSK MORROW GAS

N.W. LUSK MORROW GAS

N. LUSK MORROW GAS

FORM C-108

SECTION III

APPLICATION FOR AUTHORIZATION

TO INJECT

Parker & Parsley

Development L.P.

WATER INJECTION WELL

PROPOSED INJECTION WELL DATA SHEET

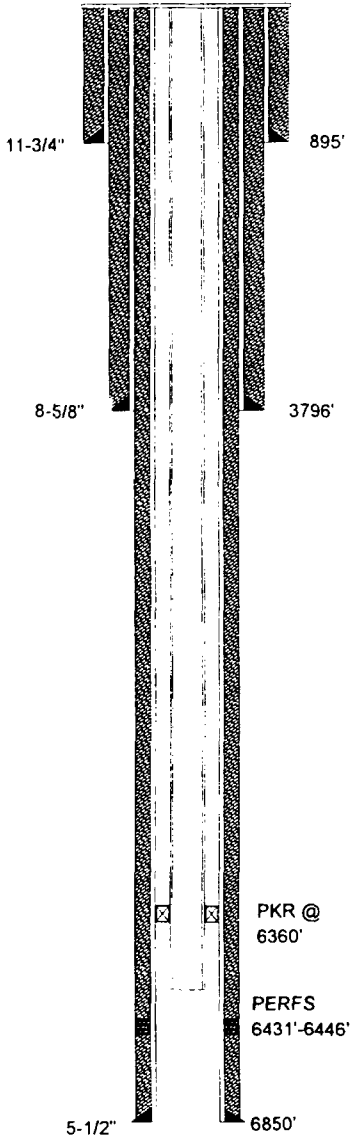
OPERATOR: Parker & Parsley Development L.P.

LEASE: S. A. BOWMAN FEDERAL

WELL NO 5 2310' FSL & 2160' FWL SEC-29 T-19-S R-32-E

FOOTAGE LOCATION SECTION TOWNSHIP RANGE

SCHEMATIC



WELL CONSTRUCTION DATA

1. SUFACE CASING

SIZE: 11-3/4 INCHES CEMENTED WITH: 1000 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 14-3/4 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 1400 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 11 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 1610 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 7-7/8 INCHES

4. INJECTION INTERVAL 6431 FEET TO: 6446 FEET

(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

"PERFORATED"

5. TOTAL DEPTH: 6850 FEET

6. TUBING SIZE

SIZE: 2-7/8 INCHES LINED WITH: IPC 505 - PLASTIC COATING

SET IN A: ARROW SET 1-XS, PKR PACKER AT: 6360 FEET:

OTHER DATA

A. IS THIS A NEW WELL DRILLED FOR INJECTION? YES X NO

IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED? PRODUCING OIL AND GAS WELL

B. NAME THE INJECTION FORMATION: 6400' SAND (BRUSHY CANYON)

C. NAME THE FIELD OR POOL (IF APPLICABLE) LUSK WEST (DELAWARE)

D. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NONE

E. GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA:

1. YATES 2600'-2800'	WATKINS YATES	5. STRAWN 11000'-11200'	LUSK STRAWN OIL
	N.E. LUSK YATES		
	S. LUSK YATES	6. ATOKA 11200'-11400'	LUSK ATOKA GAS
2. DELAWARE 4600'-7100'	W. LUSK DELAWARE	7. MORROW 11500'-12000'	LUSK MORROW GAS
	LUSK DELAWARE		N.W. LUSK MORROW GAS
			N. LUSK MORROW GAS
3. BONE SPRING 8200'-8950'	WATKINS BONE SPRING		
	LUSK BONE SPRING		
	S. LUSK BONE SPRING		
	E. LUSK BONE SPRING		
4. WOLF CAMP 10100'-10700'	LUSK WOLFCAMP OIL		
	E. LUSK WOLFCAMP OIL		
	S. LUSK WOLFCAMP OIL		

PROPOSED INJECTION WELL DATA SHEET

OPERATOR: Parker & Parsley Development L.P.

LEASE: SOUTHERN CALIFORNIA FEDERAL

WELL NO12

1980' FEL & 660' FSL

SEC-29

T-19-S

R-32-E

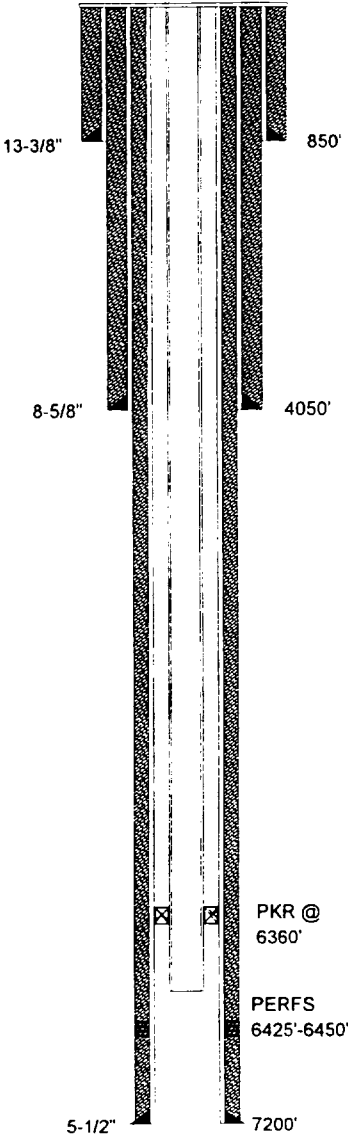
FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

SCHEMATIC



WELL CONSTRUCTION DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHESCEMENTED WITH: 675 SX

TOC: SurfaceFEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHESCEMENTED WITH: 775 SX

TOC: SurfaceFEET DETERMINED BY: Circulated

HOLE SIZE: 11 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHESCEMENTED WITH: 1265 SX

TOC: SurfaceFEET DETERMINED BY: Circulated

HOLE SIZE: 7-7/8 INCHES

4. INJECTION INTERVAL 6425 FEET TO: 6450 FEET

(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

"PERFORATED"

5. TOTAL DEPTH: 7200 FEET

6. TUBING SIZE

SIZE: 2-7/8 INCHESLINED WITH: IPC 505 - PLASTIC COATING

SET IN A: ARROW SET 1-XS, PKRPACKER AT: 6360 FEET:

OTHER DATA

A. IS THIS A NEW WELL DRILLED FOR INJECTION? X YESNO

IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED?N/A

B. NAME THE INJECTION FORMATION: 6400' SAND (BRUSHY CANYON)

C. NAME THE FIELD OR POOL (IF APPLICABLE) LUSK WEST (DELAWARE)

D. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NO

E. GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA:

1. YATES 2600'-2800'	WATKINS YATES N.E. LUSK YATES S. LUSK YATES	5. STRAWN 11000'-11200'	LUSK STRAWN OIL
2. DELAWARE 4600'-7100'	W. LUSK DELAWARE LUSK DELAWARE	6. ATOKA 11200'-11400'	LUSK ATOKA GAS
3. BONE SPRING 8200'-8950'	WATKINS BONE SPRING LUSK BONE SPRING S. LUSK BONE SPRING E. LUSK BONE SPRING	7. MORROW 11500'-12000'	LUSK MORROW GAS N.W. LUSK MORROW GAS N. LUSK MORROW GAS
4. WOLF CAMP 10100'-10700'	LUSK WOLFCAMP OIL E. LUSK WOLFCAMP OIL S. LUSK WOLFCAMP OIL		

PROPOSED INJECTION WELL DATA SHEET

OPERATOR:

Parker & Parsley
Development L.P.

LEASE:

SOUTHERN CALIFORNIA FEDERAL

WELL NO

10

1980' FNL & 1980' FEL

SEC-29

T-19-S

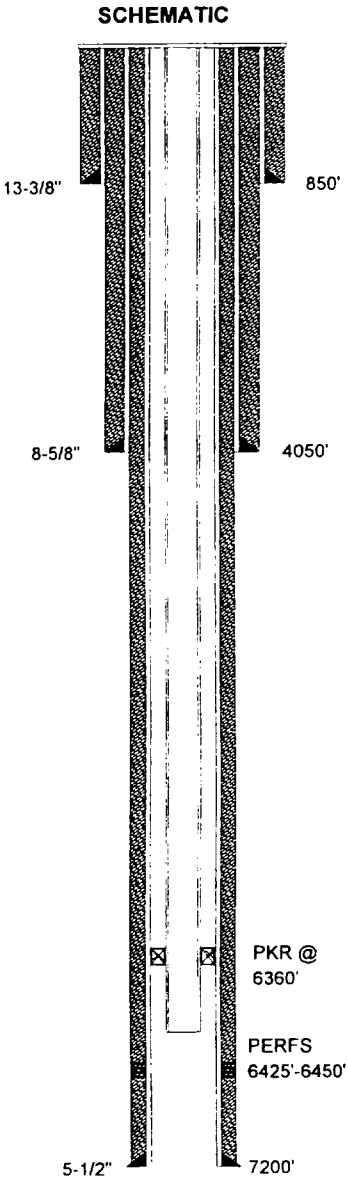
R-32-E

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE



WELL CONSTRUCTION DATA

1. SUFACE CASING

SIZE:

13-3/8

INCHES

CEMENTED WITH:

675

SX

TOC:

Surface

FEET DETERMINED BY:

Circulated

HOLE SIZE:

17-1/2

INCHES

2. INTERMEDIATE CASING

SIZE:

8-5/8

INCHES

CEMENTED WITH:

775

SX

TOC:

Surface

FEET DETERMINED BY:

Circulated

HOLE SIZE:

11

INCHES

3. LONG STRING

SIZE:

5-1/2

INCHES

CEMENTED WITH:

1265

SX

TOC:

Surface

FEET DETERMINED BY:

Circulated

HOLE SIZE:

7-7/8

INCHES

4. INJECTION INTERVAL

6425

FEET TO:

6450

FEET

(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

"PERFORATED"

5. TOTAL DEPTH:

7200

FEET

6. TUBING SIZE

SIZE:

2-7/8

INCHES

LINED WITH:

IPC 505 - PLASTIC COATING

SET IN A:

ARROW SET 1-XS, PKR

PACKER AT:

6360

FEET:

OTHER DATA

A.

IS THIS A NEW WELL DRILLED FOR INJECTION?

X

YES

NO

IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED?

N/A

B.

NAME THE INJECTION FORMATION:

6400' SAND (BRUSHY CANYON)

C.

NAME THE FIELD OR POOL (IF APPLICABLE)

LUSK WEST (DELAWARE)

D.

HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED.

NO

E.

GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA:

1. YATES 2600'-2800'	WATKINS YATES N.E. LUSK YATES S. LUSK YATES	5. STRAWN 11000'-11200'	LUSK STRAWN OIL
2. DELAWARE 4600'-7100'	W. LUSK DELAWARE LUSK DELAWARE	6. ATOKA 11200'-11400'	LUSK ATOKA GAS
3. BONE SPRING 8200'-8950'	WATKINS BONE SPRING LUSK BONE SPRING S. LUSK BONE SPRING E. LUSK BONE SPRING	7. MORROW 11500'-12000'	LUSK MORROW GAS N.W. LUSK MORROW GAS N. LUSK MORROW GAS
4. WOLF CAMP 10100'-10700'	LUSK WOLFCAMP OIL E. LUSK WOLFCAMP OIL S. LUSK WOLFCAMP OIL		

WELL DATA SHEET

**Parker & Parsley
Development L.P.**

SOUTHERN CALIFORNIA FEDERAL

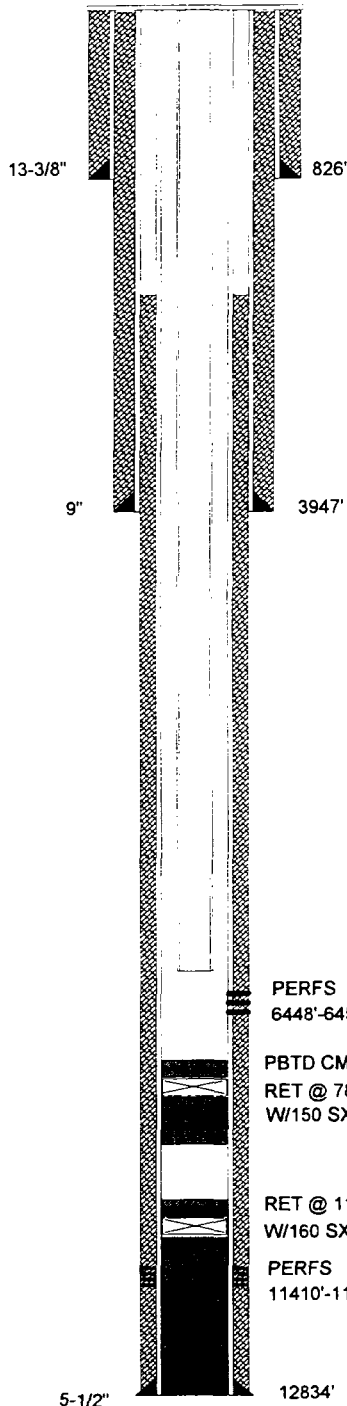
OPERATOR

LEASE

1	1980' FNL & 660' FEL	SEC-29	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: <u>PRODUCING OIL AND GAS WELL</u>	SPUD DATE: <u>3/23/62</u>
---	---------------------------

SCHEMATIC



TABULAR DATA

1. SURFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 950 **SX**

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 9 INCHES CEMENTED WITH: 2725 **SX**

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 2140 **SX**

TOC: 2450 FEET DETERMINED BY: est. top of cmt sqz.

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 12834 FEET

5. PERFORATIONS

6448 FEET TO: 6458 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

PERFS
6448'-6458'

PBT D CMT @ 6850'
RET @ 7812'
W/150 SXS

RET @ 11292'
W/160 SXS

PERFS
11410'-11430'

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

**Parker & Parsley
Development L.P.**

SOUTHERN CALIFORNIA FEDERAL

OPERATOR

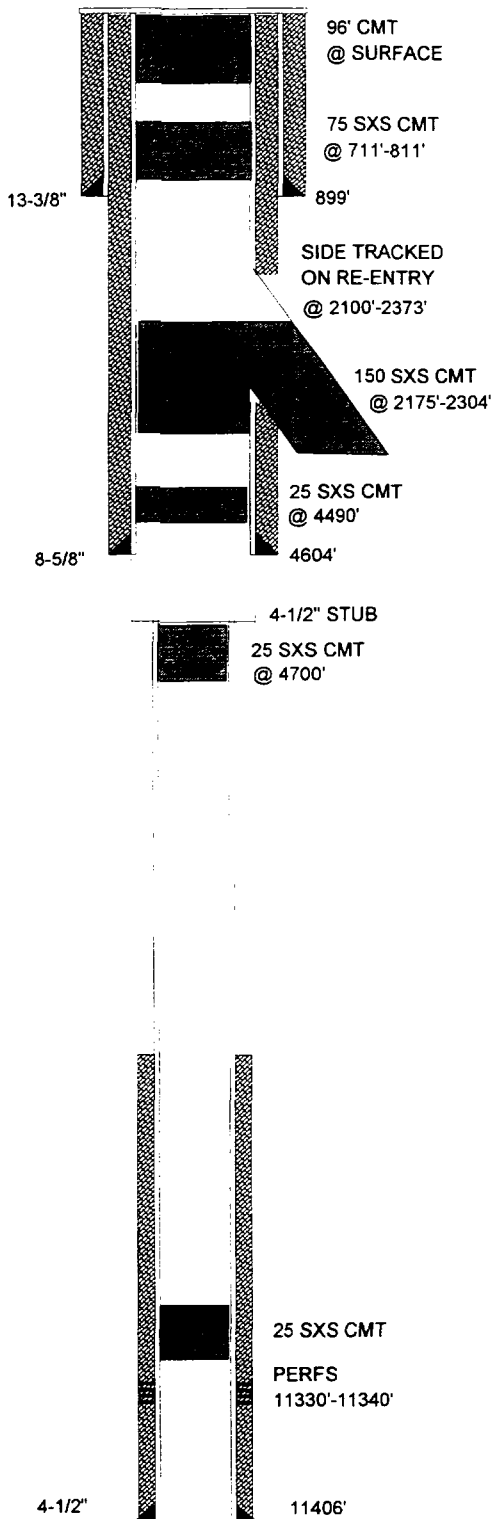
LEASE

3	1980' FSL & 1980' FWL	SEC-29	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PLUGGED & ABANDONED

SPUD DATE: 10/24/63

SCHEMATIC



TABULAR DATA

1. SURFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 600 sx

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 1700 sx

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 11 INCHES

3. LONG STRING

SIZE: 4-1/2 INCHES CEMENTED WITH: 300 sx

TOC: 10100 FEET DETERMINED BY: Temp. Survey

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 11406 FEET

5. PERFORATIONS

11330 FEET TO: 11340 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?
LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NONE

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

Parker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

**Parker & Parsley
Development L.P.**

SOUTHERN CALIFORNIA FEDERAL

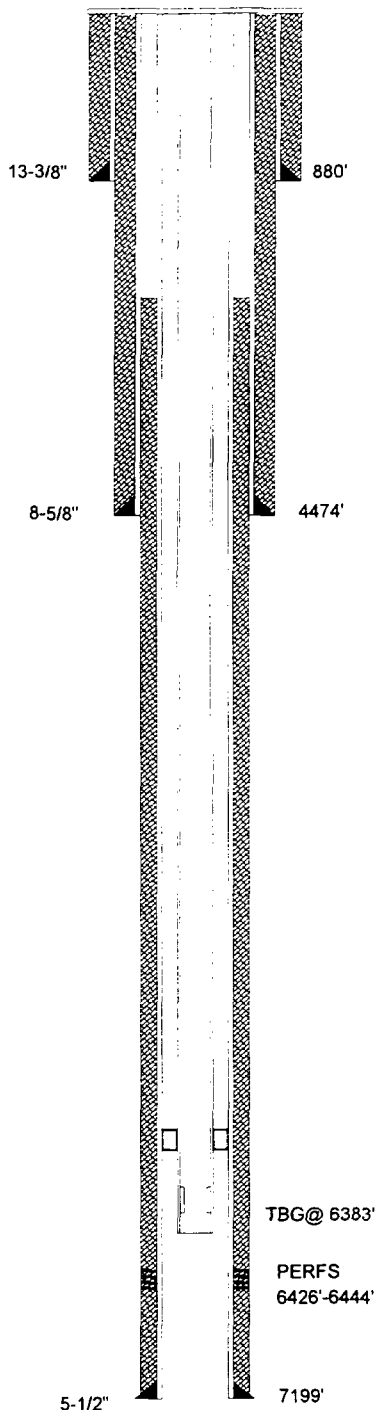
OPERATOR

LEASE

5	1980' FSL & 1980' FEL	SEC-29	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PRODUCING OIL AND GAS WELL SPUD DATE: 12/5/87

SCHEMATIC



TABULAR DATA

1. SURFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 735 SX
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 2350 SX
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 800 SX
 TOC: 4210 FEET DETERMINED BY: Cmt Bond Log
 HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 7200 FEET

5. PERFORATIONS

6426 FEET TO: 6444 FEET
 (PERFORATED OR OPEN HOLE ; INDICATE WHICH)
 "PERFORATED"

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

**Parker & Parsley
Development L.P.**

SOUTHERN CALIFORNIA FEDERAL

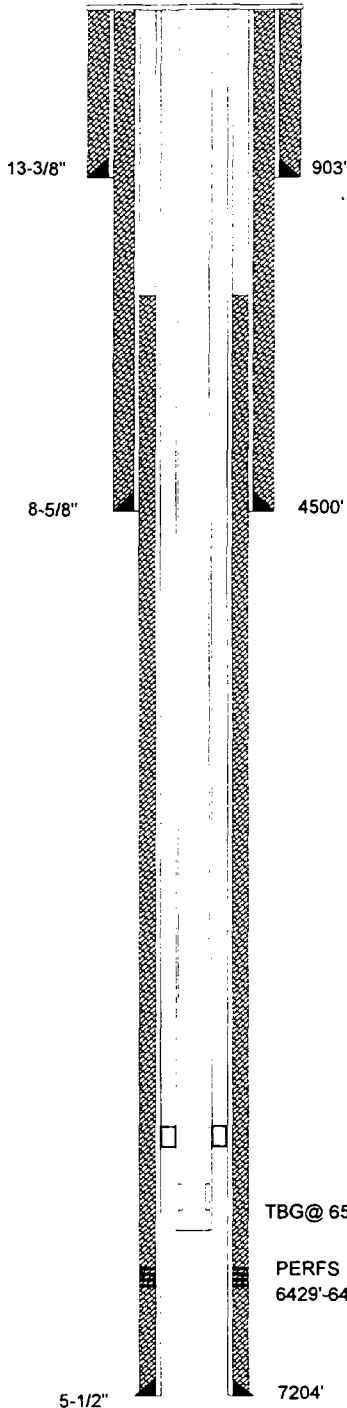
OPERATOR

LEASE

7	2210' FNL & 2260' FWL	SEC-29	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: <u>PRODUCING OIL AND GAS WELL</u>	SPUD DATE: <u>3/24/88</u>
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SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 735 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 2450 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 600 SX

TOC: 4000 FEET DETERMINED BY: Cmt Bond Log

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 7204 FEET

5. PERFORATIONS

6429 FEET TO: 6442 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

**Parker & Parsley
Development L.P.**

OPERATOR

PLAINS UNIT

LEASE

2

1980' FNL & 660' FWL

SEC-28

T-19-S

R-32-E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

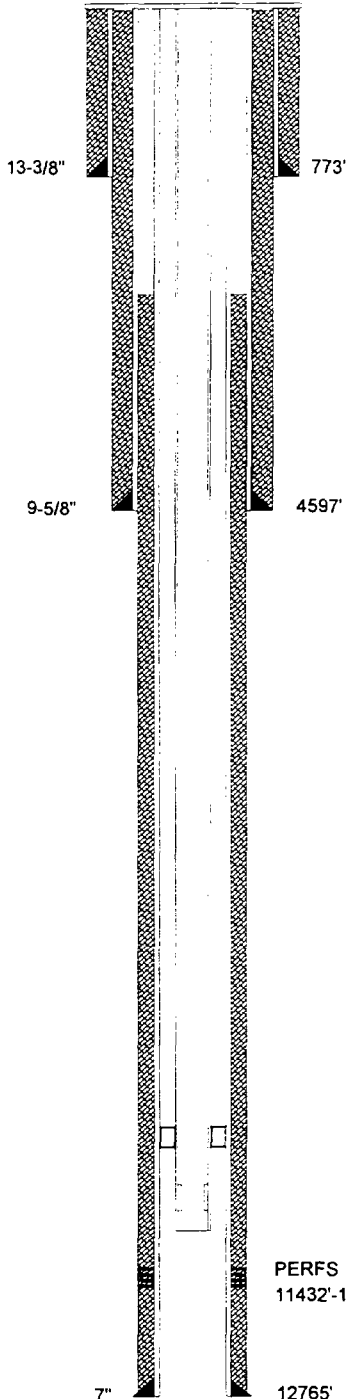
TYPE OF WELL:

PRODUCING OIL AND GAS WELL

SPUD DATE:

3/19/63

SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 750 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMIDIATE CASING

SIZE: 9-5/8 INCHES CEMENTED WITH: 4250 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 7 INCHES CEMENTED WITH: 750 SX

TOC: 4490 FEET DETERMINED BY: Temp. Survey

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 12996 FEET

5. PERFORATIONS

11432 FEET TO: 12530 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

**Parker & Parsley
Development L.P.**

PLAINS UNIT FEDERAL

OPERATOR

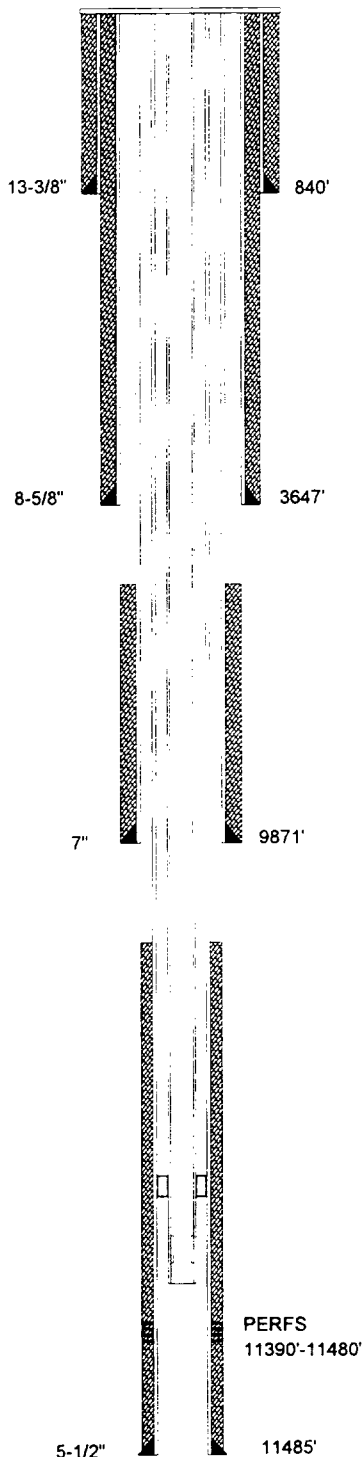
LEASE

3-Y	1980' FSL & 760' FWL	SEC-28	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PRODUCING OIL AND GAS WELL SPUD DATE: 12/4/81

TABULAR DATA

SCHEMATIC



1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 750 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 700 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 12-1/4 INCHES

3. INTERMEDIATE CASING

SIZE: 7 INCHES CEMENTED WITH: 250 SX

TOC: 8796 FEET DETERMINED BY: Temp. Survey

HOLE SIZE: 8-1/2 INCHES

4. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 250 SX

TOC: 10714 FEET DETERMINED BY: Calculated

HOLE SIZE: 7-7/8 INCHES

5. TOTAL DEPTH: 11485 FEET

6. PERFORATIONS

11390 FEET TO: 11480 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

FORM C-108
SECTION VI
APPLICATION FOR AUTHORIZATION
TO INJECT

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL
TABULATION OF WELL DATA

WELL DATA SHEET

PAN AMERICAN PET. CORP.

PLAINS UNIT

OPERATOR

LEASE

3

1980' FSL & 660' FWL

SEC-28

T-19-S

R-32-E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

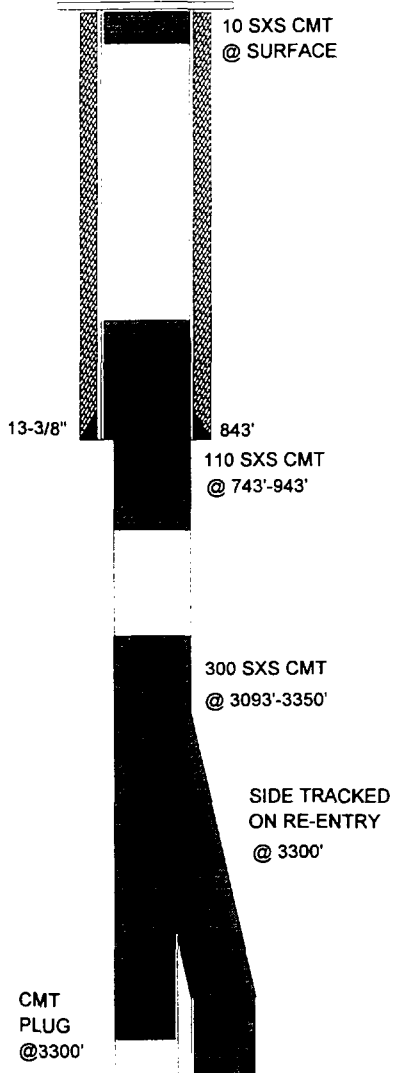
RANGE

TYPE OF WELL:

PLUGGED & ABANDONED

SPUD DATE: 7/6/63

SCHEMATIC



TABULAR DATA

1. SURFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 750 sx

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: N/A INCHES CEMENTED WITH: N/A sx

TOC: N/A FEET DETERMINED BY: N/A

HOLE SIZE: 11 INCHES

3. LONG STRING

SIZE: N/A INCHES CEMENTED WITH: N/A sx

TOC: N/A FEET DETERMINED BY: N/A

HOLE SIZE: N/A INCHES

4. TOTAL DEPTH: 4111 FEET

5. PERFORATIONS

N/A FEET TO: N/A FEET
 (PERFORATED OR OPEN HOLE; INDICATE WHICH)
 PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?

LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
 DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NONE

ON JULY 26, 1963 WHILE DRILLING AT 4111', 15 DRILL COLLARS BECAME STUCK. IN
 SUBSEQUENT FISHING OPERATIONS THREE COLLARS WERE RECOVERED LEAVING
 12 COLLARS IN THE HOLE. TOP OF FISH TO 3535'. AFTER FISHING FOR SEVEN DAYS,
 A CEMENT PLUS WAS SET FROM TOP OF FISH TO 3300'. DRILLING WAS
 COMMENCED IN AN UNDETERMINED DIRECTION TO BY-PASS THE JUNK IN HOLE.
 AFTER UNABLE TO GET WHIPSTOCK TO BOTTOM. ON 8-12-63 WHILE MAKING A TRIP
 AFTER DRILLING THE SIDE TRACK HOLE TO DEPTH OF 4005', THE DRILL PIPE STUCK
 ONCE AGAIN. TOP OF FISH AT 3667' AFTER FISHING FOR TWO DAYS ABANDON THE
 HOLE AND MOVED LOCATION. LEFT THREE DRILL COLLARS, JARS AND BIT IN HOLE.
 ABANDONED BY SPOTTING 300 SXS CMT PLUG @ 3093'-3350'; 110 SXS @ 743'-943';
 AND 10 SXS CMT @ SURFACE.

FORM C-108
 SECTION VI

APPLICATION FOR AUTHORIZATION
 TO INJECT

Parker & Parsley
 Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

TEXACO INC

BOWMAN

OPERATOR

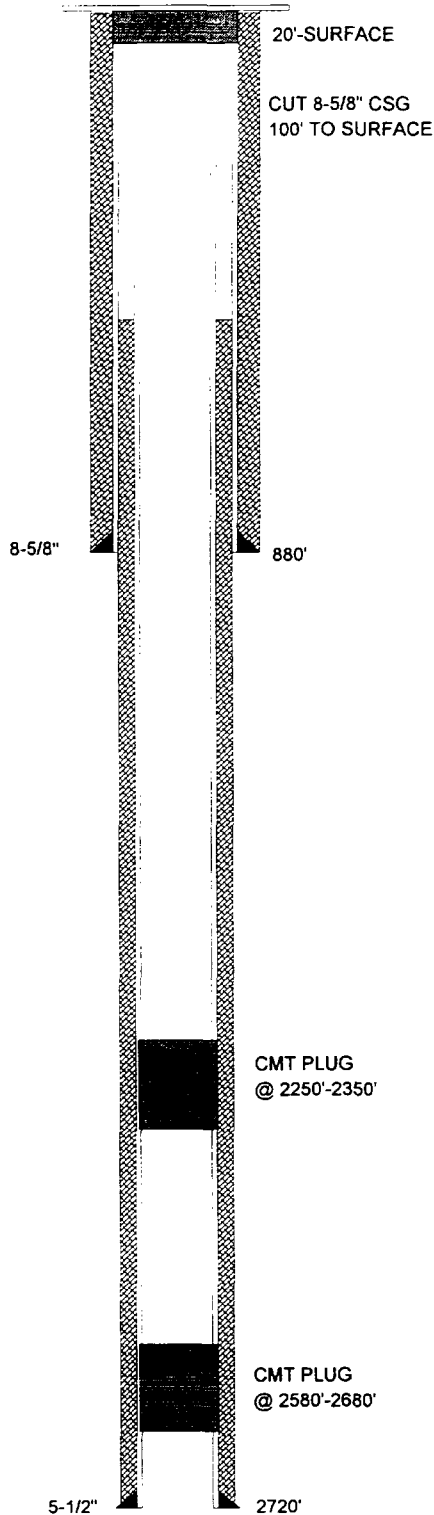
LEASE

1	2310' FNL & 2310' FWL	SEC-29	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PLUGGED & ABANDONED

SPUD DATE: 10/10/67

SCHEMATIC



TABULAR DATA

1. SURFACE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 500 SX
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 11 INCHES

2. INTERMEDIATE CASING

SIZE: N/A INCHES CEMENTED WITH: N/A SX
 TOC: N/A FEET DETERMINED BY: N/A
 HOLE SIZE: N/A INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 700 SX
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 2770 FEET

5. PERFORATIONS

2628 FEET TO: 2648 FEET

(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?

**LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
 DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED.**

N/A

CMT PLUG
 @ 2250'-2350'

CMT PLUG
 @ 2580'-2680'

FORM C-108
 SECTION VI

APPLICATION FOR AUTHORIZATION
 TO INJECT

Parker & Parsley
 Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

KINCAID & WATSON DRILLING CO.

SA BOWMAN FEDERAL

OPERATOR

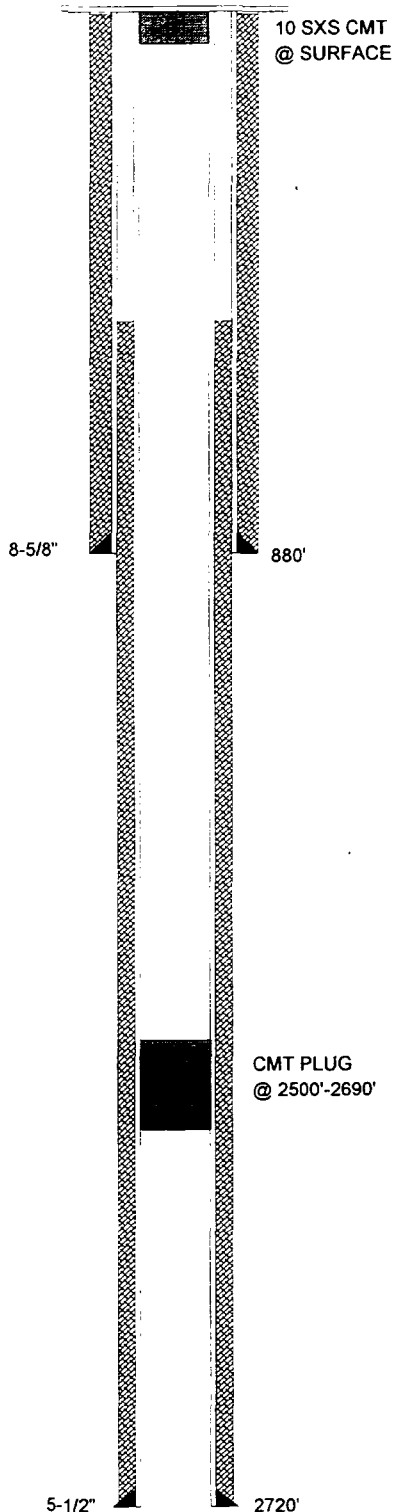
LEASE

1	330' FSL & 2310' FWL	SEC-29	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PLUGGED & ABANDONED SPUD DATE: 8/15/57

SCHEMATIC

TABULAR DATA



1. SUFACE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 500 SX
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 11 INCHES

2. INTERMEDIATE CASING

SIZE: N/A INCHES CEMENTED WITH: N/A SX
 TOC: N/A FEET DETERMINED BY: N/A
 HOLE SIZE: N/A INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 600 SX
 TOC: 250 FEET DETERMINED BY: Temp. Survey
 HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 2770 FEET

5. PERFORATIONS

2493 FEET TO: 2567 FEET
 (PERFORATED OR OPEN HOLE ; INDICATE WHICH)
PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?
LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED.

NONE

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

Parker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

TEXACO INC

SA BOWMAN FEDERAL

OPERATOR

LEASE

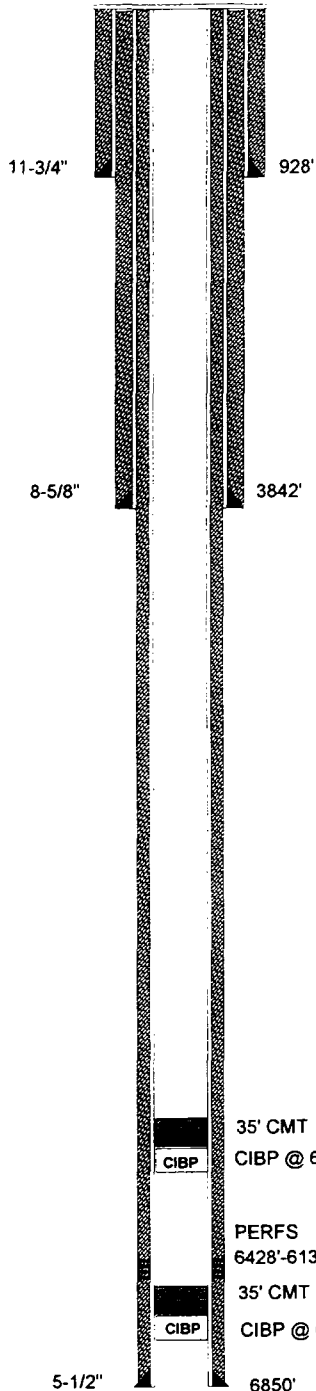
4	990' FSL & 1659' FEL	SEC-29	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PLUGGED & ABANDONED

SPUD DATE: 12/8/87

SCHEMATIC

TABULAR DATA



1. SURFACE CASING

SIZE: 11-3/4 INCHES CEMENTED WITH: 1000 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 14-3/4 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 1800 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 11 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 1750 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 6850 FEET

5. PERFORATIONS

6428 FEET TO: 6139 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?
LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NONE

35' CMT
CIBP @ 6300'

PERFS
6428'-6139'

35' CMT
CIBP @ 6650'

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

Parker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

Parker & Parsley
Development L.P.

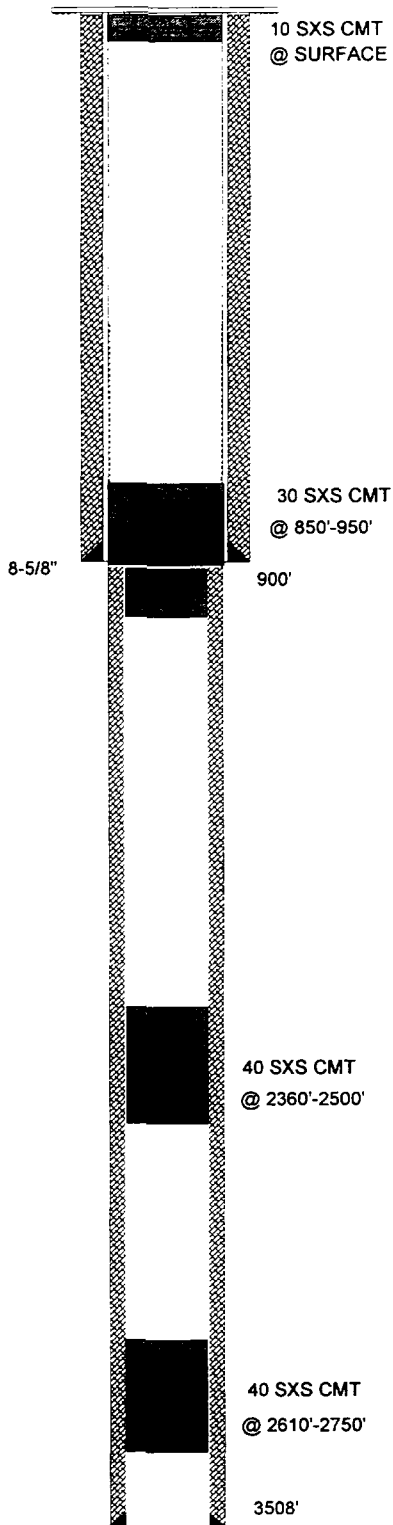
NEW MEXICO "DH" STATE

OPERATOR

LEASE

1
WELL NO.330' FNL & 330' FEL
FOOTAGE LOCATIONSEC-32
SECTIONT-19-S
TOWNSHIPR-32-E
RANGETYPE OF WELL: PLUGGED & ABANDONEDSPUD DATE: 2/25/71

SCHEMATIC



TABULAR DATA

1. SURFACE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 530 sxTOC: Surface FEET DETERMINED BY: CirculatedHOLE SIZE: 11 INCHES

2. INTERMEDIATE CASING

SIZE: N/A INCHES CEMENTED WITH: N/A sxTOC: N/A FEET DETERMINED BY: N/AHOLE SIZE: N/A INCHES

3. LONG STRING

SIZE: N/A INCHES CEMENTED WITH: N/A sxTOC: N/A FEET DETERMINED BY: N/AHOLE SIZE: 7-7/8 INCHES4. TOTAL DEPTH: 3508 FEET

5. PERFORATIONS

N/A FEET TO: N/A FEET
 (PERFORATED OR OPEN HOLE ; INDICATE WHICH)
 PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?
 LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
 DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. N/A

FORM C-108
SECTION VIAPPLICATION FOR AUTHORIZATION
TO INJECTParker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

**Parker & Parsley
Development L.P.**

NEW MEXICO "DH" STATE

OPERATOR

LEASE

1-Y
WELL NO.

380' FNL & 330' FEL
FOOTAGE LOCATION

SEC-32
SECTION

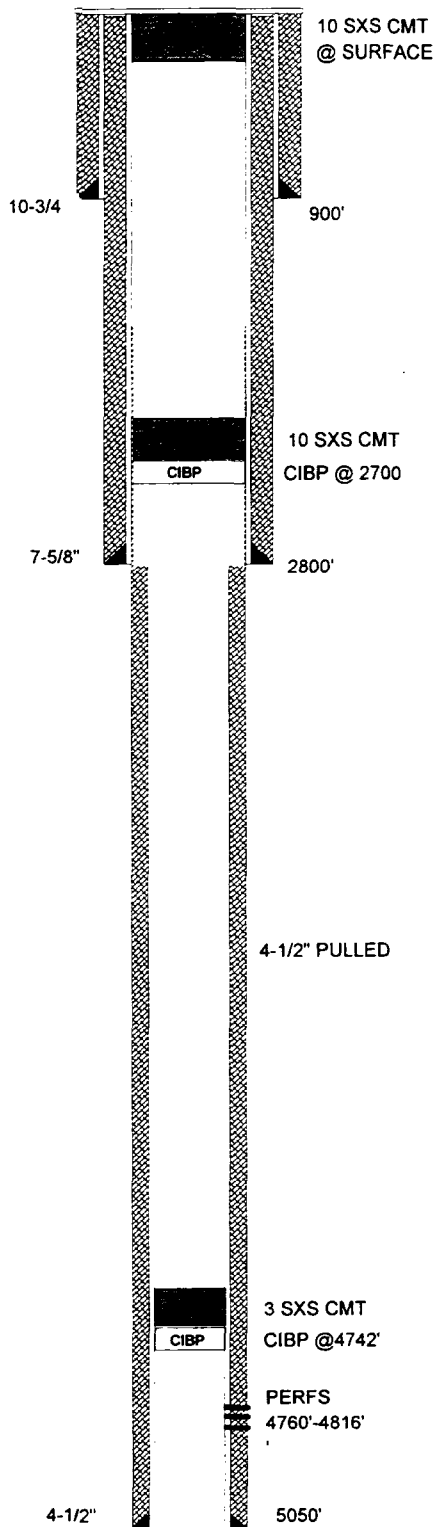
T-19-S
TOWNSHIP

R-32-E
RANGE

TYPE OF WELL: PLUGGED & ABANDONED

SPUD DATE: 3/12/71

SCHEMATIC



TABULAR DATA

1. SURFACE CASING

SIZE: 10-3/4 INCHES CEMENTED WITH: 680 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 7-5/8 INCHES CEMENTED WITH: 350 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 11 INCHES

3. LONG STRING

SIZE: 4-1/2 INCHES CEMENTED WITH: 154 SX

TOC: 4400 FEET DETERMINED BY: Temp. Survey

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 5050 FEET

5. PERFORATIONS

4760 FEET TO: 4816 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?
LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NONE

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

Parker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

**Parker & Parsley
Development L.P.**

FORAN "NF" SATE

OPERATOR

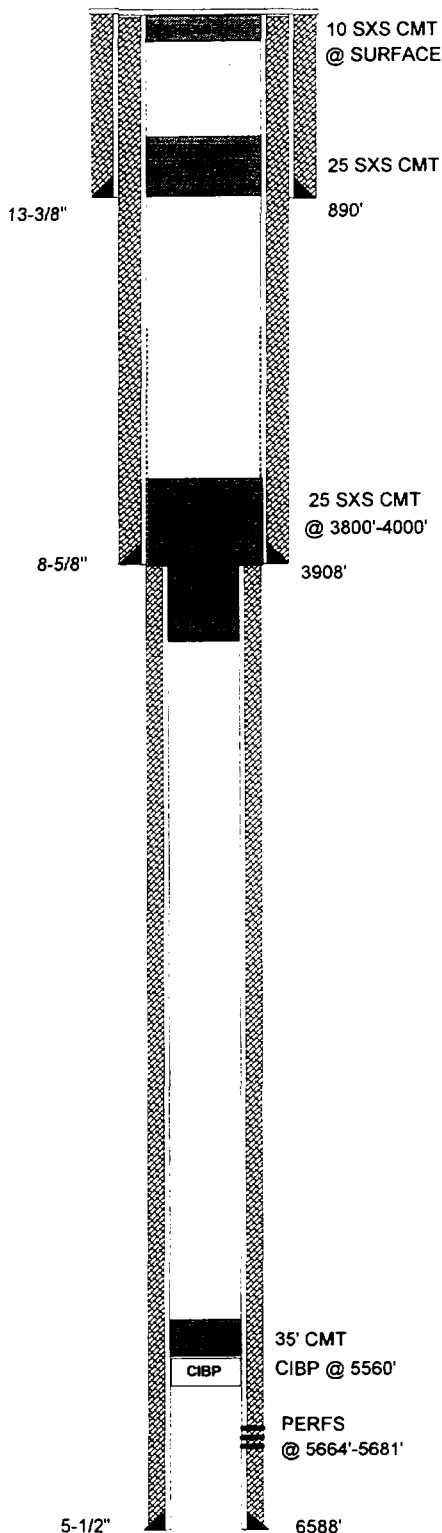
LEASE

1	330' FNL & 1980' FEL	SEC-32	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PLUGGED & ABANDONED

SPUD DATE: 12/16/87

SCHEMATIC



TABULAR DATA

1. SURFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 760 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-7/8 INCHES CEMENTED WITH: 1555 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 11 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 545 SX

TOC: 4300 FEET DETERMINED BY: Temp. Survey

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 6588 FEET

5. PERFORATIONS

5664 FEET TO: 5681 FEET

(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?
LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. N/A

FORM C-108
SECTION VI

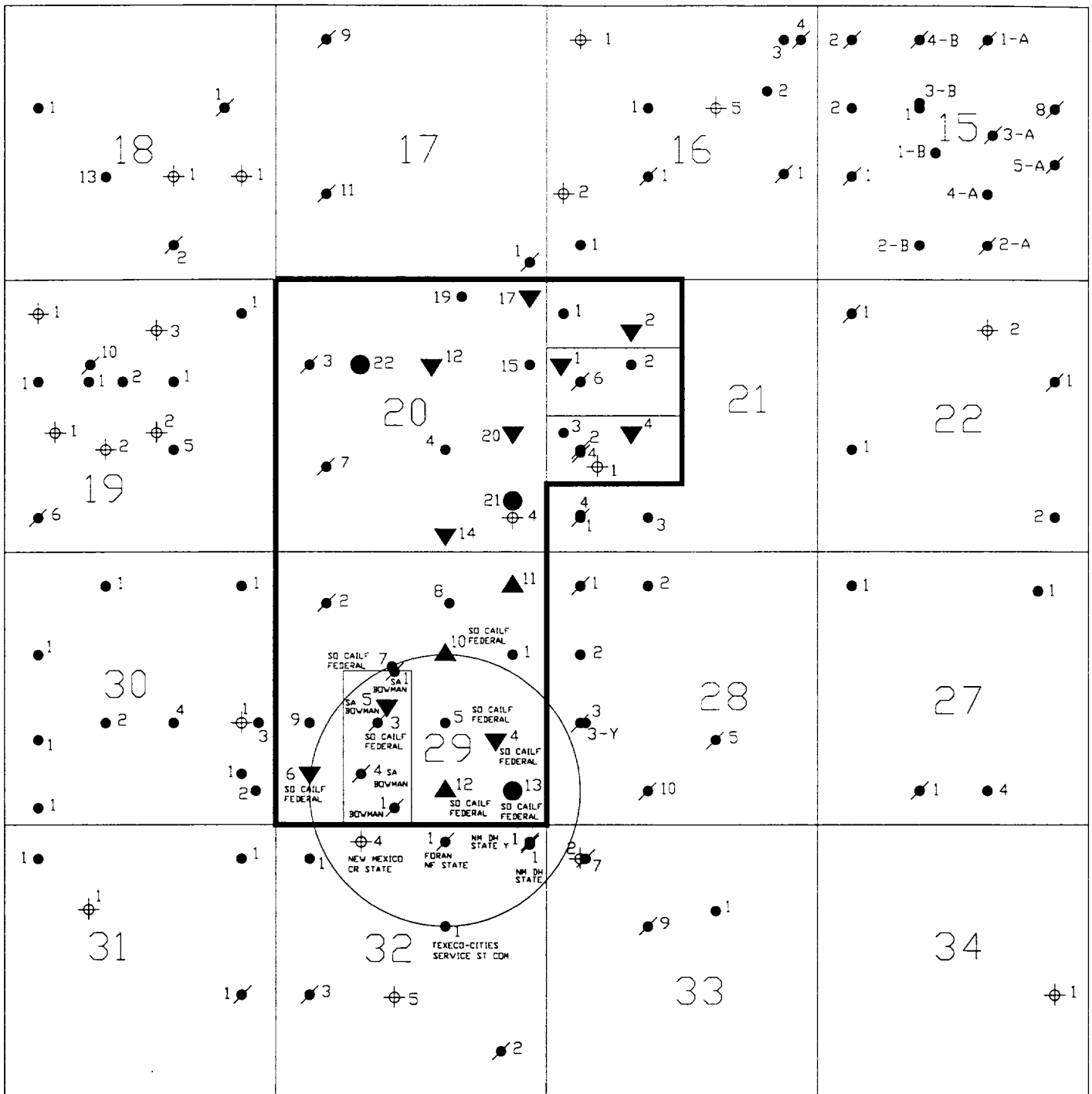
APPLICATION FOR AUTHORIZATION
TO INJECT

Parker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

SECTION V



PROPOSED INJECTION WELL DATA SHEET

OPERATOR: Parker & Parsley Development L.P.

LEASE: SOUTHERN CALIFORNIA FEDERAL

WELL NO12

1980' FEL & 660' FSL

SEC-29

T-19-S

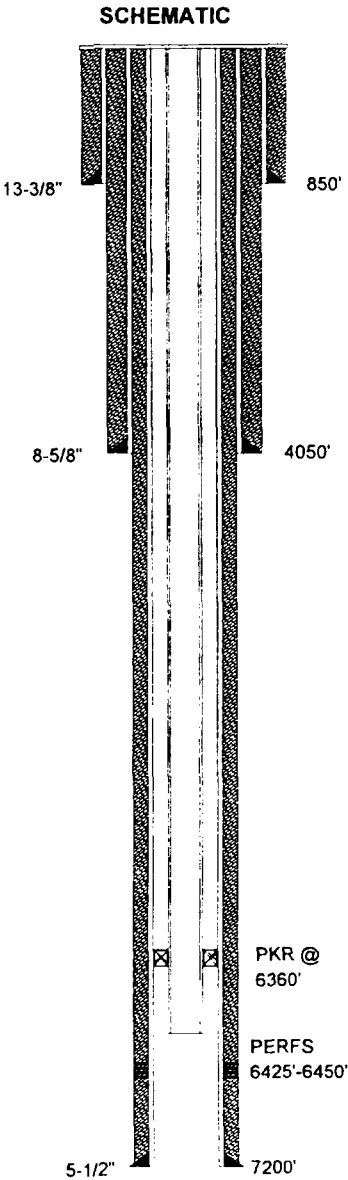
R-32-E

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE



WELL CONSTRUCTION DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES

CEMENTED WITH: 675 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES

CEMENTED WITH: 775 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 11 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES

CEMENTED WITH: 1265 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 7-7/8 INCHES

4. INJECTION INTERVAL 6425 FEET TO: 6450 FEET

(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

"PERFORATED"

5. TOTAL DEPTH: 7200 FEET

6. TUBING SIZE

SIZE: 2-7/8 INCHES

LINED WITH: IPC 505 - PLASTIC COATING

SET IN A: ARROW SET 1-XS, PKR

PACKER AT: 6360 FEET:

OTHER DATA

A. IS THIS A NEW WELL DRILLED FOR INJECTION? X YES NO

IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED? N/A

B. NAME THE INJECTION FORMATION: 6400' SAND (BRUSHY CANYON)

C. NAME THE FIELD OR POOL (IF APPLICABLE) LUSK WEST (DELAWARE)

D. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED DETAIL. I.E. SACKS OF CEMENT OR PLUG(S) USED. NO

E. GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA:

1. YATES 2600'-2800'	WATKINS YATES	5. STRAWN 11000'-11200'	LUSK STRAWN OIL
	N.E. LUSK YATES		
	S. LUSK YATES	6. ATOKA 11200'-11400'	LUSK ATOKA GAS
2. DELAWARE 4600'-7100'	W. LUSK DELAWARE	7. MORROW 11500'-12000'	LUSK MORROW GAS
	LUSK DELAWARE		N.W. LUSK MORROW GAS
			N. LUSK MORROW GAS
3. BONE SPRING 8200'-8950'	WATKINS BONE SPRING		
	LUSK BONE SPRING		
	S. LUSK BONE SPRING		
	E. LUSK BONE SPRING		
4. WOLF CAMP 10100'-10700'	LUSK WOLFCAMP OIL		
	E. LUSK WOLFCAMP OIL		
	S. LUSK WOLFCAMP OIL		

PROPOSED INJECTION WELL DATA SHEET

OPERATOR: Parker & Parsley Development L.P.

LEASE: SOUTHERN CALIFORNIA FEDERAL

WELL4

1650' FSL & 990' FEL

SEC-29

T-19-S

R-32-E

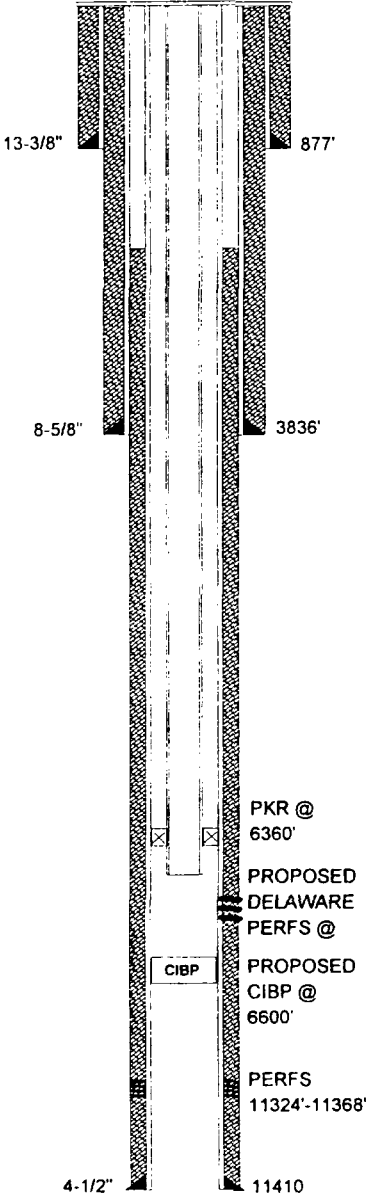
FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

SCHEMATIC



WELL CONSTRUCTION DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHESCEMENTED WITH: 775 SX

TOC: SurfaceFEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHESCEMENTED WITH: 2660 SX

TOC: SurfaceFEET DETERMINED BY: Circulated

HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 4-1/2 INCHESCEMENTED WITH: 600 SX

TOC: 3400FEET DETERMINED BY: SQZ HOLE @ 3400' W/35 SXS CMT

HOLE SIZE: 7-7/8 INCHES

4. INJECTION INTERVAL 6430 FEET TO: 6450 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

5. TOTAL DEPTH: 11449 FEET

6. TUBING SIZE

SIZE: 2-7/8 INCHESLINED WITH: IPC 505 - PLASTIC COATING

SET IN A: ARROW SET 1-XS, PKRPACKER AT: 6360 FEET:

OTHER DATA

A. IS THIS A NEW WELL DRILLED FOR INJECTION? YESNO

IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED? PRODUCING OIL AND GAS WELL

B. NAME THE INJECTION FORMATION: 6400' SAND (BRUSHY CANYON)

C. NAME THE FIELD OR POOL (IF APPLICABLE) LUSK WEST (DELAWARE)

D. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NOCURRENT OIL AND GAS PODUCTION FROM STRAWN PERFS
11324'-11368'. PLAN TO SET CIBP @ 6600' W/5SXS CMT ON TOP & PERF DELAWARE @ 6430'-50' CONVERT TO WIW WELL.

E. GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA:

1. YATES 2600'-2800' WATKINS YATES
N.E. LUSK YATES
S. LUSK YATES

2. DELAWARE 4600'-7100' W. LUSK DELAWARE
LUSK DELAWARE

3. BONE SPRING 8200'-8950' WATKINS BONE SPRING
LUSK BONE SPRING
S. LUSK BONE SPRING
E. LUSK BONE SPRING

4. WOLF CAMP 10100'-1070 LUSK WOLFCAMP OIL
E. LUSK WOLFCAMP OIL
S. LUSK WOLFCAMP OIL

5. STRAWN 11000'-112 LUSK STRAWN OIL

6. ATOKA 11200'-1140 LUSK ATOKA GAS

7. MORROW 11500'-12 LUSK MORROW GAS
N.W. LUSK MORROW GAS
N. LUSK MORROW GAS

PROPOSED INJECTION WELL DATA SHEET

OPERATOR:

Parker & Parsley
Development L.P.

LEASE:

S. A. BOWMAN FEDERAL

WELL NO

5

2310' FSL & 2160' FWL

SEC-29

T-19-S

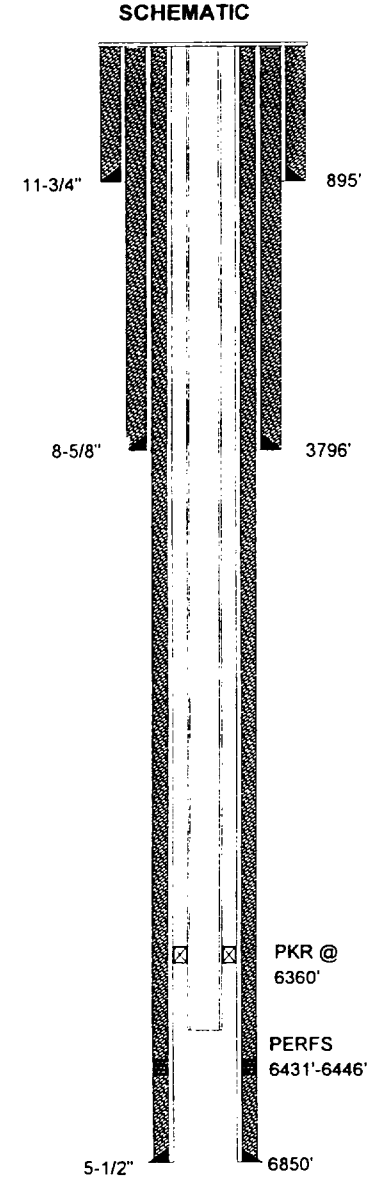
R-32-E

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE



WELL CONSTRUCTION DATA

1. SUFACE CASING

SIZE: 11-3/4 INCHES CEMENTED WITH: 1000 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 14-3/4 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 1400 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 11 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 1610 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 7-7/8 INCHES

4. INJECTION INTERVAL 6431 FEET TO: 6446 FEET

(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

"PERFORATED"

5. TOTAL DEPTH: 6850 FEET

6. TUBING SIZE

SIZE: 2-7/8 INCHES LINED WITH: IPC 505 - PLASTIC COATING

SET IN A: ARROW SET 1-XS, PKR PACKER AT: 6360 FEET:

OTHER DATA

A. IS THIS A NEW WELL DRILLED FOR INJECTION? YES NO

IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED? PRODUCING OIL AND GAS WELL

B. NAME THE INJECTION FORMATION: 6400' SAND (BRUSHY CANYON)

C. NAME THE FIELD OR POOL (IF APPLICABLE) LUSK WEST (DELAWARE)

D. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED NONE

E. GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA:

1. YATES 2600'-2800' WATKINS YATES
N.E. LUSK YATES
S. LUSK YATES

5. STRAWN 11000'-11200' LUSK STRAWN OIL

2. DELAWARE 4600'-7100' W. LUSK DELAWARE
LUSK DELAWARE

6. ATOKA 11200'-11400' LUSK ATOKA GAS

3. BONE SPRING 8200'-8950' WATKINS BONE SPRING
LUSK BONE SPRING
S. LUSK BONE SPRING
E. LUSK BONE SPRING

7. MORROW 11500'-12000' LUSK MORROW GAS
N.W. LUSK MORROW GAS
N. LUSK MORROW GAS

4. WOLF CAMP 10100'-10700' LUSK WOLFCAMP OIL
E. LUSK WOLFCAMP OIL
S. LUSK WOLFCAMP OIL

FORM C-108
SECTION III
APPLICATION FOR AUTHORIZATION
TO INJECT
Parker & Parsley
Development L.P.
WATER INJECTION WELL

PROPOSED INJECTION WELL DATA SHEET

OPERATOR:

Parker & Parsley
Development L.P.

LEASE:

SOUTHERN CALIFORNIA FEDERAL

WELL NO

6

990' FSL & 660' FWL

SEC-29

T-19-S

R-32-E

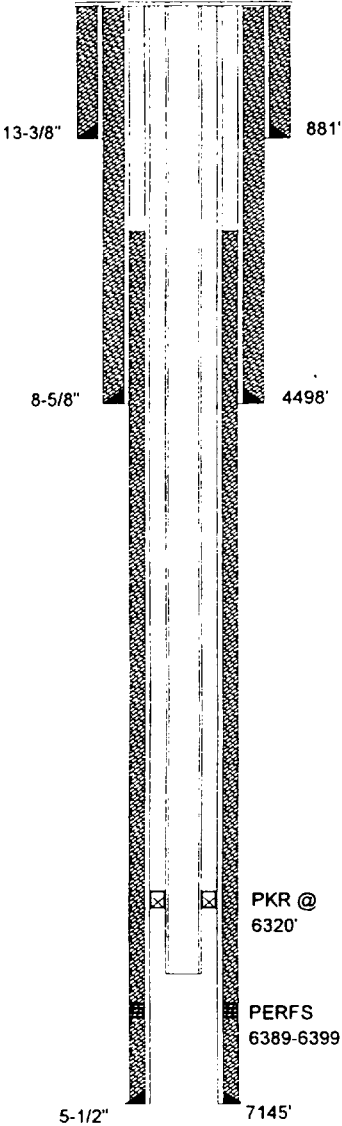
FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

SCHEMATIC



WELL CONSTRUCTION DATA

1. SUFACE CASING

SIZE:

13-3/8

INCHES

CEMENTED WITH:

735

SX

TOC:

Surface

FEET DETERMINED BY:

Circulated

HOLE SIZE:

17-1/2

INCHES

2. INTERMEDIATE CASING

SIZE:

8-5/8

INCHES

CEMENTED WITH:

2600

SX

TOC:

Surface

FEET DETERMINED BY:

Circulated

HOLE SIZE:

12-1/4

INCHES

3. LONG STRING

SIZE:

5-1/2

INCHES

CEMENTED WITH:

940

SX

TOC:

4200

FEET DETERMINED BY:

CALCULATED

HOLE SIZE:

7-7/8

INCHES

4. INJECTION INTERVAL

6389

FEET TO:

6399

FEET

(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

"PERFORATED"

5. TOTAL DEPTH:

7200

FEET

6. TUBING SIZE

SIZE:

2-7/8

INCHES

LINED WITH:

IPC 505 - PLASTIC COATING

SET IN A:

ARROW SET 1-XS, PKR

PACKER AT:

6320

FEET:

OTHER DATA

A.

IS THIS A NEW WELL DRILLED FOR INJECTION?

YES

X

NO

IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED?

PRODUCING OIL AND GAS WELL

B.

NAME THE INJECTION FORMATION:

6400' SAND (BRUSHY CANYON)

C.

NAME THE FIELD OR POOL (IF APPLICABLE)

LUSK WEST (DELAWARE)

D.

HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED.

NO

E.

GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA:

1. YATES 2600'-2800'	WATKINS YATES N.E. LUSK YATES S. LUSK YATES	5. STRAWN 11000'-11200'	LUSK STRAWN OIL
2. DELAWARE 4600'-7100'	W. LUSK DELAWARE LUSK DELAWARE	6. ATOKA 11200'-11400'	LUSK ATOKA GAS
3. BONE SPRING 8200'-8950'	WATKINS BONE SPRING LUSK BONE SPRING S. LUSK BONE SPRING E. LUSK BONE SPRING	7. MORROW 11500'-12000'	LUSK MORROW GAS N.W. LUSK MORROW GAS N. LUSK MORROW GAS
4. WOLF CAMP 10100'-10700'	LUSK WOLFCAMP OIL E. LUSK WOLFCAMP OIL S. LUSK WOLFCAMP OIL		

WELL DATA SHEET

**Parker & Parsley
Development L.P.**

SOUTHERN CALIFORNIA FEDERAL

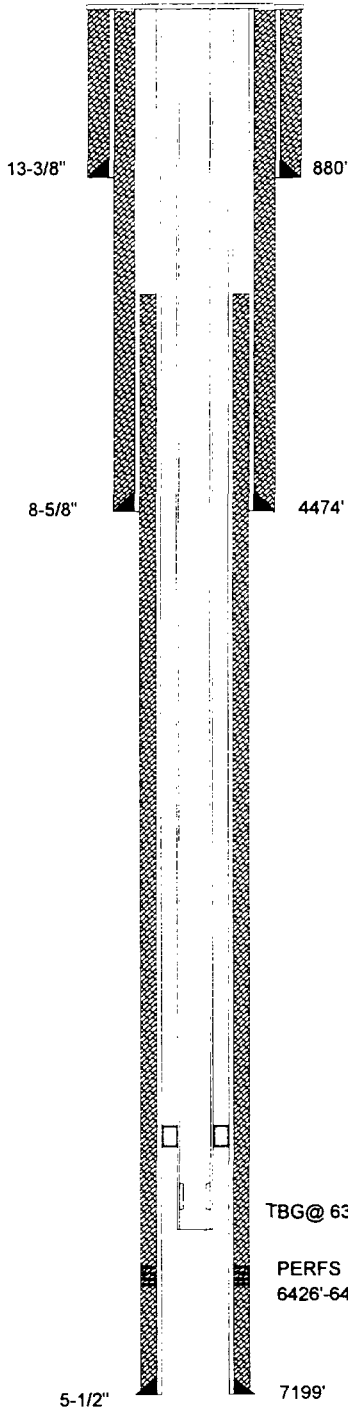
OPERATOR

LEASE

5	1980' FSL & 1980' FEL	SEC-29	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PRODUCING OIL AND GAS WELL SPUD DATE: 12/5/87

SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 735 SX
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 2350 SX
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 800 SX
 TOC: 4210 FEET DETERMINED BY: Cmt Bond Log
 HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 7200 FEET

5. PERFORATIONS

6426 FEET TO: 6444 FEET
 (PERFORATED OR OPEN HOLE ; INDICATE WHICH)
 "PERFORATED"

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

**Parker & Parsley
Development L.P.**

SOUTHERN CALIFORNIA FEDERAL

OPERATOR

LEASE

7

2210' FNL & 2260' FWL

SEC-29

T-19-S

R-32-E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

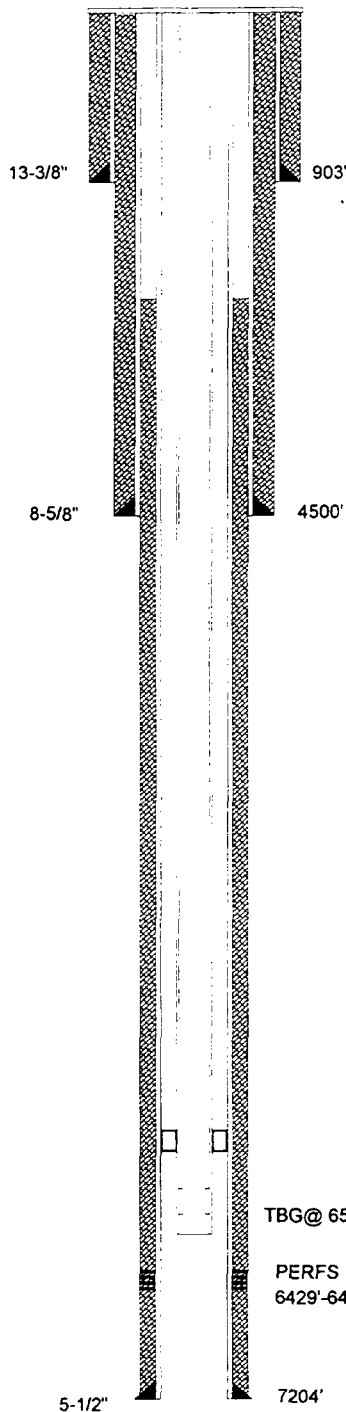
TYPE OF WELL:

PRODUCING OIL AND GAS WELL

SPUD DATE:

3/24/88

SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 735 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 2450 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 600 SX

TOC: 4000 FEET DETERMINED BY: Cmt Bond Log

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 7204 FEET

5. PERFORATIONS

6429 FEET TO: 6442 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

**Parker & Parsley
Development L.P.**

SOUTHERN CALIFORNIA FEDERAL

OPERATOR

LEASE

13
WELL NO.

660' FSL & 660' FEL
FOOTAGE LOCATION

SEC-29
SECTION

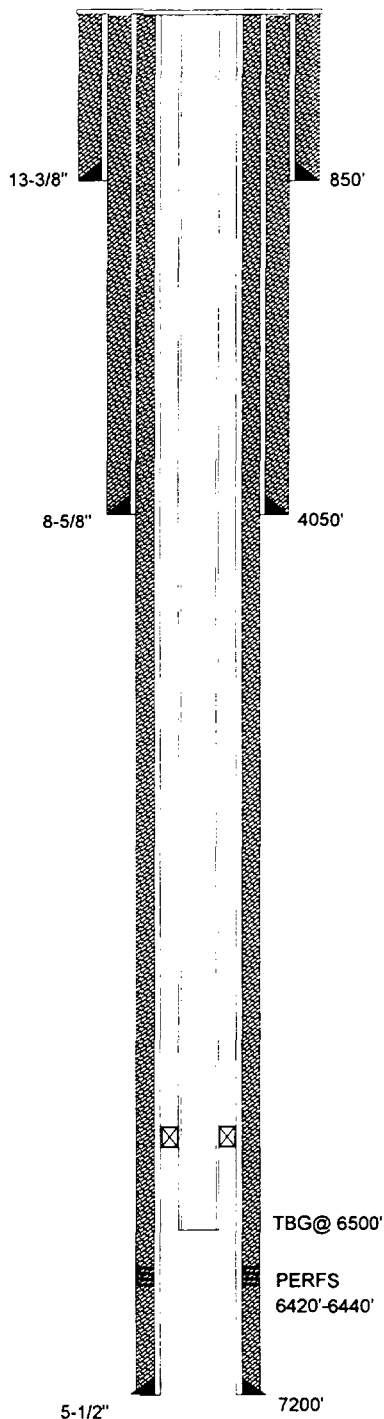
T-19-S
TOWNSHIP

R-32-E
RANGE

TYPE OF WELL: PRODUCING OIL AND GAS WELL

SPUD DATE: 1997

SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 675 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 1325 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 1530 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 7200 FEET

5. PERFORATIONS

6420 FEET TO: 6440 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

KINCAID & WATSON DRILLING CO.

SA BOWMAN FEDERAL

OPERATOR

LEASE

1	330' FSL & 2310' FWL	SEC-29	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PLUGGED & ABANDONED

SPUD DATE: 8/15/57

SCHEMATIC

TABULAR DATA

1. SUFACE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 500 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 11 INCHES

2. INTERMEDIATE CASING

SIZE: N/A INCHES CEMENTED WITH: N/A SX

TOC: N/A FEET DETERMINED BY: N/A

HOLE SIZE: N/A INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 600 SX

TOC: 250 FEET DETERMINED BY: Temp. Survey

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 2770 FEET

5. PERFORATIONS

2493 FEET TO: 2567 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?
LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED.

NONE

CMT PLUG
@ 2500'-2690'

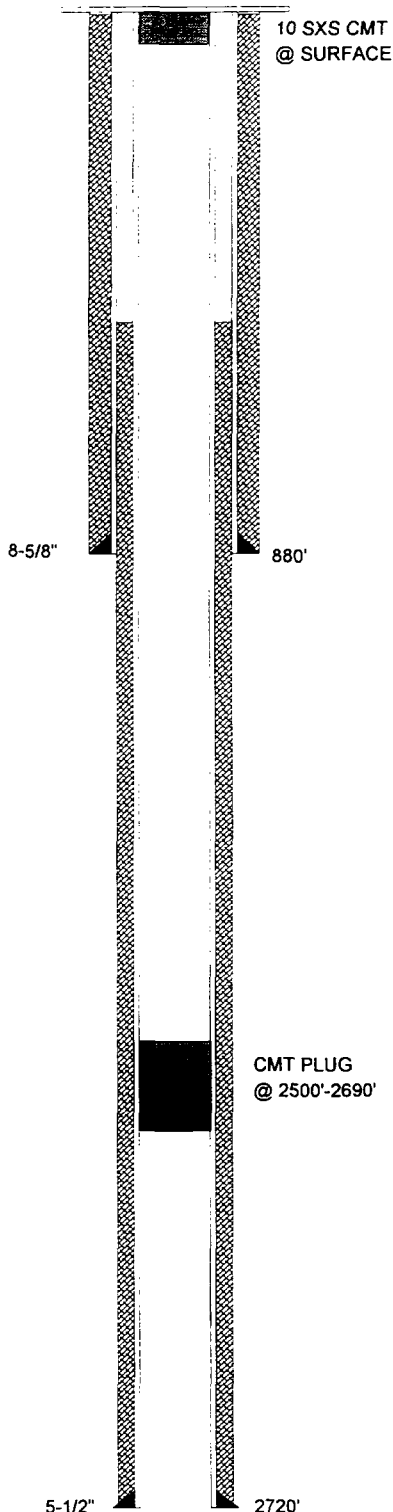
FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

Parker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA



WELL DATA SHEET

**Parker & Parsley
Development L.P.**

SOUTHERN CALIFORNIA FEDERAL

OPERATOR

LEASE

3
WELL NO.

1980' FSL & 1980' FWL
FOOTAGE LOCATION

SEC-29
SECTION

T-19-S
TOWNSHIP

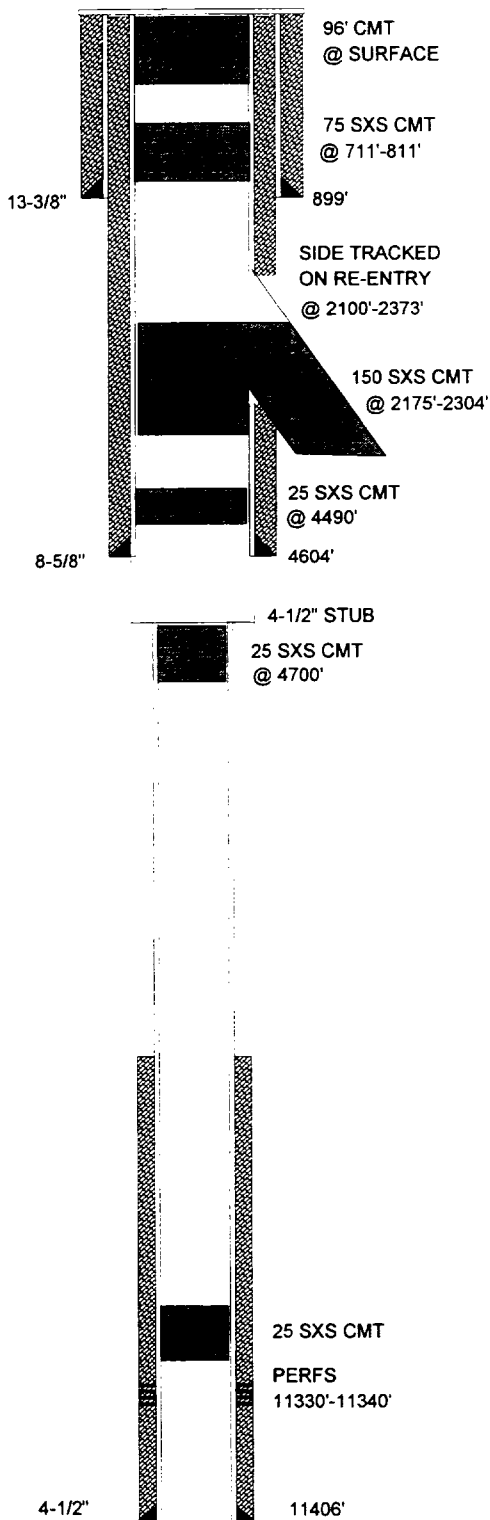
R-32-E
RANGE

TYPE OF WELL:

PLUGGED & ABANDONED

SPUD DATE: 10/24/63

SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 600 sx
TOC: Surface FEET DETERMINED BY: Circulated
HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 1700 sx
TOC: Surface FEET DETERMINED BY: Circulated
HOLE SIZE: 11 INCHES

3. LONG STRING

SIZE: 4-1/2 INCHES CEMENTED WITH: 300 sx
TOC: 10100 FEET DETERMINED BY: Temp. Survey
HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 11406 FEET

5. PERFORATIONS

11330 FEET TO: 11340 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?
LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NONE

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

Parker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

TEXACO INC

BOWMAN

OPERATOR

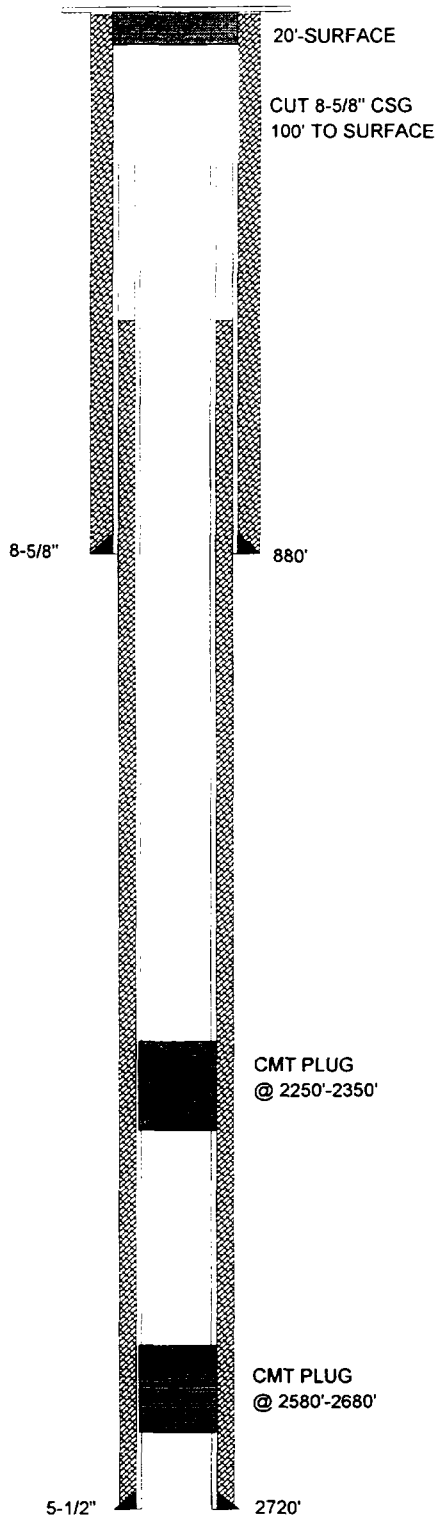
LEASE

1	2310' FNL & 2310' FWL	SEC-29	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PLUGGED & ABANDONED

SPUD DATE: 10/10/67

SCHEMATIC



TABULAR DATA

1. SURFACE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 500 SX
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 11 INCHES

2. INTERMEDIATE CASING

SIZE: N/A INCHES CEMENTED WITH: N/A SX
 TOC: N/A FEET DETERMINED BY: N/A
 HOLE SIZE: N/A INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 700 SX
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 2770 FEET

5. PERFORATIONS

2628 FEET TO: 2648 FEET
 (PERFORATED OR OPEN HOLE ; INDICATE WHICH)
PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?
 LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
 DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED.

N/A

CMT PLUG
 @ 2250'-2350'

CMT PLUG
 @ 2580'-2680'

FORM C-108
 SECTION VI

APPLICATION FOR AUTHORIZATION
 TO INJECT

Parker & Parsley
 Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

TEXACO INC.

NEW MEXICO "CR" STATE

OPERATOR

LEASE

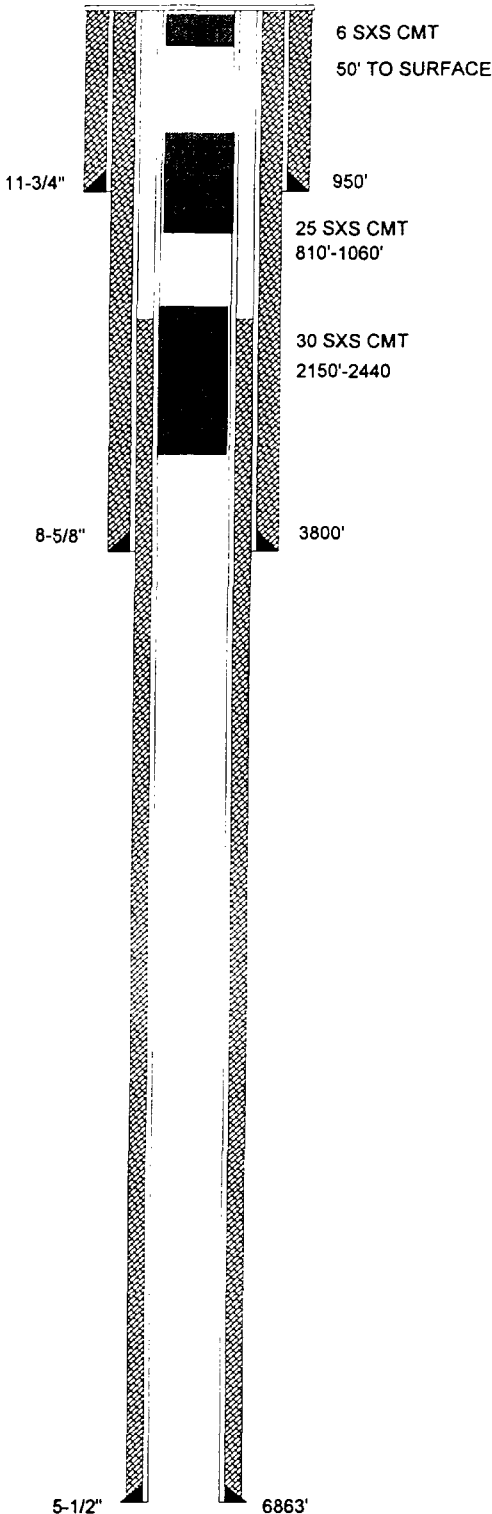
4	330' FNL & 1662' FWL	SEC-32	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: DRY HOLE

SPUD DATE: 11/16/87

SCHEMATIC

TABULAR DATA



1. SURFACE CASING

SIZE: 11-3/4 INCHES CEMENTED WITH: 1000 SX
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 2200 SX
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 1600 SX
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 6863 FEET

5. PERFORATIONS

6442 FEET TO: 6446 FEET
 (PERFORATED OR OPEN HOLE ; INDICATE WHICH)
PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?

LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
 DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NONE

FORM C-108
 SECTION VI

APPLICATION FOR AUTHORIZATION
 TO INJECT

Parker & Parsley
 Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

**Parker & Parsley
Development L.P.**

NEW MEXICO "DH" STATE

OPERATOR

LEASE

1-Y

380' FNL & 330' FEL

SEC-32

T-19-S

R-32-E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

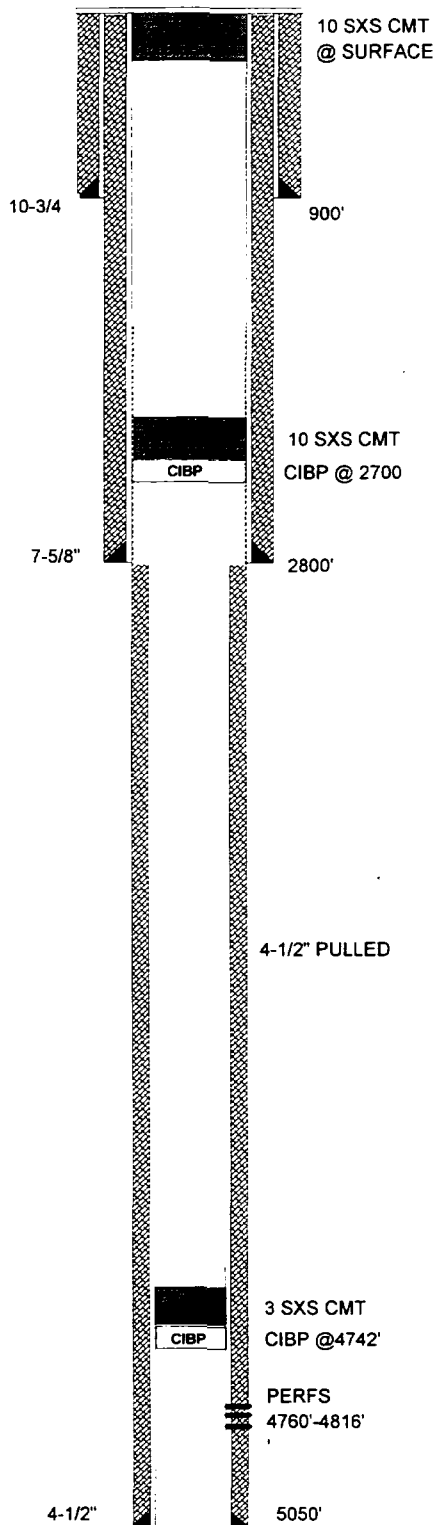
TYPE OF WELL:

PLUGGED & ABANDONED

SPUD DATE:

3/12/71

SCHEMATIC



TABULAR DATA

1. SURFACE CASING

SIZE: 10-3/4 INCHES CEMENTED WITH: 680 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 7-5/8 INCHES CEMENTED WITH: 350 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 11 INCHES

3. LONG STRING

SIZE: 4-1/2 INCHES CEMENTED WITH: 154 SX

TOC: 4400 FEET DETERMINED BY: Temp. Survey

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 5050 FEET

5. PERFORATIONS

4760 FEET TO: 4816 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?
LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NONE

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

Parker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

**Parker & Parsley
Development L.P.**

NEW MEXICO "DH" STATE

OPERATOR

LEASE

1	330' FNL & 330' FEL	SEC-32	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PLUGGED & ABANDONED

SPUD DATE: 2/25/71

SCHEMATIC

TABULAR DATA

1. SUFACE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 530 sx

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 11 INCHES

2. INTERMEDIATE CASING

SIZE: N/A INCHES CEMENTED WITH: N/A sx

TOC: N/A FEET DETERMINED BY: N/A

HOLE SIZE: N/A INCHES

3. LONG STRING

SIZE: N/A INCHES CEMENTED WITH: N/A sx

TOC: N/A FEET DETERMINED BY: N/A

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 3508 FEET

5. PERFORATIONS

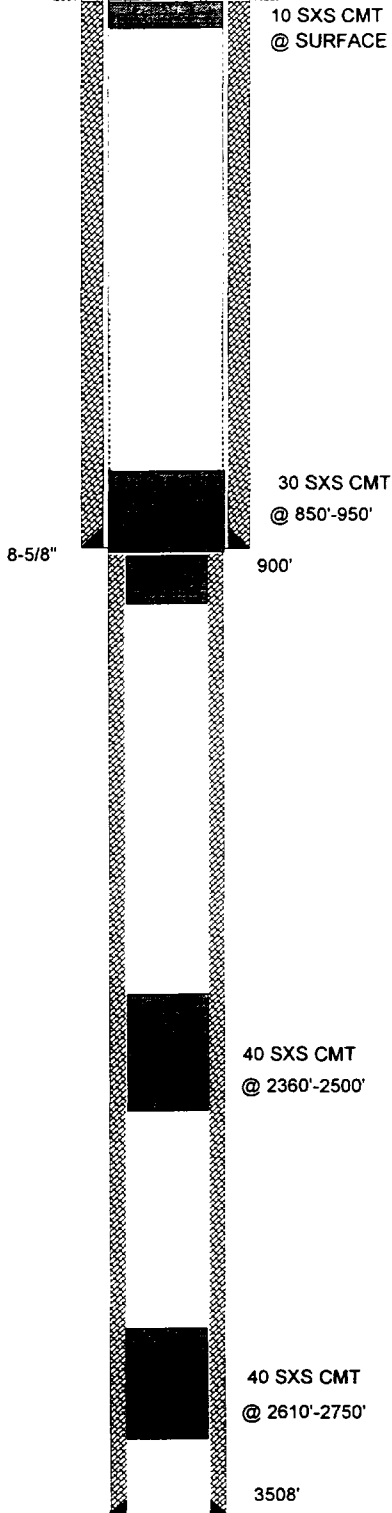
N/A FEET TO: N/A FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?

LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED.

N/A



FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

Parker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

**Parker & Parsley
Development L.P.**

FORAN "NF" SATE

OPERATOR

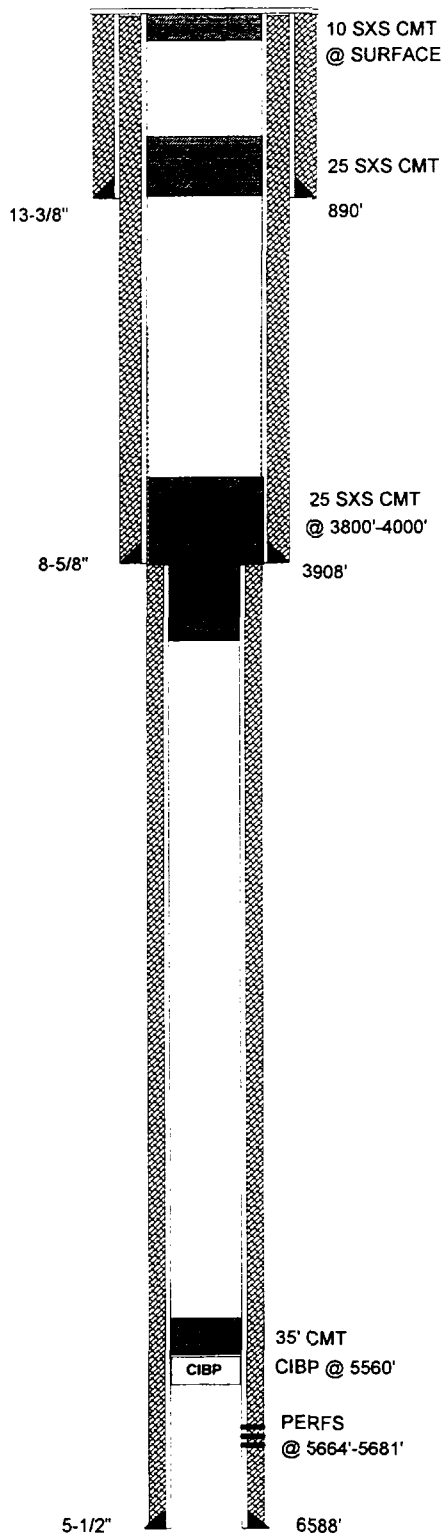
LEASE

1	330' FNL & 1980' FEL	SEC-32	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PLUGGED & ABANDONED

SPUD DATE: 12/16/87

SCHEMATIC



TABULAR DATA

1. SURFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 760 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-7/8 INCHES CEMENTED WITH: 1555 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 11 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 545 SX

TOC: 4300 FEET DETERMINED BY: Temp. Survey

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 6588 FEET

5. PERFORATIONS

5664 FEET TO: 5681 FEET

(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?

LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED.

N/A

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

Parker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

TEXACO INC

SA BOWMAN FEDERAL

OPERATOR

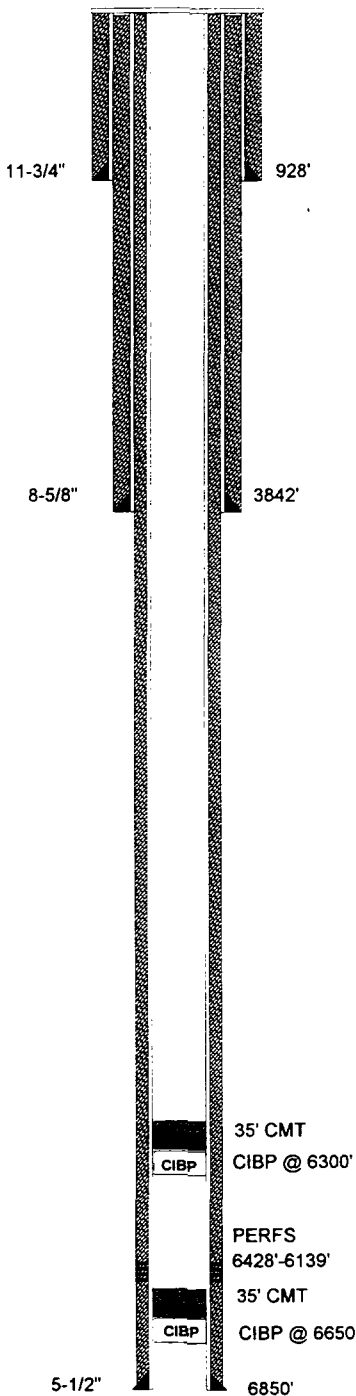
LEASE

4	990' FSL & 1659' FEL	SEC-29	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PLUGGED & ABANDONED

SPUD DATE: 12/8/87

SCHEMATIC



TABULAR DATA

1. SURFACE CASING

SIZE: 11-3/4 INCHES CEMENTED WITH: 1000 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 14-3/4 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 1800 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 11 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 1750 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 6850 FEET

5. PERFORATIONS

6428 FEET TO: 6139 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?
LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NONE

FORM C-108
SECTION VI

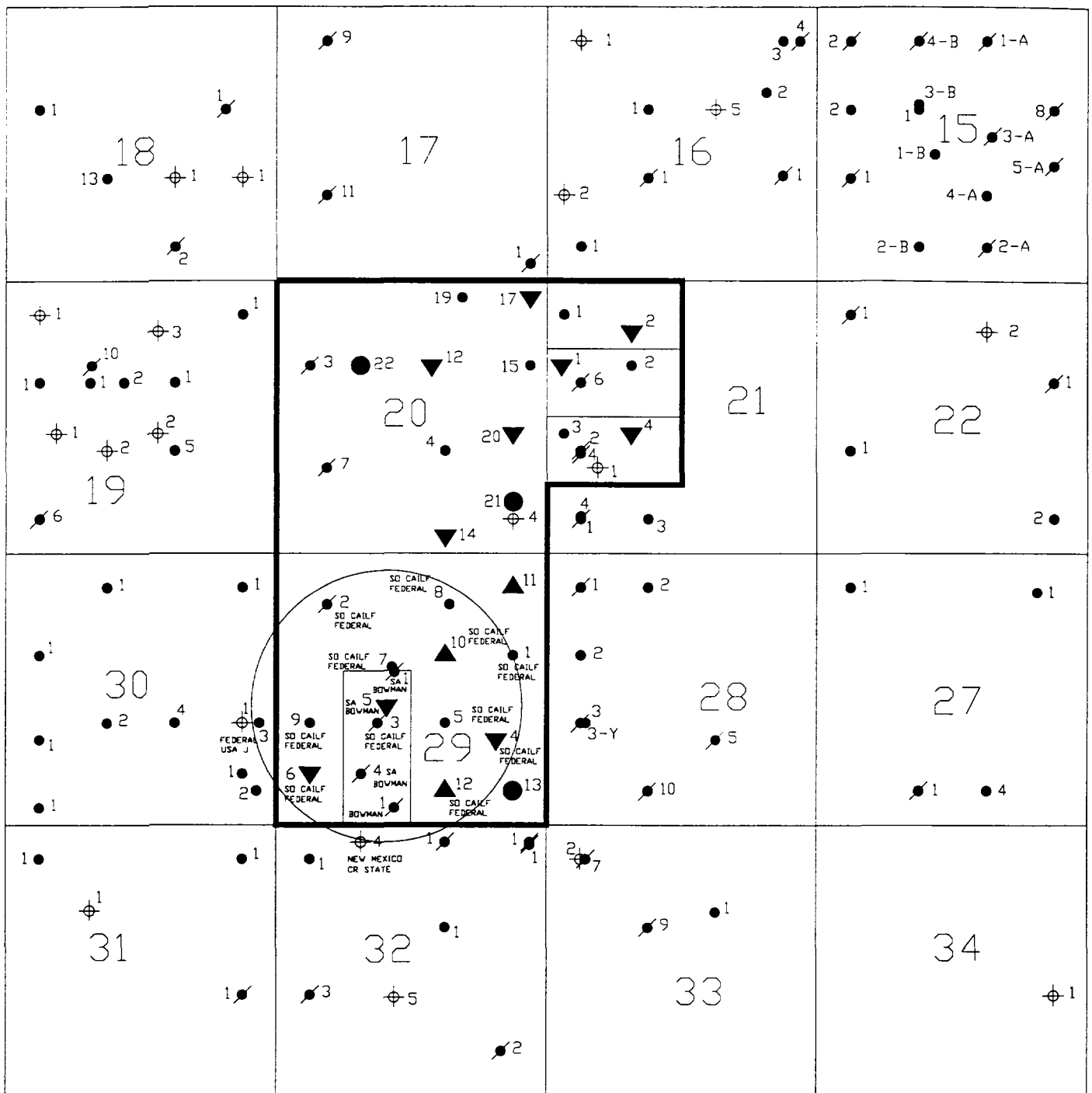
APPLICATION FOR AUTHORIZATION
TO INJECT

Parker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

SECTION V



PROPOSED INJECTION WELL DATA SHEET

OPERATOR: Parker & Parsley Development L.P.

LEASE: S. A. BOWMAN FEDERAL

WELL NO5

2310' FSL & 2160' FWL

SEC-29

T-19-S

R-32-E

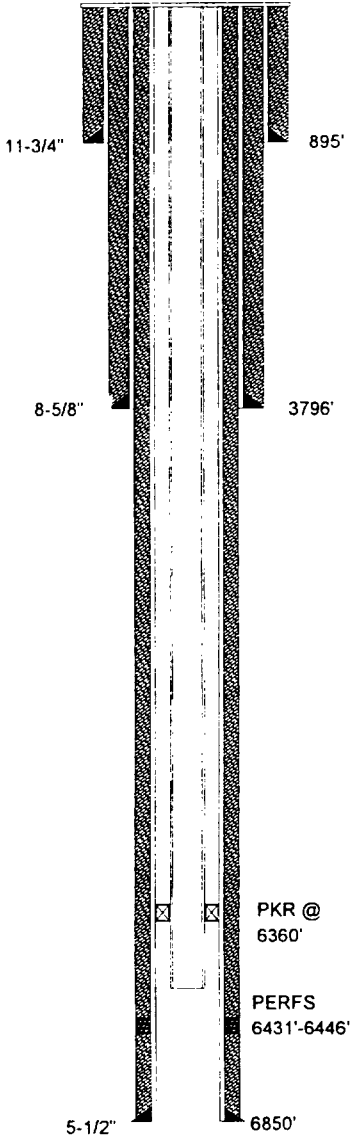
FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

SCHEMATIC



WELL CONSTRUCTION DATA

1. SUFACE CASING

SIZE: 11-3/4 INCHES

CEMENTED WITH: 1000 sx

TOC: Surface

FEET DETERMINED BY: Circulated

HOLE SIZE: 14-3/4 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES

CEMENTED WITH: 1400 sx

TOC: Surface

FEET DETERMINED BY: Circulated

HOLE SIZE: 11 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES

CEMENTED WITH: 1610 sx

TOC: Surface

FEET DETERMINED BY: Circulated

HOLE SIZE: 7-7/8 INCHES

4. INJECTION INTERVAL 6431 FEET TO: 6446 FEET

(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

"PERFORATED"

5. TOTAL DEPTH: 6850 FEET

6. TUBING SIZE

SIZE: 2-7/8 INCHES

LINED WITH: IPC 505 - PLASTIC COATING

SET IN A: ARROW SET 1-XS, PKR

PACKER AT: 6360 FEET:

OTHER DATA

A. IS THIS A NEW WELL DRILLED FOR INJECTION? YES NO

IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED? PRODUCING OIL AND GAS WELL

B. NAME THE INJECTION FORMATION: 6400' SAND (BRUSHY CANYON)

C. NAME THE FIELD OR POOL (IF APPLICABLE) LUSK WEST (DELAWARE)

D. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NONE

E. GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA:

1. YATES 2600'-2800'	WATKINS YATES	5. STRAWN 11000'-11200'	LUSK STRAWN OIL
	N.E. LUSK YATES		
	S. LUSK YATES	6. ATOKA 11200'-11400'	LUSK ATOKA GAS
2. DELAWARE 4600'-7100'	W. LUSK DELAWARE	7. MORROW 11500'-12000'	LUSK MORROW GAS
	LUSK DELAWARE		N.W. LUSK MORROW GAS
			N. LUSK MORROW GAS
3. BONE SPRING 8200'-8950'	WATKINS BONE SPRING		
	LUSK BONE SPRING		
	S. LUSK BONE SPRING		
	E. LUSK BONE SPRING		
4. WOLF CAMP 10100'-10700'	LUSK WOLFCAMP OIL		
	E. LUSK WOLFCAMP OIL		
	S. LUSK WOLFCAMP OIL		

PROPOSED INJECTION WELL DATA SHEET

OPERATOR: Parker & Parsley Development L.P.

LEASE: SOUTHERN CALIFORNIA FEDERAL

WELL NO6

990' FSL & 660' FWL

SEC-29

T-19-S

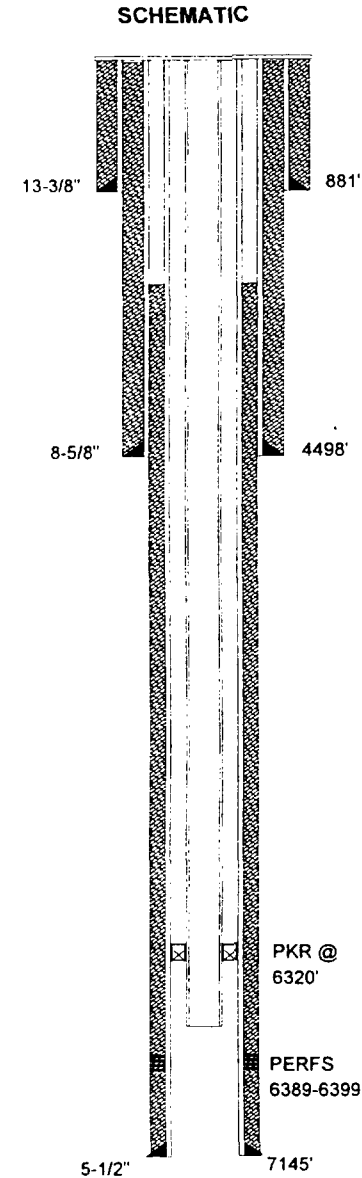
R-32-E

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE



WELL CONSTRUCTION DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES

CEMENTED WITH: 735 sx

TOC: Surface

FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMIDIATE CASING

SIZE: 8-5/8 INCHES

CEMENTED WITH: 2600 sx

TOC: Surface

FEET DETERMINED BY: Circulated

HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES

CEMENTED WITH: 940 sx

TOC: 4200

FEET DETERMINED BY: CALCULATED

HOLE SIZE: 7-7/8 INCHES

4. INJECTION INTERVAL 6389 FEET TO: 6399 FEET

(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

"PERFORATED"

5. TOTAL DEPTH: 7200 FEET

6. TUBING SIZE

SIZE: 2-7/8 INCHES

LINED WITH: IPC 505 - PLASTIC COATING

SET IN A: ARROW SET 1-XS, PKR

PACKER AT: 6320 FEET:

OTHER DATA

A. IS THIS A NEW WELL DRILLED FOR INJECTION? YES NO

IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED? PRODUCING OIL AND GAS WELL

B. NAME THE INJECTION FORMATION: 6400' SAND (BRUSHY CANYON)

C. NAME THE FIELD OR POOL (IF APPLICABLE) LUSK WEST (DELAWARE)

D. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NO

E. GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA:

1. YATES 2600'-2800'	WATKINS YATES N.E. LUSK YATES S. LUSK YATES	5. STRAWN 11000'-11200'	LUSK STRAWN OIL
2. DELAWARE 4600'-7100'	W. LUSK DELAWARE LUSK DELAWARE	6. ATOKA 11200'-11400'	LUSK ATOKA GAS
3. BONE SPRING 8200'-8950'	WATKINS BONE SPRING LUSK BONE SPRING S. LUSK BONE SPRING E. LUSK BONE SPRING	7. MORROW 11500'-12000'	LUSK MORROW GAS N.W. LUSK MORROW GAS N. LUSK MORROW GAS
4. WOLF CAMP 10100'-10700'	LUSK WOLFCAMP OIL E. LUSK WOLFCAMP OIL S. LUSK WOLFCAMP OIL		

PROPOSED INJECTION WELL DATA SHEET

OPERATOR: Parker & Parsley Development L.P.

LEASE: SOUTHERN CALIFORNIA FEDERAL

WELL NO12

1980' FEL & 660' FSL

SEC-29

T-19-S

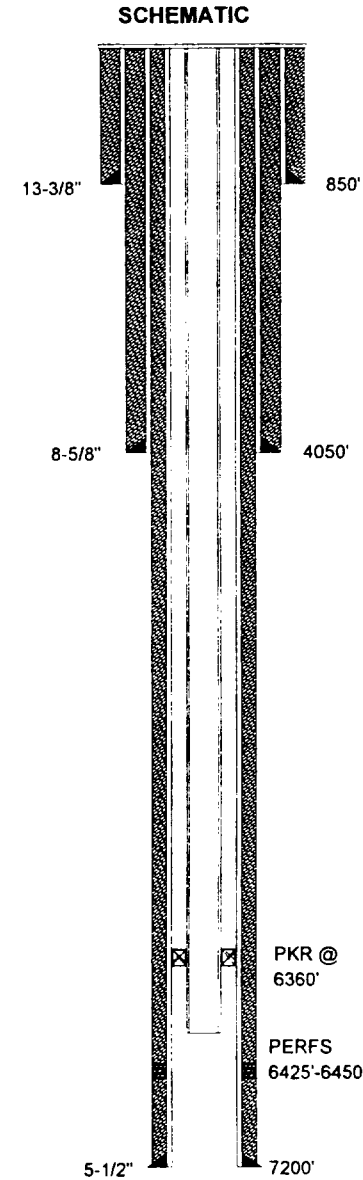
R-32-E

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE



WELL CONSTRUCTION DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHESCEMENTED WITH: 675 SX

TOC: SurfaceFEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHESCEMENTED WITH: 775 SX

TOC: SurfaceFEET DETERMINED BY: Circulated

HOLE SIZE: 11 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHESCEMENTED WITH: 1265 SX

TOC: SurfaceFEET DETERMINED BY: Circulated

HOLE SIZE: 7-7/8 INCHES

4. INJECTION INTERVAL 6425 FEET TO: 6450 FEET

(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

"PERFORATED"

5. TOTAL DEPTH: 7200 FEET

6. TUBING SIZE

SIZE: 2-7/8 INCHESLINED WITH: IPC 505 - PLASTIC COATING

SET IN A: ARROW SET 1-XS, PKRPACKER AT: 6360 FEET:

OTHER DATA

A. IS THIS A NEW WELL DRILLED FOR INJECTION? X YESNO

IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED?N/A

B. NAME THE INJECTION FORMATION: 6400' SAND (BRUSHY CANYON)

C. NAME THE FIELD OR POOL (IF APPLICABLE) LUSK WEST (DELAWARE)

D. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NO

E. GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA:

1. YATES 2600'-2800'	WATKINS YATES	5. STRAWN 11000'-11200'	LUSK STRAWN OIL
	N.E. LUSK YATES		
	S. LUSK YATES	6. ATOKA 11200'-11400'	LUSK ATOKA GAS
2. DELAWARE 4600'-7100'	W. LUSK DELAWARE	7. MORROW 11500'-12000'	LUSK MORROW GAS
	LUSK DELAWARE		N.W. LUSK MORROW GAS
			N. LUSK MORROW GAS
3. BONE SPRING 8200'-8950'	WATKINS BONE SPRING		
	LUSK BONE SPRING		
	S. LUSK BONE SPRING		
	E. LUSK BONE SPRING		
4. WOLF CAMP 10100'-10700'	LUSK WOLFCAMP OIL		
	E. LUSK WOLFCAMP OIL		
	S. LUSK WOLFCAMP OIL		

PROPOSED INJECTION WELL DATA SHEET

OPERATOR: Parker & Parsley Development L.P.

LEASE: SOUTHERN CALIFORNIA FEDERAL

WELL 4

1650' FSL & 990' FEL

SEC-29

T-19-S

R-32-E

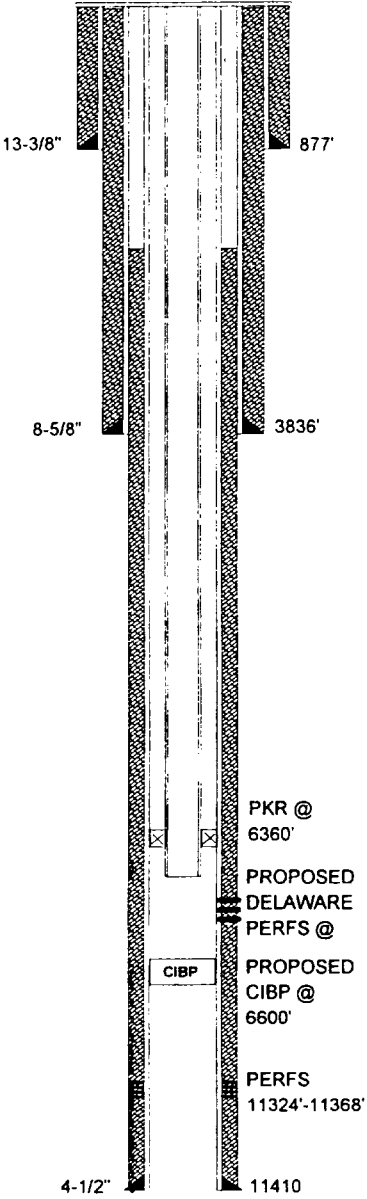
FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

SCHEMATIC



WELL CONSTRUCTION DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES

CEMENTED WITH: 775 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES

CEMENTED WITH: 2660 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 4-1/2 INCHES

CEMENTED WITH: 600 SX

TOC: 3400 FEET DETERMINED BY: SQZ HOLE @ 3400' W/35 SXS CMT

HOLE SIZE: 7-7/8 INCHES

4. INJECTION INTERVAL 6430 FEET TO: 6450 FEET

(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

"PERFORATED"

5. TOTAL DEPTH: 11449 FEET

6. TUBING SIZE

SIZE: 2-7/8 INCHES

LINED WITH: IPC 505 - PLASTIC COATING

SET IN A: ARROW SET 1-XS, PKR

PACKER AT: 6360 FEET:

OTHER DATA

A. IS THIS A NEW WELL DRILLED FOR INJECTION? YES NO

IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED? PRODUCING OIL AND GAS WELL

B. NAME THE INJECTION FORMATION: 6400' SAND (BRUSHY CANYON)

C. NAME THE FIELD OR POOL (IF APPLICABLE) LUSK WEST (DELAWARE)

D. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NO CURRENT OIL AND GAS PODUCTION FROM STRAWN PERFS

11324'-11368'. PLAN TO SET CIBP @ 6600' W/5SXS CMT ON TOP & PERF DELAWARE @ 6430'-50' CONVERT TO WIW WELL.

E. GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA:

1. YATES 2600'-2800'

WATKINS YATES

N.E. LUSK YATES

S. LUSK YATES
2. DELAWARE 4600'-7100'

W. LUSK DELAWARE

LUSK DELAWARE
3. BONE SPRING 8200'-8950'

WATKINS BONE SPRING

LUSK BONE SPRING

S. LUSK BONE SPRING

E. LUSK BONE SPRING
4. WOLF CAMP 10100'-1070

LUSK WOLFCAMP OIL

E. LUSK WOLFCAMP OIL

S. LUSK WOLFCAMP OIL
5. STRAWN 11000'-112

LUSK STRAWN OIL
6. ATOKA 11200'-1140

LUSK ATOKA GAS
7. MORROW 11500'-12

LUSK MORROW GAS

N.W. LUSK MORROW GAS

N. LUSK MORROW GAS

PROPOSED INJECTION WELL DATA SHEET

OPERATOR: Parker & Parsley Development L.P.

LEASE: SOUTHERN CALIFORNIA FEDERAL

WELL NO10

1980' FNL & 1980' FEL

SEC-29

T-19-S

R-32-E

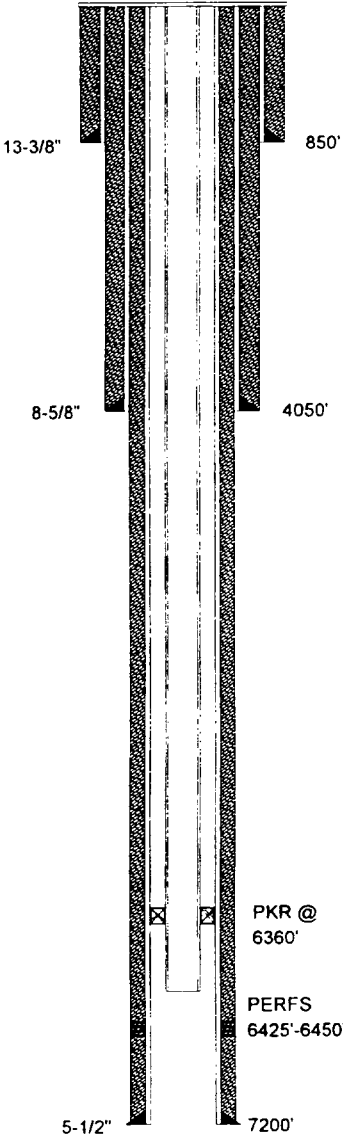
FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

SCHEMATIC



WELL CONSTRUCTION DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES

CEMENTED WITH: 675 sx

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES

CEMENTED WITH: 775 sx

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 11 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES

CEMENTED WITH: 1265 sx

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 7-7/8 INCHES

4. INJECTION INTERVAL 6425 FEET TO: 6450 FEET

(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

"PERFORATED"

5. TOTAL DEPTH: 7200 FEET

6. TUBING SIZE

SIZE: 2-7/8 INCHES

LINED WITH: IPC 505 - PLASTIC COATING

SET IN A: ARROW SET 1-XS, PKR

PACKER AT: 6360 FEET:

OTHER DATA

A. IS THIS A NEW WELL DRILLED FOR INJECTION? X YES NO

IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED? N/A

B. NAME THE INJECTION FORMATION: 6400' SAND (BRUSHY CANYON)

C. NAME THE FIELD OR POOL (IF APPLICABLE) LUSK WEST (DELAWARE)

D. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NO

E. GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA:

1. YATES 2600'-2800'	WATKINS YATES	5. STRAWN 11000'-11200'	LUSK STRAWN OIL
	N.E. LUSK YATES		
	S. LUSK YATES	6. ATOKA 11200'-11400'	LUSK ATOKA GAS
2. DELAWARE 4600'-7100'	W. LUSK DELAWARE	7. MORROW 11500'-12000'	LUSK MORROW GAS
	LUSK DELAWARE		N.W. LUSK MORROW GAS
			N. LUSK MORROW GAS
3. BONE SPRING 8200'-8950'	WATKINS BONE SPRING		
	LUSK BONE SPRING		
	S. LUSK BONE SPRING		
	E. LUSK BONE SPRING		
4. WOLF CAMP 10100'-10700'	LUSK WOLFCAMP OIL		
	E. LUSK WOLFCAMP OIL		
	S. LUSK WOLFCAMP OIL		

WELL DATA SHEET

**Parker & Parsley
Development L.P.**

SOUTHERN CALIFORNIA FEDERAL

OPERATOR

LEASE

2 990' FNL & 990' FWL
WELL NO. FOOTAGE LOCATION

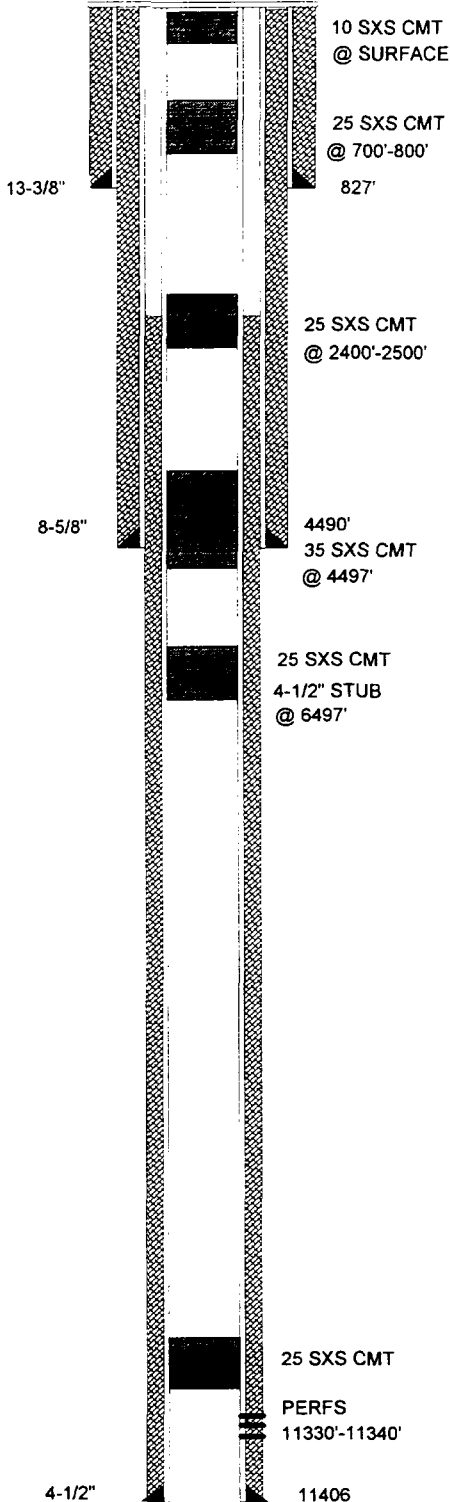
SEC-29
SECTION

T-19-S R-32-E
TOWNSHIP RANGE

TYPE OF WELL: **PLUGGED & ABANDONED**

SPUD DATE: 3/15/63

SCHEMATIC



TABULAR DATA

1. SURFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 900 SX
TOC: Surface FEET DETERMINED BY: Circulated
HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 2500 SX
TOC: Surface FEET DETERMINED BY: Circulated
HOLE SIZE: 11 INCHES

3. LONG STRING

SIZE: 4-1/2 INCHES CEMENTED WITH: 300 SX
TOC: 10100 FEET DETERMINED BY: Temp. Survey
HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 11406 FEET

5. PERFORATIONS

11330 FEET TO: 11340 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?
LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NONE

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

Parker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

TEXACO INC.

NEW MEXICO "CR" STATE

OPERATOR

LEASE

4 330' FNL & 1662' FWL
WELL NO. FOOTAGE LOCATION

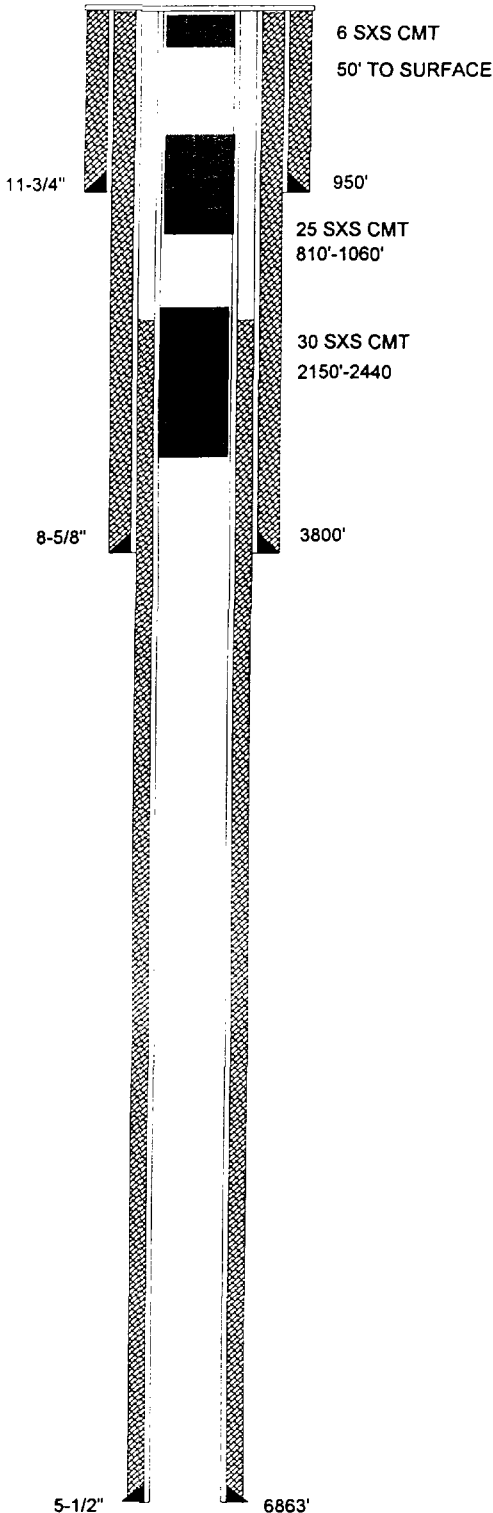
SEC-32 T-19-S R-32-E
SECTION TOWNSHIP RANGE

TYPE OF WELL: DRY HOLE

SPUD DATE: 11/16/87

SCHEMATIC

TABULAR DATA



1. SURFACE CASING

SIZE: 11-3/4 INCHES CEMENTED WITH: 1000 SX
TOC: Surface FEET DETERMINED BY: Circulated
HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 2200 SX
TOC: Surface FEET DETERMINED BY: Circulated
HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 1600 SX
TOC: Surface FEET DETERMINED BY: Circulated
HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 6863 FEET

5. PERFORATIONS

6442 FEET TO: 6446 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?
LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NONE

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

Parker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

KINCAID & WATSON DRILLING CO.

SA BOWMAN FEDERAL

OPERATOR

LEASE

1

330' FSL & 2310' FWL

SEC-29

T-19-S

R-32-E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

TYPE OF WELL:

PLUGGED & ABANDONED

SPUD DATE:

8/15/57

SCHEMATIC

TABULAR DATA

1. SUFACE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 500 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 11 INCHES

2. INTERMEDIATE CASING

SIZE: N/A INCHES CEMENTED WITH: N/A SX

TOC: N/A FEET DETERMINED BY: N/A

HOLE SIZE: N/A INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 600 SX

TOC: 250 FEET DETERMINED BY: Temp. Survey

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 2770 FEET

5. PERFORATIONS

2493 FEET TO: 2567 FEET

(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?

LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED.

NONE

10 SXS CMT
@ SURFACE

8-5/8"

880'

CMT PLUG
@ 2500'-2690'

5-1/2"

2720'

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

Parker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

TEXACO INC

BOWMAN

OPERATOR

LEASE

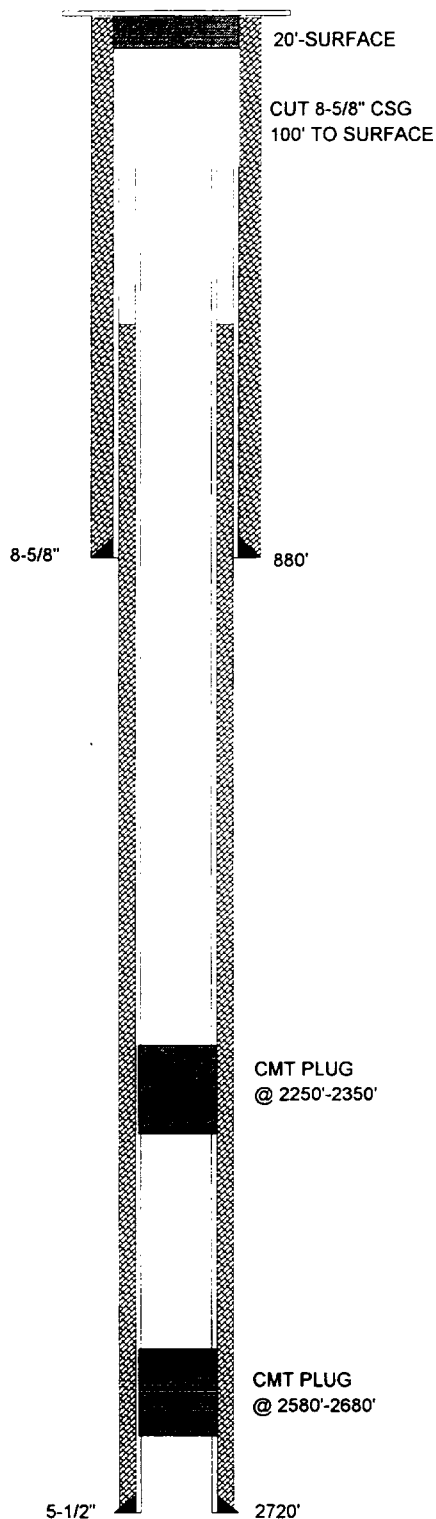
1	2310' FNL & 2310' FWL	SEC-29	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: **PLUGGED & ABANDONED**

SPUD DATE: **10/10/67**

SCHEMATIC

TABULAR DATA



1. SURFACE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 500 SX
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 11 INCHES

2. INTERMEDIATE CASING

SIZE: N/A INCHES CEMENTED WITH: N/A SX
 TOC: N/A FEET DETERMINED BY: N/A
 HOLE SIZE: N/A INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 700 SX
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 2770 FEET

5. PERFORATIONS

2628 FEET TO: 2648 FEET
 (PERFORATED OR OPEN HOLE ; INDICATE WHICH)
PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?
LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED.

N/A

CMT PLUG
 @ 2250'-2350'

CMT PLUG
 @ 2580'-2680'

FORM C-108
 SECTION VI

APPLICATION FOR AUTHORIZATION
 TO INJECT

Parker & Parsley
 Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

**Parker & Parsley
Development L.P.**

SOUTHERN CALIFORNIA FEDERAL

OPERATOR

LEASE

3
WELL NO.

1980' FSL & 1980' FWL
FOOTAGE LOCATION

SEC-29
SECTION

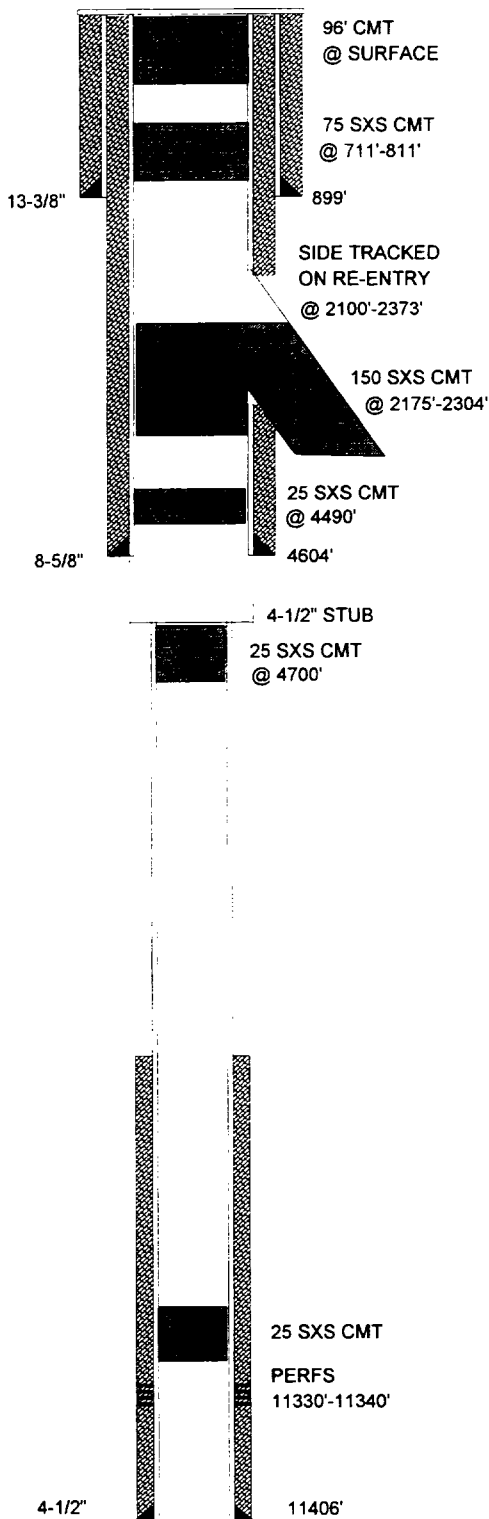
T-19-S
TOWNSHIP

R-32-E
RANGE

TYPE OF WELL: PLUGGED & ABANDONED

SPUD DATE: 10/24/63

SCHEMATIC



TABULAR DATA

1. SURFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 600 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 1700 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 11 INCHES

3. LONG STRING

SIZE: 4-1/2 INCHES CEMENTED WITH: 300 SX

TOC: 10100 FEET DETERMINED BY: Temp. Survey

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 11406 FEET

5. PERFORATIONS

11330 FEET TO: 11340 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?
LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NONE

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

Parker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

**Parker & Parsley
Development L.P.**

SOUTHERN CALIFORNIA FEDERAL

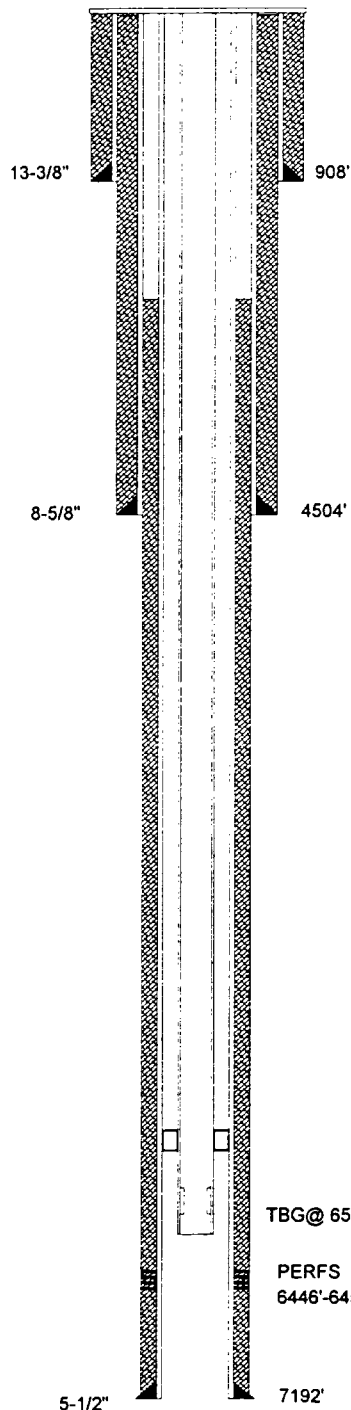
OPERATOR

LEASE

8	990' FNL & 1900' FEL	SEC-29	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PRODUCING OIL AND GAS WELL SPUD DATE: 4/16/88

SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 722 SX
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 2700 SX
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 800 SX
 TOC: 2280 FEET DETERMINED BY: Cmt Bond Log
 HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 7200 FEET

5. PERFORATIONS

6446 FEET TO: 6452 FEET
 (PERFORATED OR OPEN HOLE ; INDICATE WHICH)
 "PERFORATED"

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

**Parker & Parsley
Development L.P.**

SOUTHERN CALIFORNIA FEDERAL

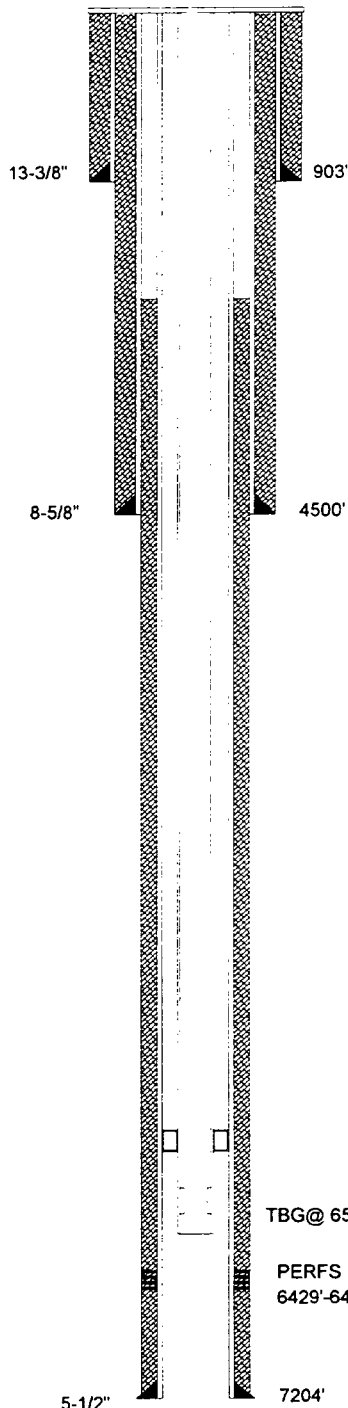
OPERATOR

LEASE

7	2210' FNL & 2260' FWL	SEC-29	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PRODUCING OIL AND GAS WELL SPUD DATE: 3/24/88

SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 735 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 2450 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 600 SX

TOC: 4000 FEET DETERMINED BY: Cmt Bond Log

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 7204 FEET

5. PERFORATIONS

6429 FEET TO: 6442 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

**Parker & Parsley
Development L.P.**

SOUTHERN CALIFORNIA FEDERAL

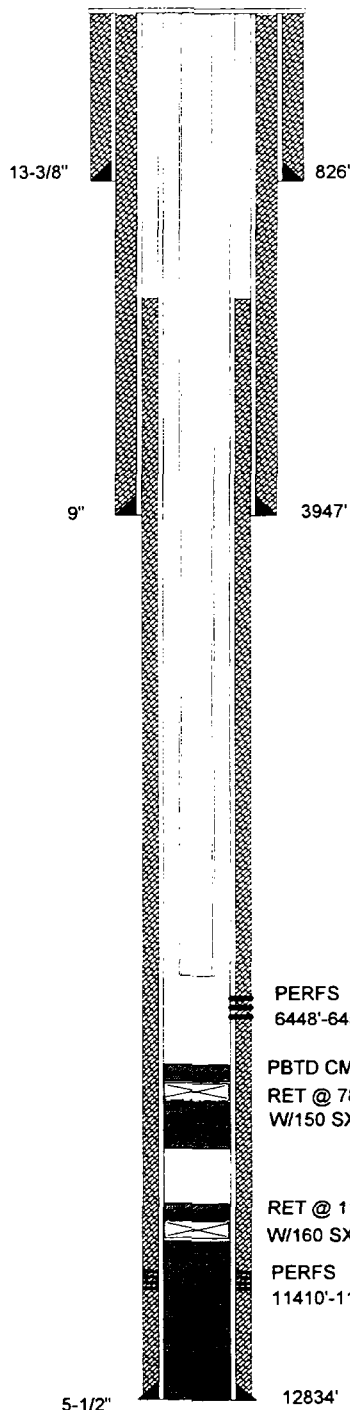
OPERATOR

LEASE

1	1980' FNL & 660' FEL	SEC-29	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PRODUCING OIL AND GAS WELL SPUD DATE: 3/23/62

SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 950 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 9 INCHES CEMENTED WITH: 2725 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 2140 SX

TOC: 2450 FEET DETERMINED BY: est. top of cmt sqz.

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 12834 FEET

5. PERFORATIONS

6448 FEET TO: 6458 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

**Parker & Parsley
Development L.P.**

SOUTHERN CALIFORNIA FEDERAL

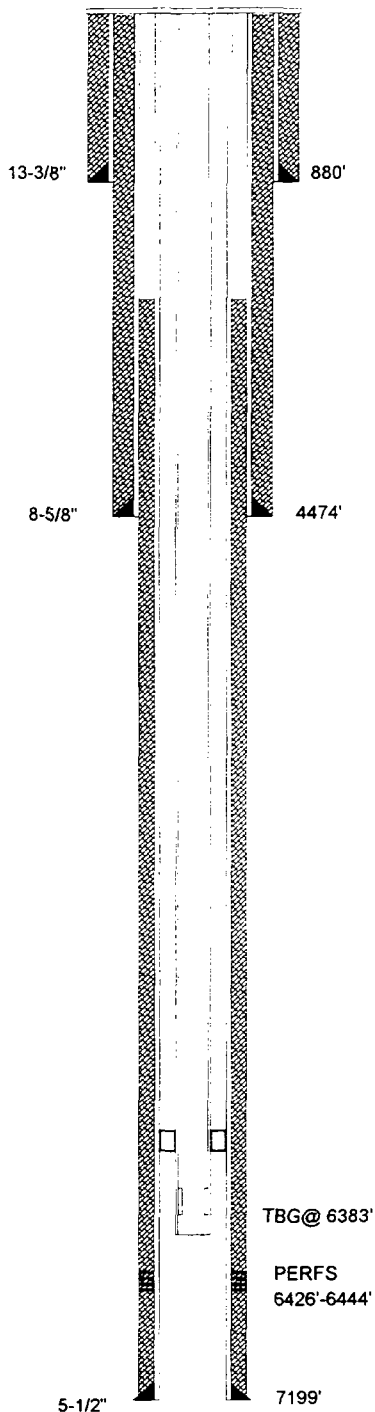
OPERATOR

LEASE

5	1980' FSL & 1980' FEL	SEC-29	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PRODUCING OIL AND GAS WELL SPUD DATE: 12/5/87

SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 735 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 2350 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 800 SX

TOC: 4210 FEET DETERMINED BY: Cmt Bond Log

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 7200 FEET

5. PERFORATIONS

6426 FEET TO: 6444 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

**Parker & Parsley
Development L.P.**

SOUTHERN CALIFORNIA FEDERAL

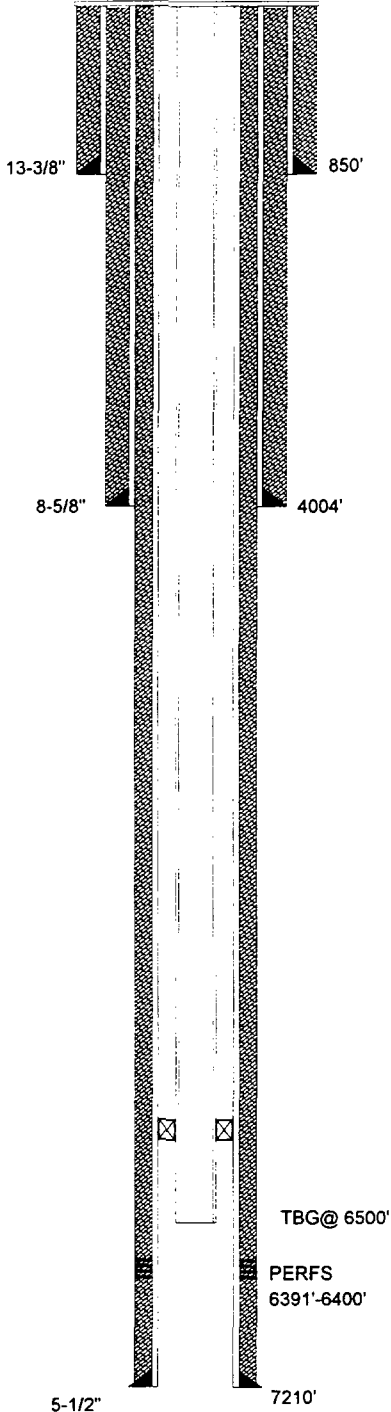
OPERATOR

LEASE

9	660' FWL & 1980' FSL	SEC-29	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PRODUCING OIL AND GAS WELL SPUD DATE: 7/21/96

SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 675 sx

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 1325 sx

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 11 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 1265 sx

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 7210 FEET

5. PERFORATIONS

6391 FEET TO: 6400 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

TEXACO INC

SA BOWMAN FEDERAL

OPERATOR

LEASE

4	990' FSL & 1659' FEL	SEC-29	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PLUGGED & ABANDONED **SPUD DATE:** 12/8/87

SCHEMATIC

TABULAR DATA

1. SURFACE CASING

SIZE: 11-3/4 INCHES CEMENTED WITH: 1000 sx

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 14-3/4 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 1800 sx

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 11 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 1750 sx

TOC: Surface FEET DETERMINED BY: Circulated

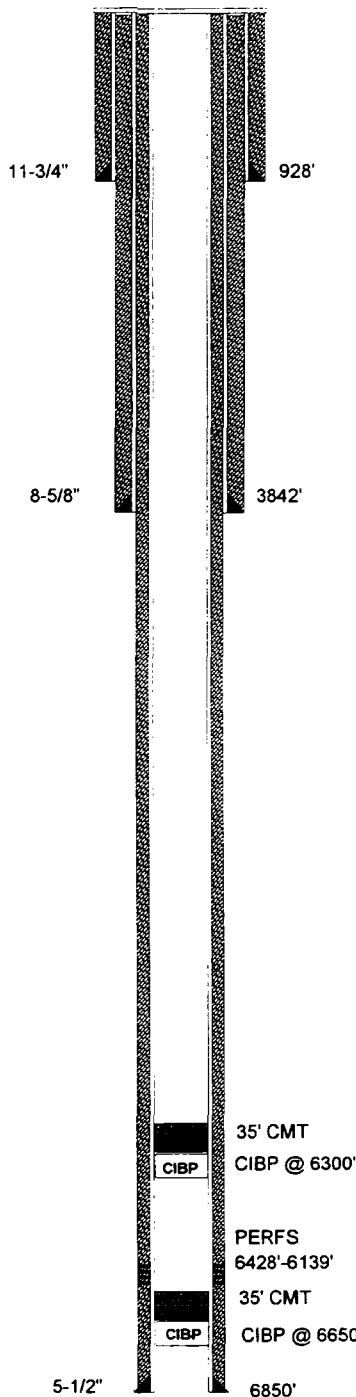
HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 6850 FEET

5. PERFORATIONS

6428 FEET TO: 6139 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?
LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NONE



**FORM C-108
SECTION VI**

**APPLICATION FOR AUTHORIZATION
TO INJECT**

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

The map is a 6x4 grid representing the United States. Each cell contains a number and various symbols. A central box highlights the area around the Great Lakes and Ohio, with a circle around the Ohio location. Text labels include 'FEDERAL USA J', 'SHELL FEDERAL USA J', 'SA BOVHAN', 'SO CALIF FEDERAL', 'NEW MEXICO OR STATE', and 'NEW MEXICO OR STATE'.

Cell Number	Location Number	Symbol(s)	Notes
1	1	Dot	
2	2	Dot	
3	3	Dot	
4	4	Dot	
5	5	Dot	
6	6	Dot	
7	7	Dot	
8	8	Dot	
9	9	Dot	
10	10	Dot	
11	11	Dot	
12	12	Dot	
13	13	Dot	
14	14	Dot	
15	15	Dot	
16	16	Dot	
17	17	Dot	
18	18	Dot	
19	19	Dot	
20	20	Dot	
21	21	Dot	
22	22	Dot	
23	23	Dot	
24	24	Dot	
25	25	Dot	
26	26	Dot	
27	27	Dot	
28	28	Dot	
29	29	Dot	
30	30	Dot	
31	31	Dot	
32	32	Dot	
33	33	Dot	
34	34	Dot	

PROPOSED INJECTION WELL DATA SHEET

OPERATOR: Parker & Parsley Development L.P.

LEASE: SOUTHERN CALIFORNIA FEDERAL

WELL NO6

990' FSL & 660' FWL

SEC-29

T-19-S

R-32-E

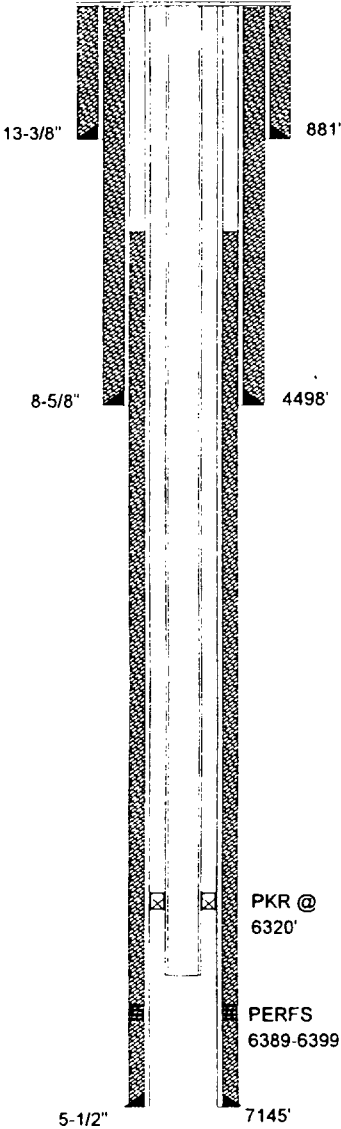
FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

SCHEMATIC



WELL CONSTRUCTION DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES

CEMENTED WITH: 735 sx

TOC: Surface

FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES

CEMENTED WITH: 2600 sx

TOC: Surface

FEET DETERMINED BY: Circulated

HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES

CEMENTED WITH: 940 sx

TOC: 4200

FEET DETERMINED BY: CALCULATED

HOLE SIZE: 7-7/8 INCHES

4. INJECTION INTERVAL 6389 FEET TO: 6399 FEET

(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

"PERFORATED"

5. TOTAL DEPTH: 7200 FEET

6. TUBING SIZE

SIZE: 2-7/8 INCHES

LINED WITH: IPC 505 - PLASTIC COATING

SET IN A: ARROW SET 1-XS, PKR

PACKER AT: 6320 FEET:

OTHER DATA

A. IS THIS A NEW WELL DRILLED FOR INJECTION? YES NO

IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED? PRODUCING OIL AND GAS WELL

B. NAME THE INJECTION FORMATION: 6400' SAND (BRUSHY CANYON)

C. NAME THE FIELD OR POOL (IF APPLICABLE) LUSK WEST (DELAWARE)

D. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED NO

E. GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA:

1. YATES 2600'-2800'	WATKINS YATES	5. STRAWN 11000'-11200'	LUSK STRAWN OIL
	N.E. LUSK YATES		
	S. LUSK YATES	6. ATOKA 11200'-11400'	LUSK ATOKA GAS
2. DELAWARE 4600'-7100'	W. LUSK DELAWARE	7. MORROW 11500'-12000'	LUSK MORROW GAS
	LUSK DELAWARE		N.W. LUSK MORROW GAS
			N. LUSK MORROW GAS
3. BONE SPRING 8200'-8950'	WATKINS BONE SPRING		
	LUSK BONE SPRING		
	S. LUSK BONE SPRING		
	E. LUSK BONE SPRING		
4. WOLF CAMP 10100'-10700'	LUSK WOLFCAMP OIL		
	E. LUSK WOLFCAMP OIL		
	S. LUSK WOLFCAMP OIL		

PROPOSED INJECTION WELL DATA SHEET

OPERATOR:

Parker & Parsley
Development L.P.

LEASE:

SOUTHERN CALIFORNIA FEDERAL

WELL NO

12

FOOTAGE LOCATION

1980' FEL & 660' FSL

SECTION

SEC-29

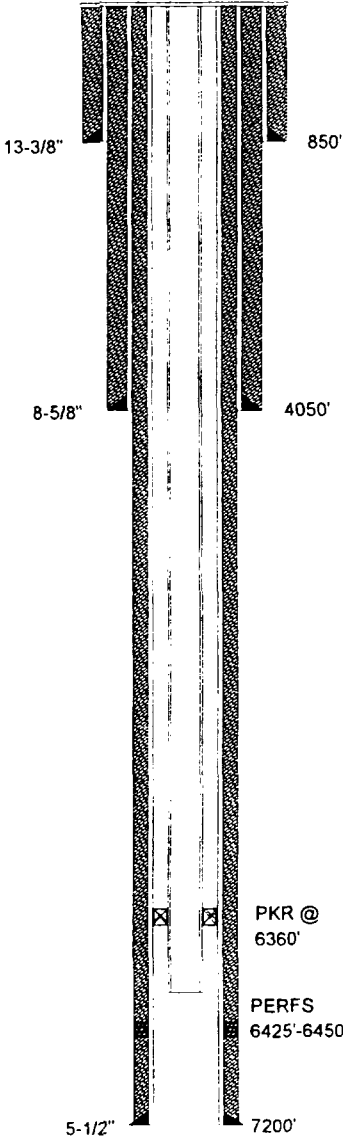
TOWNSHIP

T-19-S

RANGE

R-32-E

SCHEMATIC



WELL CONSTRUCTION DATA

1. SURFACE CASING

SIZE:

13-3/8

INCHES

CEMENTED WITH:

675

SX

TOC:

Surface

FEET DETERMINED BY:

Circulated

HOLE SIZE:

17-1/2

INCHES

2. INTERMEDIATE CASING

SIZE:

8-5/8

INCHES

CEMENTED WITH:

775

SX

TOC:

Surface

FEET DETERMINED BY:

Circulated

HOLE SIZE:

11

INCHES

3. LONG STRING

SIZE:

5-1/2

INCHES

CEMENTED WITH:

1265

SX

TOC:

Surface

FEET DETERMINED BY:

Circulated

HOLE SIZE:

7-7/8

INCHES

4. INJECTION INTERVAL

6425

FEET TO:

6450

FEET

(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

"PERFORATED"

5. TOTAL DEPTH:

7200

FEET6. TUBING SIZE

SIZE:

2-7/8

INCHES

LINED WITH:

IPC 505 - PLASTIC COATING

SET IN A:

ARROW SET 1-XS, PKR

PACKER AT:

6360

FEET:

OTHER DATA

A. IS THIS A NEW WELL DRILLED FOR INJECTION?

X

YESNO

IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED?

N/A

B. NAME THE INJECTION FORMATION:

6400' SAND (BRUSHY CANYON)

C. NAME THE FIELD OR POOL (IF APPLICABLE)

LUSK WEST (DELAWARE)

D. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED.

NO

E. GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA.

1. YATES 2600'-2800'	WATKINS YATES N.E. LUSK YATES S. LUSK YATES	5. STRAWN 11000'-11200'	LUSK STRAWN OIL
2. DELAWARE 4600'-7100'	W. LUSK DELAWARE LUSK DELAWARE	6. ATOKA 11200'-11400'	LUSK ATOKA GAS
3. BONE SPRING 8200'-8950'	WATKINS BONE SPRING LUSK BONE SPRING S. LUSK BONE SPRING E. LUSK BONE SPRING	7. MORROW 11500'-12000'	LUSK MORROW GAS N.W. LUSK MORROW GAS N. LUSK MORROW GAS
4. WOLF CAMP 10100'-10700'	LUSK WOLFCAMP OIL E. LUSK WOLFCAMP OIL S. LUSK WOLFCAMP OIL		

PROPOSED INJECTION WELL DATA SHEET

OPERATOR: Parker & Parsley Development L.P.

LEASE: S. A. BOWMAN FEDERAL

WELL NO5

2310' FSL & 2160' FWL

SEC-29

T-19-S

R-32-E

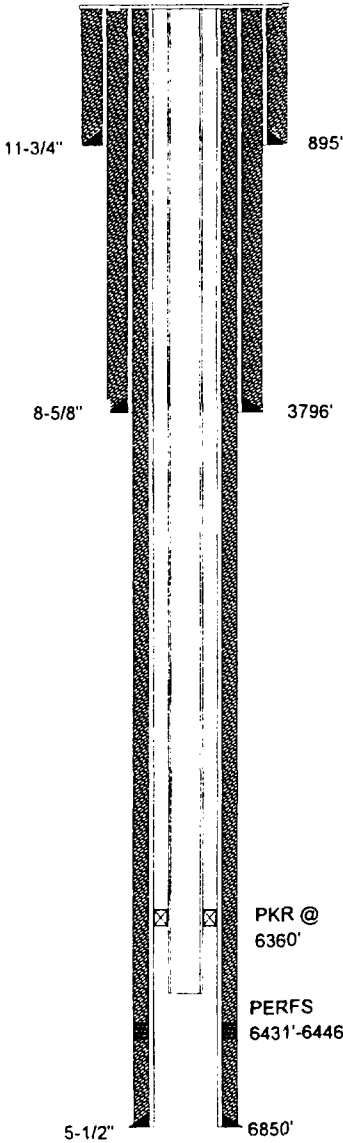
FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

SCHEMATIC



WELL CONSTRUCTION DATA

1. SUFACE CASING

SIZE: 11-3/4 INCHES

CEMENTED WITH: 1000 sx

TOC: Surface

FEET DETERMINED BY: Circulated

HOLE SIZE: 14-3/4 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES

CEMENTED WITH: 1400 sx

TOC: Surface

FEET DETERMINED BY: Circulated

HOLE SIZE: 11 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES

CEMENTED WITH: 1610 sx

TOC: Surface

FEET DETERMINED BY: Circulated

HOLE SIZE: 7-7/8 INCHES

4. INJECTION INTERVAL 6431 FEET TO: 6446 FEET

(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

"PERFORATED"

5. TOTAL DEPTH: 6850 FEET

6. TUBING SIZE

SIZE: 2-7/8 INCHES

LINED WITH: IPC 505 - PLASTIC COATING

SET IN A: ARROW SET 1-XS, PKR

PACKER AT: 6360 FEET:

OTHER DATA

A. IS THIS A NEW WELL DRILLED FOR INJECTION? YES NO

IF NO, FOR WHAT PURPOSE WAS THE WELL ORIGINALLY DRILLED? PRODUCING OIL AND GAS WELL

B. NAME THE INJECTION FORMATION: 6400' SAND (BRUSHY CANYON)

C. NAME THE FIELD OR POOL (IF APPLICABLE) LUSK WEST (DELAWARE)

D. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NONE

E. GIVE THE NAME(S) AND DEPTH(S) OF ANY OVER OR UNDERLYING OIL OR GAS ZONES IN THIS AREA:

1. YATES 2600'-2800'	WATKINS YATES N.E. LUSK YATES S. LUSK YATES	5. STRAWN 11000'-11200'	LUSK STRAWN OIL
2. DELAWARE 4600'-7100'	W. LUSK DELAWARE LUSK DELAWARE	6. ATOKA 11200'-11400'	LUSK ATOKA GAS
3. BONE SPRING 8200'-8950'	WATKINS BONE SPRING LUSK BONE SPRING S. LUSK BONE SPRING E. LUSK BONE SPRING	7. MORROW 11500'-12000'	LUSK MORROW GAS N.W. LUSK MORROW GAS N. LUSK MORROW GAS
4. WOLF CAMP 10100'-10700'	LUSK WOLFCAMP OIL E. LUSK WOLFCAMP OIL S. LUSK WOLFCAMP OIL		

WELL DATA SHEET

TEXACO INC.

NEW MEXICO "CR" STATE

OPERATOR

LEASE

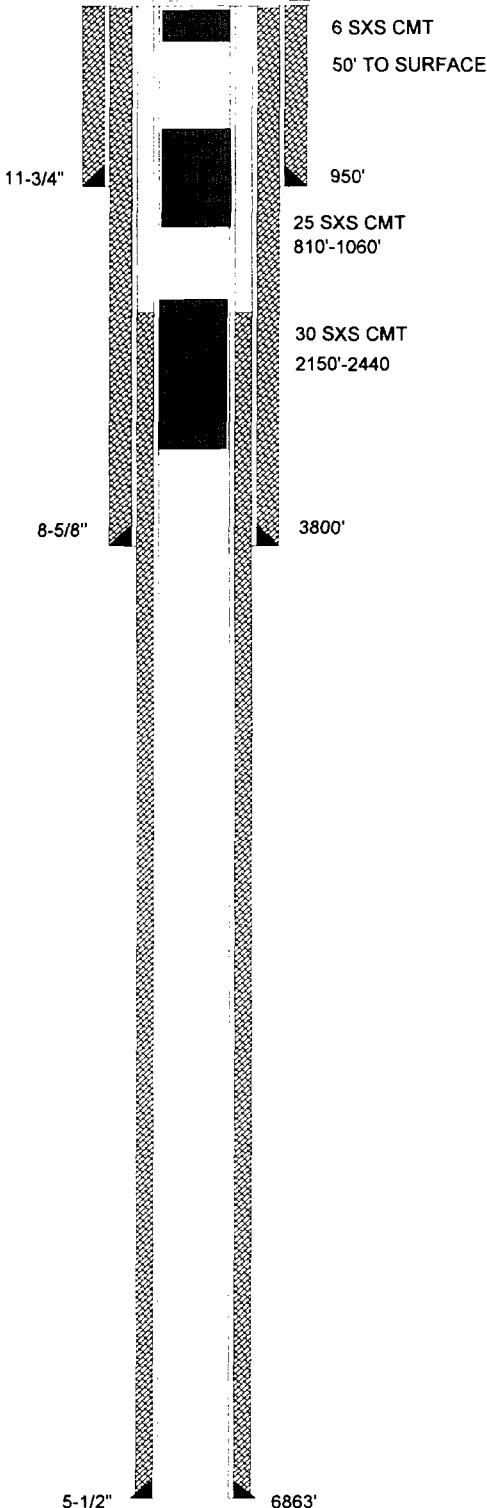
4	330' FNL & 1662' FWL	SEC-32	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: DRY HOLE

SPUD DATE: 11/16/87

SCHEMATIC

TABULAR DATA



1. SURFACE CASING

SIZE: 11-3/4 INCHES CEMENTED WITH: 1000 **SX**

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 2200 **SX**

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 1600 **SX**

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 6863 FEET

5. PERFORATIONS

6442 FEET TO: 6446 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?

LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED.

NONE

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

Parker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

PAUL E. HASKINS

SHELL FEDERAL

OPERATOR

LEASE

1

1980' FSL & 600' FEL

SEC-30

T-19-S

R-32-E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

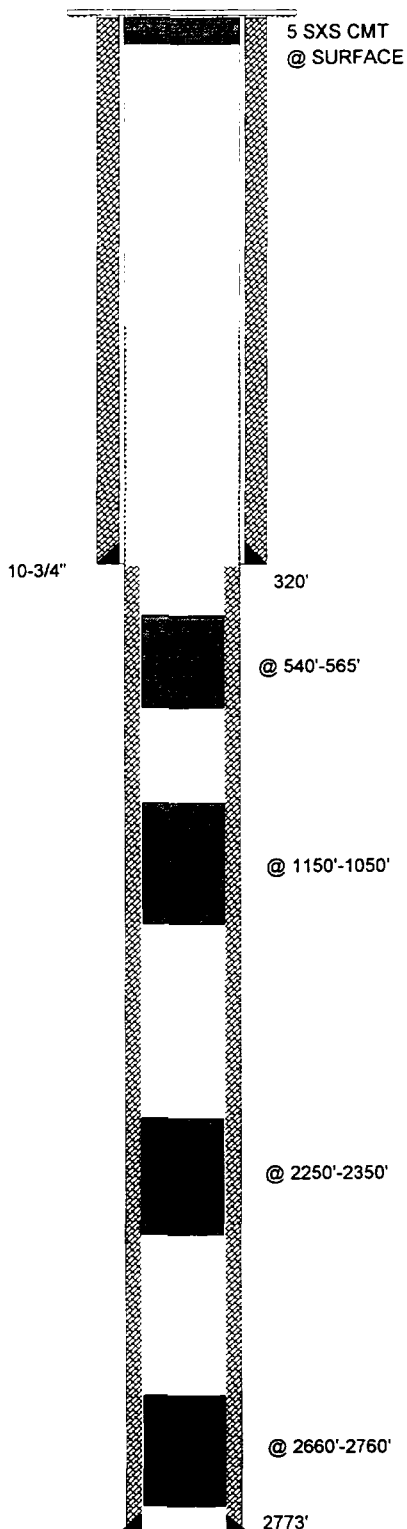
TYPE OF WELL:

DRY HOLE

SPUD DATE:

2/25/71

SCHEMATIC



TABULAR DATA

1. SURFACE CASING

SIZE: 10-3/4 INCHES CEMENTED WITH: 50 sx

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: N/A INCHES CEMENTED WITH: N/A sx

TOC: N/A FEET DETERMINED BY: N/A

HOLE SIZE: N/A INCHES

3. LONG STRING

SIZE: 8-5/8 INCHES CEMENTED WITH: N/A sx

TOC: N/A FEET DETERMINED BY: N/A

HOLE SIZE: 11 INCHES

4. TOTAL DEPTH: 3508 FEET

5. PERFORATIONS

N/A FEET TO: N/A FEET

(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?

LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED.

N/A

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

Parker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

TEXACO INC

SA BOWMAN FEDERAL

OPERATOR

LEASE

4
WELL NO.

990' FSL & 1659' FEL
FOOTAGE LOCATION

SEC-29
SECTION

T-19-S
TOWNSHIP

R-32-E
RANGE

TYPE OF WELL: **PLUGGED & ABANDONED**

SPUD DATE: **12/8/87**

SCHEMATIC

TABULAR DATA

1. SURFACE CASING

SIZE: 11-3/4 INCHES CEMENTED WITH: 1000 sx

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 14-3/4 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 1800 sx

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 11 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 1750 sx

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 7-7/8 INCHES

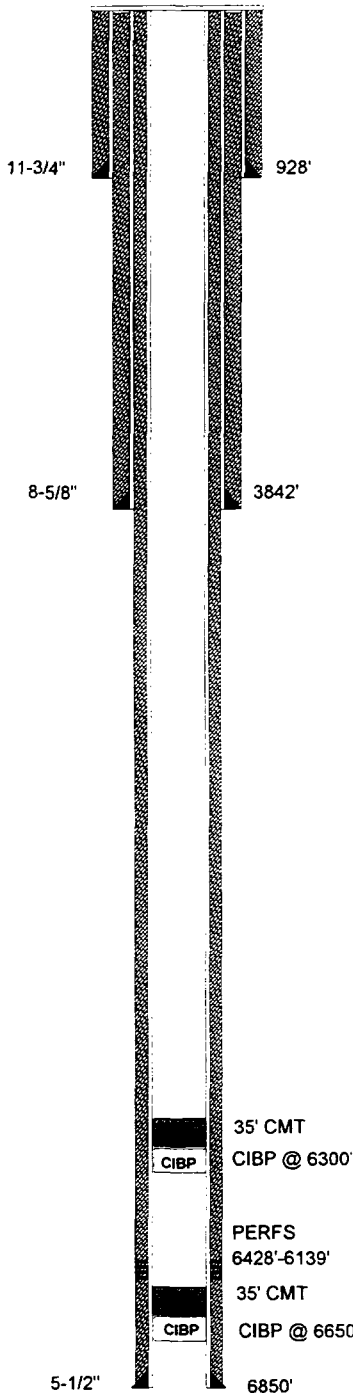
4. TOTAL DEPTH: 6850 FEET

5. PERFORATIONS

6428 FEET TO: 6139 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?
LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NONE



FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

Parker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

TEXACO INC.

FEDERAL USA "J"

OPERATOR

LEASE

1

990' FSL & 660' FEL

SEC-30

T-19-S

R-32-E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

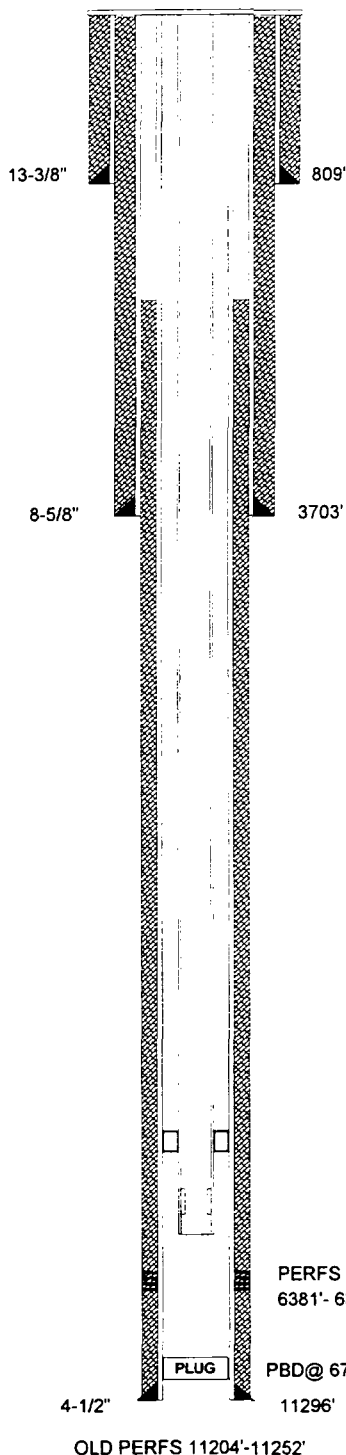
TYPE OF WELL:

PRODUCING OIL AND GAS WELL

SPUD DATE:

8/17/87

SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 300 **SX**

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 1810 **SX**

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 4-1/2 INCHES CEMENTED WITH: 600 **SX**

TOC: 2780 FEET DETERMINED BY: Calculated

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 11300 FEET

5. PERFORATIONS

6381 FEET TO: 6386 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

TEXACO INC.

FEDERAL USA "I"

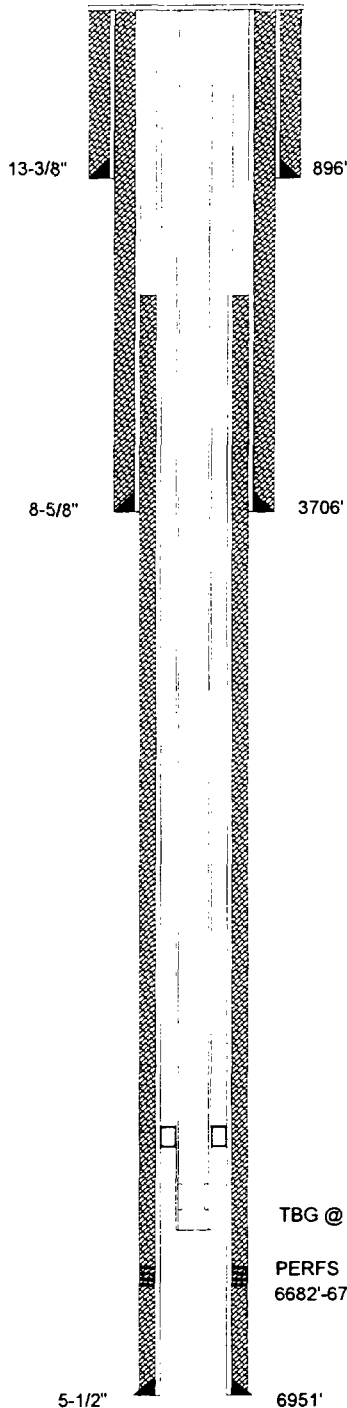
OPERATOR

LEASE

1	660' FNL & 660' FEL	SEC-31	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PRODUCING OIL AND GAS WELL SPUD DATE: 4/26/64

SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 350 sx
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 400 sx
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 1600 sx
 TOC: 2780 FEET DETERMINED BY: Calculated
 HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 6981 FEET

5. PERFORATIONS

6682 FEET TO: 6727 FEET
 (PERFORATED OR OPEN HOLE ; INDICATE WHICH)
 "PERFORATED"

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

Parker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

TEXACO INC.

FEDERAL USA "J"

OPERATOR

LEASE

2

660' FSL & 385' FEL

SEC-30

T-19-S

R-32-E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

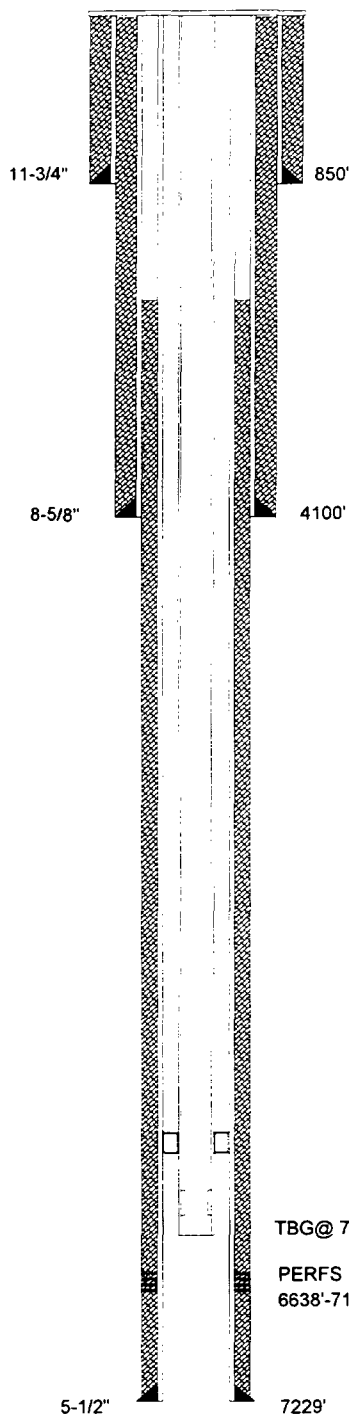
TYPE OF WELL:

PRODUCING OIL AND GAS WELL

SPUD DATE:

7/3/93

SCHEMATIC



TABULAR DATA

1. SURFACE CASING

SIZE: 11-3/4 INCHES CEMENTED WITH: 560 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 2655 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 900 SX

TOC: 3420 FEET DETERMINED BY: Calculated

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 7229 FEET

5. PERFORATIONS

6638 FEET TO: 7102 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

Parker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

TEXACO INC.

FEDERAL USA "J"

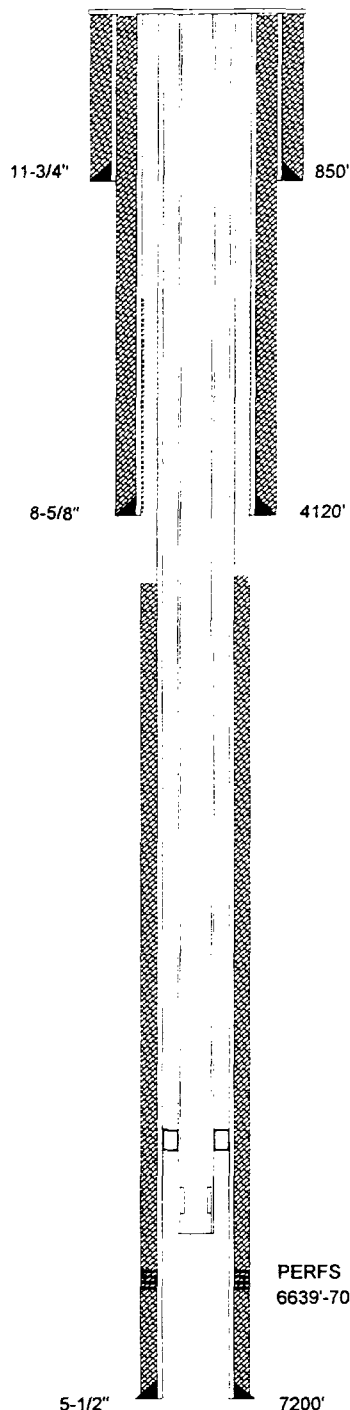
OPERATOR

LEASE

3	1980' FSL & 330' FEL	SEC-30	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PRODUCING OIL AND GAS WELL SPUD DATE: 6/26/94

SCHEMATIC



TABULAR DATA

1. SURFACE CASING

SIZE: 11-3/4 INCHES CEMENTED WITH: 650 **SX**

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 2075 **SX**

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 450 **SX**

TOC: 5310 FEET DETERMINED BY: Temp. Survey

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 7200 FEET

5. PERFORATIONS

6639 FEET TO: 7088 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

KINCAID & WATSON DRILLING CO.

SA BOWMAN FEDERAL

OPERATOR

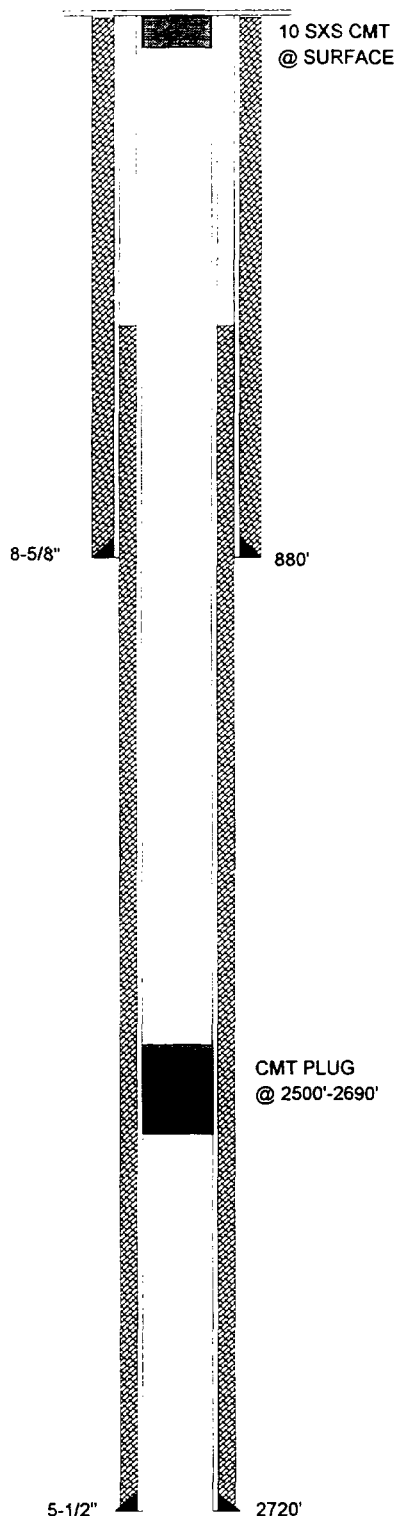
LEASE

1	330' FSL & 2310' FWL	SEC-29	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PLUGGED & ABANDONED

SPUD DATE: 8/15/57

SCHEMATIC



TABULAR DATA

1. SURFACE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 500 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 11 INCHES

2. INTERMEDIATE CASING

SIZE: N/A INCHES CEMENTED WITH: N/A SX

TOC: N/A FEET DETERMINED BY: N/A

HOLE SIZE: N/A INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 600 SX

TOC: 250 FEET DETERMINED BY: Temp. Survey

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 2770 FEET

5. PERFORATIONS

2493 FEET TO: 2567 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?
LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED.

NONE

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

Parker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

TEXACO INC

BOWMAN

OPERATOR

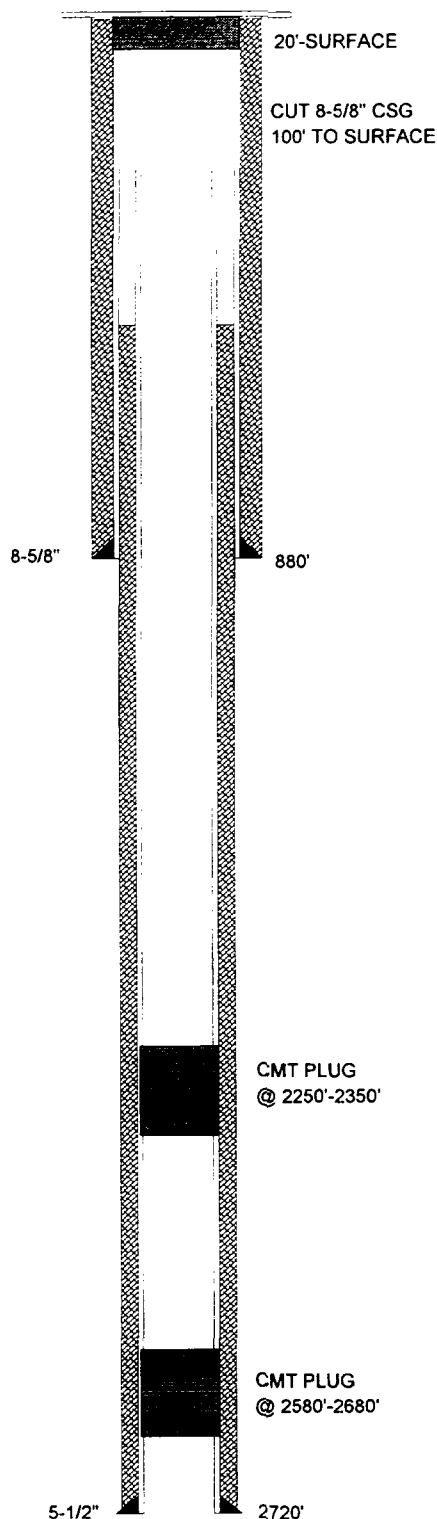
LEASE

1	2310' FNL & 2310' FWL	SEC-29	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PLUGGED & ABANDONED SPUD DATE: 10/10/67

SCHEMATIC

TABULAR DATA



1. SURFACE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 500 **SX**

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 11 INCHES

2. INTERMEDIATE CASING

SIZE: N/A INCHES CEMENTED WITH: N/A **SX**

TOC: N/A FEET DETERMINED BY: N/A

HOLE SIZE: N/A INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 700 **SX**

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 2770 FEET

5. PERFORATIONS

2628 FEET TO: 2648 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?
LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. N/A

CMT PLUG
@ 2250'-2350'

CMT PLUG
@ 2580'-2680'

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

Parker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

Parker & Parsley
Development L.P.

SOUTHERN CALIFORNIA FEDERAL

OPERATOR

LEASE

3

1980' FSL & 1980' FWL

SEC-29

T-19-S

R-32-E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

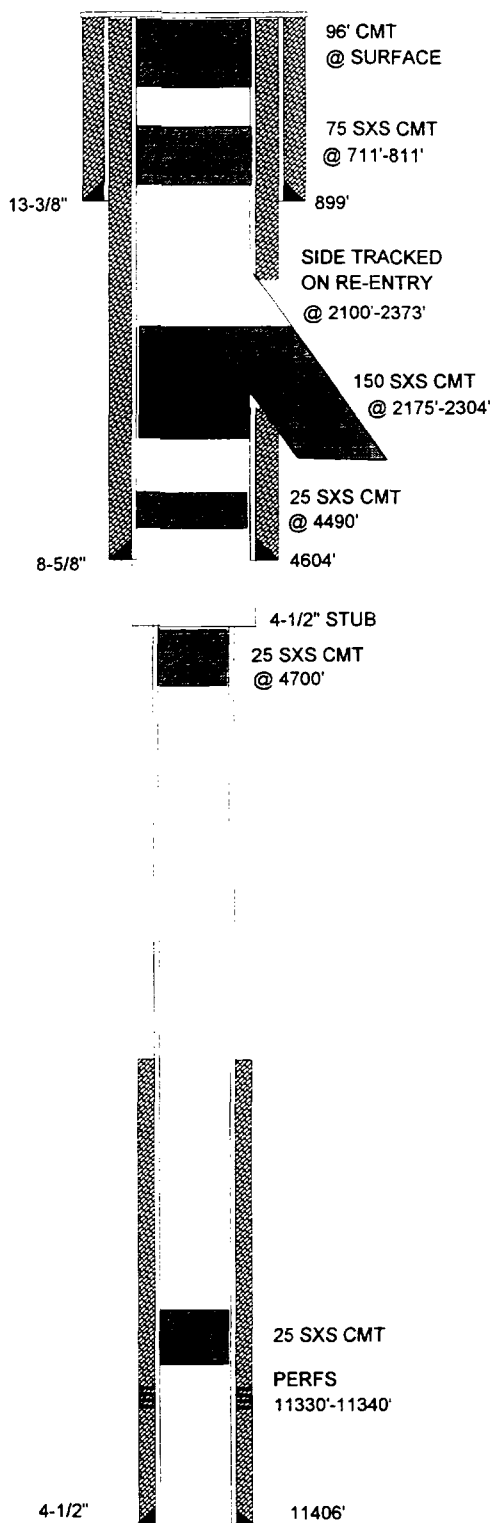
RANGE

TYPE OF WELL:

PLUGGED & ABANDONED

SPUD DATE: 10/24/63

SCHEMATIC



TABULAR DATA

1. SURFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 600 sx
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 1700 sx
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 11 INCHES

3. LONG STRING

SIZE: 4-1/2 INCHES CEMENTED WITH: 300 sx
 TOC: 10100 FEET DETERMINED BY: Temp. Survey
 HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 11406 FEET

5. PERFORATIONS

11330 FEET TO: 11340 FEET
 (PERFORATED OR OPEN HOLE ; INDICATE WHICH)
 PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?
 LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
 DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NONE

FORM C-108
SECTION VIAPPLICATION FOR AUTHORIZATION
TO INJECTParker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

TEXACO INC.

NEW MEXICO "CR" STATE

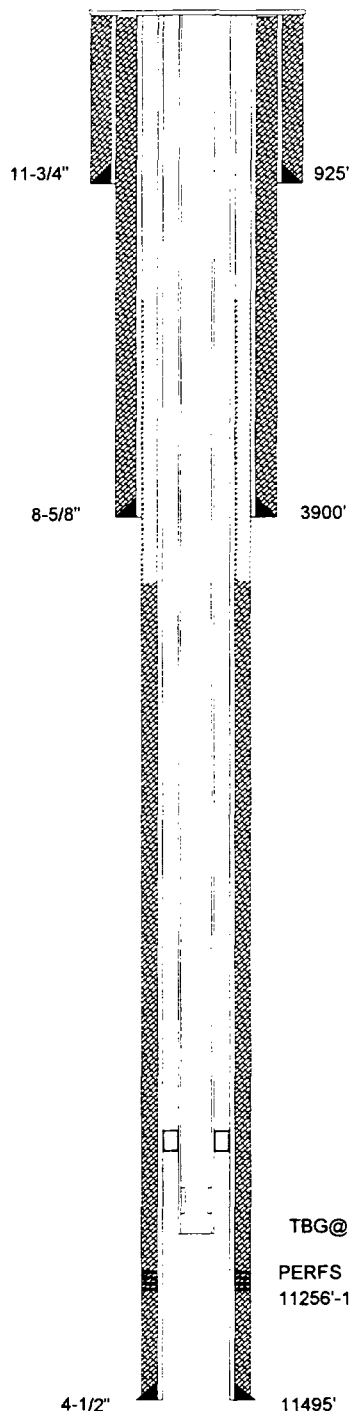
OPERATOR

LEASE

1	660' FNL & 660' FWL	SEC-32	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PRODUCING OIL AND GAS WELL SPUD DATE: 7/3/90

SCHEMATIC



TABULAR DATA

1. SURFACE CASING

SIZE: 11-3/4 INCHES CEMENTED WITH: 600 SX
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 600 SX
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 4-1/2 INCHES CEMENTED WITH: 300 SX
 TOC: 6400 FEET DETERMINED BY: Calculated
 HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 11500 FEET

5. PERFORATIONS

11256 FEET TO: 11304 FEET
 (PERFORATED OR OPEN HOLE ; INDICATE WHICH)
 "PERFORATED"

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

Parker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

**Parker & Parsley
Development L.P.**

SOUTHERN CALIFORNIA FEDERAL

OPERATOR

LEASE

9

660' FWL & 1980' FSL

SEC-29

T-19-S

R-32-E

WELL NO.

FOOTAGE LOCATION

SECTION

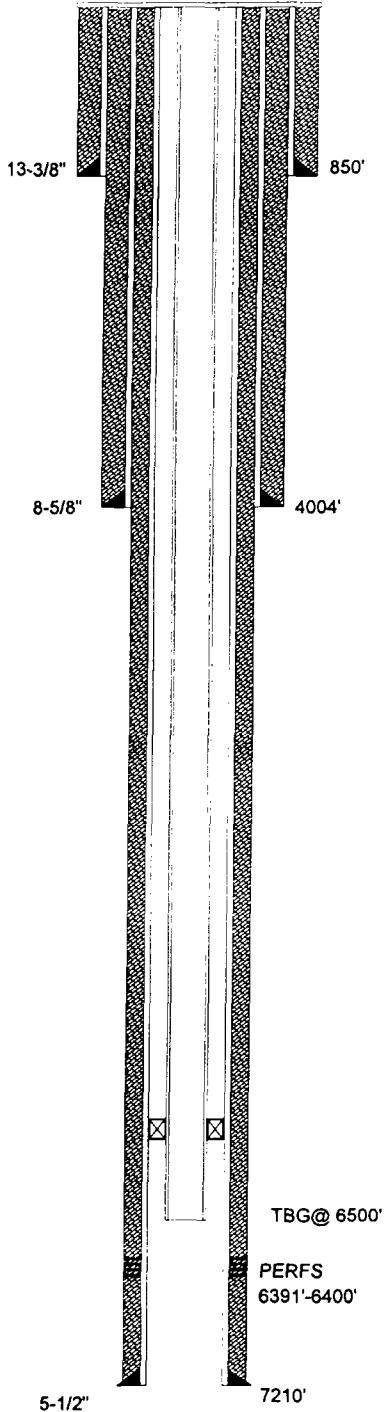
TOWNSHIP

RANGE

TYPE OF WELL: PRODUCING OIL AND GAS WELL

SPUD DATE: 7/21/96

SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 675 sx

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 1325 sx

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 11 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 1265 sx

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 7210 FEET

5. PERFORATIONS

6391 FEET TO: 6400 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

TABULATIONS OF WELL DATA

SECTION VI

WELL DATA SHEET

YATES HARVEY E

LUSK "16" STATE

OPERATOR

LEASE

2	1650' FSL & 330' FWL	SEC-16	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: DRY HOLE

SPUD DATE: 7/30/89

SCHEMATIC

TABULAR DATA

1. SURFACE CASING

SIZE: 9-5/8 INCHES CEMENTED WITH: 500 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 11 INCHES

2. INTERMEDIATE CASING

SIZE: N/A INCHES CEMENTED WITH: N/A SX

TOC: N/A FEET DETERMINED BY: N/A

HOLE SIZE: N/A INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 3475 SX

TOC: Surface FEET DETERMINED BY: Circulated

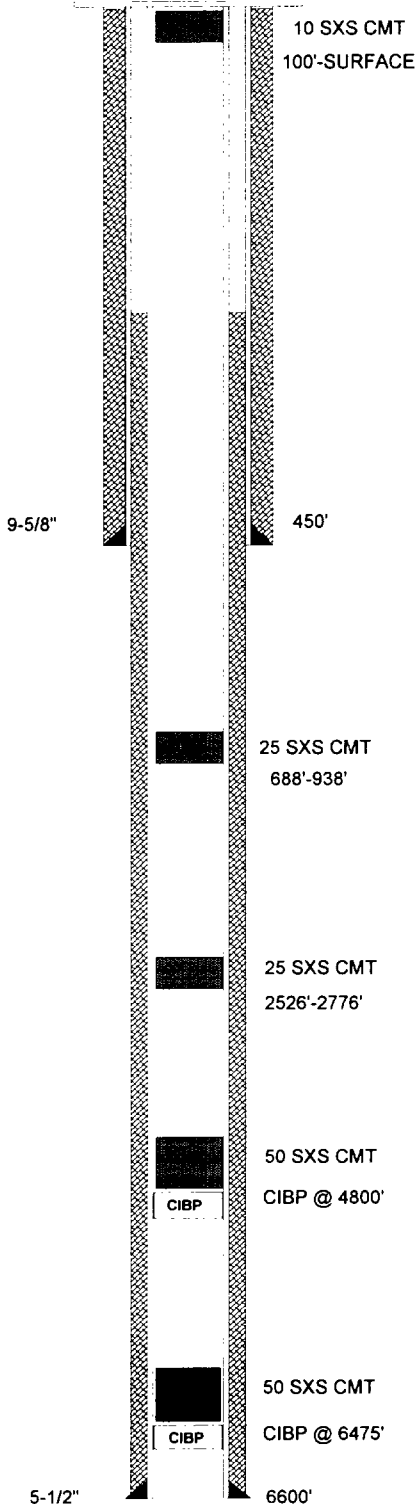
HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 6600 FEET

5. PERFORATIONS

6506 FEET TO: 6506 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?
LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NONE



FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

Parker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

KERSEY & CO.

ATLANTIC

OPERATOR

LEASE

1

1650' FSL & 990' FWL

SEC-21

T-19-S

R-32-E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

TYPE OF WELL:

DRY HOLE

SPUD DATE:

9/18/59

SCHEMATIC

TABULAR DATA

CEMENT MARKER

1. SUFACE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 60 SX

TOC: UNKNOWN FEET DETERMINED BY: UNKNOWN

HOLE SIZE: UNKNOWN INCHES

2. INTERMEDIATE CASING

SIZE: PULLED INCHES CEMENTED WITH: N/A SX

TOC: N/A FEET DETERMINED BY: N/A

HOLE SIZE: N/A INCHES

3. LONG STRING

SIZE: PULLED INCHES CEMENTED WITH: N/A SX

TOC: N/A FEET DETERMINED BY: N/A

HOLE SIZE: N/A INCHES

4. TOTAL DEPTH: 2710 FEET

5. PERFORATIONS

N/A FEET TO: N/A FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?
LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED.

N/A

FILLED WITH MUD

8-5/8"

917'

10 SXS CMT, PLUG

FILLED WITH MUD

10 SXS CMT, PLUG

2710'

FORM C-108
SECTION VIAPPLICATION FOR AUTHORIZATION
TO INJECTParker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

TEXACO INC.

NEW MEXICO "CR" STATE

OPERATOR

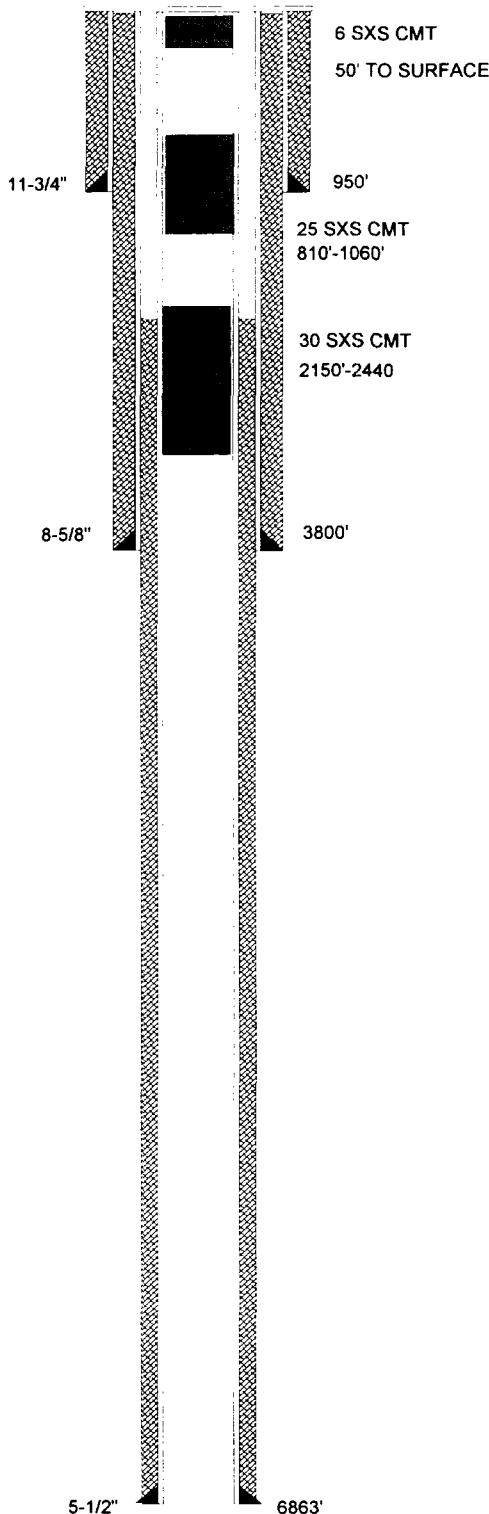
LEASE

4	330' FNL & 1662' FWL	SEC-16	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: DRY HOLE SPUD DATE: 11/16/87

SCHEMATIC

TABULAR DATA



1. SURFACE CASING

SIZE: 11-3/4 INCHES CEMENTED WITH: 1000 SX
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 2200 SX
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 1600 SX
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 6863 FEET

5. PERFORATIONS

6442 FEET TO: 6446 FEET
 (PERFORATED OR OPEN HOLE ; INDICATE WHICH)
 PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?
 LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
 DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NONE

FORM C-108
 SECTION VI

APPLICATION FOR AUTHORIZATION
 TO INJECT

Parker & Parsley
 Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

CULBERTSON-IRWIN INC.

LYNCH

OPERATOR

LEASE

4

660' FSL & 660' FEL

SEC-20

T-19-S

R-32-E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

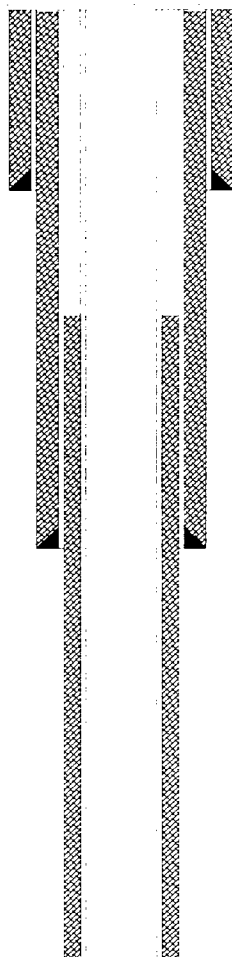
TYPE OF WELL:

DRY HOLE

SPUD DATE:

10/30/43

SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: UNKNOWN **SX**

TOC: UNKNOWN FEET DETERMINED BY: UNKNOWN

HOLE SIZE: UNKNOWN INCHES

2. INTERMEDIATE CASING

SIZE: UNKNOWN INCHES CEMENTED WITH: UNKNOWN **SX**

TOC: UNKNOWN FEET DETERMINED BY: UNKNOWN

HOLE SIZE: UNKNOWN INCHES

3. LONG STRING

SIZE: UNKNOWN INCHES CEMENTED WITH: UNKNOWN **SX**

TOC: UNKNOWN FEET DETERMINED BY: UNKNOWN

HOLE SIZE: UNKNOWN INCHES

4. TOTAL DEPTH: 2820 FEET

5. PERFORATIONS

UNKNOWN FEET TO UNKNOWN FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?

LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED.

UNKNOWN

FROM: DOWNS OIL AND RESEARCH
1424 PAIGE
HOBBS, N.M. , 88240

WELLS DRILLED BACK IN THE 1940'S
THAT WERE ON FEDERAL LAND WERE
NOT REQUIRED TO FURNISH THE OCD
WITH COPIES OF THE PUGGING LOG.
SO ALL THAT IS AVAILABLE IS THE
INFORMATION ON THE SCOUT TICKET.

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

Parker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

PAUL E. HASKINS

SHELL FEDERAL

OPERATOR

LEASE

1	1980' FSL & 600' FEL	SEC-30	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: DRY HOLE SPUD DATE: 2/25/71

SCHEMATIC

TABULAR DATA

1. SUFACE CASING

SIZE: 10-3/4 INCHES CEMENTED WITH: 50 sx
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: N/A INCHES CEMENTED WITH: N/A sx
 TOC: N/A FEET DETERMINED BY: N/A
 HOLE SIZE: N/A INCHES

3. LONG STRING

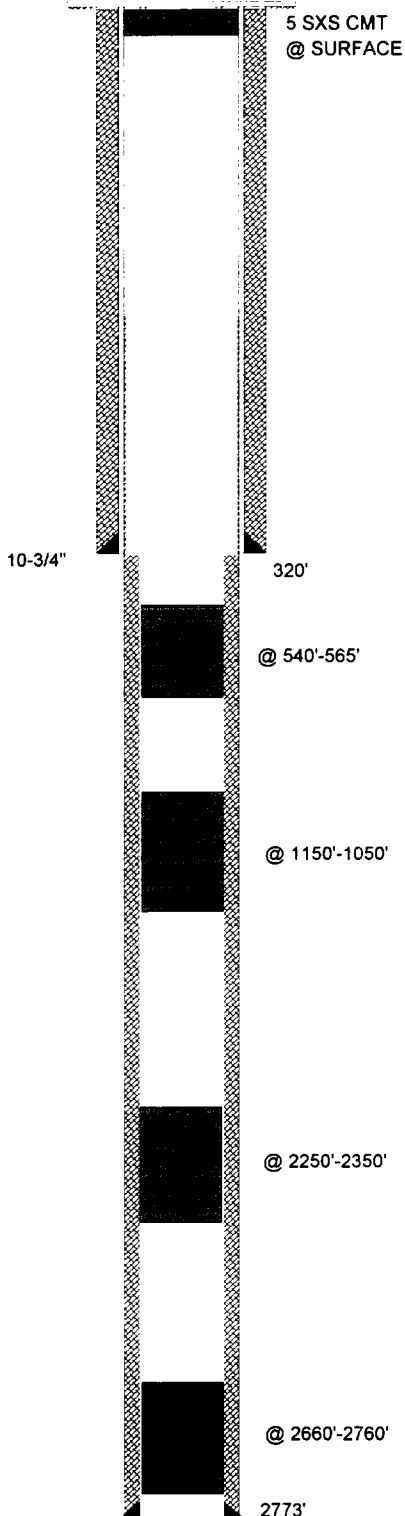
SIZE: 8-5/8 INCHES CEMENTED WITH: N/A sx
 TOC: N/A FEET DETERMINED BY: N/A
 HOLE SIZE: 11 INCHES

4. TOTAL DEPTH: 3508 FEET

5. PERFORATIONS

N/A FEET TO: N/A FEET
 (PERFORATED OR OPEN HOLE ; INDICATE WHICH)
PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?
LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. N/A



FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

Parker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

MARBOB ENERGY CORP.

AQUEDUCT AGG FEDERAL

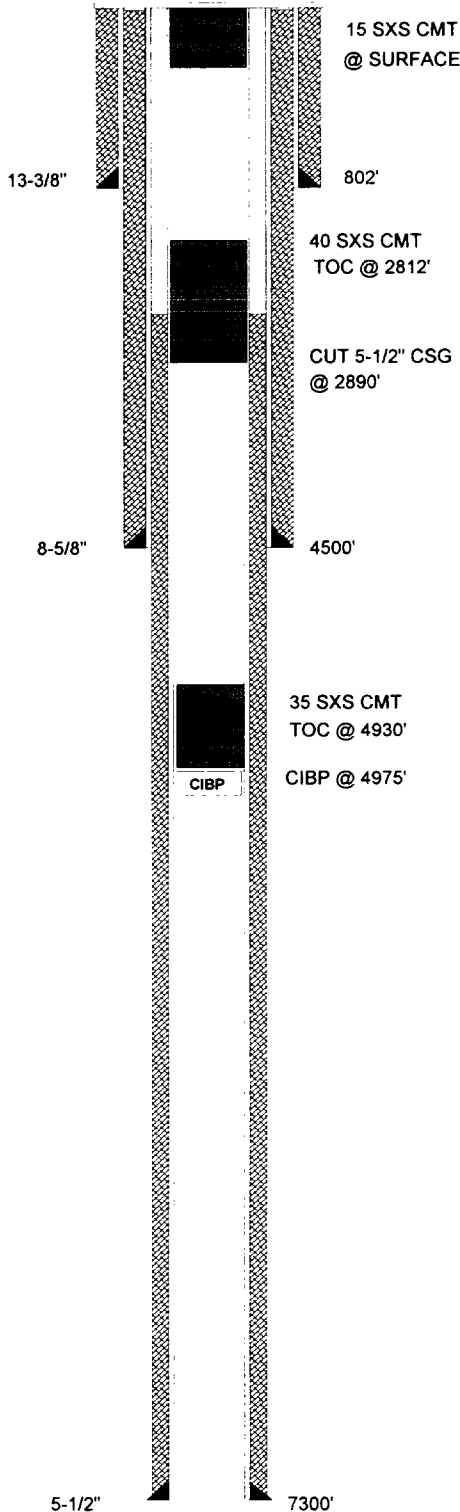
OPERATOR

LEASE

1	330' FSL & 330' FEL	SEC-17	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PLUGGED & ABANDONED SPUD DATE: 6/11/89

SCHEMATIC



TABULAR DATA

1. SURFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 800 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 2950 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 975 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 7300 FEET

5. PERFORATIONS

6486 FEET TO: 6498 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?

LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NONE

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

Parker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

**Parker & Parsley
Development L.P.**

LUSK DEEP UNIT "A"

OPERATOR

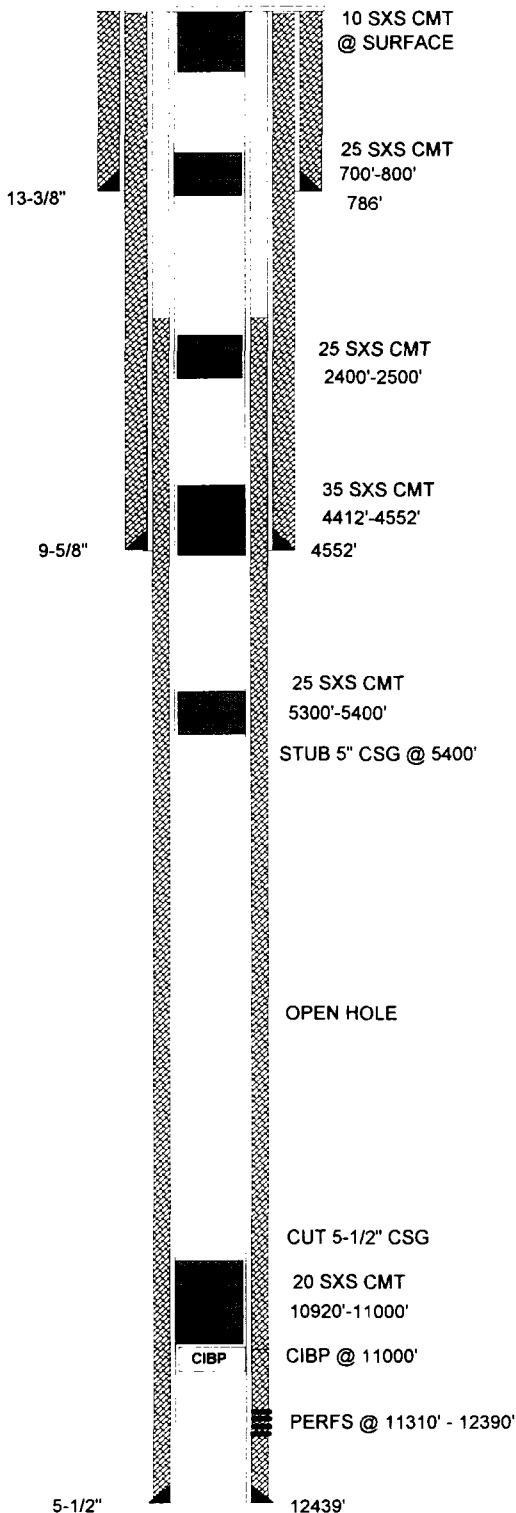
LEASE

3	1650' FNL & 660' FWL	SEC-20	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PLUGGED & ABANDONED

SPUD DATE: 7/22/61

SCHEMATIC



TABULAR DATA

1. SURFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 900 SX
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 9-5/8 INCHES CEMENTED WITH: 2730 SX
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 382 SX
 TOC: 10605 FEET DETERMINED BY: Temp. Survey
 HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 12623 FEET

5. PERFORATIONS

11310 FEET TO: 12390 FEET
 (PERFORATED OR OPEN HOLE ; INDICATE WHICH)
PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?
 LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
 DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NONE

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

Parker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

**Parker & Parsley
Development L.P.**

LUSK DEEP UNIT "A"

OPERATOR

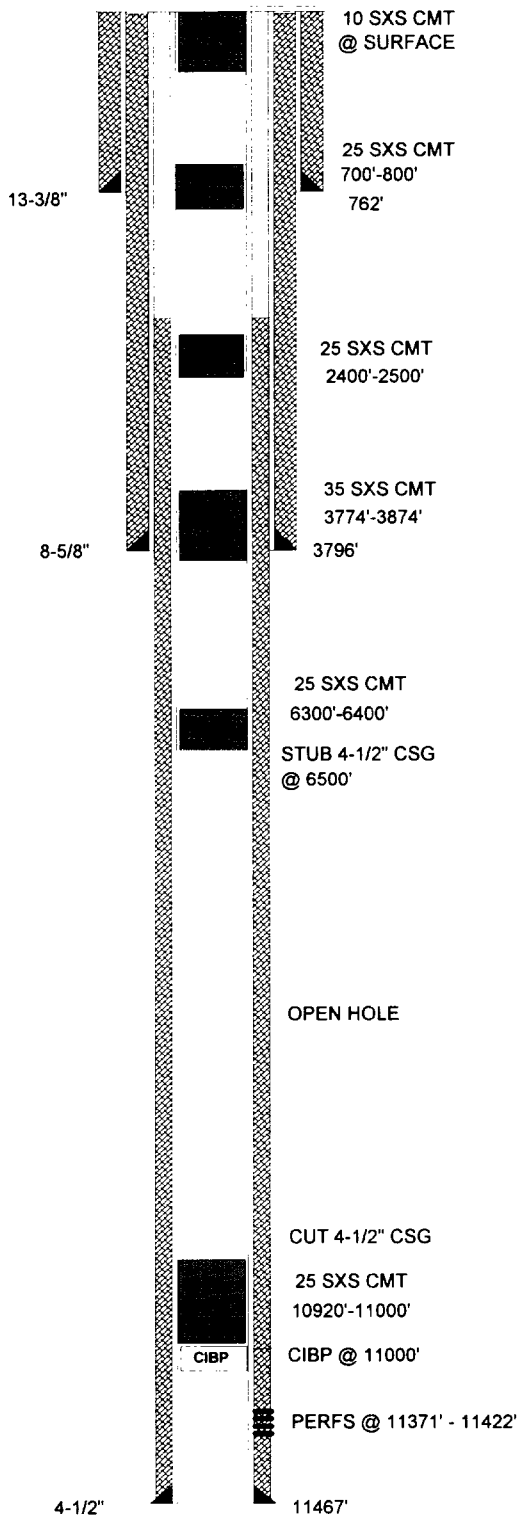
LEASE

7	1650' FSL & 990' FWL	SEC-20	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: **PLUGGED & ABANDONED**

SPUD DATE: 2/11/64

SCHEMATIC



TABULAR DATA

1. SURFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 775 SX
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 2350 SX
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 4-1/2 INCHES CEMENTED WITH: 600 SX
 TOC: 7600 FEET DETERMINED BY: Temp. Survey
 HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 11467 FEET

5. PERFORATIONS

11371 FEET TO: 11422 FEET
 (PERFORATED OR OPEN HOLE ; INDICATE WHICH)
PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?
 LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
 DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NONE

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

Parker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

SHACKELFORD OIL

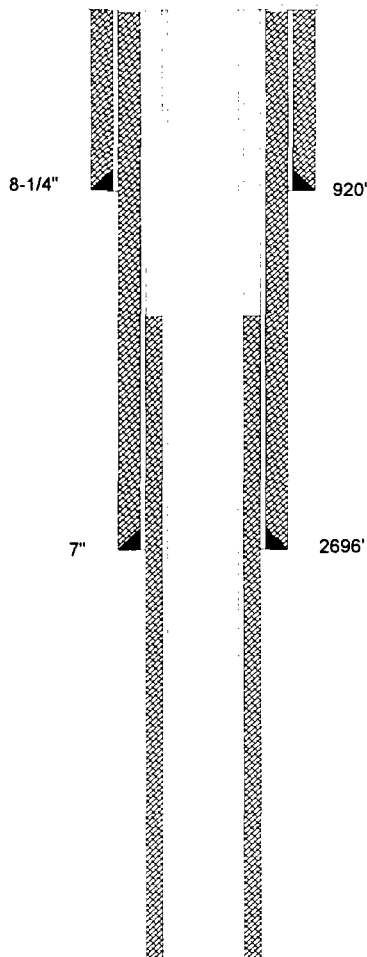
LYNCH

OPERATOR

LEASE

1
WELL NO.660' FSL & 660' FWL
FOOTAGE LOCATIONSEC-21
SECTIONT-19-S
TOWNSHIPR-32-E
RANGETYPE OF WELL: PLUGGED & ABANDONEDSPUD DATE: 12/18/41

SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 8-1/4 INCHES CEMENTED WITH: 50 sxTOC: UNKNOWN FEET DETERMINED BY: UNKNOWNHOLE SIZE: UNKNOWN INCHES

2. INTERMEDIATE CASING

SIZE: 7 INCHES CEMENTED WITH: 100 sxTOC: UNKNOWN FEET DETERMINED BY: UNKNOWNHOLE SIZE: UNKNOWN INCHES

3. LONG STRING

SIZE: UNKNOWN INCHES CEMENTED WITH: UNKNOWN sxTOC: UNKNOWN FEET DETERMINED BY: UNKNOWNHOLE SIZE: UNKNOWN INCHES4. TOTAL DEPTH: 2751 FEET

5. PERFORATIONS

UNKNOWN FEET TO UNKNOWN FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?

LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED.UNKNOWNFROM: DOWNS OIL AND RESEARCH
1424 PAIGE
HOBBS, N.M. , 88240WELLS DRILLED BACK IN THE 1940'S
THAT WERE ON FEDERAL LAND WERE
NOT REQUIRED TO FURNISH THE OCD
WITH COPIES OF THE PUGGING LOG.
SO ALL THAT IS AVAILABLE IS THE
INFORMATION ON THE SCOUT TICKET.FORM C-108
SECTION VIAPPLICATION FOR AUTHORIZATION
TO INJECTParker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

SHACKELFORD OIL

LYNCH

OPERATOR

LEASE

2	1980' FSL & 660' FWL	SEC-21	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PLUGGED & ABANDONED SPUD DATE: 4/11/42

SCHEMATIC

TABULAR DATA

1. SURFACE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 50 SX
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 11 INCHES

2. INTERMEDIATE CASING

SIZE: N/A INCHES CEMENTED WITH: N/A SX
 TOC: N/A FEET DETERMINED BY: N/A
 HOLE SIZE: N/A INCHES

3. LONG STRING

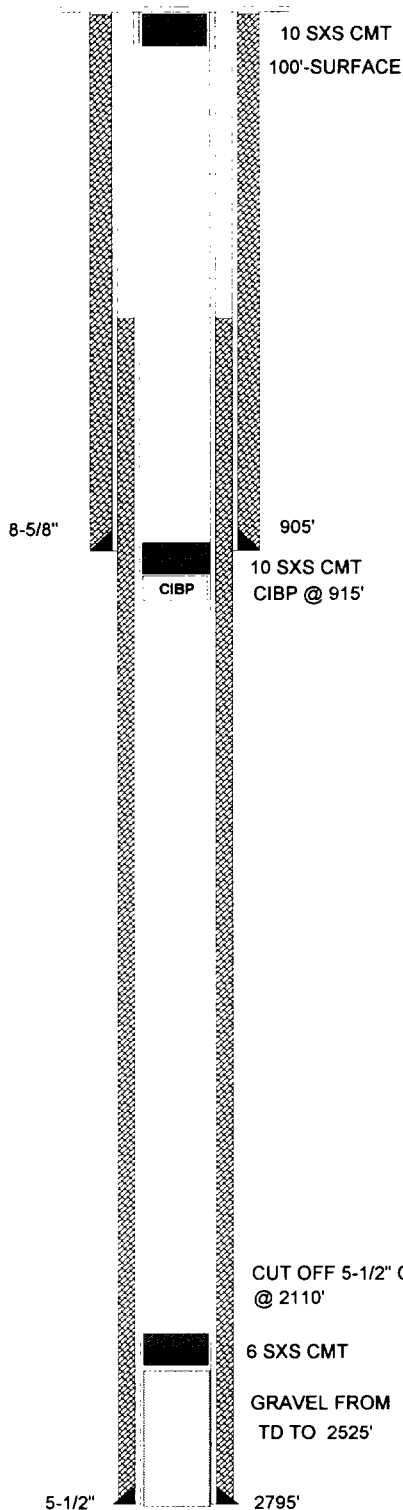
SIZE: 5-1/2 INCHES CEMENTED WITH: 100 SX
 TOC: 2400 FEET DETERMINED BY: Temp. Survey
 HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 2820 FEET

5. PERFORATIONS

2680 FEET TO: 2955 FEET
 (PERFORATED OR OPEN HOLE ; INDICATE WHICH)
PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?
LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NONE



FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

Parker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

SHACKELFORD OIL

PLAINS FEDERAL

OPERATOR

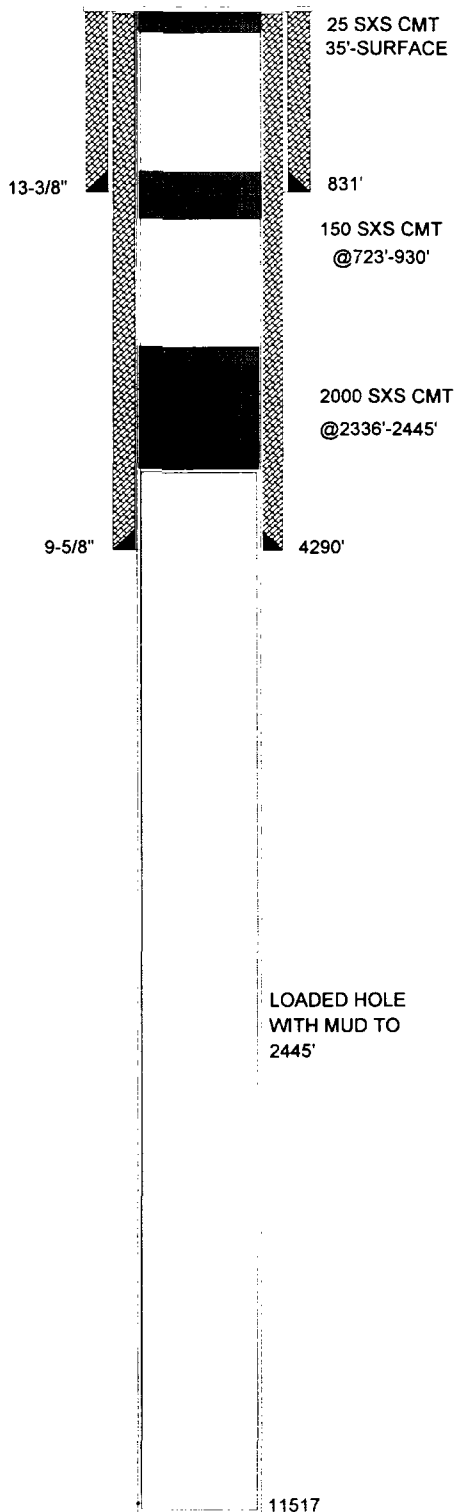
LEASE

4	1930' FSL & 660' FWL	SEC-21	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PLUGGED & ABANDONED

SPUD DATE: 9/12/63

SCHEMATIC



TABULAR DATA

1. SURFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 725 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 9-5/8 INCHES CEMENTED WITH: 1000 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 11 INCHES

3. LONG STRING

SIZE: N/A INCHES CEMENTED WITH: N/A SX

TOC: N/A FEET DETERMINED BY: N/A

HOLE SIZE: _____ INCHES

4. TOTAL DEPTH: 11517 FEET

5. PERFORATIONS

N/A FEET TO: N/A FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?
LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NONE

LOADED HOLE
WITH MUD TO
2445'

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

Parker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

CULBERTSON-IRWIN INC.

BOWMAN

OPERATOR

LEASE

1	660' FNL & 660' FWL	SEC-28	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PLUGGED & ABANDONED	SPUD DATE: 2/21/42
--	---------------------------

SCHEMATIC

TABULAR DATA

1. SURFACE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 50 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 11 INCHES

2. INTERMEDIATE CASING

SIZE: N/A INCHES CEMENTED WITH: N/A SX

TOC: N/A FEET DETERMINED BY: N/A

HOLE SIZE: N/A INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 100 SX

TOC: 2391 FEET DETERMINED BY: Temp. Survey

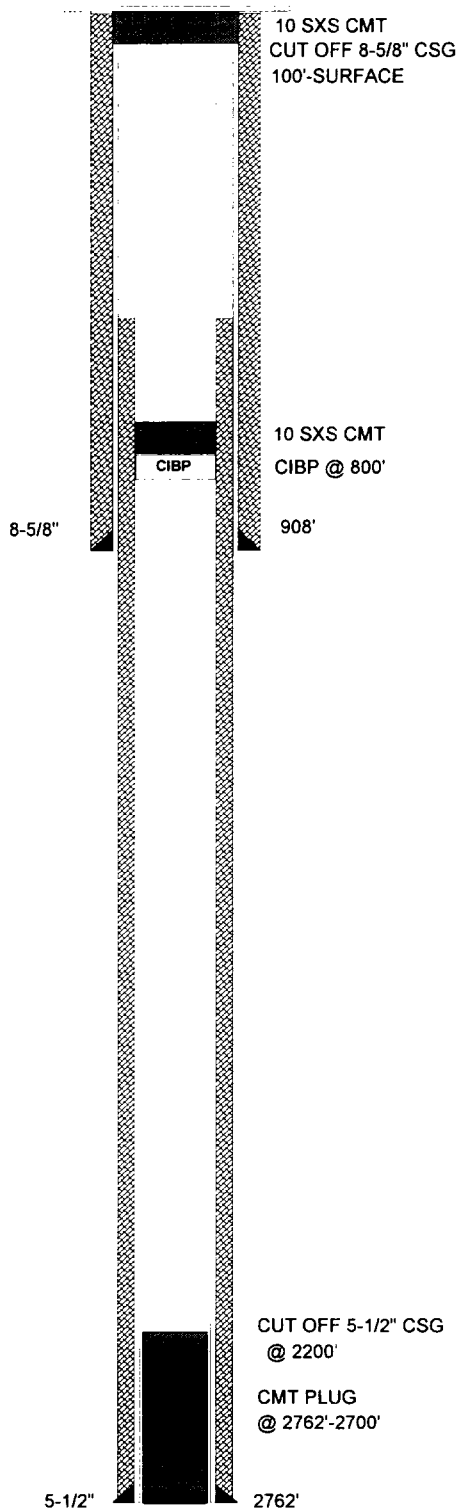
HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 2811 FEET

5. PERFORATIONS

2680 FEET TO: 2955 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?
LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NONE



FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

Parker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

TEXACO INC

BOWMAN

OPERATOR

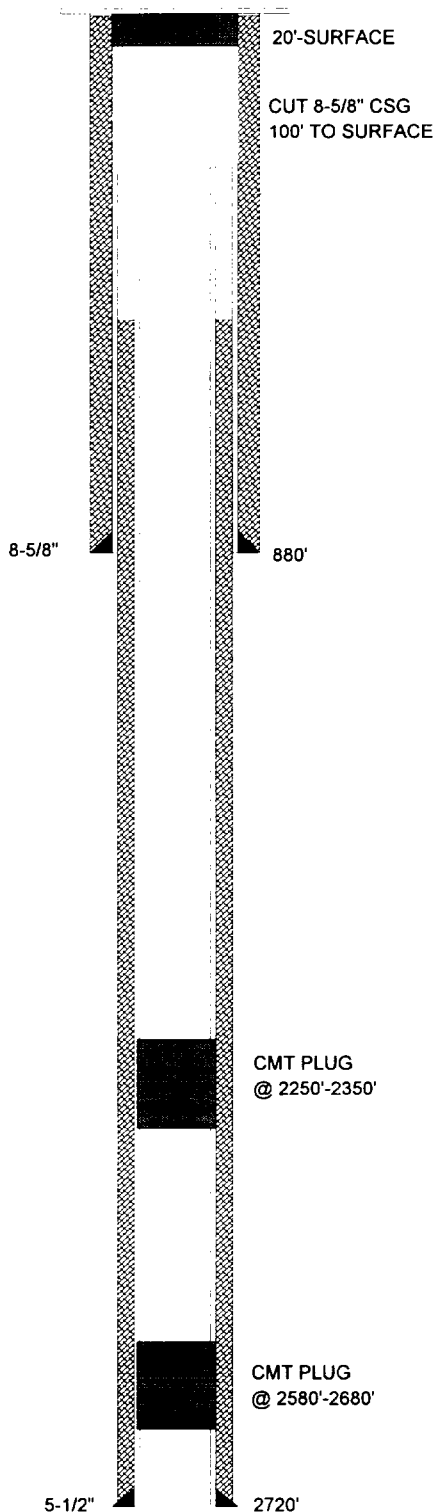
LEASE

1	2310' FNL & 2310' FWL	SEC-29	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PLUGGED & ABANDONED SPUD DATE: 10/10/67

SCHEMATIC

TABULAR DATA



1. SURFACE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 500 SX
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 11 INCHES

2. INTERMEDIATE CASING

SIZE: N/A INCHES CEMENTED WITH: N/A SX
 TOC: N/A FEET DETERMINED BY: N/A
 HOLE SIZE: N/A INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 700 SX
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 2770 FEET

5. PERFORATIONS

2628 FEET TO: 2648 FEET
 (PERFORATED OR OPEN HOLE ; INDICATE WHICH)
PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?
 LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
 DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED.

N/A

CMT PLUG
 @ 2250'-2350'

CMT PLUG
 @ 2580'-2680'

FORM C-108
 SECTION VI

APPLICATION FOR AUTHORIZATION
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Parker & Parsley
 Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

KINCAID & WATSON DRILLING CO.

SA BOWMAN FEDERAL

OPERATOR

LEASE

1	330' FSL & 2310' FWL	SEC-29	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PLUGGED & ABANDONED SPUD DATE: 8/15/57

SCHEMATIC

TABULAR DATA

1. SURFACE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 500 SX
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 11 INCHES

2. INTERMEDIATE CASING

SIZE: N/A INCHES CEMENTED WITH: N/A SX
 TOC: N/A FEET DETERMINED BY: N/A
 HOLE SIZE: N/A INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 600 SX
 TOC: 250 FEET DETERMINED BY: Temp. Survey
 HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 2770 FEET

5. PERFORATIONS

2493 FEET TO: 2567 FEET
 (PERFORATED OR OPEN HOLE ; INDICATE WHICH)
PERFORATED"

**6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?
 LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
 DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED.**

NONE

CMT PLUG
 @ 2500'-2690'

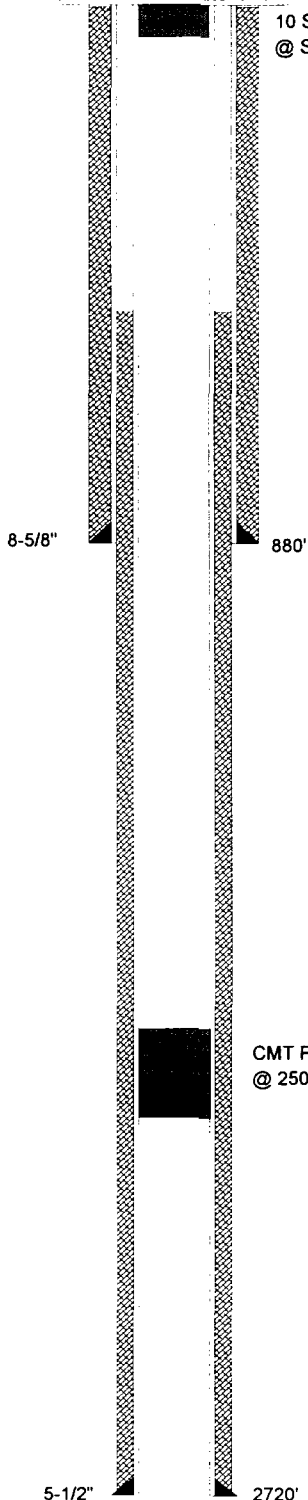
FORM C-108
 SECTION VI

APPLICATION FOR AUTHORIZATION
 TO INJECT

Parker & Parsley
 Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA



WELL DATA SHEET

TEXACO INC

SA BOWMAN FEDERAL

OPERATOR

LEASE

4
WELL NO.

990' FSL & 1659' FEL
FOOTAGE LOCATION

SEC-29
SECTION

T-19-S
TOWNSHIP

R-32-E
RANGE

TYPE OF WELL: PLUGGED & ABANDONED

SPUD DATE: 12/8/87

SCHEMATIC

TABULAR DATA

1. SURFACE CASING

SIZE: 11-3/4 INCHES CEMENTED WITH: 1000 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 14-3/4 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 1800 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 11 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 1750 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 6850 FEET

5. PERFORATIONS

6428 FEET TO: 6139 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?
LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NONE

35' CMT
CIBP @ 6300'

PERFS
6428'-6139'

35' CMT
CIBP @ 6650'

5-1/2"

6850'

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
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Parker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

**Parker & Parsley
Development L.P.**

SOUTHERN CALIFORNIA FEDERAL

OPERATOR

LEASE

2

990' FNL & 990' FWL

SEC-29

T-19-S

R-32-E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

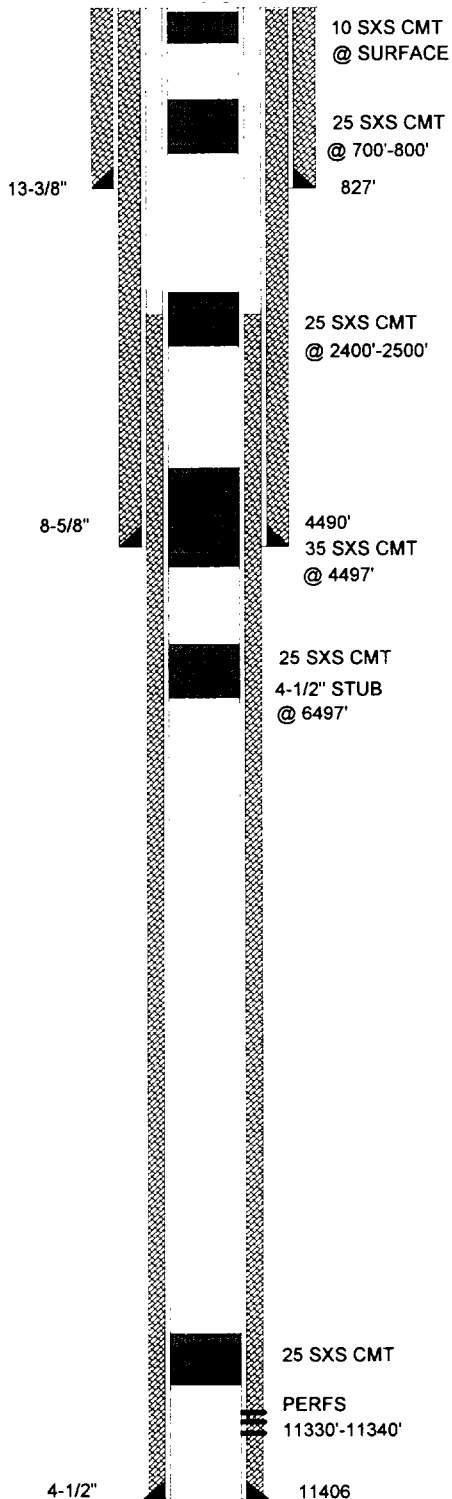
RANGE

TYPE OF WELL:

PLUGGED & ABANDONED

SPUD DATE: 3/15/63

SCHEMATIC



TABULAR DATA

1. SURFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 900 sx

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 2500 sx

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 11 INCHES

3. LONG STRING

SIZE: 4-1/2 INCHES CEMENTED WITH: 300 sx

TOC: 10100 FEET DETERMINED BY: Temp. Survey

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 11406 FEET

5. PERFORATIONS

11330 FEET TO: 11340 FEET

(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?

LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED

DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NONE

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
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Parker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

**Parker & Parsley
Development L.P.**

SOUTHERN CALIFORNIA FEDERAL

OPERATOR

LEASE

3
WELL NO.

1980' FSL & 1980' FWL
FOOTAGE LOCATION

SEC-29
SECTION

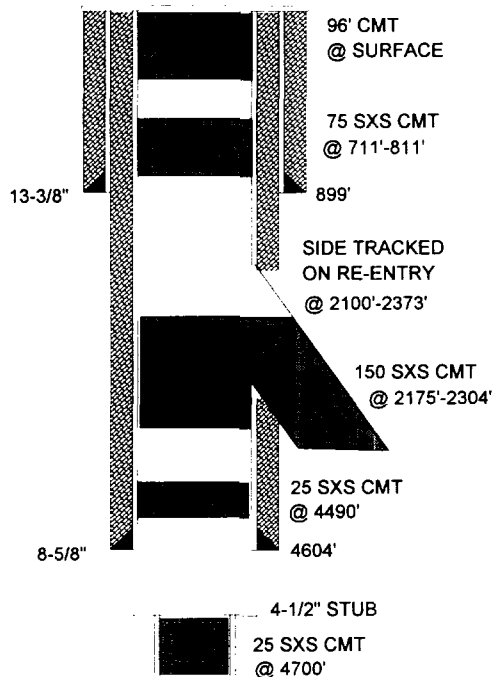
T-19-S
TOWNSHIP

R-32-E
RANGE

TYPE OF WELL: **PLUGGED & ABANDONED**

SPUD DATE: 10/24/63

SCHEMATIC



TABULAR DATA

1. SURFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 600 sx

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 1700 sx

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 11 INCHES

3. LONG STRING

SIZE: 4-1/2 INCHES CEMENTED WITH: 300 sx

TOC: 10100 FEET DETERMINED BY: Temp. Survey

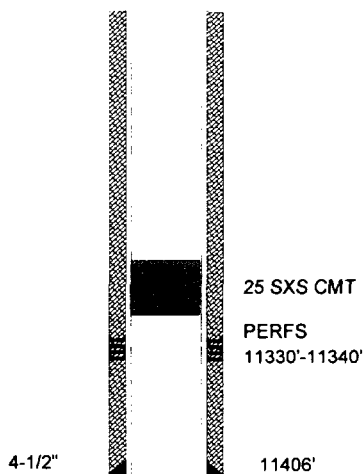
HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 11406 FEET

5. PERFORATIONS

11330 FEET TO: 11340 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?
LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NONE



FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

Parker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

**Parker & Parsley
Development L.P.**

NEW MEXICO "DH" STATE

OPERATOR

LEASE

1-Y
WELL NO.

380' FNL & 330' FEL
FOOTAGE LOCATION

SEC-32
SECTION

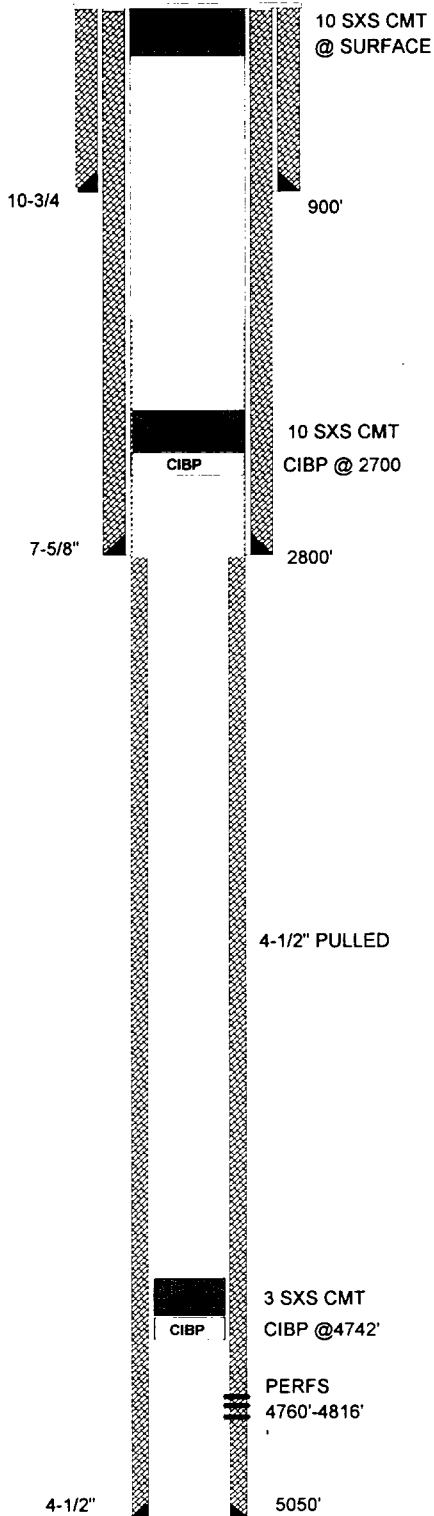
T-19-S
TOWNSHIP

R-32-E
RANGE

TYPE OF WELL: **PLUGGED & ABANDONED**

SPUD DATE: **3/12/71**

SCHEMATIC



TABULAR DATA

1. SURFACE CASING

SIZE: 10-3/4 INCHES CEMENTED WITH: 680 sx
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 7-5/8 INCHES CEMENTED WITH: 350 sx
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 11 INCHES

3. LONG STRING

SIZE: 4-1/2 INCHES CEMENTED WITH: 154 sx
 TOC: 4400 FEET DETERMINED BY: Temp. Survey
 HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 5050 FEET

5. PERFORATIONS

4760 FEET TO: 4816 FEET
 (PERFORATED OR OPEN HOLE ; INDICATE WHICH)
PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?
 LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
 DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NONE

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

Parker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

**Parker & Parsley
Development L.P.**

NEW MEXICO "DH" STATE

OPERATOR

LEASE

1	330' FNL & 330' FEL	SEC-32	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PLUGGED & ABANDONED

SPUD DATE: 2/25/71

SCHEMATIC

TABULAR DATA

1. SUFACE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 530 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 11 INCHES

2. INTERMEDIATE CASING

SIZE: N/A INCHES CEMENTED WITH: N/A SX

TOC: N/A FEET DETERMINED BY: N/A

HOLE SIZE: N/A INCHES

3. LONG STRING

SIZE: N/A INCHES CEMENTED WITH: N/A SX

TOC: N/A FEET DETERMINED BY: N/A

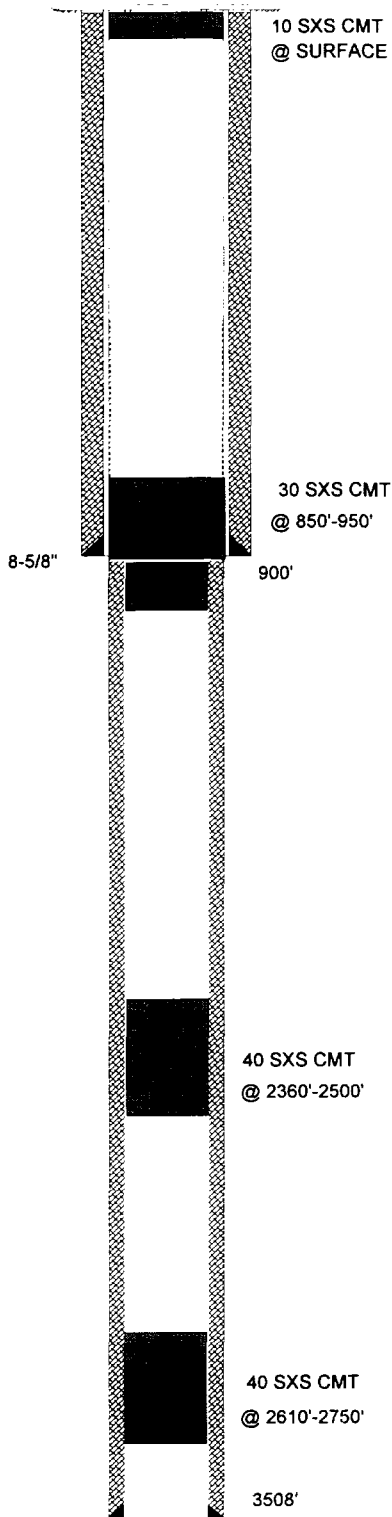
HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 3508 FEET

5. PERFORATIONS

N/A FEET TO: N/A FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?
LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. N/A



FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

Parker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

**Parker & Parsley
Development L.P.**

FORAN "NF" SATE

OPERATOR

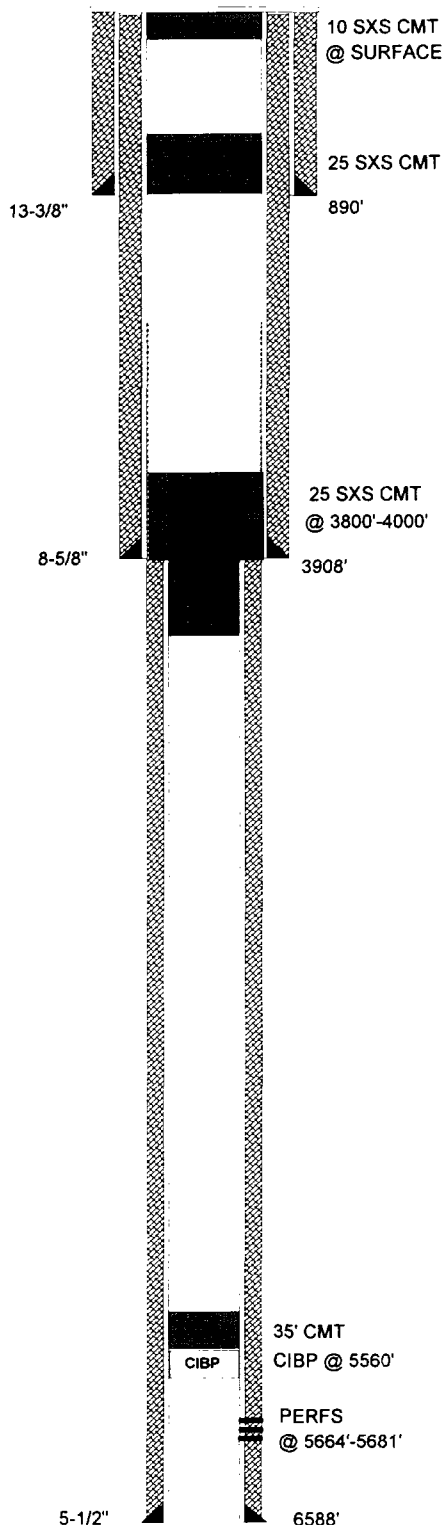
LEASE

1	330' FNL & 1980' FEL	SEC-32	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PLUGGED & ABANDONED

SPUD DATE: 12/16/87

SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 760 sx

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-7/8 INCHES CEMENTED WITH: 1555 sx

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 11 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 545 sx

TOC: 4300 FEET DETERMINED BY: Temp. Survey

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 6588 FEET

5. PERFORATIONS

5664 FEET TO: 5681 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?
LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. N/A

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

Parker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

PAN AMERICAN PET. CORP.

PLAINS UNIT

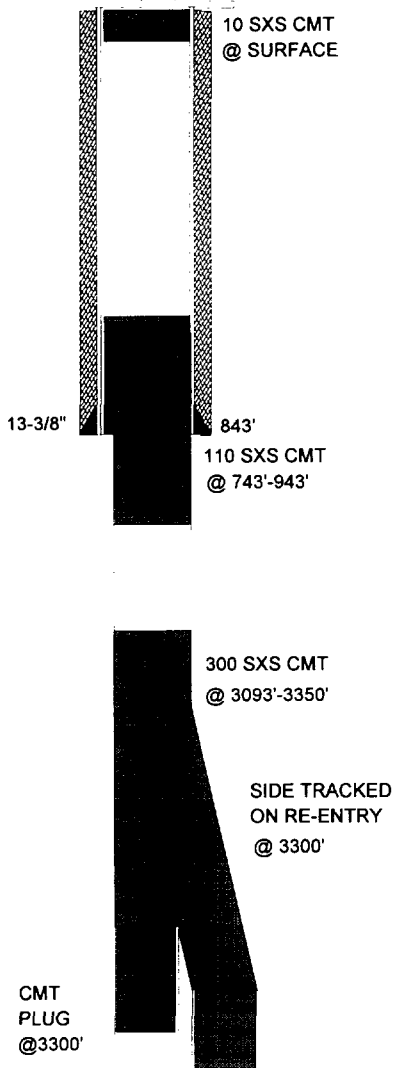
OPERATOR

LEASE

3	1980' FSL & 660' FWL	SEC-28	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PLUGGED & ABANDONED SPUD DATE: 7/6/63

SCHEMATIC



TABULAR DATA

1. SURFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 750 sx
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: N/A INCHES CEMENTED WITH: N/A sx
 TOC: N/A FEET DETERMINED BY: N/A
 HOLE SIZE: 11 INCHES

3. LONG STRING

SIZE: N/A INCHES CEMENTED WITH: N/A sx
 TOC: N/A FEET DETERMINED BY: N/A
 HOLE SIZE: N/A INCHES

4. TOTAL DEPTH: 4111 FEET

5. PERFORATIONS

N/A FEET TO: N/A FEET
 (PERFORATED OR OPEN HOLE ; INDICATE WHICH)
PERFORATED"

6. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S)?

LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGED
 DETAIL, I.E. SACKS OF CEMENT OR PLUG(S) USED. NONE

FORM C-108
 SECTION VI

APPLICATION FOR AUTHORIZATION
 TO INJECT

Parker & Parsley
 Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

ON JULY 26, 1963 WHILE DRILLING AT 4111', 15 DRILL COLLARS BECAME STUCK. IN
 SUBSEQUENT FISHING OPERATIONS THREE COLLARS WERE RECOVERED LEAVING
 12 COLLARS IN THE HOLE. TOP OF FISH TO 3535'. AFTER FISHING FOR SEVEN DAYS,
 A CEMENT PLUS WAS SET FROM TOP OF FISH TO 3300'. DRILLING WAS
 COMMENCED IN AN UNDETERMINED DIRECTION TO BY-PASS THE JUNK IN HOLE.
 AFTER UNABLE TO GET WHIPSTOCK TO BOTTOM. ON 8-12-63 WHILE MAKING A TRIP
 AFTER DRILLING THE SIDE TRACK HOLE TO DEPTH OF 4005', THE DRILL PIPE STUCK
 ONCE AGAIN. TOP OF FISH AT 3667' AFTER FISHING FOR TWO DAYS ABANDON THE
 HOLE AND MOVED LOCATION. LEFT THREE DRILL COLLARS, JARS AND BIT IN HOLE.
 ABANDONED BY SPOTTING 300 SXS CMT PLUG @ 3093'-3350' ; 110 SXS @ 743'-943' ;
 AND 10 SXS CMT @ SURFACE.

4005'

4111'

WELL DATA SHEET

RAY WESTALL OPERATING CORP.

LUSK "16" STATE

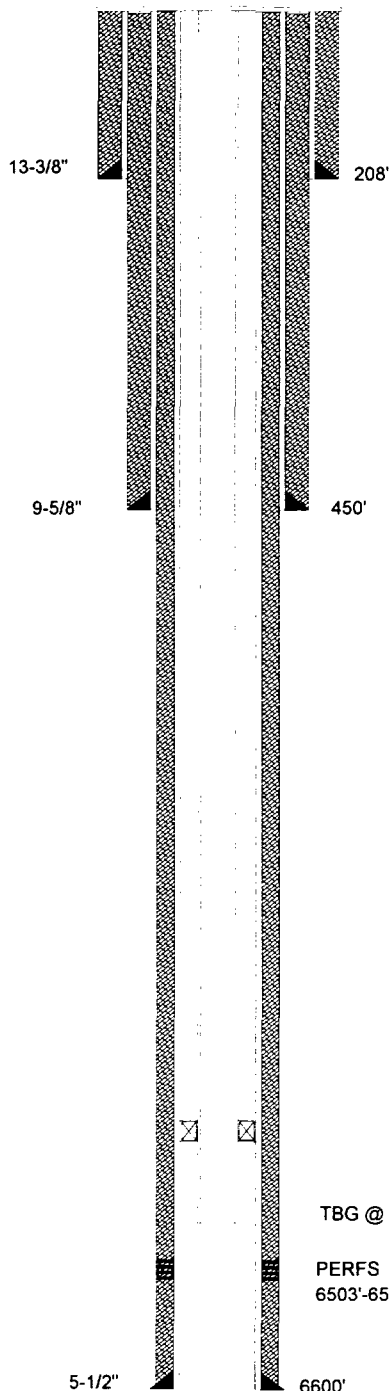
OPERATOR

LEASE

1	660' FSL & 660' FWL	SEC-16	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PRODUCING OIL AND GAS WELL **SPUD DATE:** 3/9/62

SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 125 **SX**

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 9-5/8 INCHES CEMENTED WITH: 500 **SX**

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 11 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 3475 **SX**

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 6600 FEET

5. PERFORATIONS

6503 FEET TO: 6509 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

**FORM C-108
SECTION VI**

**APPLICATION FOR AUTHORIZATION
TO INJECT**

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

**Parker & Parsley
Development L.P.**

LUSK DEEP UNIT "A"

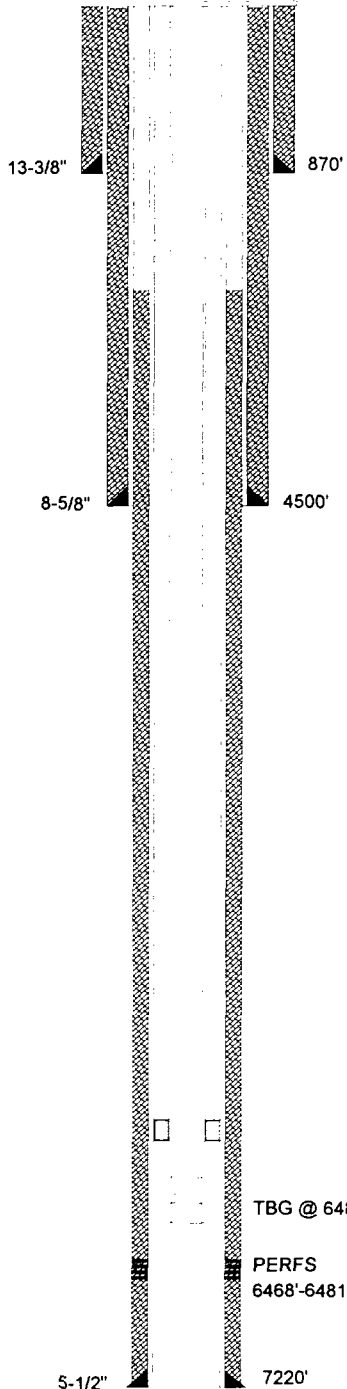
OPERATOR

LEASE

19	330' FNL & 1656' FEL	SEC-20	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PRODUCING OIL AND GAS WELL SPUD DATE: 1/26/90

SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 1000 sx

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 3230 sx

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 900 sx

TOC: 1630 FEET DETERMINED BY: Temp. Survey

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 7220 FEET

5. PERFORATIONS

6468 FEET TO: 6481 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

SHACKELFORD OIL

MOBIL FEDERAL

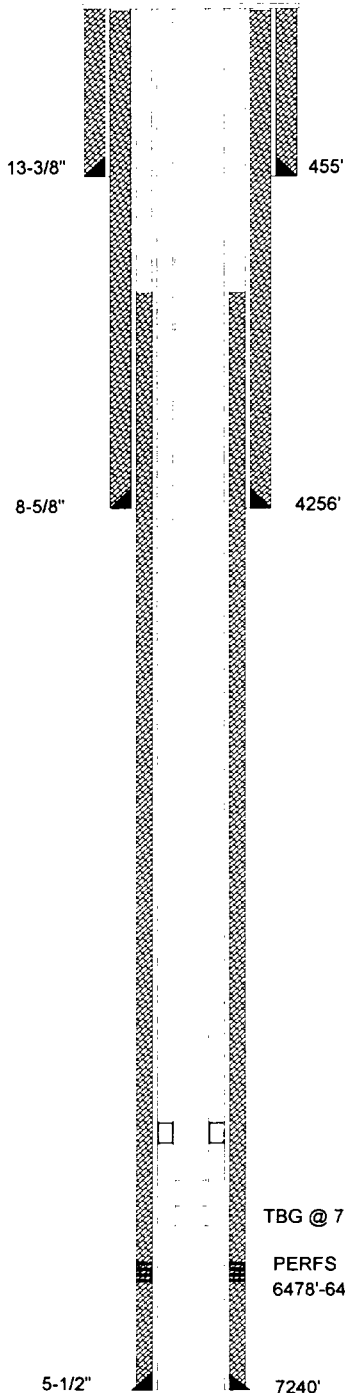
OPERATOR

LEASE

3	2310' FSL & 330' FWL	SEC-21	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PRODUCING OIL AND GAS WELL SPUD DATE: 10/25/89

SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 475 **sx**

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 1090 **sx**

TOC: 150 FEET DETERMINED BY: Temp. Survey

HOLE SIZE: 11 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 1000 **sx**

TOC: 3240 FEET DETERMINED BY: Calculated

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 7240 FEET

5. PERFORATIONS

6478 FEET TO: 6485 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

**FORM C-108
SECTION VI**

**APPLICATION FOR AUTHORIZATION
TO INJECT**

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

**Parker & Parsley
Development L.P.**

OPERATOR

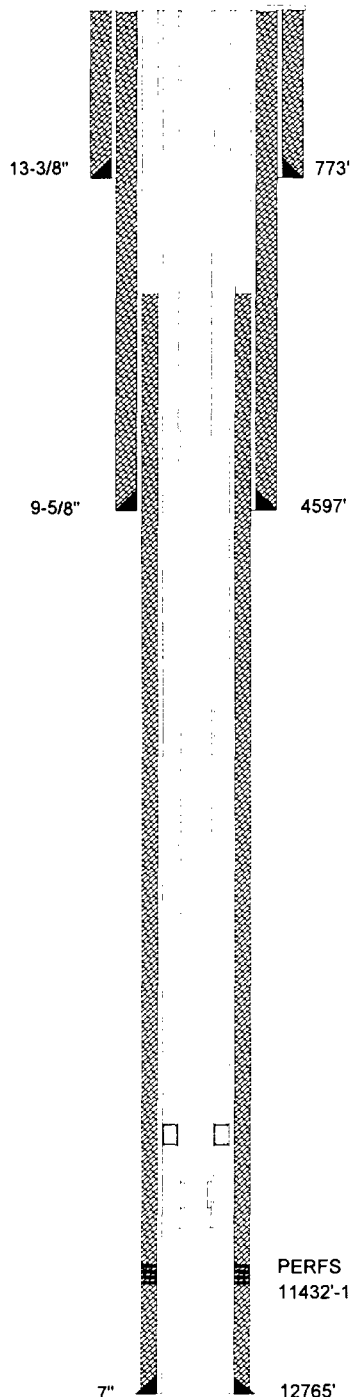
PLAINS UNIT

LEASE

2	1980' FNL & 660' FWL	SEC-28	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PRODUCING OIL AND GAS WELL SPUD DATE: 3/19/63

SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 750 sx
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 9-5/8 INCHES CEMENTED WITH: 4250 sx
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 7 INCHES CEMENTED WITH: 750 sx
 TOC: 4490 FEET DETERMINED BY: Temp. Survey
 HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 12996 FEET

5. PERFORATIONS

11432 FEET TO: 12530 FEET
 (PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

**Parker & Parsley
Development L.P.**

PLAINS UNIT FEDERAL

OPERATOR

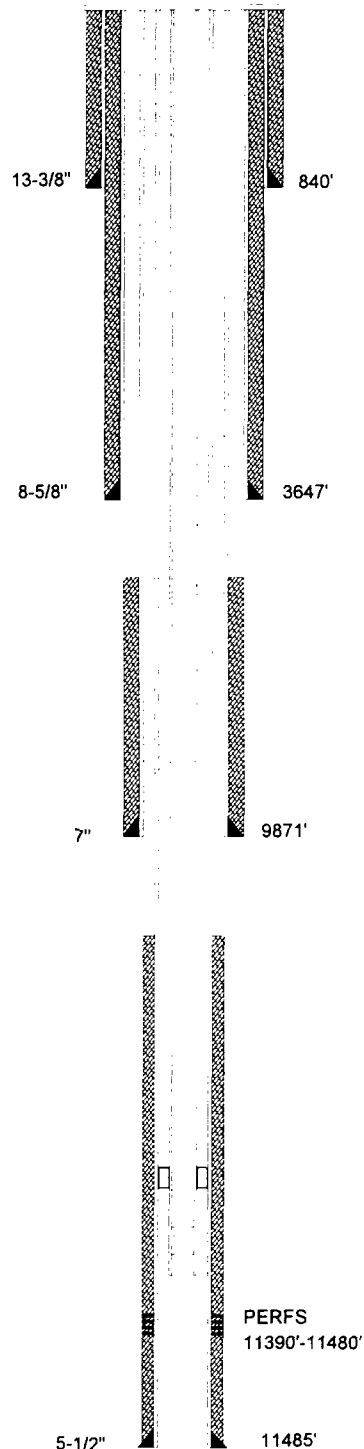
LEASE

3-Y	1980' FSL & 760' FWL	SEC-28	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PRODUCING OIL AND GAS WELL SPUD DATE: 12/4/81

TABULAR DATA

SCHEMATIC



1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 750 sx
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 700 sx
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 12-1/4 INCHES

3. INTERMEDIATE CASING

SIZE: 7 INCHES CEMENTED WITH: 250 sx
 TOC: 8796 FEET DETERMINED BY: Temp. Survey
 HOLE SIZE: 8-1/2 INCHES

4. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 250 sx
 TOC: 10714 FEET DETERMINED BY: Calculated
 HOLE SIZE: 7-7/8 INCHES

5. TOTAL DEPTH: 11485 FEET

6. PERFORATIONS

11390 FEET TO: 11480 FEET
 (PERFORATED OR OPEN HOLE ; INDICATE WHICH)

"PERFORATED"

FORM C-108
 SECTION VI
 APPLICATION FOR AUTHORIZATION
 TO INJECT

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL
 TABULATION OF WELL DATA

WELL DATA SHEET

SHACKELFORD OIL

PLAINS FEDERAL

OPERATOR

LEASE

4 - X

710' FSL & 660' FWL

SEC-21

T-19-S

R-32-E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

TYPE OF WELL:

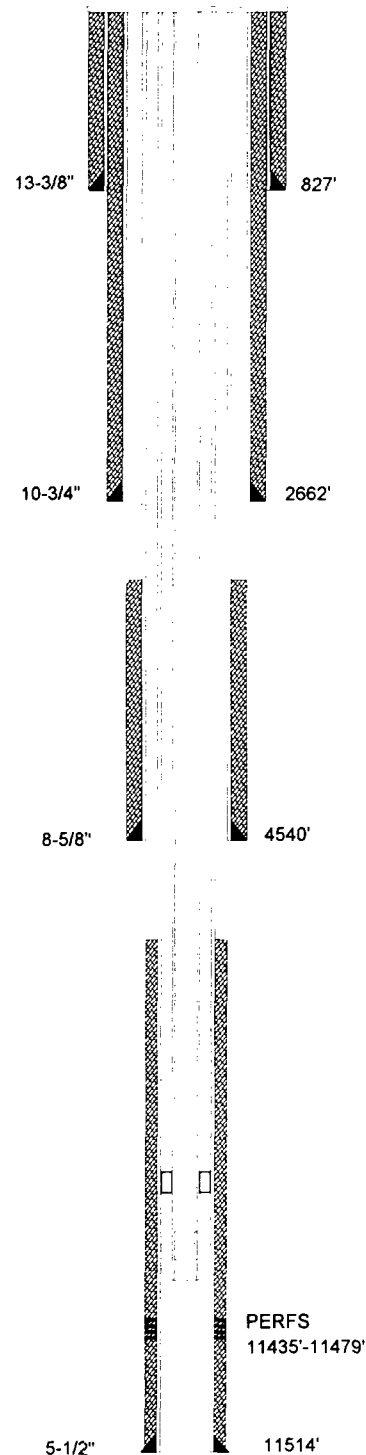
PRODUCING OIL AND GAS WELL

SPUD DATE:

1/4/64

TABULAR DATA

SCHEMATIC



1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 750 sx

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 10-3/4 INCHES CEMENTED WITH: 700 sx

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 12-1/4 INCHES

3. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 250 sx

TOC: 3500 FEET DETERMINED BY: Temp. Survey

HOLE SIZE: 9-7/8 INCHES

4. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 200 sx

TOC: 10714 FEET DETERMINED BY: Calculated

HOLE SIZE: 7-7/8 INCHES

5. TOTAL DEPTH: 11514 FEET

6. PERFORATIONS

11435 FEET TO: 11479 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

"PERFORATED"

FORM C-108
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APPLICATION FOR AUTHORIZATION
TO INJECT

Parker & Parsley
Development L.P.

WATER INJECTION WELL
TABULATION OF WELL DATA

WELL DATA SHEET

SHACKELFORD OIL

PLAINS UNIT

OPERATOR

LEASE

6

1980' FSL & 660' FWL

SEC-21

T-19-S

R-32-E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

TYPE OF WELL:

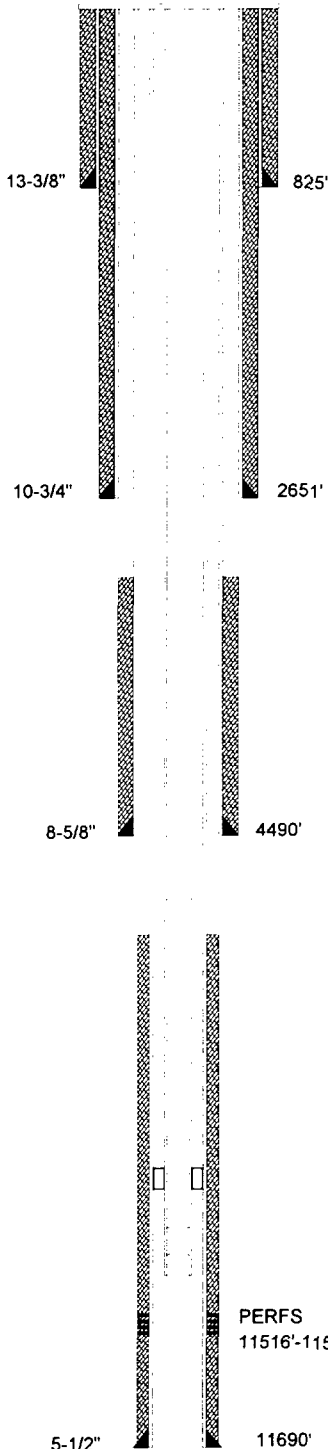
PRODUCING OIL AND GAS WELL

SPUD DATE:

7/10/96

TABULAR DATA

SCHEMATIC



1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 750 sx

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 10-3/4 INCHES CEMENTED WITH: 700 sx

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 12-1/4 INCHES

3. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 275 sx

TOC: 3335 FEET DETERMINED BY: Calculated

HOLE SIZE: 11 INCHES

4. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 200 sx

TOC: 10714 FEET DETERMINED BY: Calculated

HOLE SIZE: 7-7/8 INCHES

5. TOTAL DEPTH: 11690 FEET

6. PERFORATIONS

11516 FEET TO: 11530 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)

"PERFORATED"

FORM C-108
SECTION VI
APPLICATION FOR AUTHORIZATION
TO INJECT

Parker & Parsley
Development L.P.

WATER INJECTION WELL
TABULATION OF WELL DATA

WELL DATA SHEET

**Parker & Parsley
Development L.P.**

SOUTHERN CALIFORNIA FEDERAL

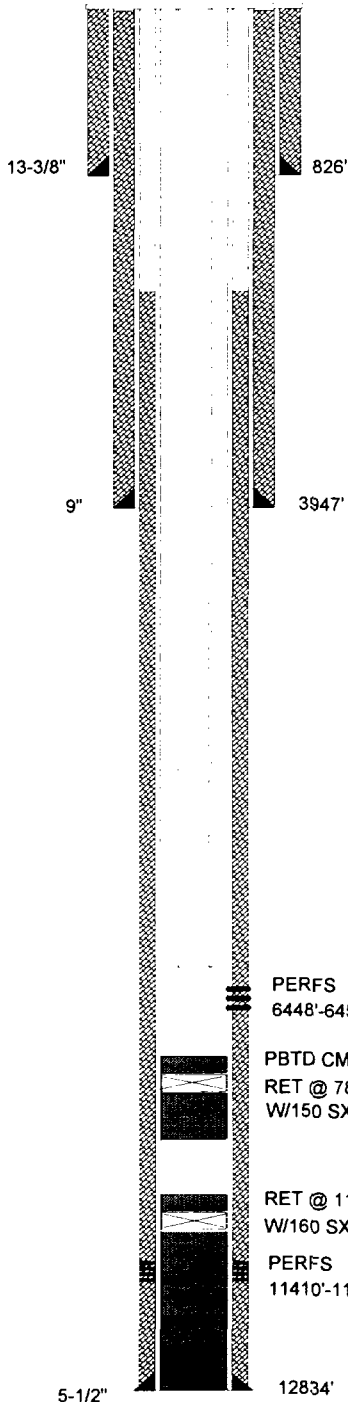
OPERATOR

LEASE

1	1980' FNL & 660' FEL	SEC-29	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PRODUCING OIL AND GAS WELL SPUD DATE: 3/23/62

SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 950 **SX**
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 9 INCHES CEMENTED WITH: 2725 **SX**
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 2140 **SX**
 TOC: 2450 FEET DETERMINED BY: est. top of cmt sqz.
 HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 12834 FEET

5. PERFORATIONS

6448 FEET TO: 6458 FEET
 (PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

PERFS
6448'-6458'

PBTD CMT @ 6850'
RET @ 7812'
W/150 SXS

RET @ 11292'
W/160 SXS

PERFS
11410'-11430'

FORM C-108
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APPLICATION FOR AUTHORIZATION
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**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

**Parker & Parsley
Development L.P.**

SOUTHERN CALIFORNIA FEDERAL

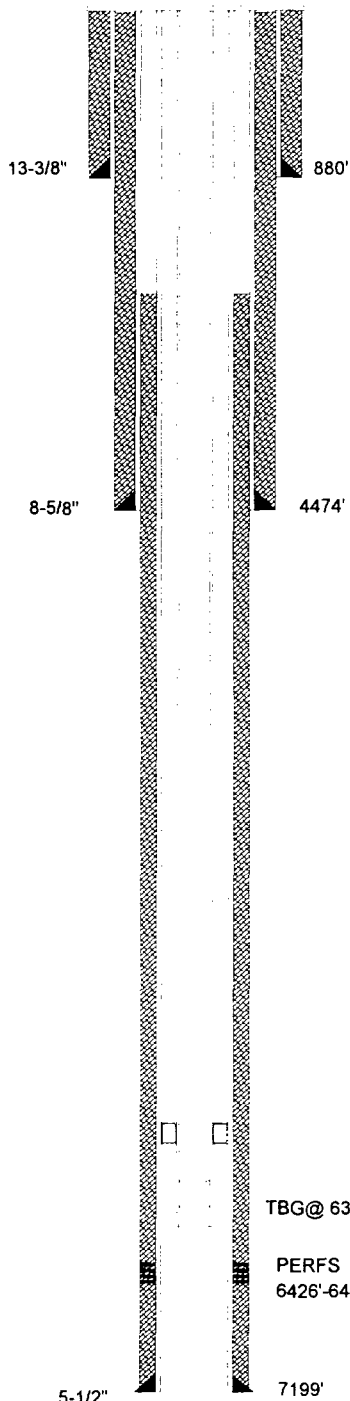
OPERATOR

LEASE

5	1980' FSL & 1980' FEL	SEC-29	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PRODUCING OIL AND GAS WELL SPUD DATE: 12/5/87

SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 735 **SX**
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 2350 **SX**
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 800 **SX**
 TOC: 4210 FEET DETERMINED BY: Cmt Bond Log
 HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 7200 FEET

5. PERFORATIONS

6426 FEET TO: 6444 FEET
 (PERFORATED OR OPEN HOLE ; INDICATE WHICH)
 "PERFORATED"

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

**Parker & Parsley
Development L.P.**

SOUTHERN CALIFORNIA FEDERAL

OPERATOR

LEASE

7

2210' FNL & 2260' FWL

SEC-29

T-19-S

R-32-E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

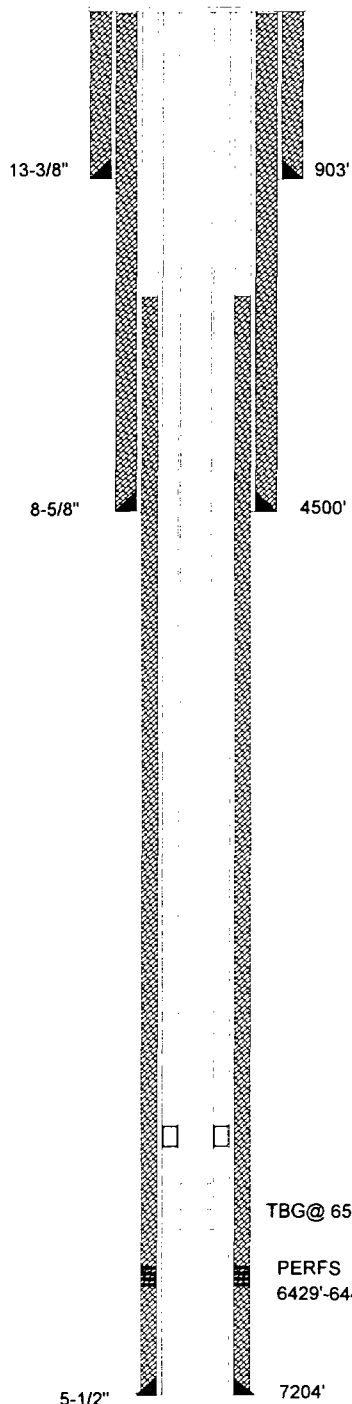
TYPE OF WELL:

PRODUCING OIL AND GAS WELL

SPUD DATE:

3/24/88

SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 735 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 2450 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 600 SX

TOC: 4000 FEET DETERMINED BY: Cmt Bond Log

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 7204 FEET

5. PERFORATIONS

6429 FEET TO: 6442 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

Parker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

**Parker & Parsley
Development L.P.**

SOUTHERN CALIFORNIA FEDERAL

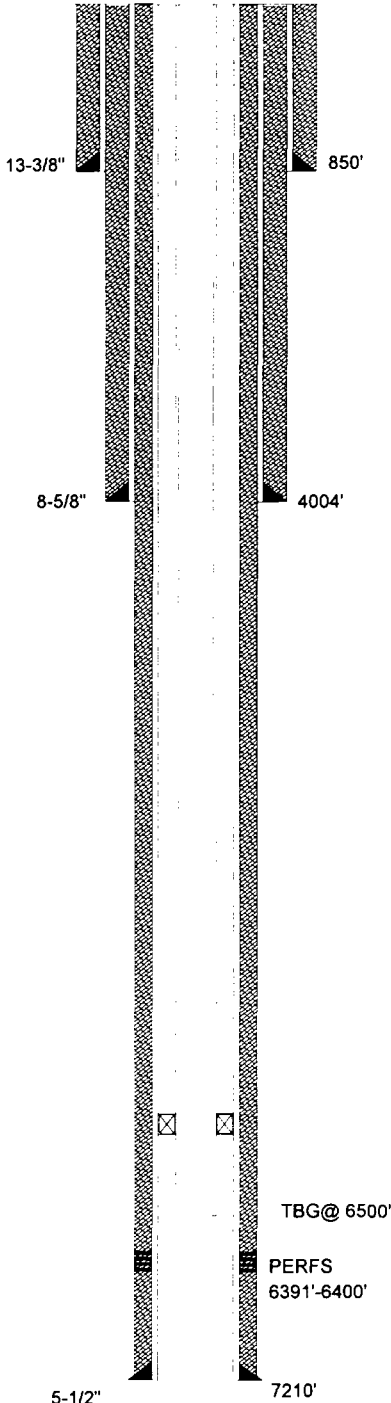
OPERATOR

LEASE

9	660' FWL & 1980' FSL	SEC-29	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PRODUCING OIL AND GAS WELL SPUD DATE: 7/21/96

SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 675 **SX**
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 1325 **SX**
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 11 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 1265 **SX**
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 7210 FEET

5. PERFORATIONS

6391 FEET TO: 6400 FEET
 (PERFORATED OR OPEN HOLE ; INDICATE WHICH)
 "PERFORATED"

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

TEXACO INC.

FEDERAL USA "J"

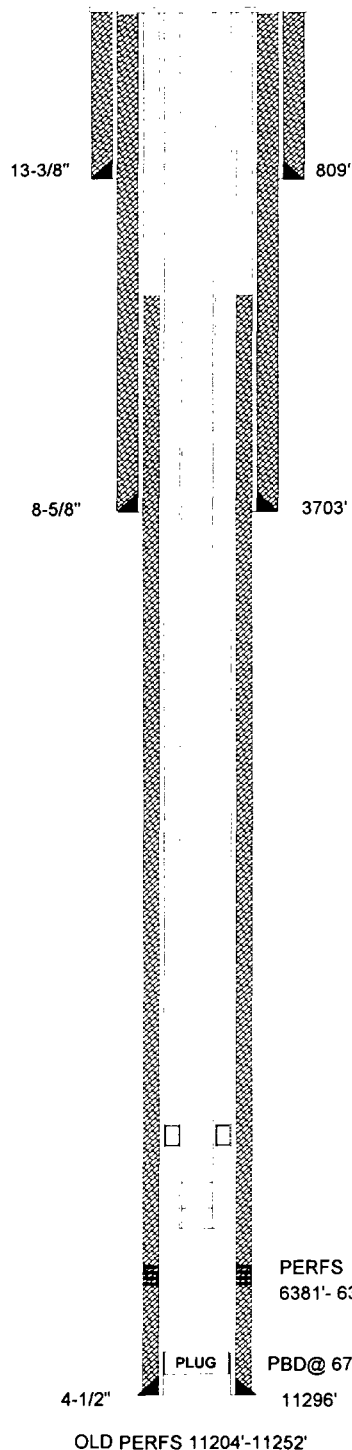
OPERATOR

LEASE

1	990' FSL & 660' FEL	SEC-30	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PRODUCING OIL AND GAS WELL SPUD DATE: 8/17/87

SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 300 sx

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 1810 sx

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 4-1/2 INCHES CEMENTED WITH: 600 sx

TOC: 2780 FEET DETERMINED BY: Calculated

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 11300 FEET

5. PERFORATIONS

6381 FEET TO: 6386 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

TEXACO INC.

FEDERAL USA "I"

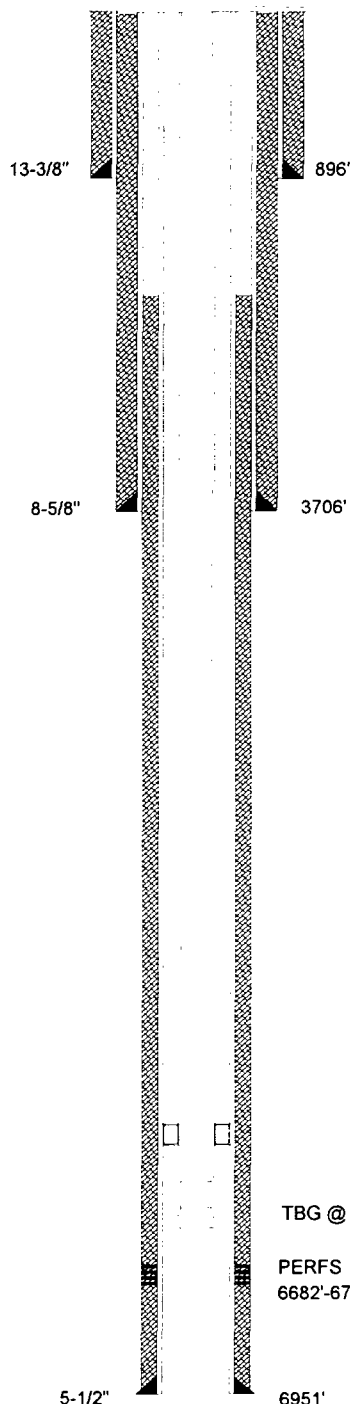
OPERATOR

LEASE

1	660' FNL & 660' FEL	SEC-31	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PRODUCING OIL AND GAS WELL SPUD DATE: 4/26/64

SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 350 sx
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 400 sx
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 1600 sx
 TOC: 2780 FEET DETERMINED BY: Calculated
 HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 6981 FEET

5. PERFORATIONS

6682 FEET TO: 6727 FEET
 (PERFORATED OR OPEN HOLE ; INDICATE WHICH)
 "PERFORATED"

FORM C-108
 SECTION VI

APPLICATION FOR AUTHORIZATION
 TO INJECT

**Parker & Parsley
 Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

TEXACO INC.

FEDERAL USA "J"

OPERATOR

LEASE

2

660' FSL & 385' FEL

SEC-30

T-19-S

R-32-E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

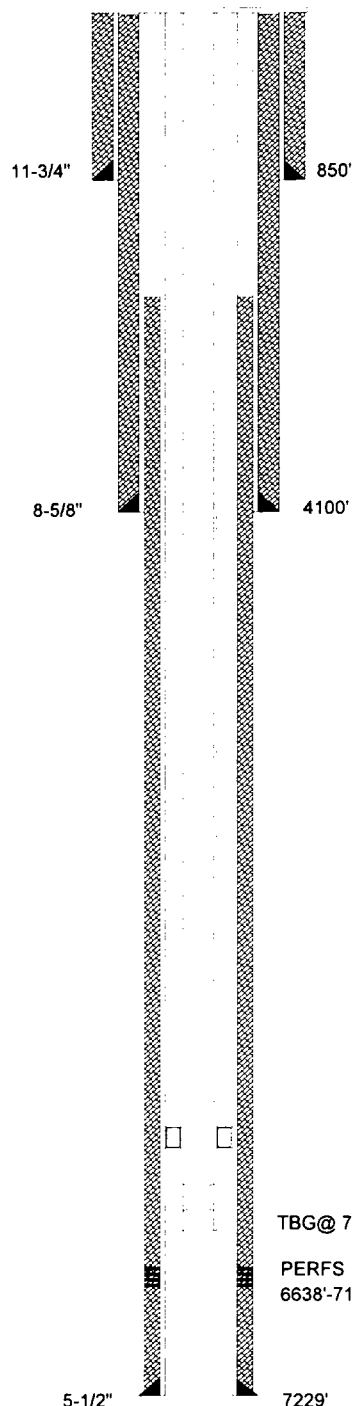
TYPE OF WELL:

PRODUCING OIL AND GAS WELL

SPUD DATE:

7/3/93

SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 11-3/4 INCHES CEMENTED WITH: 560 **SX**

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 2655 **SX**

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 900 **SX**

TOC: 3420 FEET DETERMINED BY: Calculated

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 7229 FEET

5. PERFORATIONS

6638 FEET TO: 7102 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

Parker & Parsley
Development L.P.

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

TEXACO INC.

FEDERAL USA "J"

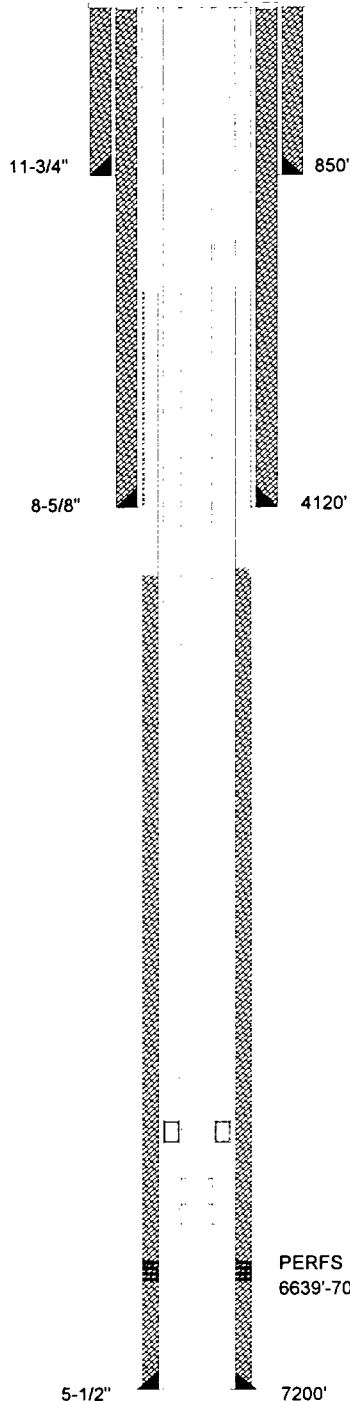
OPERATOR

LEASE

3	1980' FSL & 330' FEL	SEC-30	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PRODUCING OIL AND GAS WELL SPUD DATE: 6/26/94

SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 11-3/4 INCHES CEMENTED WITH: 650 **sx**

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 2075 **sx**

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 450 **sx**

TOC: 5310 FEET DETERMINED BY: Temp. Survey

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 7200 FEET

5. PERFORATIONS

6639 FEET TO: 7088 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

TEXACO INC.

NEW MEXICO "CR" STATE

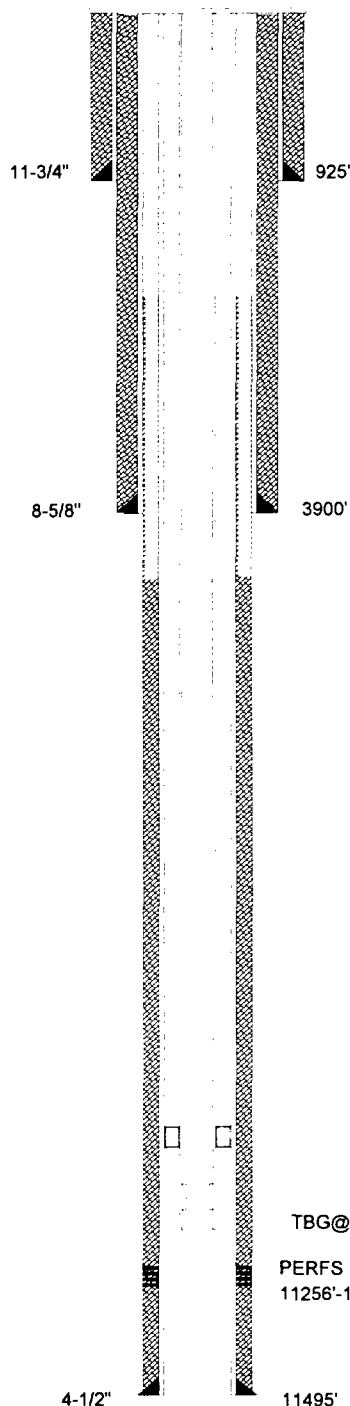
OPERATOR

LEASE

1	660' FNL & 660' FWL	SEC-32	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PRODUCING OIL AND GAS WELL SPUD DATE: 7/3/90

SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 11-3/4 INCHES CEMENTED WITH: 600 **sx**

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 600 **sx**

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 4-1/2 INCHES CEMENTED WITH: 300 **sx**

TOC: 6400 FEET DETERMINED BY: Calculated
Cmt Sqz Perfs & Leaks

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 11500 FEET

5. PERFORATIONS

11256 FEET TO: 11304 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

**Parker & Parsley
Development L.P.**

TEXACO-CITIES SERVICE COM.

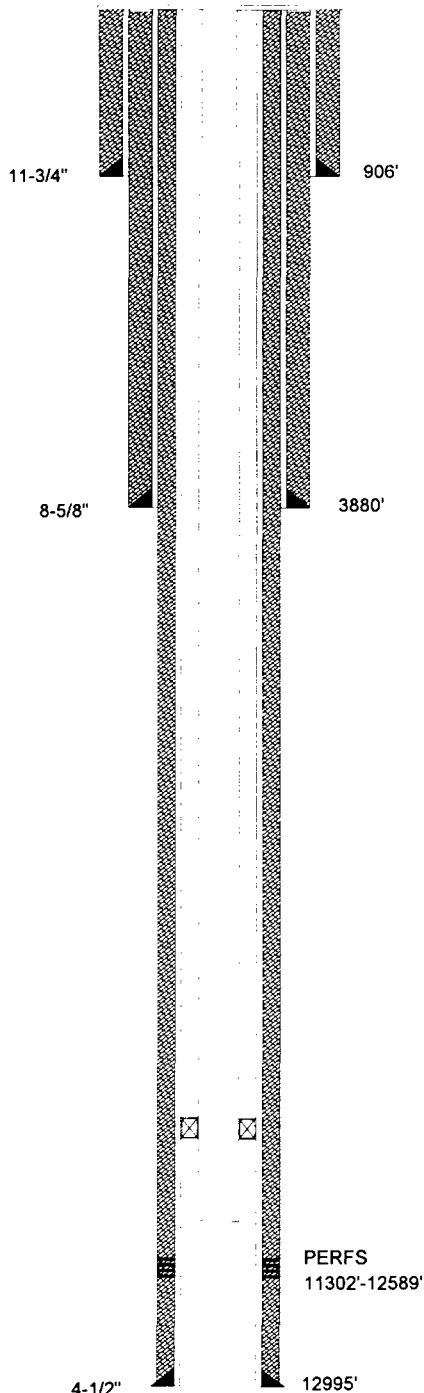
OPERATOR

LEASE

1	1980' FNL & 1980 FWL	SEC-32	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PRODUCING OIL AND GAS WELL SPUD DATE: 5/8/64

SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 11-3/4 INCHES CEMENTED WITH: 700 sx
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 750 sx
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 4-1/2 INCHES CEMENTED WITH: 2500 sx
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 13000 FEET

5. PERFORATIONS

11302 FEET TO: 12589 FEET
 (PERFORATED OR OPEN HOLE ; INDICATE WHICH)
 "PERFORATED"

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

**Parker & Parsley
Development L.P.**

SOUTHERN CALIFORNIA FEDERAL

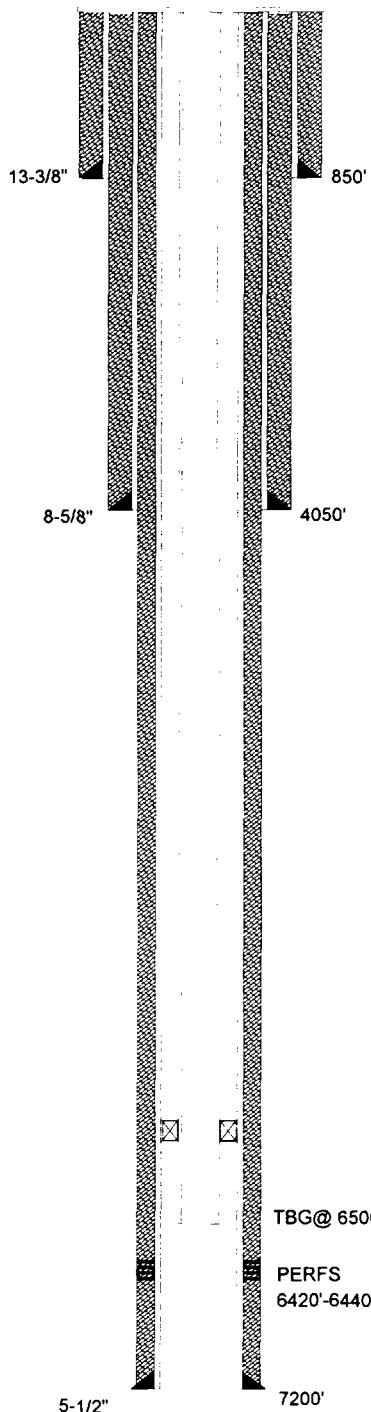
OPERATOR

LEASE

13	660' FSL & 660' FEL	SEC-29	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PRODUCING OIL AND GAS WELL	SPUD DATE: 1997
--	-----------------

SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 675 **sx**

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 1325 **sx**

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 1530 **sx**

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 7200 FEET

5. PERFORATIONS

6420 FEET TO: 6440 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

**Parker & Parsley
Development L.P.**

LUSK DEEP "A"

OPERATOR

LEASE

21

990' FSL & 660' FEL

SEC-20

T-19-S

R-32-E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

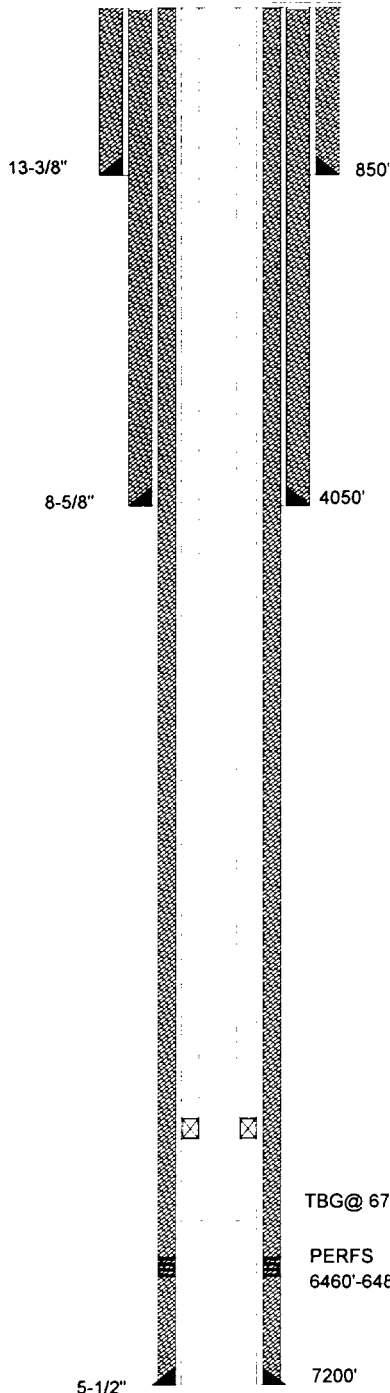
TYPE OF WELL:

PRODUCING OIL AND GAS WELL

SPUD DATE:

1997

SCHEMATIC



TABULAR DATA

1. SURFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 675 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 1325 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 1530 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 7200 FEET

5. PERFORATIONS

6460 FEET TO: 6480 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

**Parker & Parsley
Development L.P.**

LUSK DEEP "A"

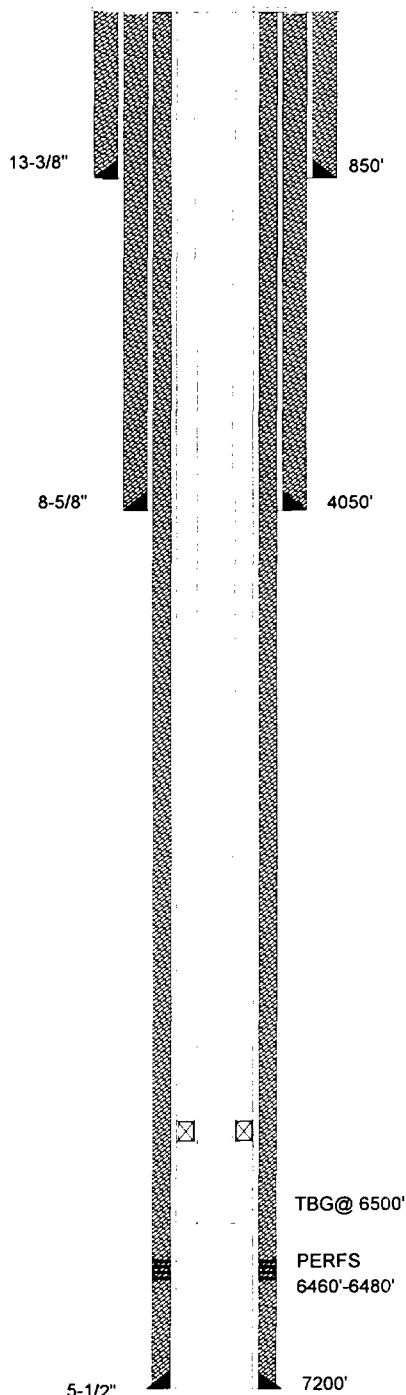
OPERATOR

LEASE

22	1650' FNL & 1640' FWL	SEC-20	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PRODUCING OIL AND GAS WELL SPUD DATE: 1997

SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 675 **SX**

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 1325 **SX**

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 1530 **SX**

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 7200 FEET

5. PERFORATIONS

6460 FEET TO: 6480 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

**Parker & Parsley
Development L.P.**

LUSK DEEP UNIT "A"

OPERATOR

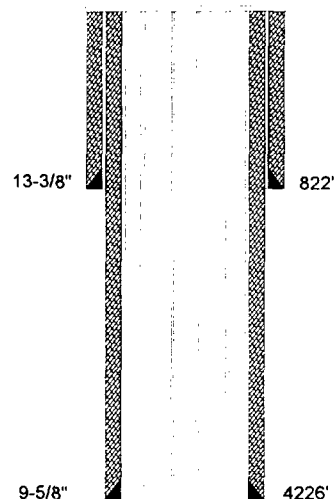
LEASE

4	1980' FSL & 1980' FEL	SEC-20	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PRODUCING OIL AND GAS WELL SPUD DATE: 10/5/62 RE-ENTRY 3/13/88

TABULAR DATA

SCHEMATIC



1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 1180 **sx**

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 9-5/8 INCHES CEMENTED WITH: 2365 **sx**

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

NOTE: 6/88 CUT AND PULLED 7185' OF 4-1/2 CSG

SIZE: 4-1/2 INCHES CEMENTED WITH: 300 **sx**

TOC: 10000 FEET DETERMINED BY: Circulated

HOLE SIZE: 7-7/8 INCHES

4. PRODUCTION STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 500 **sx**

TOC: 5595 FEET DETERMINED BY: Calculated

HOLE SIZE: 7-7/8 INCHES

5. TOTAL DEPTH: 11531 FEET

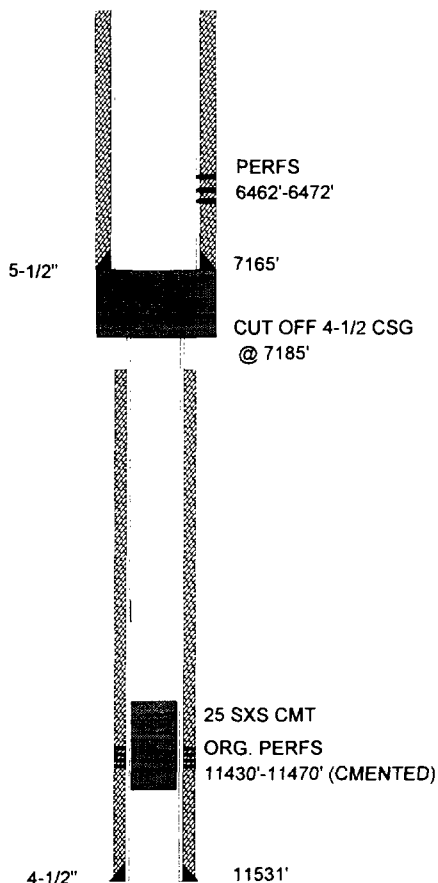
6. PERFORATIONS

6462 FEET TO: 6472 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

FORM C-108
SECTION VI
APPLICATION FOR AUTHORIZATION
TO INJECT

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL
TABULATION OF WELL DATA



WELL DATA SHEET

**Parker & Parsley
Development L.P.**

LUSK DEEP "A"

OPERATOR

LEASE

15

1651' FNL & 330' FEL

SEC-20

T-19-S

R-32-E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

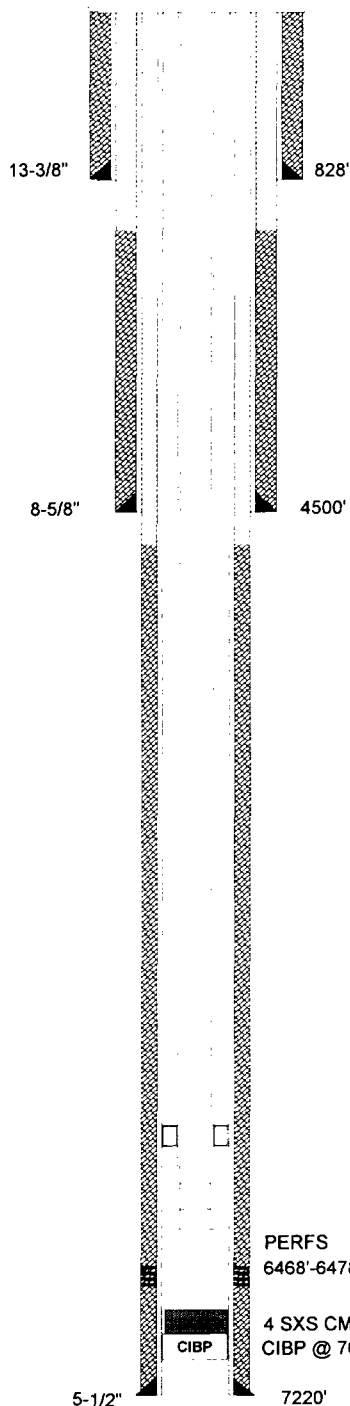
TYPE OF WELL:

PRODUCING OIL AND GAS WELL

SPUD DATE:

11/22/88

SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 1000 sx

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 700 sx

TOC: 2370 FEET DETERMINED BY: Temp. Survey

HOLE SIZE: 12-1/4 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 600 sx

TOC: 4690 FEET DETERMINED BY: Temp. Survey

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 7220 FEET

5. PERFORATIONS

6468 FEET TO: 6478 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

SHACKELFORD OIL

MOBIL FEDERAL

OPERATOR

LEASE

2

1650' FNL & 1650' FWL

SEC-21

T-19-S

R-32-E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

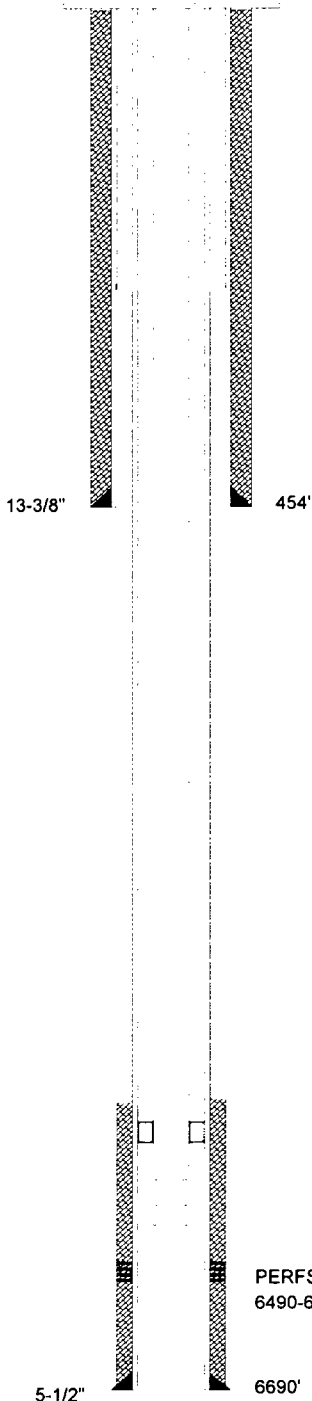
TYPE OF WELL:

PRODUCING OIL AND GAS WELL

SPUD DATE:

8/30/88

SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 475 **SX**

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: N/A INCHES CEMENTED WITH: N/A **SX**

TOC: N/A FEET DETERMINED BY: N/A

HOLE SIZE: N/A INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 165 **SX**

TOC: 5997 FEET DETERMINED BY: Calculation

HOLE SIZE: 11 & 7-7/8 INCHES

4. TOTAL DEPTH: 6690 FEET

5. PERFORATIONS

6490 FEET TO: 6495 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

**FORM C-108
SECTION VI**

**APPLICATION FOR AUTHORIZATION
TO INJECT**

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

SHACKELFORD OIL

LYNCH

OPERATOR

LEASE

3

678' FSL & 1992' FWL

SEC-21

T-19-S

R-32-E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

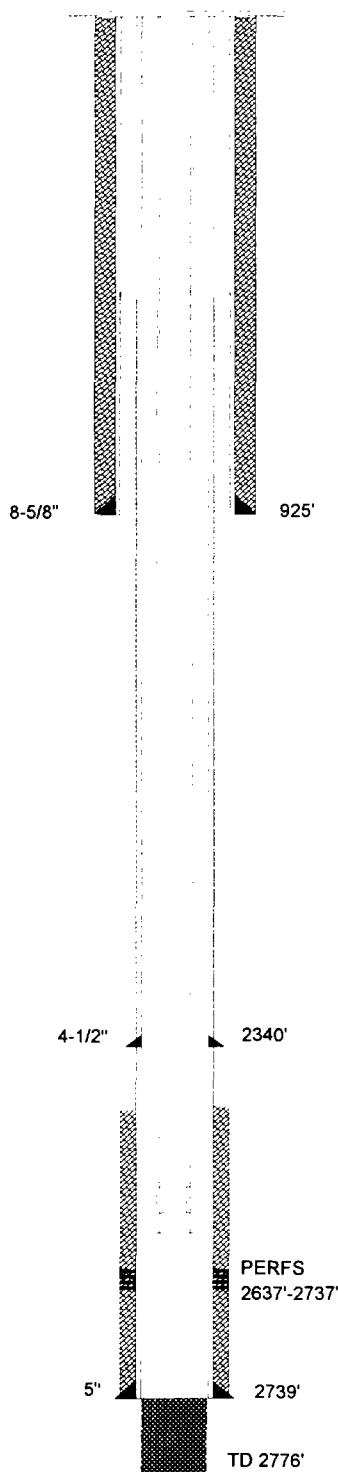
RANGE

TYPE OF WELL:

PRODUCING OIL AND GAS WELL

SPUD DATE: 11-14-42 RE-ENTRY 10-6-95

SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 50 SX

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 11 INCHES

2. INTERMEDIATE CASING

SIZE: N/A INCHES CEMENTED WITH: N/A SX

TOC: N/A FEET DETERMINED BY: N/A

HOLE SIZE: N/A INCHES

3. LONG STRING

SIZE: 4-1/2 & 5-1/2 INCHES CEMENTED WITH: 50 SX

TOC: 2400 FEET DETERMINED BY: Calculation

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 2776 FEET

5. PERFORATIONS

2637 FEET TO: 2737 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

**FORM C-108
SECTION VI**

**APPLICATION FOR AUTHORIZATION
TO INJECT**

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

SHACKELFORD OIL

BOWMAN

OPERATOR

LEASE

2

660' FNL & 1980' FWL

SEC-28

T-19-S

R-32-E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

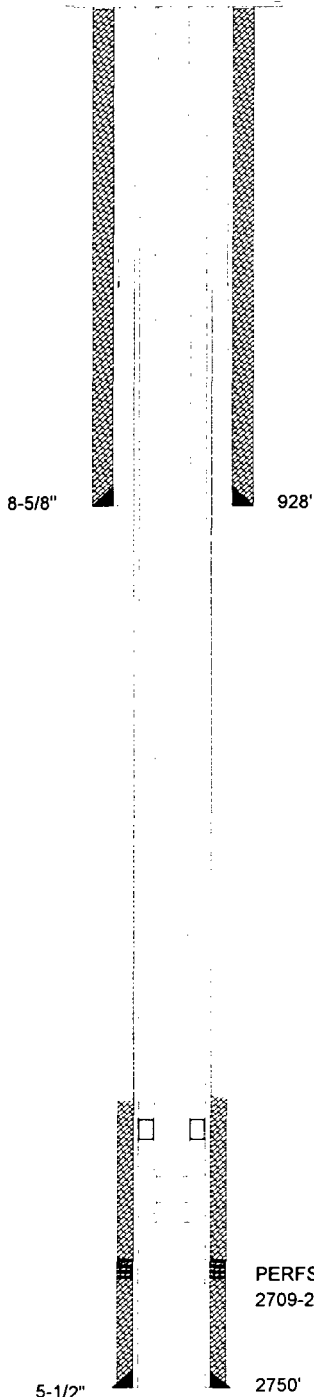
TYPE OF WELL:

PRODUCING OIL AND GAS WELL

SPUD DATE:

9/30/42

SCHEMATIC



TABULAR DATA

1. SUFACE CASING

SIZE: 8-5/8 INCHES CEMENTED WITH: 50 sx

TOC: Surface FEET DETERMINED BY: Circulated

HOLE SIZE: 11 INCHES

2. INTERMEDIATE CASING

SIZE: N/A INCHES CEMENTED WITH: N/A sx

TOC: N/A FEET DETERMINED BY: N/A

HOLE SIZE: N/A INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 50 sx

TOC: 2540 FEET DETERMINED BY: Calculated

HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 2771 FEET

5. PERFORATIONS

2709 FEET TO: 2750 FEET
(PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

FORM C-108
SECTION VI

APPLICATION FOR AUTHORIZATION
TO INJECT

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

WELL DATA SHEET

SHACKELFORD OIL

AMOCO FEDERAL

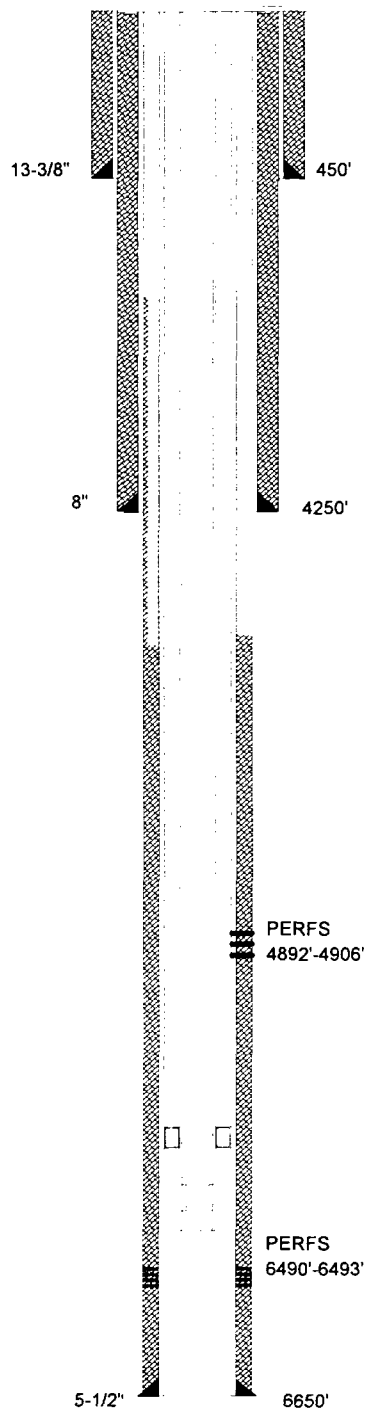
OPERATOR

LEASE

1	660' FNL & 330' FWL	SEC-21	T-19-S	R-32-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

TYPE OF WELL: PRODUCING OIL AND GAS WELL SPUD DATE: 9/23/88

SCHEMATIC



TABULAR DATA

1. SURFACE CASING

SIZE: 13-3/8 INCHES CEMENTED WITH: 475 **sx**
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 17-1/2 INCHES

2. INTERMEDIATE CASING

SIZE: 8 INCHES CEMENTED WITH: 2150 **sx**
 TOC: Surface FEET DETERMINED BY: Circulated
 HOLE SIZE: 11 INCHES

3. LONG STRING

SIZE: 5-1/2 INCHES CEMENTED WITH: 525 **sx**
 TOC: 4550 FEET DETERMINED BY: Temp. Survey
 HOLE SIZE: 7-7/8 INCHES

4. TOTAL DEPTH: 6650 FEET

5. PERFORATIONS

6490 FEET TO: 6493 FEET
 (PERFORATED OR OPEN HOLE ; INDICATE WHICH)
"PERFORATED"

**FORM C-108
SECTION VI**

**APPLICATION FOR AUTHORIZATION
TO INJECT**

**Parker & Parsley
Development L.P.**

WATER INJECTION WELL

TABULATION OF WELL DATA

DATA SHEET ON PROPOSED OPERATIONS

SECTION VII

FORM C-108

SECTION VII

- 1) Proposed Average Daily Injection Rate - 4500 BWIPD
Proposed Maximum Daily Injection Rate - 6000 BWIPD
- 2) This will be a closed system
- 3) Estimated Average Injection Pressure - 1300 psi
Estimated Maximum Injection Pressure - 1800 psi
- 4) See attached letter and chemical analysis
- 5) Does not apply.



P.O. BOX 2187
HOBBS, NEW MEXICO 88240

Telephone (505) 393-7728

December 10, 1996

Parker & Parsley
P.O. Box 3178
Midland, Tx. 79702

Attn: Britt Hirth

Dear Mr. Hirth,

According to reports, Parker & Parsley is planning to inject water at the Lusk West Delaware lease. Water from the Seven Rivers formation is going to be commingled with the Delaware water. When mixed these two waters show to have a Calcium Sulfate scaling tendency, thus making these two water incompatible.

Champion Technologies is recommending a scale inhibitor be injected continuously into the commingled injection water at a treating rate of 15 to 25 ppm. This treatment will inhibit the Calcium Sulfate scale from depositing in the injection wells and improve the quality of the injection water to acceptable levels. Compatibility tests with scale inhibitors and the injection water should be performed before a scale inhibitor is put in place.

If you have any questions please contact me in the Hobbs office.

Regards,

Kenny Kearney
Kenny Kearney

FORM C-108
SECTION VII
ITEM #4

709 W. INDIANA
MIDLAND, TEXAS 79701
PHONE 683-4521

RESULT OF WATER ANALYSES

LABORATORY NO.	896141
SAMPLE RECEIVED	8-16-96
RESULTS REPORTED	8-21-96

COMPANY Parker & Parsley LEASE Pronghorn SWD
FIELD OR POOL Lusk
SECTION BLOCK SURVEY COUNTY Lea STATE NM
SOURCE OF SAMPLE AND DATE TAKEN:

- NO. 1 Produced water - taken from inlet to gunbarrel. 8-16-96
 NO. 2 Produced water - taken from Southern California heater treater (water pump). 8-16-96
 NO. 3 Produced water - taken from outlet from gunbarrel. 8-16-96
 NO. 4 _____

REMARKS:

CHEMICAL AND PHYSICAL PROPERTIES				
	NO. 1	NO. 2	NO. 3	NO. 4
Specific Gravity at 60° F.	1.1436	1.1718		
pH When Sampled				
pH When Received	6.19	6.18		
Bicarbonate as HCO ₃	273	78		
Supersaturation as CaCO ₃	0	8		
Undersaturation as CaCO ₃	--	--		
Total Hardness as CaCO ₃	58,000	83,000		
Calcium as Ca	19,200	28,400		
Magnesium as Mg	2,430	2,916		
Sodium and/or Potassium	61,402	66,136		
Sulfate as SO ₄	960	384		
Chloride as Cl	134,936	160,503		
Iron as Fe	11.3	10.5		
Barium as Ba				
Turbidity, Electric				
Color as Pt				
Total Solids, Calculated	219,202	258,417		
Temperature °F.				
Carbon Dioxide, Calculated	301	86		
Dissolved Oxygen,				
Hydrogen Sulfide	0.0	0.0		
Resistivity, ohms/m at 77° F.	0.054	0.050		
Suspended Oil	--	--	1,027	
Filtrable Solids as mg/l				
Volume Filtered, ml				
Calcium Sulfate Scaling Tendency	None	None		
Calcium Sulfate Scaling Tendency	None	None		

Results Reported As Milligrams Per Liter

Additional Determinations And Remarks	The objective herein is to evaluate compatibility between these two waters. A careful study of the waters has revealed no evidence of any incompatibility, therefore, the mixing of these two waters would not be expected to cause any scaling potential or precipitation.
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Form No. 3

FORM C-108
SECTION VII
ITEM #4

By

Waylan C. Martin, M.A.

By

Martin Water Laboratories, Inc.

WATER CONSULTANTS SINCE 1953
BACTERIAL AND CHEMICAL ANALYSES

709 W. INDIANA
MIDLAND, TEXAS 79701
(915) 683-4521

P. O. BOX 1468
MONAHANS, TEXAS 79756
(915) 943-3234 or 563-1040

August 21, 1996

Mr. David Shrauner
Parker & Parsley
P.O. Drawer "E"
Kermit, TX 79745

Subject: Recommendations relative to laboratory #896140 (8-21-96), Lusk Deep #7 and Southern California #5 and #7.

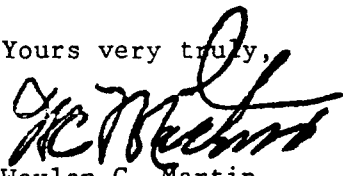
Dear Mr. Shrauner:

The objective herein is to evaluate compatibility between the waters from Lusk Deep #7 and both Southern California #5 and #7. A careful study in this regard has revealed the following:

1. We have made hypothetical combinations of these waters and find that essentially any mixture of these waters would be expected to result in a calcium sulfate scaling potential. However, as the proportion of the water from Lusk Deep #7 increases, we find a proportionate increase in calcium sulfate scaling potential. The most severe scaling potential resulted when we combined 75 percent of the water from Lusk Deep #7 with the other two waters.
2. The results reveal the presence of a slight amount of iron in both of the Southern California wells and hydrogen sulfide in Lusk Deep #7. This evidence indicates iron sulfide precipitation can be expected on the mixing of these waters. It should be understood that we would anticipate variations in the iron content in Southern California #5 and #7 and therefore variations in the amount of iron sulfide that would precipitate when mixed with Lusk Deep #7.
3. This study has revealed no evidence of any other potential incompatibility.

Based on the evidence revealed in this study, we would conclude that these waters are not compatible, and we would recommend the waters not be mixed on the surface nor should Lusk Deep #7 be injected into the zone represented by the Southern California wells.

Yours very truly,



Waylan C. Martin

WCM/mo

FORM C-108
SECTION VII
ITEM #4

GEOLOGICAL DATA SHEET

SECTION VIII

FORM C-108 SECTION VIII

Geological Summary

The Lusk West Delaware field is located in Lea county, New Mexico in TWN 19S RGE 32E. As of April 30, 1996 there were 31 (seven inactive) wells producing approximately 9,441 BBLs/Mo, 16,950 MCF/Mo and 13,480 BW/Mo. The field's current producing gas-oil ratio is at 1,795 SCF/BBL as of April 1996. Cumulative production as of April 1996 for the field is 2,106.3 MBBLS, 4,367.3 MMCF and 1,789.8 MBW. Production comes mainly from the 6400' zone in the Delaware Brushy Canyon. There are several other Delaware Brushy Canyon zones including the 4900' sand, 5500' sand, 6650' sand, 7050' sand and the 7200' sand. These zones have contributed about 587 MBBLS & 1,029.2 MMCF. The proposal is to only Waterflood the 6400' sand interval. The wells that contributed to the 6400' zone have produced about 1,519 MBBLS, 3,338.1 MMCF and 1,281 MBW.

The 6400' zone is a deep marine turbidite fan system that runs primarily north-south along the slope break. The sandstone body varies in thickness from 0 to 35+ feet. The sand averages about 22 feet thick. A mineralogic and Petrographic analysis was performed by Western Atlas's Core Laboratories on the Damson Oil Corp. Southern California Federal #7. The following is the results of their analysis.

The sandstone is described as a subarkosic feldspathic sandstone that is fairly well sorted, ranges from very angular to rounded, is mature in texture, is random in grain orientation and has point, floating, straight, concavo-convex grain contacts. The sandstone is primarily composed of monocrystalline quartz, potassium feldspar, dolomite rock fragments, plagioclase and polycrystalline quartz. There is no rock matrix present. The cement is common to abundant, is finely disseminated with fine crystalline dolomite and patches of anhydrite. There is an abundance of intergranular pores, uncommon grain-moldic pores, rare intergranular and very small pores associated with dolomite rock fragments and dolomite cements. No authigenic clays are present, there is no evidence of sedimentary structures, the pore network is very well interconnected and fractures are not present.

The 6400' Delaware sand exhibits both stratigraphic and structural trapping mechanisms and characteristics. The Lusk West field trends structurally down dip in the easterly direction. There are two visible structural high's setting up a nose in which the thickest portion of the sand body is present. There appears to be an oil-water contact at approximately -2,900' on the down dip side. The up dip extent of field is delineated by sandstone fans that thins in a westerly direction to zero. These fans appear separated by a tight clay rich margin that trends SE to NW across the southern half of Sec. 20.

INJECTION WELL STIMULATION PROGRAM

SECTION IX

FORM C-108

SECTION IX

There will be a small clean up acid job only for each injection well.

LOGGING AND TEST DATA

SECTION X

FORM C-108

SECTION X

Original logs previously submitted with C-102.

CHEMICAL ANALYSIS OF FRESH WATER

SECTION XI

FORM C-108

SECTION XI

There is no known beneficially used fresh water. Water from the Santa Rosa formation is not of sufficient supply and areal extent to justify drilling of water wells. Livestock is watered by private co-ops and pipeline.

AFFIRMATIVE STATEMENT

SECTION XII

FORM C-108

SECTION XII

Not applicable due to nature of the Secondary Recovery application, this section does not apply.

PROOF OF NOTICE

SECTION XIII

OFFSET OPERATORS

Section 16, T-19-S, R-32-E

Lusk State 16 #1

Ray Westall Operating, Inc.
P.O. Box 4
Loco Hills, NM 88255

Section 17, T-19-S, R-32-E

Aqueduct AGG Federal #1

Marbob Energy Corporation
324 W. Main
Artesia, NM 88210

Section 21, T-19-S, R-32-E

Lynch #3

Shackelford Oil Company
203 W. Wall
Midland, TX 79701

Plains Federal X #4

Parker & Parsley Development L.P.

Section 28, T-19-S, R-32-E

Bowman #2

Shackelford Oil Company

Plains Unit #2

Parker & Parasley Development L.P.

Plains Unit Federal #3Y

Section 30, T-19-S, R-32-E

Federal USA #1J, #2J & #3J

Texaco Exploration and Production, Inc.
P.O. Box 3109
Midland, TX 79702

Section 31, T-19-S, R-32-E

Federal USA #1

Texaco Exploration and Production, Inc.

Section 32, T-19-S, R-32-E

New Mexico CR State #1

Texaco Exploration and Production, Inc.

Foran NF State #1

Parker & Parsley Development L.P. &
Matador Operating Company
8340 Meadow Road, Ste. 158, Pecan Creek
Dallas, TX 75231

Texaco-Cities Service St Com #1

Parker & Parsley Development L.P.

SURFACE OWNER

Section 20, T-19-S, R-32-E

Bureau of Land Management
1474 Rodeo Dr.
Santa Fe, NM 87505

Section 21, T-19-S, R-32-E

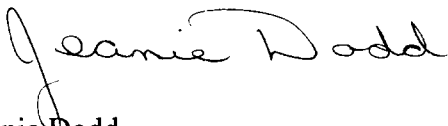
Bureau of Land Management

Section 29, T-19-S, R-32-E

Bureau of Land Management

A letter and a copy of the Form C-108 has been furnished to the surface owner and offset leasehold operators. I certify this to be true and correct.

Parker & Parsley Development L.P.



Jeanie Dodd
Proration Analyst

FORM C-108

SECTION XIII



PARKER & PARSLEY
PETROLEUM USA, INC.

P. O. Box 3178 • Midland, Texas 79702-3178
303 West Wall • Suite 101 • Midland, Texas 79701
915/683-4768

December 12, 1996

Ray Westall Operating, Inc.
P. O. Box 4
Loco Hills, NM 88255

RE: Application for Authorization to Inject
Lusk West (Delaware) Unit
Lusk Deep Unit A No. 12, 14, 17, 20
Southern Cal. Fed. No. 4, 6, 10, 11, 12
S.A. Bowman Federal No. 5
Amoco Federal No. 2
Mobil Federal No. 1 and 4
Lea County, New Mexico

Gentlemen:

Parker & Parsley Development L.P. is applying to the Oil Conservation Division for authorization of a water injection project for secondary recovery of hydrocarbons utilizing these subject wells as injectors.

The Oil Conservation Division requires that the attached information be sent to all offset operators and the surface owner.

Sincerely,

PARKER & PARSLEY DEVELOPMENT L.P.

Jeanie Dodd
Proration Analyst

Enclosures



PARKER & PARSLEY

PETROLEUM USA, INC.

P. O. Box 3178 • Midland, Texas 79702-3178
303 West Wall • Suite 101 • Midland, Texas 79701
915/683-4768

December 12, 1996

Marbob Energy Corporation
324 W. Main
Artesia, NM 88210

RE: Application for Authorization to Inject
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P. O. Box 3178 • Midland, Texas 79702-3178
303 West Wall • Suite 101 • Midland, Texas 79701
915/683-4768

December 12, 1996

Shackelford Oil Company
203 W. Wall
Midland, TX 79701

RE: Application for Authorization to Inject
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Lusk Deep Unit A No. 12, 14, 17, 20
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P. O. Box 3178 • Midland, Texas 79702-3178
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December 12, 1996

Texaco Exploration and Production, Inc.
P. O. Box 3109
Midland, TX 79702

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PETROLEUM USA, INC.

P. O. Box 3178 • Midland, Texas 79702-3178
303 West Wall • Suite 101 • Midland, Texas 79701
915/683-4768

December 12, 1996

Matador Operating Company
8340 Meadow Road, Ste. 158
Pecan Creek
Dallas, TX 75231

RE: Application for Authorization to Inject
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Lusk Deep Unit A No. 12, 14, 17, 20
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