pKRV0201440659 SWD 1/25/02

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL
RESOURCES DEPARTMENT

**Oil Conservation Division**
**1220 South St. Francis Dr.**
**Santa Fe, New Mexico 87505**

FORM C-108
Revised 4-1-98

## APPLICATION FOR AUTHORIZATION TO INJECT

I. PURPOSE: _____Secondary Recovery _____Pressure Maintenance __X__Disposal _____Storage
Application qualifies for administrative approval? __X__Yes _____No

II. OPERATOR: Fulfer Oil & Cattle Company, LLC

ADDRESS: P.O. Box 578 Jal, NM 88252 (505)395-2927

CONTACT PARTY: Eddie M. Seay, Agent PHONE: (505)392-2236

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 __X__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:

JAN [illegible] 2[illegible]

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 geologic data on the injection zone including appropriate lithologic detail, geologic 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 sources 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 sources 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: Eddie M. Seay TITLE: Agent

SIGNATURE: Eddie M Seay DATE: 1/3/2002

* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: _____

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate District Office

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 the 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, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

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

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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.

Side I

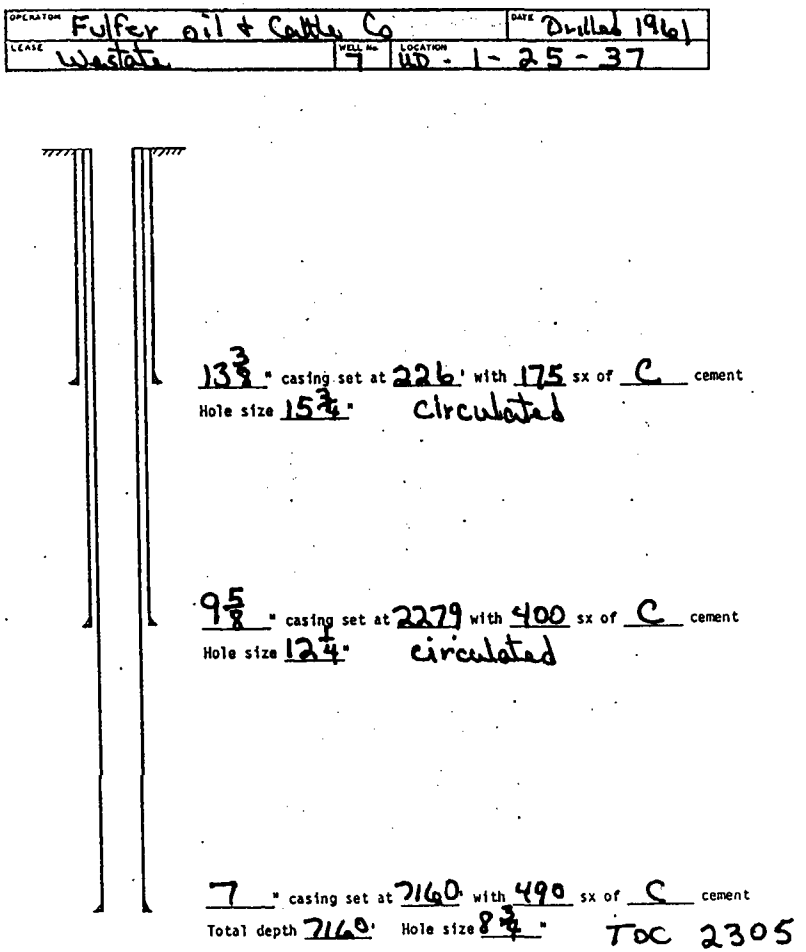
# INJECTION WELL DATA SHEET

OPERATOR: Fulfer Oil & Cattle Co. LLC

WELL NAME & NUMBER: Westate Federal #7 (30-025-11392)

| WELL LOCATION: | 530 FNL 330 FWL | D | 1 | 25 S. | 37 E. |
|---|---|---|---|---|---|
| | FOOTAGE LOCATION | UNIT LETTER | SECTION | TOWNSHIP | RANGE |

## *WELLBORE SCHEMATIC*




## *WELL CONSTRUCTION DATA*

### Surface Casing

Hole Size: 15 3/4" Casing Size: 13 3/8"

Cemented with: 175 sx. *or* _____ ft³

Top of Cement: circulated Method Determined: records

### Intermediate Casing

Hole Size: 12 1/4" Casing Size: 9 5/8"

Cemented with: 400 sx. *or* _____ ft³

Top of Cement: circulated Method Determined: records

### Production Casing

Hole Size: 8 3/4" Casing Size: 7"

Cemented with: 490. sx. *or* _____ ft³

Top of Cement: 2305' Method Determined: Temp Survey

Total Depth: 7160'

### Injection Interval

5430 feet to 7050

(Perforated or Open Hole; indicate which)

## INJECTION WELL DATA SHEET

Tubing Size: 3" Lining Material: Plastic lined

Type of Packer: 7" X 3 " Double grip Baker AD-1

Packer Setting Depth: 5400'

Other Type of Tubing/Casing Seal (if applicable): NA

Additional Data

1. Is this a new well drilled for injection? _____Yes __X__No

   If no, for what purpose was the well originally drilled? Oil & Gas production

2. Name of the Injection Formation: Blinebry/Fusselman

3. Name of Field or Pool (if applicable): Justice

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. No

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: Deeper zone is the Devonian. Shallower zone is the Glorieta.

VI. List of wells in area of review with data attached.

VII. 1) The proposed average volume of fluids to be injected will be 2000 bbls/day. The maximum daily rate would be 2500 bbls/day.
2) The system will be open.
3) The proposed average injection pressure would be 750#. The maximum would be 1200# psi.
4) The injection fluids will be produced waters from various leases in the area. Produced water information attached.

VIII. The proposed injection zones are the Blinebry which is found at depths from 5434' to 5510' and the Fusselman formation from 7000' to 7048'. There are no fresh water sources in the area. Find attached State Engineers records.

IX. Only acid as needed.

X. Logs on file with OCD.

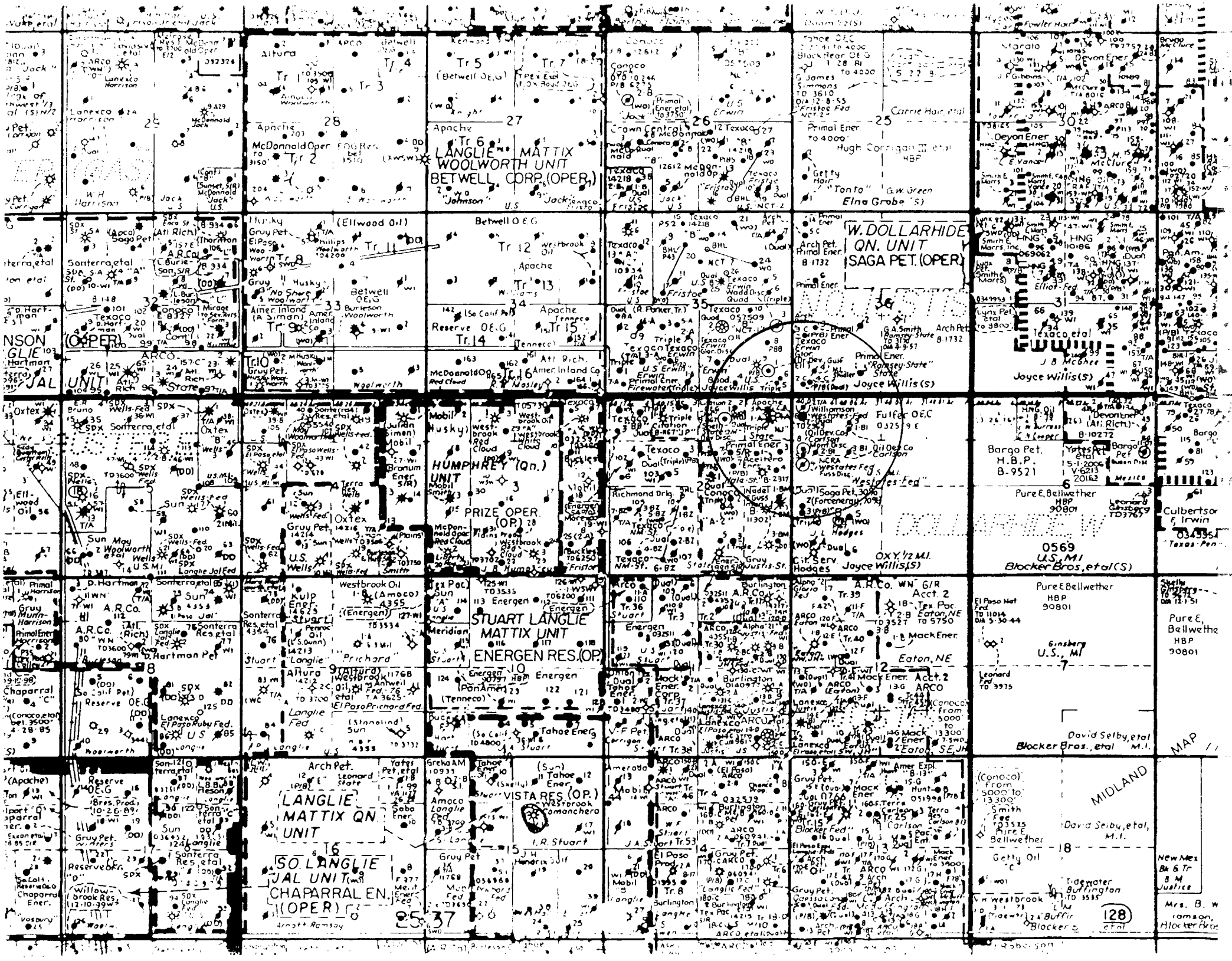
XI. Attached are State Engineers records, no water wells found.

XII. I, Eddie W. Seay of Eddie Seay Consulting, 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 sources of drinking water concerning the Westate Federal #7.

Eddie W. Seay

XIII. Proofs of Notice attached.

XIV. Find attached.


LANGLIE MATTIX WOOLWORTH UNIT
BETWELL, CORP. (OPER.)
W. DOLLARHIDE QN. UNIT
SAGA PET. (OPER.)
HUMPHREY (Qn.) UNIT
PRIZE OPER. (OP.)
STUART LANGLIE MATTIX UNIT
ENERGEN RES. (OP.)
LANGLIE MATTIX QN UNIT
SO. LANGLIE JAL UNIT
CHAPARRAL EN. (OPER.)
VISTA RES. (OP.)
MIDLAND
MAP

**NOTICE**

Fulfer Oil & Cattle Company LLC
P.O. Box 578
Jal, NM 88252
(505)395-2927

January 3, 2002

RE: Westate Federal #7
Sect. 1, Tws. 25 S., Rng. 37 E.
Lea Co., NM

Dear Sirs:

In accordance with the Rules and Regulations of the Oil Conservation Division of the State of New Mexico, you are being provided a copy of the Application for Authorization to Inject on the above captioned well.

Any questions about the application may be directed to Eddie W. Seay, (505)392-2236. Objections or request for hearing must be filed 15 days from the above date, Oil Conservation Division, Box 6429, 1220 South Saint Francis Drive, Santa Fe, NM.

Sincerely,

Eddie W. Seay, Agent

**NOTICE LIST**

Mr. & Mrs. George Willis - Landowner
P.O. Box 307
Jal, NM 88252

Bureau of Land Management
P.O. Box 1778
Carlsbad, NM 88221-1778

Texaco Exploration & Production, Inc.
P.O. Box 3109
Midland, TX 79702

Citation Oil & Gas Corp.
P.O. Box 690688
Houston, TX 77269-0688

Exxon Corp.
Box 1600
Midland, TX 79702

Primal Energy Corp.
222 Pennbright, Suite 116
Houston, TX 77090

Apache Corp.
2000 Post Oak Blvd., Suite 100
Houston, TX 77056-4400

Fulfer Oil & Cattle Co.
P.O. Box 578
Jal, NM 88252

Arch Petroleum, Inc.
10 Desta Dr., Ste. 420E
Midland, TX 79705

Mark L. Shidler, Inc.
1010 Lamar St., Ste. 500
Houston, TX 77002

# Affidavit of Publication

STATE OF NEW MEXICO )
) ss.
COUNTY OF LEA )

Joyce Clemens being first duly sworn on oath deposes and says that she is Advertisting Director of **THE LOVINGTON DAILY LEADER**, a daily newspaper of general paid circulation published in the English language at Lovington, Lea County, New Mexico; that said newspaper has been so published in such county continuously and uninterruptedly for a period in excess of Twenty-six (26) consecutive weeks next prior to the first publication of the notice hereto attached as hereinafter shown; and that said newspaper is in all things duly qualified to publish legal notices within the meaning of Chapter 167 of the 1937 Session Laws of the State of New Mexico.

That the notice which is hereto attached, entitled

Legal Notice

was published in a regular and entire issue of **THE LOVINGTON DAILY LEADER** and not in any supplement thereof, for one (1) day, beginning with the issue of December 21, 2001 and ending with the issue of December 21, 2001.

And that the cost of publishing said notice is the sum of $ 18.68 which sum has been (Paid) as Court Costs.

Joyce Clemens

Subscribed and sworn to before me this 7th day of January 2002.

Debbie Schilling

Debbie Schilling
Notary Public, Lea County, New Mexico
My Commission Expires June 22, 2002

LEGAL NOTICE
Pursuant to the rules and regulations of the Oil Conservation Division of the State of New Mexico, Fulfer Oil and Cattle Company, P.O. Box 578, Jal, NM 88252, is filing an application for a salt water disposal. The well applying for is the Westate Federal #7, located in Unit D, Section 1, Township 25 S, Range 37 E., 530 FNL and 330 FWL near Jal, NM in Lea Co. The injection formation is the Blinebry/Fusselman from 5430' to 7050', below the surface. Expected maximum injection rate is 2000 bls. per day and the expected maximum injection pressure is approximately 750#. Any questions about the application can be directed to Eddie W. Seay, (505)392-2236, or any objections or request for hearing must be directed to the Oil Conservation Division, Box 6429, 1220 S. Saint Francis Drive, Santa Fe, NM 87504 within fifteen (15) days.
Published in the Lovington Daily Leader December 21, 2001.

U.S. Postal Service
**CERTIFIED MAIL RECEIPT**
*(Domestic Mail Only; No Insurance Coverage Provided)*

7099 3220 0002 3941 0242

Article Sent To:
JAL, NM 88252

| | | |
|---|---|---|
| Postage | $ 1.95 | UNIT ID: 0640 |
| Certified Fee | 2.10 | |
| Return Receipt Fee (Endorsement Required) | 1.50 | Postmark Here |
| Restricted Delivery Fee (Endorsement Required) | | HOBBS NM Clerk: KNTKB4 JAN 2002 01/07/02 |
| Total Postage & Fees | $ 5.55 | |

Name (Please Print Clearly) (To be completed by mailer)
Mr. & Mrs. George Wills
Street, Apt. No.; or PO Box No.
P.O. Box 307
City, State, ZIP+ 4
Jal, NM 88252

PS Form 3800, July 1999 See Reverse for Instructions

U.S. Postal Service
**CERTIFIED MAIL RECEIPT**
*(Domestic Mail Only; No Insurance Coverage Provided)*

7099 3220 0002 3941 0249

Article Sent To:
CARLSBAD, NM 88221

| | | |
|---|---|---|
| Postage | $ 1.95 | UNIT ID: 0640 |
| Certified Fee | 2.10 | |
| Return Receipt Fee (Endorsement Required) | 1.50 | HOBBS NM Postmark Here Clerk: KNTKB4 JAN 2002 01/07/02 |
| Restricted Delivery Fee (Endorsement Required) | | |
| Total Postage & Fees | $ 5.55 | |

Name (Please Print Clearly) (To be completed by mailer)
Bureau of Land Management
Street, Apt. No.; or PO Box No.
P.O. Box 1778
City, State, ZIP+ 4
Carlsbad, NM 88221-1778

PS Form 3800, July 1999 See Reverse for Instructions

U.S. Postal Service
**CERTIFIED MAIL RECEIPT**
*(Domestic Mail Only; No Insurance Coverage Provided)*

7099 3220 0002 3941 0256

Article Sent To:
MIDLAND, TX 79702

| | | |
|---|---|---|
| Postage | $ 1.95 | UNIT ID: 0640 |
| Certified Fee | 2.10 | |
| Return Receipt Fee (Endorsement Required) | 1.50 | Postmark Here |
| Restricted Delivery Fee (Endorsement Required) | | HOBBS NM Clerk: KNTKB4 JAN 2002 01/07/02 |
| Total Postage & Fees | $ 5.55 | |

Name (Please Print Clearly) (To be completed by mailer)
Texaco Exploration & Production, Inc.
Street, Apt. No.; or PO Box No.
P.O. Box 3109
City, State, ZIP+ 4
Midland, TX 79702

PS Form 3800, July 1999 See Reverse for Instructions

U.S. Postal Service
**CERTIFIED MAIL RECEIPT**
*(Domestic Mail Only; No Insurance Coverage Provided)*

7099 3220 0002 3941 0263

Article Sent To:
HOUSTON, TX 77269

| | | |
|---|---|---|
| Postage | $ 1.95 | UNIT ID: 0640 |
| Certified Fee | 2.10 | |
| Return Receipt Fee (Endorsement Required) | 1.50 | Postmark Here |
| Restricted Delivery Fee (Endorsement Required) | | HOBBS NM Clerk: KNTKB4 JAN 2002 01/07/02 |
| Total Postage & Fees | $ 5.55 | |

Name (Please Print Clearly) (To be completed by mailer)
Citation Oil & Gas Corp.
Street, Apt. No.; or PO Box No.
P.O. Box 690688
City, State, ZIP+ 4
Houston, TX 77269-0688

PS Form 3800, July 1999 See Reverse for Instructions

U.S. Postal Service
**CERTIFIED MAIL RECEIPT**
*(Domestic Mail Only; No Insurance Coverage Provided)*

7099 3220 0002 3941 0270

Article Sent To:
MIDLAND, TX 79702

| | | |
|---|---|---|
| Postage | $ 1.95 | UNIT ID: 0640 |
| Certified Fee | 2.10 | |
| Return Receipt Fee (Endorsement Required) | 1.50 | Postmark Here |
| Restricted Delivery Fee (Endorsement Required) | | HOBBS NM Clerk: KNTKB4 JAN 2002 01/07/02 |
| Total Postage & Fees | $ 5.55 | |

Name (Please Print Clearly) (To be completed by mailer)
Exxon Corp.
Street, Apt. No.; or PO Box No.
Box 1600
City, State, ZIP+ 4
Midland, TX 79702

PS Form 3800, July 1999 See Reverse for Instructions

U.S. Postal Service
**CERTIFIED MAIL RECEIPT**
*(Domestic Mail Only; No Insurance Coverage Provided)*

Article Sent To:
HOUSTON, TX 77090

| | |
|---|---|
| Postage | $ 1.95 |
| Certified Fee | 2.10 |
| Return Receipt Fee (Endorsement Required) | 1.50 |
| Restricted Delivery Fee (Endorsement Required) | |
| Total Postage & Fees | $ 5.55 |

UNIT ID: 0640
Postmark Here
Clerk: KNTKB4
01/07/02

7099 3220 0002 3941 0294

Name (Please Print Clearly) (To be completed by mailer)
Primal Energy Corp.
Street, Apt. No.; or PO Box No.
222 Pennbright, Suite 116
City, State, ZIP+4
Houston, TX 77090

PS Form 3800, July 1999 See Reverse for Instructions

U.S. Postal Service
**CERTIFIED MAIL RECEIPT**
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Article Sent To:
HOUSTON, TX 77056

| | |
|---|---|
| Postage | $ 1.95 |
| Certified Fee | 2.10 |
| Return Receipt Fee (Endorsement Required) | 1.50 |
| Restricted Delivery Fee (Endorsement Required) | |
| Total Postage & Fees | $ 5.55 |

UNIT ID: 0640
Postmark Here
Clerk: KNTKB4
01/07/02

7099 3220 0002 3941 0294

Name (Please Print Clearly) (To be completed by mailer)
Apache Corp.
Street, Apt. No.; or PO Box No.
2000 Post Oak Blvd., Suite 100
City, State, ZIP+4
Houston, TX 77056-4400

PS Form 3800, July 1999 See Reverse for Instructions

U.S. Postal Service
**CERTIFIED MAIL RECEIPT**
*(Domestic Mail Only; No Insurance Coverage Provided)*

Article Sent To:
JAL, NM 88252

| | |
|---|---|
| Postage | $ 1.95 |
| Certified Fee | 2.10 |
| Return Receipt Fee (Endorsement Required) | 1.50 |
| Restricted Delivery Fee (Endorsement Required) | |
| Total Postage & Fees | $ 5.55 |

UNIT ID: 0640
Postmark Here
Clerk: KNTKB4
01/07/02

7099 3220 0002 3941 0300

Name (Please Print Clearly) (To be completed by mailer)
Fulfer Oil & Cattle Co.
Street, Apt. No.; or PO Box No.
P.O. Box 578
City, State, ZIP+4
Jal, NM 88252

PS Form 3800, July 1999 See Reverse for Instructions

U.S. Postal Service
**CERTIFIED MAIL RECEIPT**
*(Domestic Mail Only; No Insurance Coverage Provided)*

Article Sent To:
MIDLAND, TX 79705

| | |
|---|---|
| Postage | $ 1.95 |
| Certified Fee | 2.10 |
| Return Receipt Fee (Endorsement Required) | 1.50 |
| Restricted Delivery Fee (Endorsement Required) | |
| Total Postage & Fees | $ 5.55 |

UNIT ID: 0640
Postmark Here
Clerk: KNTKB4
01/07/02

7099 3220 0002 3941 0317

Name (Please Print Clearly) (To be completed by mailer)
Arch Petroleum, Inc.
Street, Apt. No.; or PO Box No.
10 Desta Dr., Ste. 420E
City, State, ZIP+4
Midland, TX 79705

PS Form 3800, July 1999 See Reverse for Instructions

U.S. Postal Service
**CERTIFIED MAIL RECEIPT**
*(Domestic Mail Only; No Insurance Coverage Provided)*

Article Sent To:
HOUSTON, TX 77002

| | |
|---|---|
| Postage | $ 1.95 |
| Certified Fee | 2.10 |
| Return Receipt Fee (Endorsement Required) | 1.50 |
| Restricted Delivery Fee (Endorsement Required) | |
| Total Postage & Fees | $ 5.55 |

UNIT ID: 0640
Postmark Here
Clerk: KNTKB4
01/07/02

7099 3220 0002 3941 0324

Name (Please Print Clearly) (To be completed by mailer)
Mark L. Shidler, Inc.
Street, Apt. No.; or PO Box No.
1010 Lamar St., Ste. 500
City, State, ZIP+4
Houston, TX 77002

PS Form 3800, July 1999 See Reverse for Instructions

## WELL DATA INFORMATION

SECTION 35, TWS. 24 S., RNG. 37 E.

Texaco Erwin #9-P
Drilled 1999 TD 6400'

| HOLE | CSG. | DEPTH | CEMENT | |
|---|---|---|---|---|
| 11" | 8 5/8" | 1010' | 525 sx | circulated |
| 7 7/8" | 5 1/2" | 6400' | 570 sx | TOC 3400' |

Texaco Erwin #8-I
Drilled 1996 TD 8298'

| HOLE | CSG. | DEPTH | CEMENT | |
|---|---|---|---|---|
| 11" | 8 5/8" | 1000' | 1428 sx | circulated |
| 7 7/8" | 5" | 8298' | 1175 sx | circulated |

Texaco Erwin #6-P
Drilled 1990 TD 8895'

| HOLE | CSG. | DEPTH | CEMENT | |
|---|---|---|---|---|
| 14 3/4" | 11 3/4" | 958' | 650 sx | TOC 20' |
| 11" | 8 5/8" | 5050' | 2200 sx | circulated |
| 7 7/8" | 5 1/2" | 8895' | 1975 sx | circulated |

Texaco Erwin #10-I
Drilled 1997 TD 6383'

| HOLE | CSG. | DEPTH | CEMENT | |
|---|---|---|---|---|
| 11" | 8 5/8" | 1046' | 525 sx | circulated |
| 7 7/8" | 5 1/2" | 6383' | 1400 sx | circulated |

SECTION 35, TWS. 24 S., RNG. 37 E. (CONT)

Texaco Erwin #4-O
Drilled 1971 TD 7050'

| HOLE | CSG. | DEPTH | CEMENT | |
|---|---|---|---|---|
| 20" | 13 3/8" | 255' | 350 sx | circulated |
| 16" | 9 5/8" | 3469' | 1050 sx | TOC 1875' |
| 8 5/8" | 2 3/8" | 7447' | 1924 sx | TOC 2800' |
| | 2 7/8" | 7449' | 1924 sx | TOC 2800' |
| | 2 7/8" | 7093' | 1924 sx | TOC 2800' |
| | 2 3/8" | 6195' | 1924 sx | TOC 2800' |

Notice of intent to P & A has been filed.

Texaco Erwin #5-P
Drilled 1971 TD 8360'

| HOLE | CSG. | DEPTH | CEMENT | |
|---|---|---|---|---|
| 20" | 16" | 238' | 300 sx | circulated |
| 16" | 13 3/8 & 11 3/4" | 3500' | 900 sx | TOC 1925' |
| 10 3/4" | 2 7/8" | 8150' | 1800 sx | TOC 1600' |
| | 2 7/8" | 7248' | 1800 sx | TOC 1600' |
| | 2 7/8" | 7250' | 1800 sx | TOC 1600' |
| | 2 7/8" | 8150' | 1800 sx | TOC 1600' |
| | 1 1/2" | 8359' | 1800 sx | TOC 1600' |

SECTION 36, TWS. 24 S., RNG. ~~36~~ 37 E.

Mark L. Shidler Inc. Ramsey #2-M
Drilled 1961 TD 8480'

| HOLE | CSG. | DEPTH | CEMENT | |
|---|---|---|---|---|
| 17 1/2" | 13 3/8" | 1008' | 810 sx | circulated |
| 12 1/2" | 9 5/8" | 3426' | 325 sx | TOC 2150' |
| 8 3/4" | 7" & 7 5/8" | 8480' | 680 sx | TOC 3770' |

Mark L. Shidler Inc. Ramsey #4-M
Drilled 1962 TD 8155'

| HOLE | CSG. | DEPTH | CEMENT | |
|---|---|---|---|---|
| 17 1/2" | 13 3/8" | 1000' | 760 sx | circulated |
| 12 1/4" | 9 5/8" | 3480' | 350 sx | TOC 2295' |
| 8 3/4" | 7 5/8" & 7" | 8155' | 700 sx | TOC-TS 6440' |

Arch Petroleum Ramsey #3-L
Drilled 1961 Original TD 8520', Plugback to 5510'

| HOLE | CSG. | DEPTH | CEMENT | |
|---|---|---|---|---|
| 17 1/2" | 13 3/8" | 997' | 880 sx | circulated |
| 12 1/2" | 9 5/8" | 3463' | 730 sx | circulated |
| 8 3/4" | 7 7/8" | 8520' | 700 sx | TS 4380' |
| | 4 1/2" | 6954' | 650 sx | C |

Sq. leak in 7 7/8", 3416'-3569', circulated cement to surface, ran 4 1/2".

| DISTRIBUTION | | |
|---|---|---|
| SANTA FE | | |
| FILE | | |
| U.S.G.S. | | |
| LAND OFFICE | | |
| TRANSPORTER | OIL | |
| | GAS | |
| PRORATION OFFICE | | |
| OPERATOR | | |

# NEW MEXICO OIL CONSERVATION COMMISSIO.

## MISCELLANEOUS REPORTS ON WELLS

*(Submit to appropriate District Office as per Commission Rule 1106*

| Name of Company | Address |
|---|---|
| Gulf Oil Corporation | P. O. Box 980, Kermit, Texas |

| Lease | Well No. | Unit Letter | Section | Township | Range |
|---|---|---|---|---|---|
| W. A. Ramsay "C" | 4 | M | 36 | 24S | |

| Date Work Performed | Pool | County |
|---|---|---|
| 12-14 to 15-62 | North Justis Waddell | Lea |

**THIS IS A REPORT OF:** *(Check appropriate block)*

☐ Beginning Drilling Operations ☒ Casing Test and Cement Job ☐ Other *(Explain)*:

☐ Plugging ☐ Remedial Work

**Detailed account of work done, nature and quantity of materials used, and results obtained.**

Cemented 251 jts (8050.26') 7" 23 & 26# and 2 jts & 1 cut jt (89.40') 7-5/8" 29.70# casi set at 8155' in two stages thru DV tool set @ 6311'. 1st stage, 275 sacks Incor 4% gel w/3% s salt and .2% Kembrake, plug down @ 8:35 A. M., 12-14-62. Circulated & WOC 4 hrs. 2nd stage, 425 sacks Incor 4% gel, 3% salt, .2% Kembrake, plug down @ 1:30 P. M., 12-14-62. Tested DV tool 12:01 A. M., 12-15-62 w/1500#, no drop in pressure. Drilled DV tool and circulated hole to 8123', tested casing with 1500#, no drop in pressure. Ran temperature survey @ 7:00 A. M., 12-15-62, top of cement on 1st stage @ 6440', 2nd stage @ 3675. Rig released.

| Witnessed by | Position | Company |
|---|---|---|
| K. E. Elam | Drilling Foreman | Gulf Oil Corporation |

**FILL IN BELOW FOR REMEDIAL WORK REPORTS *ONLY***

**ORIGINAL WELL DATA**

| D F Elev. | T D | P B T D | Producing Interval | Completion Date |
|---|---|---|---|---|
| | | | | |

| Tubing Diameter | Tubing Depth | Oil String Diameter | Oil String Depth |
|---|---|---|---|
| | | | |

| Perforated Interval(s) |
|---|
| |

| Open Hole Interval | Producing Formation(s) |
|---|---|
| | |

**RESULTS OF WORKOVER**

| Test | Date of Test | Oil Production BPD | Gas Production MCFPD | Water Production BPD | GOR Cubic feet/Bbl | Gas Well Potential MCFPD |
|---|---|---|---|---|---|---|
| Before Workover | | | | | | |
| After Workover | | | | | | |

**OIL CONSERVATION COMMISSION**

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

| Approved by | Name |
|---|---|
| | J. A. Parker |
| **Title** | **Position** |
| | Area Production Manager |
| **Date** | **Company** |
| | Gulf Oil Corporation |

SECTION 1, TWS. 25 S., RNG. 37 E.

Fulfer Oil & Cattle Co. Westate #8-E
Drilled 1971 TD 8550'

| HOLE | CSG. | DEPTH | CEMENT | |
|---|---|---|---|---|
| 15" | 13 3/8" | 220' | 220 sx | circulated |
| 12 1/4" | 9 5/8" | 2275' | 250 sx | circulated |
| 8 3/4" | 7" | 8204' | 620 sx | TOC 2300' |

Fulfer Oil & Cattle Co. Westate #7-D
Drilled 1961 TD 7160'

| HOLE | CSG. | DEPTH | CEMENT | |
|---|---|---|---|---|
| 15 3/4" | 13 3/8" | 226' | 175 sx | circulated |
| 12 1/4" | 9 5/8" | 2279' | 400 sx | circulated |
| 8 3/4" | 7" | 7160' | 490 sx | TOC 2305' |

SECTION 2, TWS. 25 S., RNG. 37 E.

Apache Justice Devonian #1-A
Drilled 1963 TD 8570'

| HOLE | CSG. | DEPTH | CEMENT | |
|---|---|---|---|---|
| 20" | 16" | 513' | 600 sx | circulated |
| 13 3/8" | 10 3/4" | 3418' | 1500 sx | circulated |
| 9 7/8" | 3 1/2" | 8559' | 1400 sx | TOC 2975' |
| | 3 1/2" | 8563' | 1400 sx | TOC 2975' |
| | 2 7/8" | 8566' | 1400 sx | TOC 2975' |

Citation State JM #1-B
Drilled 1970 TD 8951'

| HOLE | CSG. | DEPTH | CEMENT | |
|---|---|---|---|---|
| 17" | 13 3/8" | 240' | 200 sx | circulated |
| 11" | 9 5/8" | 3649' | 1150 sx | circulated |
| 8 5/8" | 7 5/8" | 8951' | 800 sx | TOC 4330' |

Apache State NJ #3-A
Drilled 1962 TD 7240'

| HOLE | CSG. | DEPTH | CEMENT | |
|---|---|---|---|---|
| 20" | 16" | 258' | 450 sx | circulated |
| 13 3/8" | 10 3/4" | 2345' | 1300 sx | circulated |
| 9 7/8" | 3 1/2" | 7240' | 1550 sx | TOC 1575' |
| | 3 1/2" | 7240' | 1550 sx | TOC 1575' |
| | 2 7/8" | 7235' | 1550 sx | TOC 1575' |
| | 2 7/8" | 7235' | 1550 sx | TOC 1575' |

Primal Hale St. #1-H
Drilled 1961 TD 7365'

| HOLE | CSG. | DEPTH | CEMENT | |
|---|---|---|---|---|
| 17 1/2" | 13 3/8" | 919' | 800 sx | did not circ./1' to top |
| 11" | 9 5/8" | 3404' | 2620 sx | circulated |
| 8 5/8" | 7" | 7365' | 1000 sx | TOC 2400' |

SECTION 2, TWS. 25 S., RNG. 37 E. (CONT)

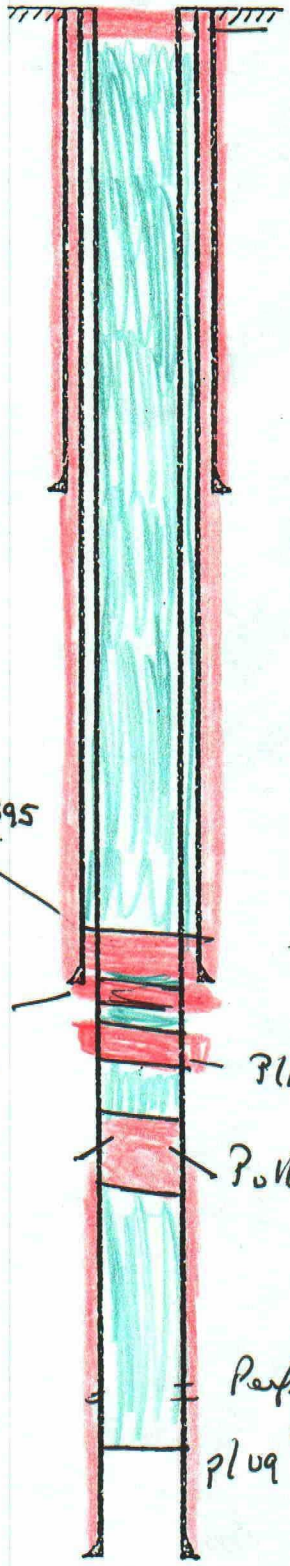
Primal Hale St. #5-G
Drilled 1982 TD 8766'

| HOLE | CSG. | DEPTH | CEMENT | |
|---|---|---|---|---|
| 17 1/2" | 13 3/8" | 265' | 350 sx | circulated |
| 11" | 8 5/8" | 3450' | 825 sx | circulated |
| 7 7/8" | 5 1/2" | 7880' | 1000 sx | TOC 2800' |

Drilled 1963

| OPERATOR | | DATE |
|---|---|---|
| U.S Smelting + Mining | | P+A 1969 |
| LEASE | WELL No. / LOCATION | |
| Westate | 9 / E Sec 1 - 25 - 37 | |

* Hole loaded w/ Gel




13 3/8 " casing set at 321 ' with 220 sx of C cement

Hole size 17 1/2 "

9 5/8 " casing set at 2344 ' with 550 sx of C cement

Hole size 12 1/4 "

5 1/2 " casing set at 7699 ' with 620 sx of C cement

Total depth 8522 ' Hole size 7 "

Cement at 5100

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424

5. LEASE DESIGNATION AND SERIAL NO.
LC 032579 (e)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

7. UNIT AGREEMENT NAME

OIL WELL ☐ GAS WELL ☐ OTHER

2. NAME OF OPERATOR
United States Smelting, Refining and Mining Company

8. FARM OR LEASE NAME
Gulf States Federal

3. ADDRESS OF OPERATOR
P. O. Box 1877, Midland, Texas 79701

9. WELL NO.
9

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

10. FIELD AND POOL, OR WILDCAT
North Justis

900' FNL & 1650' FWL of Sec. 1

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
1-25S, 37E

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

12. COUNTY OR PARISH
Lea

13. STATE
New Mexico

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

| NOTICE OF INTENTION TO: | | SUBSEQUENT REPORT OF: | |
|---|---|---|---|
| TEST WATER SHUT-OFF ☐ | PULL OR ALTER CASING ☐ | WATER SHUT-OFF ☐ | REPAIRING WELL ☐ |
| FRACTURE TREAT ☐ | MULTIPLE COMPLETE ☐ | FRACTURE TREATMENT ☐ | ALTERING CASING ☐ |
| SHOOT OR ACIDIZE ☐ | ABANDON* ☐ | SHOOTING OR ACIDIZING ☐ | ABANDONMENT* X |
| REPAIR WELL ☐ | CHANGE PLANS ☐ | (Other) ☐ | |
| (Other) ☐ | | | |

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Cut off 5 1/2" casing at 4975 feet and pulled same. Set cement plugs as follows:

35 sacks 4799' - 4[illegible]'
35 sacks 3597' - 3697'
35 sacks 3192' - 3[illegible]'
35 sacks 2295' - 2395'
10 sacks 20' - Surface

ILLEGIBLE

Hole was filled with Gelled Mud between plugs. Marker was erected and location ready for inspection. Well plugged and abandoned December 30, 1968.

18. I hereby certify that the foregoing is true and correct

SIGNED [illegible] TITLE Production Clerk DATE 1-14-69

(This space for Federal or State office use)

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

APPROVED
DATE

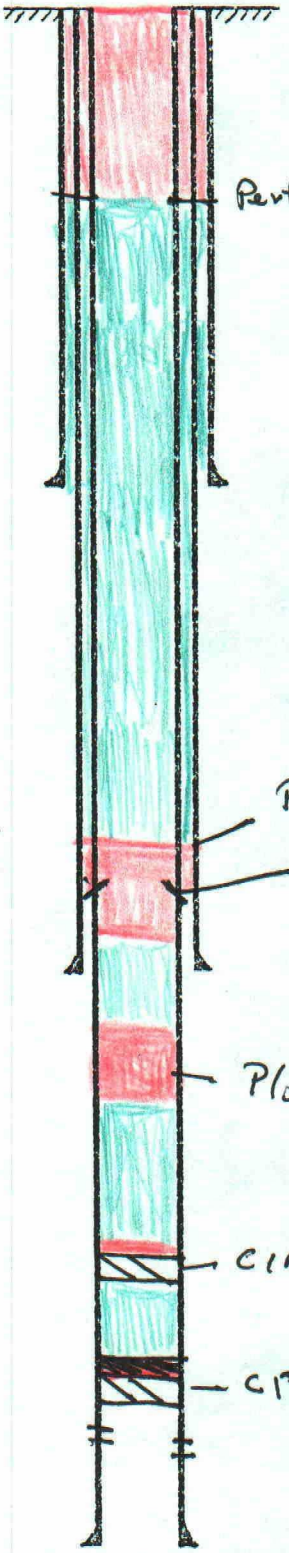
*See Instructions on Reverse Side

[illegible]
AREA DISTRICT ENGINEER

Drilled 1961

| OPERATOR | | DATE |
|---|---|---|
| Breck Operating | | P+A 1998 |
| LEASE | WELL No. | LOCATION |
| Westate | 3 | 1730/N 330/W Sec 1 Twp 25 Rng 37 |

* Hole loaded w 10# mud



Perf. at 50' circ. to surface

13 3/8 " casing set at 250 ' with 300 sx of C cement
Hole size 17 " circulated

Plug at 1055 + stub Tag 677

Csg cut at 997

9 5/8 " casing set at 1005 ' with 300 sx of C cement
Hole size 12 1/4 " circulated

Plug 2355 ± 2500

CIBP 4950 with cement

CIBP 5260 with cement

7 " casing set at 6050 ' with 275 sx of C cement
Total depth 6050 ' Hole size 8 5/8 " TOC 4335

Form 3160-5
(November 1994)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons. Division
P.O. Box 1980
Hobbs, NM 88241

FORM APPROVED
OMB No. 1004-0135
Expires July 31, 1996

## SUNDRY NOTICES AND REPORTS ON WELLS

***Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.***

***SUBMIT IN TRIPLICATE - Other instructions on reverse side***

5. Lease Serial No.: NM 93034
6. If Indian, Allottee or Tribe Name:
7. If Unit or CA/Agreement, Name and/or No.:
8. Well Name and No.: Westates Federal #5
9. API Well No.: 30-025-11390
10. Field and Pool, or Exploratory Area: Justis Blinebry
11. County or Parish, State: Lea County, New Mexico

1. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other
2. Name of Operator: Breck Operating Corp.
3a. Address: P. O. Box 911 Breckenridge, Texas 76424
3b. Phone No. (include area code): (254) 559-3355
4. Location of Well (Footage, Sec., T., R., M., or Survey Description): 1730' FNL & 330' FWL, Sec. 1-25S-37E

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | | |
|---|---|---|---|---|
| ☐ Notice of Intent | ☐ Acidize | ☐ Deepen | ☐ Production (Start/Resume) | ☐ Water Shut-Off |
| ☒ Subsequent Report | ☐ Alter Casing | ☐ Fracture Treat | ☐ Reclamation | ☐ Well Integrity |
| ☐ Final Abandonment Notice | ☐ Casing Repair | ☐ New Construction | ☐ Recomplete | ☐ Other |
| | ☐ Change Plans | ☒ Plug and Abandon | ☐ Temporarily Abandon | |
| | ☐ Convert to Injection | ☐ Plug Back | ☐ Water Disposal | |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Plugging Operations:

1. Placed 25' cement on top of CIBP @ 5260'
2. Set CIBP @ 4950'
3. Circulate hole w/10# brine/mud
4. Spot 10 sack cement on top of CIBP.
5. Cut off 7" casing @ 997'
6. Spot 25 sack cement plug @ 2355'-2500'
7. Spot 50 sack plug @ 1055'
8. Tagged TOC @ 677'
9. Perforate casing @ 50'
10. Mix and circulate 100 sks of cement down 9-5/8 casing thru perfs and circulated to surface.
11. Cut off casing and weld on ID plate

Steve Caffey witnessed plugging operations.

Well surface will be restored in accordance with BLM Regulations. 7/9/98 per Ed

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed): Ernie Underwood
Title: Engineering Technician
Signature: Ernie Underwood
Date: 7-21-98

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by: (ORIG. SGD.) GARY GOURLEY
Title: PETROLEUM ENGINEER
Date: AUG 10 1998

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

JC
6 WW

RHA 1998

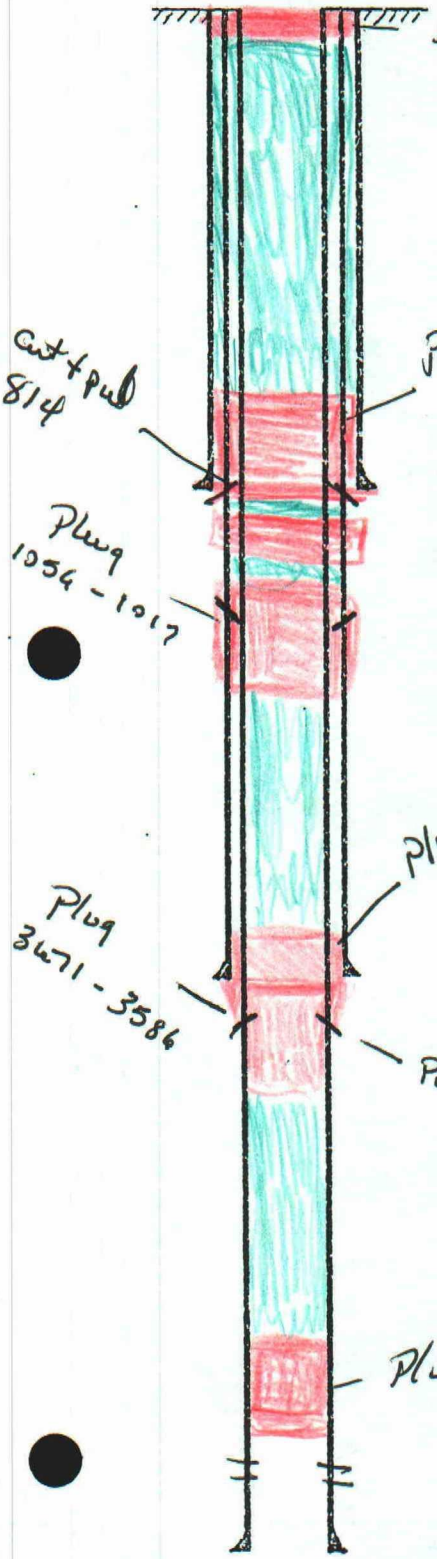
Drill 1961 TD 6050

| | | | |
|---|---|---|---|
| 17 | $13\frac{3}{8}$ | 250 | 300 sx circ |
| $12\frac{1}{4}$ | $9\frac{5}{8}$ | 1005 | 350 sx circ |
| $8\frac{5}{8}$ | 7 | 6050 | 275 sx TOC 4335 |

Drilled 1961

| OPERATOR | | DATE |
|---|---|---|
| National Coop. Refinery Assoc. | | P+A 1980 |
| LEASE | WELL No. | LOCATION |
| Westates | 4 | F - Sec 1 Twp 25 Rng 37 |

* Casing loaded with mud.




13 3/8 " casing set at 234 ' with 225 sx of C cement

Hole size 15 " circulated

8 5/8 " casing set at 3450' with 350 sx of C cement

Hole size 10 3/4 " circulated

5 1/2 " casing set at 8570 ' with 480 sx of [redacted] C cement

Total depth 8570 ' Hole size 7 " Calc top 4800

1 CC
1 OCC

COPY TO O. C. C.

Form 9-331
(May 1963)

Budget Bureau No. 42-R1424.

# DEPARTMENT OF THE INTERIOR
(Other instructions on reverse side)

## GEOLOGICAL SURVEY

5. LEASE DESIGNATION AND SERIAL NO.: LC-032579(e)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

# SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

RECEIVED
JUL 28 1980
U. S. GEOLOGICAL SURVEY
HOBBS, NEW MEXICO

1. OIL WELL [X] GAS WELL [ ] OTHER

7. UNIT AGREEMENT NAME:

2. NAME OF OPERATOR: National Coop. Refinery Assoc.

8. FARM OR LEASE NAME: Westates Federal

3. ADDRESS OF OPERATOR: 2215 Wilco Building, Midland, Texas 79701

9. WELL NO.: 4

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: SW/4, NW/4 Section 1, T-25-S, R-37-E, 1980' FNL, 330' FWL of Section

10. FIELD AND POOL, OR WILDCAT: N. Justis Fusselman

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec 1, T-25-S, R-37-E

14. PERMIT NO.:

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 3138' KB

12. COUNTY OR PARISH: Lea

13. STATE: N. Mex.

16. **Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

| NOTICE OF INTENTION TO: | | | | SUBSEQUENT REPORT OF: | | | |
|---|---|---|---|---|---|---|---|
| TEST WATER SHUT-OFF | [ ] | PULL OR ALTER CASING | [ ] | WATER SHUT-OFF | [ ] | REPAIRING WELL | [ ] |
| FRACTURE TREAT | [ ] | MULTIPLE COMPLETE | [ ] | FRACTURE TREATMENT | [ ] | ALTERING CASING | [ ] |
| SHOOT OR ACIDIZE | [ ] | ABANDON* | [ ] | SHOOTING OR ACIDIZING | [ ] | ABANDONMENT* | [X] |
| REPAIR WELL | [ ] | CHANGE PLANS | [ ] | (Other) | | | |
| (Other) | | | | (NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) | | | |

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

Westates Federal No. 4 was plugged and abandoned 7-5-80 as follows:

1) Spotted 60 sx cement plug 6488'-6912'. (Fusselman perfs. 6932'-7040') Top cement plug tagged.
2) Loaded hole with 9.5# salt water gel mud. 5 1/2" casing parted at 3615'. Pulled 3615' - 5 1/2" casing.
3) Spotted 100 sx cement plug at 3671'. No fill.
4) Spotted 100 sx cement plug at 3671'-3586'. Top cement plug tagged.
5) Spotted 80 sx cement plug at 3586'-3398'. (8 5/8" casing shoe @ 3450') Top cement plug tagged.
6) Cut 8 5/8" casing @ 1040'. Could not pull casing.
7) Spotted 30 sx cement plug 1056'-1017'. Top cement plug tagged.
8) Cut 8 5/8" casing @ 814' and pulled casing.
9) Spotted 100 sx cement plug at 870'-737'. Top cement plug tagged.
10) Spotted 100 sx cement plug at 281'-148'. (13 3/8" casing shoe @ 234') Top of cement plug tagged.
11) Spotted 15 sx cement plug at 0-15'.
12) Welded plate on casing and marked with a permanent marker. P&A 7-5-80.

18. I hereby certify that the foregoing is true and correct

SIGNED B. J. Hinson TITLE Dist. Prod. Supt. DATE 7-24-80

B. J. Hinson

(This space for Federal or State office use)

APPROVED BY (Orig. Sgd.) PETER W. CHESTER TITLE ACTING DISTRICT ENGINEER DATE JUN 5 1981

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

One

TD ~~8582~~
8570

Spud 1961
$13\frac{3}{8}$ - 234 ~~[illegible]~~ 225 sx C

$8\frac{5}{8}$ 3450 350 sx

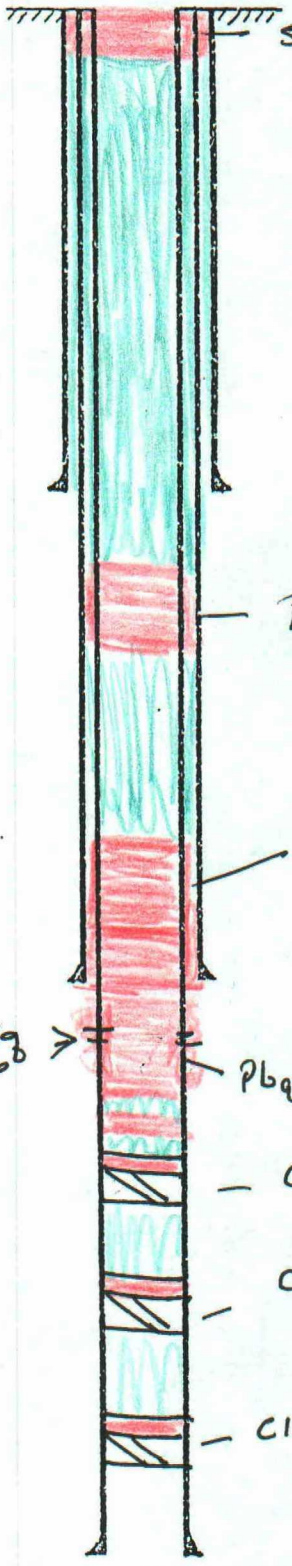
$5\frac{1}{2}$ 8570 400 sx

P&A 1981

Drilled 1961

| OPERATOR | | DATE |
|---|---|---|
| National Coop. | | PtA 1989 |
| LEASE | WELL No. | LOCATION |
| Westate | 6 | D Sec 1 T25 R37 |

* load w brine gel




13 3/8 " casing set at 130 ' with ____ sx of C cement

Hole size 15 " circ'd

9 5/8 " casing set at 2245 ' with ____ sx of C cement

Hole size 11 " circ'd

7 " casing set at 8466 ' with ____ sx of C cement

Total depth 8466 ' Hole size 8 5/8 "

Form 3160-5
(November 1983)
(Formerly 9-331)

# UNITED STATES
# DEPARTMENT OF THE INTERIOR
## BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.: LC-032579(e)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: -

RECEIVED
MAY 25 11 27 AM '89
OCD
ARTESIA, OFFICE

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL [X] GAS WELL [ ] OTHER

7. UNIT AGREEMENT NAME: -

2. NAME OF OPERATOR: National Coop. Refinery Assoc.

8. FARM OR LEASE NAME: Westates Federal

3. ADDRESS OF OPERATOR: 415 W. Wall, Suite 2215, Midland, Texas 79701

9. WELL NO.: 6

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 330' FNL, 330' FWL, NW/NW Section 1

10. FIELD AND POOL, OR WILDCAT: North Justis, McKee & Ellen

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec 1, T-25-S, R-37-E

| 14. PERMIT NO. | 15. ELEVATIONS (Show whether DF, RT, GR, etc.) | 12. COUNTY OR PARISH | 13. STATE |
|---|---|---|---|
| - | 3135' GL, 3146' KB | Lea | New Mexico |

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

| NOTICE OF INTENTION TO: | | | | SUBSEQUENT REPORT OF: | | | |
|---|---|---|---|---|---|---|---|
| TEST WATER SHUT-OFF | [ ] | PULL OR ALTER CASING | [ ] | WATER SHUT-OFF | [ ] | REPAIRING WELL | [ ] |
| FRACTURE TREAT | [ ] | MULTIPLE COMPLETE | [ ] | FRACTURE TREATMENT | [ ] | ALTERING CASING | [ ] |
| SHOOT OR ACIDIZE | [ ] | ABANDON* | [ ] | SHOOTING OR ACIDIZING | [ ] | ABANDONMENT* | [ ] |
| REPAIR WELL | [ ] | CHANGE PLANS | [ ] | (Other) Plug & Abandon Well | | | [X] |
| (Other) | | | | (NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) | | | |

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

The P&A of the Westates Federal Well #6 was completed 5-22-89 following the procedure below:

Plug #1 set @ 7000'-6700' with 125 sx Class H Neat Cement - Tagged @ 6700'.

Plug #2 set @ 4700'-4021' with 150 sx Class H Neat Cement.

Plug #3 set @ 2300'-2195' with 55 sx Class H Neat Cement.

Plug #4 set @ 1700'-1400' with 60 sx Class H Neat Cement.

Plug #5 set @ 50' to surface with 100 sx Class C Neat Cement.

Plugged & Abandoned well 5-22-89, Witnessed by Andy Cortez and Bill McManus with the BLM/Hobbs, New Mexico.

18. I hereby certify that the foregoing is true and correct

SIGNED Carrie A. Gage TITLE Production Clerk DATE 5-24-89

(This space for Federal or State office use)

APPROVED BY [illegible] FOR: TITLE CHIEF, MINERAL RESOURCES DATE 6-1-89

CONDITIONS OF APPROVAL, IF ANY:

Approval is to plug and abandon the well bore. Liability under bond is retained until surface restoration is completed.

*See Instructions on Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

PLUGGING PROCEDURE

WESTATES FEDERAL NO. 6

LOCATION: 330' FNL & 330' FWL
Section 1, Township 25 South, Range 37 East
Lea County, New Mexico

FIELD: North Justice

ELEVATIONS: 3135' GL, 3146' KB, TD = 8466'; PBD = 7835'

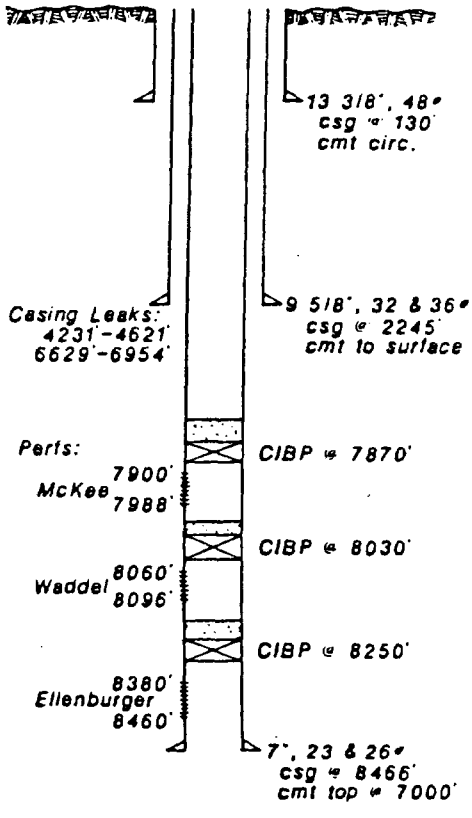
SPUD DATE: August 12, 1961 COMPLETION DATE: September 26, 1961

INITIAL COMPLETION: Perforated Ellenberger from 8380-8460' and McKee from 7900-7910', 7934-7938' and 7958-7988' w/2 SPF.

WORKOVERS: 7/06/63 - Perforate Waddel intervals 8060-8065', 8070-8074', and 8089-8096' w/2 SPF. Acidize w/500 gallons mud acid, reran dual tubing strings. Put Ellenberger zone on pump.

2/05/68 - Shut-in (T&A).

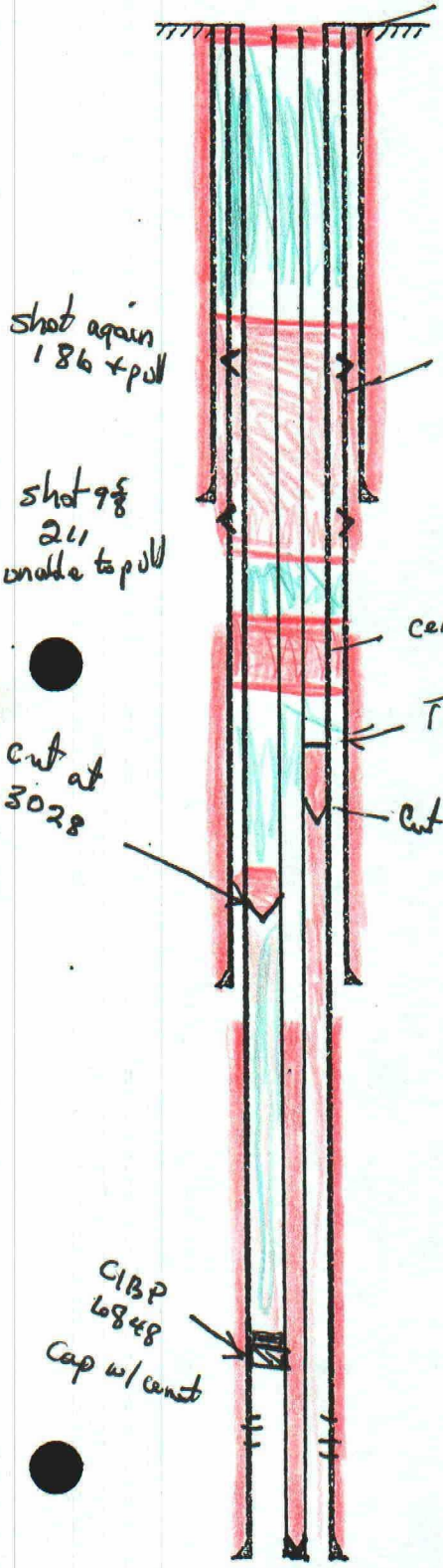
2/17/74 - Set CIBP above Ellenberger at 8250' with 35' cement on top of plug. Set CIBP @ 8030' with 20' cement on top of plug. Set CIBP at 7870' with 35' cement on top of plug.




1. Move in, rig up service unit.
2. Nipple down wellhead, nipple up BOP.
3. Pick up 2-3/8" work string and trip in hole to 7000'. Displace hole with 9.0 ppg brine.
4. Pump 125 sacks of Class H Neat cement and displace cement with 25 barrels of 9.0 ppg brine.
5. Pull tubing up to 6200'.
6. Close backside and squeeze 8 barrels of cement into casing leak by pumping down tubing.
[TAG] (SJS)
7. Pull tubing up to 4700'.
8. Pump 150 sacks of Class H Neat cement down tubing and displace with 16.6 barrels of 9.0 ppg brine.

| OPERATOR | | | DATE |
|---|---|---|---|
| Exxon Corp. | | | P+A 1974 |
| LEASE | WELL No. | LOCATION | |
| NM BM State | 2 | I Sec 2 Twp 25 R37E | |

10 sx at surface  * load hole w/ 70 bbls. brine




$13\frac{3}{8}$ " casing set at 199 ' with 200sx sx of C cement

Hole size $17\frac{1}{2}$ "  TOC 35 ft. Run 1 in cement to surface.

$9\frac{5}{8}$ + $10\frac{3}{4}$ " casing set at 3422 ' with 450 sx of C cement

Hole size $12\frac{1}{4}$ "  TOC 1975

8480

$4\frac{1}{2}$ $2\frac{3}{8}$ " casing set at 7490 ' with 1050 sx of C cement

Total depth 8480 '  Hole size $8\frac{3}{4}$ "  TOC 3800

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| FILE | | |
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| LAND OFFICE | | |
| OPERATOR | | |

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
*Supersedes Old C-102 and C-103*
Effective 1-1-65

5a. Indicate Type of Lease
State ☒ Fee ☐

5. State Oil & Gas Lease No.
B-11302

## SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT —" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL ☒ GAS WELL ☐ OTHER-

7. Unit Agreement Name

2. Name of Operator
EXXON CORPORATION

8. Farm or Lease Name
NEW MEXICO BM STATE

3. Address of Operator
P.O. BOX 1600, MIDLAND, TEXAS 79701

9. Well No.
2

4. Location of Well
UNIT LETTER I, 2160 FEET FROM THE SOUTH LINE AND 330 FEET FROM THE EAST LINE, SECTION 2 TOWNSHIP 25-S RANGE 37-E NMPM.

10. Field and Pool, or Wildcat
JUSTIS FUSSELMAN NORTH

15. Elevation (*Show whether DF, RT, GR, etc.*)
3134-DF

12. County
LEA

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

| NOTICE OF INTENTION TO: | | SUBSEQUENT REPORT OF: | |
|---|---|---|---|
| PERFORM REMEDIAL WORK ☐ | PLUG AND ABANDON ☐ | REMEDIAL WORK ☐ | ALTERING CASING |
| TEMPORARILY ABANDON ☐ | | COMMENCE DRILLING OPNS. ☐ | PLUG AND ABANDONMENT |
| PULL OR ALTER CASING ☐ | CHANGE PLANS ☐ | CASING TEST AND CEMENT JOB ☐ | |
| OTHER ☐ | | OTHER | |

17. Describe Proposed or Completed Operations (*Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any prop work*) SEE RULE 1103.

MIRU BABER WELL SERV, 7-22-74, PLD & LAID DN RODS, 190 3/4", 94 7/8", LAID DOWN 2 3/8" TBG, 238 JTS, RAN & SET 4 1/2" BP ON WIRE LINE @ 6845' W/3 SX CMT ON TOP PMP TO BGLS BR DN 9 5/8" CSG., REMOVED DOUGHNUTS FROM WELL HEAD, STRETCH INDICATED 2 7/8" CSG FREE @ 3000', RAN FREE PT 4 1/2" CSG, INDICATED STUCK AT 3048', CUT 4 1/2" CSG @ 3028, PIPE FREE, INSTALLED BOP, LAID DOWN 10 JTS 4 1/2" CSG, 7-24-74. PLD & LAID 94 JTS 4 1/2" CSG, LOADE HOLE W/MUD LADEN BR, RAN STRING SHOT TO 2671 & BACKED 2 7/8" CSG, COULD NOT GET STRING SHOT BELOW 2671, PLD 83 JTS 2 7/8 CSG, SPOTTED 4 CMT PLUG @ 2670, 7-25-74. ATTEMPTED TO TAG CMT PLG, NO PLG, SPTD 5 SX COTTON SEED HULLS AND 2 SX WOOD FIBER, FOLLOWED BY 60 SX CMT PLUG, TAGG PLUG @ 2560', PLD 2 7/8" TBG, REMOVED BOP, 7-26-74. WELDED ON PULL NIPPLE 10 3/4" CSG, FOUND PIPE STUCK @ 200' FROM SURF, SHOT 9 5/8" CSG AT 211', UNI TO PULL, SHOT AT 186', LAID DN 6 JTS 9 5/8" CSG & 1 JT 10 3/4" CSG, 7-29-74. RAN TBG IN HOLE TO 1140', SPOT 75 SX CMT PLUG 1140-1040', PUMPED P DN W/MUD, OK CMT PLUG AT 1040, SPOT 75 SX CMT PLUG 240-140', SPOT 10 PLUG @ SURF, INSTALL DRY HOLE MARKER. FRR 7-30-74

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

SIGNED [signature] TITLE UNIT HEAD DATE 8-7-74

APPROVED BY John W. Runyan TITLE Geologist DATE APR 23 19

CONDITIONS OF APPROVAL, IF ANY:

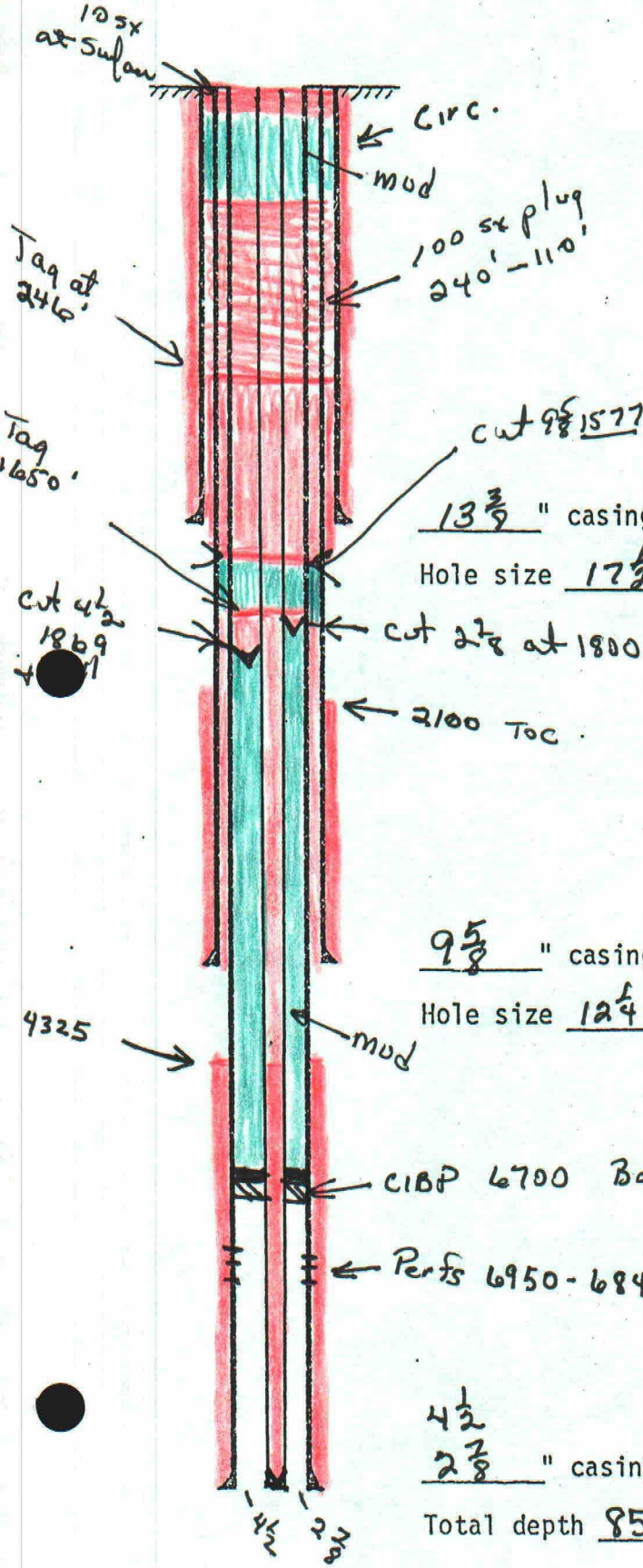
1963

TD 8480

| | | | | |
|---|---|---|---|---|
| $17\frac{1}{2}$ | $13\frac{3}{8}$ | 199 | 200 sx | Top @ 35 ft<br>1 in w/ 35 sx to pit |
| $12\frac{1}{4}$ | $9\frac{5}{8}$ + $10\frac{3}{4}$ | 3422 | 450 sx | Toc - 1925 |
| $8\frac{3}{4}$ | $4\frac{1}{2}$ | 8480 | 1050 sx | Toc 3800 |
| | $2\frac{7}{8}$ | 7490 | | |

Drilled 1970

| OPERATOR | | DATE |
|---|---|---|
| Exxon Corporation | | P&A 1974 |
| LEASE | WELL No. | LOCATION |
| NM BM State | 1 | I - Sec 2 Twp 25s Rng 37E |




After pulling 4½ + 2⅞
load hole with mud,
Spot 70 sx + 50 sx + lost circ. material
Tag plug 1650
Cut 9⅝ - 1577 - load hole w/ mud
Spot 50 sx plug. + loss circ material +
75 sx cement + loss circ. material.

13⅜ " casing set at 236 ' with 200 sx of C cement
Hole size 17½ " cement circulated

9⅝ " casing set at 3470 ' with 525 sx of C cement
Hole size 12¼ " TOC 2100

8489
4½
2⅞ " casing set at 8490 ' with 1500 sx of C cement
Total depth 8524 ' Hole size 8¾ " TOC 4325

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| LAND OFFICE | | |
| OPERATOR | | |

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease: State [X] Fee [ ]

5. State Oil & Gas Lease No. B-11302

## SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT —" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL [X] GAS WELL [ ] OTHER-

7. Unit Agreement Name

2. Name of Operator: EXXON CORPORATION 7673

8. Farm or Lease Name: NEW MEXICO BM STATE

3. Address of Operator: P.O. BOX 1600, MIDLAND, TEXAS 79701

9. Well No. 1

4. Location of Well: UNIT LETTER I, 2310 FEET FROM THE SOUTH LINE AND 330 FEET FROM THE EAST LINE, SECTION 2 TOWNSHIP 25-S RANGE 37-E NMPM.

10. Field and Pool, or Wildcat: JUSTIS FUSSELMAN NORTH

15. Elevation (Show whether DF, RT, GR, etc.): 3138 RT

12. County: LEA

16. 7673 - OCD

15349 - prop

Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PE
TE
PU

PLUG AND ABANDON [ ]
CHANGE PLANS [ ]
OTHER [ ]

SUBSEQUENT REPORT OF:

REMEDIAL WORK [ ]
COMMENCE DRILLING OPNS. [ ]
CASING TEST AND CEMENT JOB [ ]
ALTERING CASING [ ]
PLUG AND ABANDONMENT [ ]
OTHER [ ]

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

MIRU BAKER WELL SERV. 7-11-74. PLD 2" TBG., 227 JTS. 6963', SET CI BP @ 6760 IN 4 CSG & 2½" CSG. REMOVED CSG. HD, 7-12-74. DUMPED 35' CMT PLUG ON BP, PLD 4½" & 2⅞" LOOSE FROM SLIPS, REMOVED PKG, 4½" & 2½" CSG. INDICATED TBG STUCK AT 2000', OUG OUT CELL 7-13-74. INSTALLED BOP, PRES ON 9⅝" CSG TO 2000#, RAN FREE PT ON 2⅞" CSG, INDICATED FREE @ 2050', CUT 2⅞" CSG @ 2200', CSG STUCK, CUT 2⅞" @ 2050', CSG STUCK PRES TO 3000 COULD NOT PUMP IN, CUT 2⅞ @ 2020, COULD NOT PUMP IN @ 3000, CUT 2⅞ @ 1800, PU 56 JTS 2⅞" CSG & CUT JT, CUT OFF 4½" CSG @ 1869, 7-14-74. RAN 2⅞ TBG TO 1800, F 135 BBLS MUD LADEN FL, SPOT 70 SX CMT PLUG, PLD 10 STANDS TBG, ATTEMPTED TO TAG PL NO PLUG, LOADED HOLE W/20 BBLS MUD LADEN FL, SPOT 50 SX CMT PLUG, 7-16-74. ATTEMPTE TAG CMT PLUG, NO PLUG LOADED HOLE W/25 BBLS, SPOT LOST CIRC'L MAT'L CONSISTING OF 250 COTTON SEED HULLS & 25X WOOD FIBER, SPOT 50 SX CMT PLUG 1800-1650', TAGGED PLUG @ 1650, P 2½" TBG, REMOVED BOP & WELLHEAD, 7-17-74. CUT OFF WELLHEAD & WELDED ON 9⅝" CSG NIPPL SHOT 5½-9⅝ CSG AT 1577, LAID DN 50 JTS CSG., 7-18-74. RAN 2⅞ TBG., LOAD HOLE W/40 BBLS MUD, SPOT 50 SX CMT PLUG W/2% CACL @ 1748, PLD 20 JTS, UNABLE TO TAG PLUG, MIXED 5 SX CO SEED HULLS, 2 SX WOOD FIBER & 75 SX CMT, SPOT CMT PLUG @ 1640, 7-19-74. RAN 2⅞ TBG IN HOLE, ABLE TO TAG PLUG, PUSHED BRUSH PLUG TO 1540, MIXED 5 SX COTTON SEED HULLS, 2 SX WOOD FIBE 75 SX CMT, SPOT AT 1540, UNABLE TO TAG PLUG, MIXED 10 SX COTTON SEED HULLS, 5 SX WOOD & 75 SX CMT. W/2% CACL, 7-20-74. RAN TBG TO 1540, UNABLE TO TAG CMT PLG, SPOT 100 SX COT SEED HULLS, 5000#, POH, 7-21-74. DUMPED 10 YDS PEA GRAVEL DN CSG, RAN WTR IN CSG WHILE DU GRAVEL, RAN WIRELINE FOUND GRAVEL AT 246' FROM SURF. DUMPED 2 YDS SAND DN CSG, FOUND SAND @ 24 SURF. SPOT 100 SX CMT PLUG 240-110, SPOT 10 SX PLUG AT SURF. INSTALL DRY HOLE MARKER. FRW 7-22-

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

SIGNED [signature] TITLE UNIT HEAD DATE 8-7-74

APPROVED BY John W. Runyan TITLE Geologist DATE APR 23 19

CONDITIONS OF APPROVAL, IF ANY:

Drilled 1970 TD 8524

| | | | | |
|---|---|---|---|---|
| $17\frac{1}{2}$ | $13\frac{3}{8}$ | 234 | 200 SX | Circ |
| $12\frac{1}{4}$ | $9\frac{5}{8}$ | 3470 | 325 SX | TOC 2100 |
| $8\frac{3}{4}$ | $4\frac{1}{2}$ | 8489 | 1500 SX | TOC 4325 |
| | $2\frac{7}{8}$ | 8490 | | |

# ILLEGIBLE

TABLE 4A.--WATER-QUALITY DATA FOR EDDY AND LEA COUNTIES, NEW MEXICO, ARRANGED BY BOTH FORMATION SOURCE AND GEOGRAPHIC LOCATION.

LEA COUNTY

| LOCATION T. | R. | DATE OF COLLECTION | DEPTH FROM | TO | FORMATION | SAMPLING METHOD | SILICA (SiO2) (MG/L) | IRON (FE) (MG/L) | CALCIUM (CA) (MG/L) | MAGNESIUM (MG) (MG/L) | SODIUM + POTASSIUM AS NA (MG/L) | BICARBONATE + CARBONATE (MG/L) | HYDROGEN SULFATE (SO4) (MG/L) | HYDROGEN SULFIDE (H2S) (MG/L) | CHLORIDE (CL) (MG/L) | FLUORIDE (F) (MG/L) | NITRATE (NO3) (MG/L) | DENSITY OF WATER AT 20C (GM/CM3) | DISSOLVED SOLIDS (SUM) (MG/L) | (CA+MG)/(NA+K) | SPECIFIC CONDUCTANCE (MICROMHOS AT 25C) | SPECIFIC CONDUCTANCE CALC (MICROMHOS AT 18C) | RESISTIVITY MEAS. (OHM-M) | AT DEG.C | RESISTIVITY CALC. (OHM-M AT 18C) | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16 | 36 | 03-25-61 | 13,112- | 13,147 | 201ELBG | DT | - | - | 1,400. | 270. | 9,600. * | 733. | 1,400. | - | 17,000. | | | 1.025 | 30,000. * | .217 | - | 38,900. | - | | | .257 | 6.8 |
| 19 | 37 | 00-00-60 | 10,873- | 10,931 | 201ELBG | DT | - | 11. | 11,000. | 340. | 49,000. * | 176. | 770. | - | 95,000. | | | 1.101 | 160,000. * | .269 | - | 155,000. | .077 | 14.0 | .065 | 6.7 |
| 20 | 38 | 07-27-49 | 7,800- | | 201ELBG | | - | MD | - | - | 76,000. * | - | - | 0.0 | 120,000. | | | 1.124 * | - | - | - | - | - | | - | 5.9 |
| 21 | 37 | 02-21-56 | 8,041- | 8,197 | 201ELBG | | - | - | 18,000. | 2,200. | 43,000. * | 305. | 480. | - | 100,000. | | | 1.118 | 170,000. * | .581 | - | 158,000. | - | | .063 | 6.6 |
| 21 | 37 | 07-26-57 | 8,128- | | 201ELBG | DT | - | - | 7,100. | 1,300. | 33,000. * | 122. | 1,700. | - | 67,000. | | | 1.089 | 119,000. * | .318 | - | 119,000. | 7.200 | 27.0 | .084 | 5.9 |
| 21 | 37 | 00-00-00 | - | | 201ELBG | PG | - | - | 9,800. | 1,400. | 36,000. * | - | 1,100. | - | 76,000. | | | 1.088 | - | .389 | - | - | .069 | 27.0 | - | | 6.2 |
| 21 | 37 | 09-04-55 | 8,000- | 8,189 | 201ELBG | WH | - | - | 9,200. | 2,100. | 33,000. | 122. | 1,000. | - | 73,000. | | | 1.089 | 120,000. * | .438 | - | 126,000. | .069 | 27.0 | .079 | 5.7 |
| 21 | 37 | 09-04-55 | - | | 201ELBG | PG | - | PS | 9,400. | 1,100. | 36,000. * | 153. | 1,100. | - | 75,000. | | | 1.087 | 120,000. * | .353 | - | 130,000. | .067 | 27.0 | .077 | 6.5 |
| 21 | 37 | 04-12-57 | 8,000- | 8,179 | 201ELBG | PG | - | - | 9,300. | 1,800. | 36,000. | 336. | 1,100. | - | 76,000. | | | 1.088 | 120,000. * | .393 | - | 131,000. | .066 | 27.0 | .076 | 6.6 |
| 21 | 37 | 10-26-59 | 8,070- | 8,187 | 201ELBG | WH | - | - | 1,500. | 460. | 5,800. * | 406. | 2,400. | HV | 11,000. | | | 1.014 | 21,000. * | .449 | - | 27,400. | - | | .365 | 6.7 |
| 21 | 37 | 02-13-60 | 8,070- | 8,187 | 201ELBG | | - | 0.0 | 3,400. | 720. | 12,000. * | 100. | 1,500. | 190. | 25,000. | | | 1.030 | 42,000. * | .446 | - | 54,200. | .170 | 24.0 | .185 | 6.4 |
| 21 | 37 | 03-3.-60 | 8,070- | 8,187 | 201ELBG | | - | 0.0 | 3,800. | 880. | 14,000. * | 670. | 2,000. | 110. | 29,000. | | | 1.036 | 50,000. * | .428 | - | 61,903. | - | | .161 | 6.5 |
| 21 | 37 | 02-00-67 | - | | 201ELBG | TB | - | - | - | - | 46,000. * | - | - | - | 70,000. | | | 1.076 | - | - | 134,000. | - | - | | - | |
| 21 | 37 | 12-21-49 | - | 7,576 | 201ELBG | | - | 0.0 | - | - | 49,000. * | - | - | 0.0 | 76,000. | | | 1.077 * | - | - | - | - | - | | - | |
| 22 | 37 | 02-23-49 | 8,097- | | 201ELBG | | 41. | TR | 6,600. | 1,700. | 28,000. * | 400. | 1,300. | 0.0 | 63,000. | | | 1.065 | 107,000. | .381 | - | 110,000. | - | | .091 | 6.6 |
| 22 | 37 | 02-23-49 | 8,189- | | 201ELBG | | 23. | TR | 7,600. | 1,400. | 33,000. * | 467. | 1,500. | 0.0 | 74,000. | | | 1.030 | 126,000. | .341 | - | 121,000. | - | | .083 | 7.3 |
| 22 | 37 | 01-29-58 | - | 7,720 | 201ELBG | | - | - | 8,900. | 1,600. | 33,000. * | 634. | 1,300. | - | 70,000. | | | 1.083 | 110,000. * | .409 | - | 122,000. | - | | .082 | 6.8 |
| 22 | 37 | 09-00-00 | 8,055- | | 201ELBG | | - | 0.0 | - | - | 53,000. * | - | - | 0.0 | 82,000. | | | 1.080 * | - | - | - | - | - | | - | |
| 22 | 37 | 10-27-47 | 7,845- | 7,910 | 201ELBG | | - | - | - | - | 56,000. * | - | - | - | 87,000. | | | 1.091 * | - | - | - | - | - | | - | |
| 23 | 37 | 07-23-53 | - | | 201ELBG | | - | MD | 20,000. | 4,900. | 64,000. * | 129. | 780. | 0.0 | 150,000. | | | 1.140 | 240,000. * | .503 | - | 189,000. | - | | .053 | 6.2 |
| 23 | 37 | 02-00-67 | - | | 201ELBG | TB | - | - | - | - | 82,000. * | - | - | - | 130,000. | | | 1.132 | - | - | 187,000. | - | - | | - | |
| 23 | 38 | 09-30-59 | 9,785- | 9,846 | 201ELBG | DT | - | 0.0 | 17,000. | 3,000. | 51,000. * | 130. | 200. | - | 120,000. | | | 1.133 | 190,000. * | .498 | - | 170,000. | .033 | | .059 | 7.2 |
| 24 | 36 | 06-09-60 | 12,866- | 12,912 | 201ELBG | | - | - | 9,500. | 1,300. | 57,000. * | 128. | 1,000. | - | 110,000. | | | 1.116 | 180,000. * | .235 | - | 166,000. | - | | .060 | 6.3 |
| 24 | 37 | 00-00-64 | 10,300- | 10,450 | 201ELBG | | - | - | 16,000. | 4,600. | 45,000. * | 103. | 410. | - | 110,000. | | | 1.140 | 180,000. * | .610 | - | 161,000. | - | | .062 | 5.9 |
| 24 | 37 | 07-17-53 | 10,992- | 11,036 | 201ELBG | SB | - | - | 7,500. | 1,300. | 33,000. * | 98. | 660. | - | 67,000. | | | 1.074 | 120,000. | .342 | - | 120,000. | .057 | 25.0 | .083 | 7.0 |
| 24 | 37 | 09-14-64 | 9,875- | 9,879 | 201ELBG | SB | - | 1,500. | 7,500. | 2,000. | 10,000. * | 1,400. | 200. | - | 37,000. | | | 1.051 | 60,000. * | 1.189 | - | 68,600. | - | | .146 | 5.0 |
| 24 | 37 | 12-09-58 | 10,000- | | 201ELBG | | - | - | 15,000. | 2,400. | 53,000. * | 171. | 470. | - | 110,000. | | | 1.128 | 180,000. * | .404 | - | 168,000. | - | | .060 | 6.5 |
| 24 | 37 | 03-06-65 | 9,600- | | 201ELBG | | - | 1.0 | 13,000. | 3,100. | 51,000. * | 183. | 440. | - | 110,000. | | | 1.123 | 180,000. * | .413 | - | 164,000. | - | | .061 | 7.2 |
| 24 | 37 | 09-14-64 | 10,285- | 10,289 | 201ELBG | SB | - | 1,000. | 11,000. | 1,900. | 30,000. * | 3,840. | 1,000. | - | 70,000. | | | 1.086 | 120,000. * | .534 | - | 119,000. | - | | .084 | 6.1 |
| 24 | 37 | 04-15-64 | - | | 201ELBG | | - | 300. | 12,000. | 3,600. | 42,000. * | 1,860. | 1,000. | - | 94,000. | | | 1.107 | 150,000. * | .495 | - | 148,000. | - | | .068 | 6.0 |
| 24 | 37 | 09-16-64 | - | | 201ELBG | | - | 500. | 12,000. | 2,600. | 42,000. * | 1,540. | 1,500. | - | 92,000. | | | 1.110 | 150,000. * | .444 | - | 147,000. | - | | .068 | 5.4 |
| 24 | 37 | 12-28-65 | 10,285- | 10,289 | 201ELBG | | - | 50. | 15,000. | 8,900. | 36,000. * | 670. | 500. | 44. | 110,000. | | | 1.110 | 170,000. * | .947 | - | 153,000. | .068 | 22.0 | .065 | 6.2 |
| 24 | 37 | 08-03-61 | 8,505- | 8,565 | 201ELBG | DT | - | TR | 2,400. | 830. | 20,000. * | 400. | 4,000. | - | 34,000. | | | 1.044 | 62,000. * | .216 | 5,000. | 73,600. | .123 | 24.0 | .136 | 6.7 |
| 24 | 37 | 04-28-65 | - | | 201ELBG | | - | - | 2,700. | 310. | 21,000. * | 300. | 2,800. | - | 35,000. | | | 1.045 | 62,000. * | .177 | - | 75,500. | - | | .133 | 7.5 |
| 24 | 38 | 04-24-65 | - | 12,000 | 201ELBG | FG | - | - | 3,000. | 190. | 16,000. * | 183. | 980. | - | 30,000. | | | 1.039 | 51,000. * | .234 | - | 64,300. | - | | .155 | 5.8 |
| 25 | 37 | 06-16-61 | 8,491- | 8,547 | 201ELBG | DT | - | - | 780. | 210. | 27,000. * | 370. | 3,000. | - | 41,000. | | | 1.056 | 72,000. * | .048 | - | 85,360. | .131 | 20.0 | .117 | 7.1 |
| 25 | 37 | 06-16-61 | 8,491- | 8,547 | 201ELBG | DT | - | - | 1,100. | 180. | 31,000. * | 840. | 2,600. | 0.0 | 49,000. | | | 1.066 | 85,000. * | .051 | - | 97,400. | .107 | 20.0 | .103 | 6.0 |
| 25 | 37 | 02-00-67 | - | | 201ELBG | TB | - | - | - | - | 23,000. * | - | - | - | 35,000. | | | 1.040 | - | - | 83,300. | - | - | | - | |
| 25 | 37 | 07-06-59 | 8,620- | | 201ELBG | | - | TR | - | - | 40,000. * | - | - | - | 62,000. | | | 1.072 | - | - | - | - | - | | - | 5.0 |
| 25 | 37 | 06-00-60 | - | | 201ELBG | ST | - | - | 11,000. | 5,500. | 13,000. * | 107. | 1,500. | - | 54,000. | | | 1.067 | 85,000. * | 1.755 | - | 96,700. | - | | .103 | |
| 25 | 37 | 02-00-67 | - | | 201ELBG | TB | - | - | - | - | 45,000. * | - | - | - | 69,000. | | | 1.076 | - | - | 136,000. | - | - | | - | |
| 25 | 37 | 06-24-60 | - | | 201ELBG | | - | - | 6,600. | 1,600. | 37,000. * | 157. | 1,500. | TR | 73,000. | | | 1.075 | 120,000. * | .288 | - | 128,000. | - | | .078 | 6.3 |
| 25 | 37 | 00-00-64 | 8,243- | 8,260 | 201ELBG | | - | - | 5,400. | 1,100. | 26,000. * | 832. | 1,400. | - | 57,000. | | | 1.067 | 92,000. * | .321 | - | 97,860. | - | | .102 | 6.7 |
| 25 | 37 | 05-21-59 | 8,200- | | 201ELBG | | - | - | 5,300. | 1,900. | 29,000. * | 397. | 850. | - | 59,000. | | | 1.073 | 96,000. * | .331 | - | 108,000. | - | | .092 | 6.5 |
| 25 | 37 | 00-00-64 | - | | 201ELBG | | - | - | 5,400. | 1,500. | 31,000. * | 214. | 1,200. | - | 60,000. | | | 1.071 | 99,000. * | .293 | - | 111,000. | - | | .090 | 6.8 |
| 24 | 37 | 03-29-57 | 9,711- | 9,721 | 202CNNL | TB | - | - | 28,000. | 1,800. | 52,000. * | 390. | 820. | - | 130,000. | | | 1.154 | 220,000. * | .680 | - | 179,000. | .052 | 21.0 | .056 | 6.7 |
| 24 | 37 | 04-09-57 | 9,711- | 9,721 | 202CNNL | | - | - | 28,000. | 1,400. | 54,000. * | 335. | 710. | - | 140,000. | | | 1.155 | 220,000. * | .633 | - | 181,000. | - | | .055 | 6.6 |
| 19 | 36 | 02-26-59 | 9,937- | 9,980 | 202MCKE | DT | - | HV | 22,000. | 3,000. | 56,000. * | 122. | 430. | - | 130,000. | | | 1.148 | 220,000. * | .556 | - | 186,000. | 4.600 | 27.0 | .056 | 6.0 |
| 19 | 37 | 00-00-64 | - | | 202MCKE | | - | - | 1,200. | 280. | 8,800. * | 575. | 1,000. | - | 15,000. | | | 1.019 | 27,000. * | .216 | - | 35,900. | - | | .279 | 7.0 |
| 20 | 37 | 02-15-60 | 09,890- | 09,926 | 202MCKE | DT | - | - | 10,000. | 1,300. | 16,000. * | 330. | 2,000. | - | 46,000. | | | 1.108 | 76,000. * | .902 | - | 84,700. | .055 | 23.0 | .118 | 6.6 |
| 20 | 38 | 04-23-56 | - | 9,100 | 202MCKE | ST | 10. | 21. | 14,000. | 3,800. | 41,000. | 222. | 600. | 0.0 | 100,000. | | | 1.104 | 1,660. | .566 | - | 151,000. | - | | .046 | 5.2 |

TABLE 4A.--WATER-QUALITY DATA FOR EDDY AND LEA COUNTIES, NEW MEXICO, ARRANGED BY BOTH FORMATION SOURCE AND GEOGRAPHIC LOCATION.

POOL: Justis - Blinebry

All values in Parts per Million - PPM.

| COMPANY | LOCATION | FORMATION | CODE | Chloride Cl. | Sodium Na. | Magesium Mg. | Calcium Ca. | Sulfate So4 | Sulfide H2S |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| | ~~23-25-37~~ | ~~Bli~~ | ~~Pw~~ | ~~175,200~~ ? | 39,100 | 2155 | 5730 | 1,375 | |
| Roswell sym | Pool | Bli | Pw | 166,000 | 112,000 | 1690 | 900 | - | |
| | | | | | | | | | |
| | | | | | | | | | |
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| | | |
|---|---|---|
| Pool Chloride Average (All Pool Formations). | Form. Bli. | 166,000 |
| Pool Formation Average - PPM Cl. | Form. | |
| Pool Formation Average - PPM Cl. | Form. | |
| Pool Formation Average - PPM Cl. | Form. | |

CODE:
WF = Water Flood Water
PW = Produced Water (Primary)
R = Reef water.

POOL: Justis - Glorieta

104

All values in Parts per Million - PPM.

| COMPANY | LOCATION | FORMATION | CODE | Chloride Cl. | Sodium Na. | Magesium Mg. | Calcium Ca. | Sulfate So4 | Sulfide H2S |
|---|---|---|---|---|---|---|---|---|---|
| — | 14-25-37 | Glor. | Pw. | 62,500 | 35,100 | 1920 | 3160 | 2850 | |
| | | | | | | | | | |
| | | | | | | | | | |
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| | | |
|---|---|---|
| Pool Chloride Average (All Pool Formations). | Form. | 6 |
| Pool Formation Average - PPM Cl. | Form. | |
| Pool Formation Average - PPM Cl. | Form. | |
| Pool Formation Average - PPM Cl. | Form. | |

CODE:

WF = Water Flood Water

PW = Produced Water (Primary)

R = Reef water.

Lea

POOL: Justis - Fusselman

All values in Parts per Million - PPM.

| COMPANY | LOCATION | FORMATION | CODE | Chloride Cl. | Sodium Na. | Magesium Mg. | Calcium Ca. | Sulfate So4 | Sulfide H2S |
|---|---|---|---|---|---|---|---|---|---|
| Atlantic-OCD | 25-25-37 | Fusselman | PW | 44,304 | 28,798 | | | | |
| — | 25-25-37 | Fuss | PW | 35,600 | — | 800 | 2680 | 1500 | |
| — | 25-25-37 | Fuss | PW | 36,440 | — | 306 | 1140 | 3000 | |
| — | 13-25-37 | Fuss | PW | 32,600 | 17,650 | 593 | 2730 | 1160 | |
| — | 25-25-37 | Fuss | PW | 36,000 | 19,530 | — | 2870 | — | |
| | | | | | | | | | |
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| | | |
|---|---|---|
| Pool Chloride Average (All Pool Formations). | Form. Fusselman | 36,000 |
| Pool Formation Average - PPM Cl. | Form. | |
| Pool Formation Average - PPM Cl. | Form. | |
| Pool Formation Average - PPM Cl. | Form. | |

CODE:

WF = Water Flood Water

PW = Produced Water (Primary)

R = Reef water.

Lea

POOL: Justis - Ellenburger

All values in Parts per Million - PPM.

| COMPANY | LOCATION | FORMATION | CODE | Chloride Cl. | Sodium Na. | Magesium Mg. | Calcium Ca. | Sulfate So4 | Sulfide H2S |
|---|---|---|---|---|---|---|---|---|---|
| Gulf - OCD | 13-25-37 | Ellen | PW | 66,030 | 42,920 | | | | |
| Tidewater Pos sym | Pool - 25-37 | Ellen | PW | 57,000 | 30,000 | 1700 | 5400 | 1880 | |
| | | | | | | | | | |
| | | | | | | | | | |
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| | | |
|---|---|---|
| Pool Chloride Average (All Pool Formations). | Form. | 61,515 |
| Pool Formation Average - PPM Cl. | Form. | |
| Pool Formation Average - PPM Cl. | Form. | |
| Pool Formation Average - PPM Cl. | Form. | |

CODE:

WF = Water Flood Water

PW = Produced Water (Primary)

R = Reef water.

*New Mexico Office of the State Engineer*
**Well Reports and Downloads**

Township: 24S Range: 37E Sections: 35

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

Owner Name: (First) (Last) O Non-Domestic O Domestic ● All

[redacted]

**WELL / SURFACE DATA REPORT 12/19/2001**

| DB File Nbr | (acre ft per annum) Use | Diversion | Owner | Well Number | (quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are biggest to smallest Source | Tws | Rng | Sec | q | q | q |
|---|---|---|---|---|---|---|---|---|---|---|---|

No Records found, try again

*New Mexico Office of the State Engineer*
**Well Reports and Downloads**

Township: 24S Range: 37E Sections: 36

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

Owner Name: (First) (Last) O Non-Domestic O Domestic ● All

[redacted]

**WELL / SURFACE DATA REPORT 12/19/2001**

| DB File Nbr | (acre ft per annum) Use | Diversion | Owner | Well Number | Source | (quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are biggest to smallest Tws | Rng | Sec | q | q | q |
|---|---|---|---|---|---|---|---|---|---|---|---|

No Records found, try again

*New Mexico Office of the State Engineer*
**Well Reports and Downloads**

Township: 25S Range: 37E Sections: 2

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

Owner Name: (First) (Last) ○ Non-Domestic ○ Domestic ● All

[redacted]

**WELL / SURFACE DATA REPORT 12/19/2001**

| DB File Nbr | (acre ft per annum) Use | Diversion | Owner | Well Number | Source | (quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are biggest to smallest Tws | Rng | Sec | q | q | q |
|---|---|---|---|---|---|---|---|---|---|---|---|

No Records found, try again

*New Mexico Office of the State Engineer*

**Well Reports and Downloads**

Township: 25S Range: 37E Sections: 1

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

Owner Name: (First) (Last) Non-Domestic Domestic All

[redacted]

WELL / SURFACE DATA REPORT 12/19/2001

| DB File Nbr | (acre ft per annum) Use | Diversion | Owner | Well Number | Source | (quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are biggest to smallest Tws | Rng | Sec | q | q | q |
|---|---|---|---|---|---|---|---|---|---|---|---|

No Records found, try again

# STATE ENGINEER OFFICE

## WELL RECORD

### Section 1. GENERAL INFORMATION

(A) Owner of well _____ Owner's Well No. _____
Street or Post Office Address _____
City and State _____

Well was drilled under Permit No. _____ and is located in the:

a. _____ ¼ _____ ¼ _____ ¼ _____ ¼ of Section _____ Township _____ Range _____ N.M.P.M.

b. Tract No. _____ of Map No. _____ of the _____

c. Lot No. _____ of Block No. _____ of the _____
Subdivision, recorded in _____ County.

d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in the _____ Grant.

(B) Drilling Contractor _____ License No. _____

Address _____

Drilling Began _____ Completed _____ Type tools _____ Size of hole _____ in.

Elevation of land surface or _____ at well is _____ ft. Total depth of well _____ ft.

Completed well is ☐ shallow ☐ artesian. Depth to water upon completion of well _____ ft.

### Section 2. PRINCIPAL WATER-BEARING STRATA

| Depth in Feet | | Thickness in Feet | Description of Water-Bearing Formation | Estimated Yield (gallons per minute) |
|---|---|---|---|---|
| From | To | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

### Section 3. RECORD OF CASING

| Diameter (inches) | Pounds per foot | Threads per in. | Depth in Feet | | Length (feet) | Type of Shoe | Perforations | |
|---|---|---|---|---|---|---|---|---|
| | | | Top | Bottom | | | From | To |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

### Section 4. RECORD OF MUDDING AND CEMENTING

| Depth in Feet | | Hole Diameter | Sacks of Mud | Cubic Feet of Cement | Method of Placement |
|---|---|---|---|---|---|
| From | To | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

### Section 5. PLUGGING RECORD

Plugging Contractor _____
Address _____
Plugging Method _____
Date Well Plugged _____
Plugging approved by:

_____
State Engineer Representative

| No. | Depth in Feet | | Cubic Feet of Cement |
|---|---|---|---|
| | Top | Bottom | |
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |

FOR USE OF STATE ENGINEER ONLY

Date Received Typed 11/10/77

Quad _____ FWL _____ FSL _____

File No. _____ Use Oil Location No. 25.37.1.131344

Section 6. LOG OF HOLE

| Depth in Feet From | Depth in Feet To | Thickness in Feet | Color and Type of Material Encountered |
|---|---|---|---|
| 0 | 120 | | Caliche - sand |
| 120 | 960 | | Red bed |

ILLEGIBLE

L S Elev _____

Depth to K_____Trc_____

Elev of K_____Trc_____

Loc. No._____

Hydro. Survey_____Field Check_____

SOURCE OF ALTITUDE GIVEN

Interpolated from Topo. Sheet_____

Determined by Inst. Leveling_____

Other_____

Section 7. REMARKS AND ADDITIONAL INFORMATION

This log is an excerpt from Oil Conservation Commission file at Hobbs, New Mexico.

Location: 25.37.1.131344 Elevation: 3138 KB
1980 FNL - 330 FWL
Owner: National Coop. RFG. Assoc. -- Westates Fed. #4
Casing: 13 3/8" - 234'
Rotary tools

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

--

Driller

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the appropriate district office of the State Engineer. All questions, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1(a) and Section 6 need be completed.

Revised June 1972

STATE ENGINEER OFFICE

# WELL RECORD

## Section 1. GENERAL INFORMATION

(A) Owner of well _____ Owner's Well No. _____
Street or Post Office Address _____
City and State _____

Well was drilled under Permit No. _____ and is located in the:

a. _____ ¼ _____ ¼ _____ ¼ _____ ¼ of Section _____ Township _____ Range _____ N.M.P.M.

b. Tract No. _____ of Map No. _____ of the _____

c. Lot No. _____ of Block No. _____ of the _____
Subdivision, recorded in _____ County.

d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in the _____ Grant.

(B) Drilling Contractor _____ License No. _____

Address _____

Drilling Began _____ Completed _____ Type tools _____ Size of hole _____ in.

Elevation of land surface or _____ at well is _____ ft. Total depth of well _____ ft.

Completed well is ☐ shallow ☐ artesian. Depth to water upon completion of well _____ ft.

## Section 2. PRINCIPAL WATER-BEARING STRATA

| Depth in Feet | | Thickness in Feet | Description of Water-Bearing Formation | Estimated Yield (gallons per minute) |
|---|---|---|---|---|
| From | To | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

## Section 3. RECORD OF CASING

| Diameter (inches) | Pounds per foot | Threads per in. | Depth in Feet | | Length (feet) | Type of Shoe | Perforations | |
|---|---|---|---|---|---|---|---|---|
| | | | Top | Bottom | | | From | To |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

## Section 4. RECORD OF MUDDING AND CEMENTING

| Depth in Feet | | Hole Diameter | Sacks of Mud | Cubic Feet of Cement | Method of Placement |
|---|---|---|---|---|---|
| From | To | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

## Section 5. PLUGGING RECORD

Plugging Contractor _____
Address _____
Plugging Method _____
Date Well Plugged _____
Plugging approved by:

_____
State Engineer Representative

| No. | Depth in Feet | | Cubic Feet of Cement |
|---|---|---|---|
| | Top | Bottom | |
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |

FOR USE OF STATE ENGINEER ONLY

Date Received Typed 11/10/77

Quad _____ FWL _____ FSL _____

File No. _____ Use Oil Location No. 25.37.1.14100

Section 6. LOG OF HOLE

| Depth in Feet From | Depth in Feet To | Thickness in Feet | Color and Type of Material Encountered |
|---|---|---|---|
| 0 | 153 | | Sand and caliche |
| 153 | 477 | | Red bed |

ILLEGIBLE

L S Elev _____

Depth to K_____Trc_____

Elev of K_____Trc_____

Loc. No._____

Hydro. Survey_____Field Check_____

SOURCE OF ALTITUDE GIVEN

Interpolated from Topo. Sheet_____

Determined by Inst. Leveling_____

Other_____

Section 7. REMARKS AND ADDITIONAL INFORMATION

This log is an excerpt from Oil Conservation Commission file at Hobbs, New Mexico.

Location: 25.37.1.14100
1650 FNL and 1650 FWL
Owner: Oil Development Co. of Texas
Casing: 13 3/8" - 143'
Rotary tools

Elevation: 3122 DF

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

Driller

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the appropriate district office of the State Engineer. All questions, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1(a) and Section 6 need be completed.

Revised June 1972

STATE ENGINEER OFFICE

# WELL RECORD

## Section 1. GENERAL INFORMATION

(A) Owner of well _____ Owner's Well No. _____
Street or Post Office Address _____
City and State _____

Well was drilled under Permit No. _____ and is located in the:

a. _____ ¼ _____ ¼ _____ ¼ _____ ¼ of Section _____ Township _____ Range _____ N.M.P.M.

b. Tract No. _____ of Map No. _____ of the _____

c. Lot No. _____ of Block No. _____ of the _____
Subdivision, recorded in _____ County.

d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in the _____ Grant.

(B) Drilling Contractor _____ License No. _____

Address _____

Drilling Began _____ Completed _____ Type tools _____ Size of hole _____ in.

Elevation of land surface or _____ at well is _____ ft. Total depth of well _____ ft.

Completed well is ☐ shallow ☐ artesian. Depth to water upon completion of well _____ ft.

## Section 2. PRINCIPAL WATER-BEARING STRATA

| Depth in Feet | | Thickness in Feet | Description of Water-Bearing Formation | Estimated Yield (gallons per minute) |
|---|---|---|---|---|
| From | To | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

## Section 3. RECORD OF CASING

| Diameter (inches) | Pounds per foot | Threads per in. | Depth in Feet | | Length (feet) | Type of Shoe | Perforations | |
|---|---|---|---|---|---|---|---|---|
| | | | Top | Bottom | | | From | To |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

## Section 4. RECORD OF MUDDING AND CEMENTING

| Depth in Feet | | Hole Diameter | Sacks of Mud | Cubic Feet of Cement | Method of Placement |
|---|---|---|---|---|---|
| From | To | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

## Section 5. PLUGGING RECORD

Plugging Contractor _____
Address _____
Plugging Method _____
Date Well Plugged _____
Plugging approved by:

_____
State Engineer Representative

| No. | Depth in Feet | | Cubic Feet of Cement |
|---|---|---|---|
| | Top | Bottom | |
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |

FOR USE OF STATE ENGINEER ONLY

Date Received Typed 11/10/77

Quad _____ FWL _____ FSL _____

File No. _____ Use Oil Location No. 25.37.1.33000

Section 6. LOG OF HOLE

| Depth in Feet From | Depth in Feet To | Thickness in Feet | Color and Type of Material Encountered |
|---|---|---|---|
| 0 | 41 | | Caliche |
| 41 | 682 | | Red bed |
| | | | ILLEGIBLE |
| No water | reported. | | |
| | | | L S Elev 3124' |
| | | | Depth to K Trc 477 |
| | | | Elev of K Trc 2647 |
| | | | Loc. No. |
| | | | Hydro. Survey Field Check |
| | | | SOURCE OF ALTITUDE GIVEN |
| | | | Interpolated from Topo. Sheet |
| | | | Determined by Inst. Leveling |
| | | | Other |

Section 7. REMARKS AND ADDITIONAL INFORMATION

This log is an excerpt from Oil Conservation Commission file at Hobbs, New Mexico.

Location: 25.37.1.33000
660 FSL and 660 FWL
Elevation: 3124
Owner: Cities Service Corp. -- Hodges B #1
Casing: 13 3/8" - 311'

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

--

Driller

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the appropriate district office of the State Engineer. All questions, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1(a) and Section need be completed.