

| | | | | |
|--------|---------|----|----|-----|
| 5/6/97 | 5/27/97 | BS | NV | WFX |
|--------|---------|----|----|-----|

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

719

ADMINISTRATIVE APPLICATION COVERSHEET

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS

Application Acronyms:

[NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location]
 [DD-Directional Drilling] [SD-Simultaneous Dedication]
 [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
 [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
 [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
 [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
 [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] TYPE OF APPLICATION - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Directional Drilling
☐ NSL ☐ NSP ☐ DD ☐ SD

MAY - 6 1997

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☒ WFX ☐ PMX ☐ SWD ☒ IPI ☐ EOR ☐ PPR

[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or ☐ Does Not Apply

- [A] ☐ Working, Royalty or Overriding Royalty Interest Owners
- [B] ☒ Offset Operators, Leaseholders or Surface Owner
- [C] ☒ Application is One Which Requires Published Legal Notice
- [D] ☒ Notification and/or Concurrent Approval by BLM or SLO
 U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
- [E] ☒ For all of the above, Proof of Notification or Publication is Attached, and/or,
- [F] ☐ Waivers are Attached

[3] INFORMATION / DATA SUBMITTED IS COMPLETE - Statement of Understanding

I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common. I further verify that all applicable API Numbers are included. I understand that any omission of data, information or notification is cause to have the application package returned with no action taken.

Note: Statement must be completed by an individual with supervisory capacity.

E. L. Buttross, Jr.

Print or Type Name

E. L. Buttross Jr.
 Signature

District Engineer

Title

5/2/97

CHECKLIST for ADMINISTRATIVE INJECTION APPLICATIONS

Operator: Daniel F. Jones, Inc. Well: West Reg. 1st E - 6 W 4 N 1 S

Contact: Daniel F. Jones Title: Asst. Mgr. Phone:

DATE IN 5-4-97 RELEASE DATE 5-27-97 DATE OUT 8-1-97

Proposed Injection Application is for: 2 WATERFLOOD 1 Expansion Initial

Original Order: R- 3441 1 Secondary Recovery Pressure Maintenance

~~SENSITIVE AREAS~~

SALT WATER DISPOSAL Commercial Well

WIPP Capitan Reef

Data is complete for proposed well(s)? YES Additional Data Req'd

AREA of REVIEW WELLS

2 Total # of AOR 10 # of Plugged Wells

YES Tabulation Complete YES Schematics of P & A's

YES Cement Tops Adequate YES AOR Repair Required

INJECTION FORMATION

Injection Formation(s) Salt Water Disposal Compatible Analysis YES

Source of Water or Injectate Water from 1st E - 6 W 4 N 1 S

PROOF of NOTICE

YES Copy of Legal Notice

YES Information Printed Correctly

YES Correct Operators

YES Copies of Certified Mail Receipts

NO Objection Received

Set to Hearing Date

NOTES:

APPLICATION QUALIFIES FOR ADMINISTRATIVE APPROVAL? YES

COMMUNICATION WITH CONTACT PERSON:

1st Contact: 1 Telephoned Letter Date Nature of Discussion FOR RECORD APPROVAL

2nd Contact: Telephoned Letter Date Nature of Discussion

3rd Contact: Telephoned Letter Date Nature of Discussion

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: XX Secondary Recovery Pressure Maintenance Disposal Storage
Application qualifies for administrative approval? X Yes No
- II. OPERATOR: Devon Energy Corporation (Nevada)
ADDRESS: 20 N. Broadway, Ste 1500, Oklahoma City, OK 73102
CONTACT PARTY: E. L. Buttross, (405) 235-3611 PHONE: ext 4509
- III. WELL DATA: Complete the data required on the reverse side of this form for each well processed for injection. Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project: XX Yes No
If yes, give the Division order number authorizing the project R-3469
- 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. REFER TO ATTACHMENT V
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. REFER TO ATTACHMENT VI
- 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.). REFER TO ATTACHMENT VII
- *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 sources known to be immediately underlying the injection interval. REFER TO ATTACHMENT VIII
- IX. Describe the proposed stimulation program, if any. Will acidize perforations with 5000 gals 15% NEFE
- * X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted.) PREVIOUSLY FILED
- * 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. ATTACHMENT XI
- 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. REFER TO ATTACHMENT XII
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form. REFER TO ATTACHMENT XIII
- 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: E. L. Buttross, Jr. TITLE: District Engineer
SIGNATURE: E. L. Buttross Jr. DATE: 5/2/97
- * 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 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, PO Box 2088, Santa Fe, NM 87504-2088 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.



ENERGY CORPORATION

20 North Broadway, Suite 1500
Oklahoma City, Oklahoma 73102-8260

Telephone 405/235-3611
FAX 405/552-4550

May 2, 1997

State of New Mexico
Energy, Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 88505

Attention: Ben Stone

**RE: West Red Lake Unit #18, #25, #35, #50, #62, & #72
Sections 8 & 9-T18S-R27E
Eddy County, New Mexico**

Gentlemen:

Enclosed please find our Application for Authorization to Inject for each of the above captioned wells.

Devon Energy Corporation also requests that the maximum injection pressures for these wells be higher than .2 psi per foot of depth to the uppermost injection perforation. This request is based on the data in Table I which shows the frac gradients obtained from stimulation treatments to be higher. In our previous application dated 1/29/97 for other injection wells in the West Red Lake Unit, we requested higher maximum injection pressures using the same type of data. Your Administrative Order No. WFX-708 subsequently granted higher maximum injection pressures.

If you have any questions, please give me a call at 405-552-4509.

Sincerely,

A handwritten signature in cursive script, reading "E. Buttross".

Ernie Buttross
District Engineer

| TABLE I | | | | |
|---------------------------------------|---------------------------|------------------------------|--|--|
| INJECTION WELLHEAD PRESSURE GRADIENTS | | | | |
| WEST RED LAKE UNIT | | | | |
| W. RED LAKE UNIT WELL NO. | DEPTH TO TOP PERF (FT) | FRAC GRADIENT (PSI/FT) | WELLHEAD PRESSURE GRADIENT (PSI/FT) | |
| 18 | 1690 | 1.15 | 0.68 | |
| 25 | 1750 | 1.07 | 0.60 | |
| 35 | 1863 | 1.09 | 0.62 | |
| 50 | 1644 | 1.35 | 0.88 | |
| 62 | 1894 | 1.09 | 0.62 | |
| 72 | 1208 | 1.20 | 0.73 | |
| | | | | |
| | | | | |

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other -----

2. Name of Operator
DEVON ENERGY CORPORATION (NEVADA)

3. Address and Telephone No.
20 NORTH BROADWAY, SUITE 1500, OKLAHOMA CITY, OKLAHOMA 73102 (405) 235-3611

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
660' FNL & 660' FWL of Section 8-18S-27E

5. Lease Designation and Serial No.

6. If Indian, Allottee or Tribe Name
N/A

7. If Unit or CA, Agreement Designation
West Red Lake Unit 8910089700

8. Well Name and No.
West Red Lake Unit #18

9. API Well No.

10. Field and Pool, or Exploratory Area
Red Lake (Q, GB, SA)

11. County or Parish, State
Eddy County, NM

CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | |
|---|---|--|
| <input type="checkbox"/> Notice of Intent | <input type="checkbox"/> Abandonment | <input type="checkbox"/> Change of Plans |
| <input type="checkbox"/> Subsequent Report | <input type="checkbox"/> Recompletion | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Final Abandonment Notice | <input type="checkbox"/> Plugging Back | <input type="checkbox"/> Non-Routine Fracturing |
| | <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Water Shut-Off |
| | <input type="checkbox"/> Altering Casing | <input type="checkbox"/> Conversion to Injection |
| | <input checked="" type="checkbox"/> Other <u>conversion</u> | <input type="checkbox"/> Dispose Water |

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

13. 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.)*

Devon Energy is in the process of filing an application with the New Mexico OCD to convert the above referenced well to a water injection well. See attached application for details.

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

Signed Diana Keys

Diana Keys

Title Engineering Technician

Date 5/2/97

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

UNITED STATES
DEPARTMENT OF THE INTERIOR
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SUBMIT IN TRIPLICATE

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other -----

2. Name of Operator
DEVON ENERGY CORPORATION (NEVADA)

3. Address and Telephone No.
20 NORTH BROADWAY, SUITE 1500, OKLAHOMA CITY, OKLAHOMA 73102 (405) 235-3611

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
121' FNL & 1003' FEL of Section 8-18S-27E

5. Lease Designation and Serial No.
LC-054205

6. If Indian, Allottee or Tribe Name
N/A

7. If Unit or CA, Agreement Designation
West Red Lake Unit 8910089700

8. Well Name and No.
West Red Lake Unit #25

9. API Well No.

10. Field and Pool, or Exploratory Area
Red Lake (Q, GB, SA)

11. County or Parish, State
Eddy County, NM

CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | |
|---|---|--|
| <input type="checkbox"/> Notice of Intent | <input type="checkbox"/> Abandonment | <input type="checkbox"/> Change of Plans |
| <input type="checkbox"/> Subsequent Report | <input type="checkbox"/> Recompletion | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Final Abandonment Notice | <input type="checkbox"/> Plugging Back | <input type="checkbox"/> Non-Routine Fracturing |
| | <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Water Shut-Off |
| | <input type="checkbox"/> Altering Casing | <input type="checkbox"/> Conversion to Injection |
| | <input checked="" type="checkbox"/> Other <u>conversion</u> | <input type="checkbox"/> Dispose Water |

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

13. 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.)*

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

Signed *Diana Keys* Title Engineering Technician Date 5/2/97
(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

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 to any matter within its jurisdiction.

***See Instruction on Reverse Side**

UNITED STATES
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Expires March 31, 1993

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SUBMIT IN TRIPLICATE

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other -----

2. Name of Operator
DEVON ENERGY CORPORATION (NEVADA)

3. Address and Telephone No.
20 NORTH BROADWAY, SUITE 1500, OKLAHOMA CITY, OKLAHOMA 73102 (405) 235-3611

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
330' FNL & 240' FWL of Section 9-18S-27E

5. Lease Designation and Serial No.
NM-7721

6. If Indian, Allottee or Tribe Name
N/A

7. If Unit or CA, Agreement Designation
West Red Lake Unit 8910089700

8. Well Name and No.
West Red Lake Unit #35

9. API Well No.
30-015-27473

10. Field and Pool, or Exploratory Area
Red Lake (Q, GB, SA)

11. County or Parish, State
Eddy County, NM

CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION |
|---|---|
| <input type="checkbox"/> Notice of Intent | <input type="checkbox"/> Abandonment |
| <input type="checkbox"/> Subsequent Report | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Final Abandonment Notice | <input type="checkbox"/> Plugging Back |
| | <input type="checkbox"/> Casing Repair |
| | <input type="checkbox"/> Altering Casing |
| | <input checked="" type="checkbox"/> Other <u>conversion</u> |
| | <input type="checkbox"/> Change of Plans |
| | <input type="checkbox"/> New Construction |
| | <input type="checkbox"/> Non-Routine Fracturing |
| | <input type="checkbox"/> Water Shut-Off |
| | <input type="checkbox"/> Conversion to Injection |
| | <input type="checkbox"/> Dispose Water |

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

13. 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.)*

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

Signed Diana Keys
(This space for Federal or State office use)

Diana Keys

Title Engineering Technician

Date 5/2/97

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

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Expires March 31, 1993

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SUBMIT IN TRIPLICATE

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other _____

2. Name of Operator
DEVON ENERGY CORPORATION (NEVADA)

3. Address and Telephone No.
20 NORTH BROADWAY, SUITE 1500, OKLAHOMA CITY, OKLAHOMA 73102 (405) 235-3611

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
990' FNL & 1700' FWL of Section 8-18S-27E

5. Lease Designation and Serial No.
NM-7713

6. If Indian, Allottee or Tribe Name
N/A

7. If Unit or CA, Agreement Designation
West Red Lake Unit 8910089700

8. Well Name and No.
West Red Lake Unit #50

9. API Well No.
30-015-26428

10. Field and Pool, or Exploratory Area
Red Lake (Q, GB, SA)

11. County or Parish, State
Eddy County, NM

CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | |
|---|---|--|
| <input type="checkbox"/> Notice of Intent | <input type="checkbox"/> Abandonment | <input type="checkbox"/> Change of Plans |
| <input type="checkbox"/> Subsequent Report | <input type="checkbox"/> Recompletion | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Final Abandonment Notice | <input type="checkbox"/> Plugging Back | <input type="checkbox"/> Non-Routine Fracturing |
| | <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Water Shut-Off |
| | <input type="checkbox"/> Altering Casing | <input type="checkbox"/> Conversion to Injection |
| | <input checked="" type="checkbox"/> Other <u>conversion</u> | <input type="checkbox"/> Dispose Water |

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

13. 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.)*

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

Signed Diana Keys

Diana Keys

Title Engineering Technician

Date 5/2/97

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

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 to any matter within its jurisdiction.

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SUBMIT IN TRIPLICATE

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other -----

2. Name of Operator
DEVON ENERGY CORPORATION (NEVADA)

3. Address and Telephone No.
20 NORTH BROADWAY, SUITE 1500, OKLAHOMA CITY, OKLAHOMA 73102 (405) 235-3611

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
990' FNL & 990' FWL of Section 9-18S-27E

5. Lease Designation and Serial No.
NM-7721

6. If Indian, Allottee or Tribe Name
N/A

7. If Unit or CA, Agreement Designation
West Red Lake Unit 8910089700

8. Well Name and No.
West Red Lake Unit #62

9. API Well No.
30-015-28734

10. Field and Pool, or Exploratory Area
Red Lake (Q, GB, SA)

11. County or Parish, State
Eddy County, NM

CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION |
|---|---|
| <input type="checkbox"/> Notice of Intent | <input type="checkbox"/> Abandonment |
| <input type="checkbox"/> Subsequent Report | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Final Abandonment Notice | <input type="checkbox"/> Plugging Back |
| | <input type="checkbox"/> Casing Repair |
| | <input type="checkbox"/> Altering Casing |
| | <input checked="" type="checkbox"/> Other <u>conversion</u> |
| | <input type="checkbox"/> Change of Plans |
| | <input type="checkbox"/> New Construction |
| | <input type="checkbox"/> Non-Routine Fracturing |
| | <input type="checkbox"/> Water Shut-Off |
| | <input type="checkbox"/> Conversion to Injection |
| | <input type="checkbox"/> Dispose Water |

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

13. 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.)*

Devon Energy is in the process of filing an application with the New Mexico OCD to convert the above referenced well to a water injection well. See attached application for details.

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

Signed *Diana Keys*
(This space for Federal or State office use)

Diana Keys

Title Engineering Technician

Date 5/2/97

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

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***See Instruction on Reverse Side**

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other -----

2. Name of Operator
DEVON ENERGY CORPORATION (NEVADA)

3. Address and Telephone No.
20 NORTH BROADWAY, SUITE 1500, OKLAHOMA CITY, OKLAHOMA 73102 (405) 235-3611

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1400' FNL & 2100' FWL of Section 8-18S-27E

5. Lease Designation and Serial No.
NM-7716

6. If Indian, Allottee or Tribe Name
N/A

7. If Unit or CA, Agreement Designation
West Red Lake Unit 8910089700

8. Well Name and No.
West Red Lake Unit #72

9. API Well No.
30-015-28941

10. Field and Pool, or Exploratory Area
Red Lake (Q, GB, SA)

11. County or Parish, State
Eddy County, NM

CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION |
|---|---|
| <input type="checkbox"/> Notice of Intent | <input type="checkbox"/> Abandonment |
| <input type="checkbox"/> Subsequent Report | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Final Abandonment Notice | <input type="checkbox"/> Plugging Back |
| | <input type="checkbox"/> Casing Repair |
| | <input type="checkbox"/> Altering Casing |
| | <input checked="" type="checkbox"/> Other <u>conversion</u> |
| | <input type="checkbox"/> Change of Plans |
| | <input type="checkbox"/> New Construction |
| | <input type="checkbox"/> Non-Routine Fracturing |
| | <input type="checkbox"/> Water Shut-Off |
| | <input type="checkbox"/> Conversion to Injection |
| | <input type="checkbox"/> Dispose Water |

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

13. 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.)*

Devon Energy is in the process of filing an application with the New Mexico OCD to convert the above referenced well to a water injection well. See attached application for details.

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

Signed Diana Keys Title Engineering Technician Date 5/2/97
(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

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 to any matter within its jurisdiction.

***See Instruction on Reverse Side**

ATTACHMENT III (tabular)

Well Data

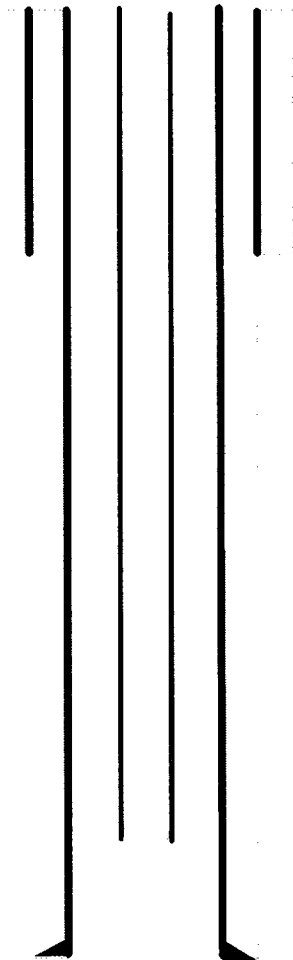
- A.
- (1) West Red Lake #18
660' FNL & 660' FWL
Section 8-18S-27E
Eddy County, NM
 - (2) Please refer to the wellbore schematic labeled Attachment III - (schematic)
Surface: 8-5/8" @ 978' w/100 sxs cmt, TOC calculated @ surf
Intermediate: 7" @ 1146' w/100 sxs cmt, TOC calculated @ surf
TO BE RUN
Production: 4-1/2" @ 2100' w/200 sxs cmt, TOC @ surf
(Also see schematic for any existing tbg and/or liner used)
 - (3) Tbg will be 2-3/8" fiberglass or internally coated, set @ 1600' +/-.
 - (4) We will use a 4-1/2" x 2-3/8" plastic coated AD-1 tension packer to be set @ 1600' +/-.
- B.
- (1) The injection formations will be the San Andres in the Red Lake (Q-GB-SA) Field.
 - (2) The proposed interval will be approximately +/- 1690-1990' . The injection interval will be through new perforations +/- 1690-1990'
 - (3) This well was originally drilled and completed as an oil well. It produced from the Grayburg/San Andres Formations.
 - (4) Please refer to the wellbore schematic labeled Attachment III (schematic) for depths of other perforated intervals and detail on the sacks of cement.
 - (5) There are no known lower oil formations.

DEVON ENERGY CORPORATION - WELLBORE SCHEMATIC

ATTACHMENT III

| | | | |
|---|----------------------|--------------------|------------|
| WELL NAME: West Red Lake #18 | | FIELD: Red Lake | |
| LOCATION: 660' FNL & 660' FWL "D" of Sec. 8-18S-27E | | COUNTY: Eddy | STATE: NM |
| ELEVATION: 3414' | | SPUD DATE: 6/14/44 | COMP DATE: |
| API#: 30-015- 00828 | PREPARED BY: D. Keys | DATE: 3/10/97 | |

| | DEPTH | SIZE | WEIGHT | GRADE | THREAD | HOLE SIZE |
|---------|------------|--------|--------|-------|--------|-----------|
| CASING: | 0' - 978' | 8-5/8" | | | | |
| CASING: | 0' - 1146' | 7" | | | | |
| CASING: | | | | | | |
| TUBING: | 0' - 1700' | 2" | | | | |
| TUBING: | | | | | | |



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY CORPORATION

8-5/8" csg @ 978', cmt w/100 sxs, TOC calc @ surface

2" tbg @ 1700'

7" @ 1146' w/100 sxs cmt, TOC calc @ surface

OH 1695-1735' (shot)

Top of fill 1722' (5/65)

PBTD 1735

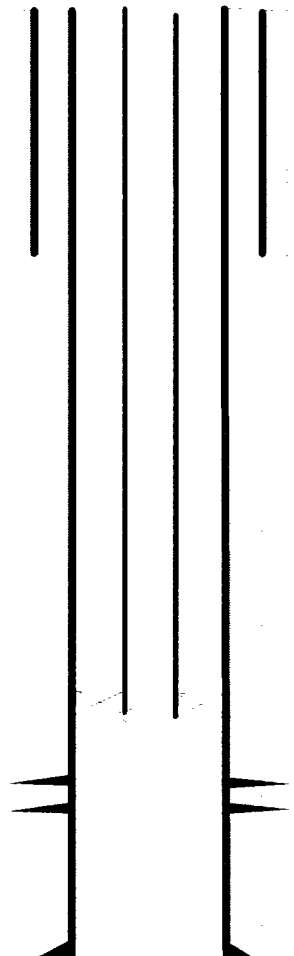
TD 1976'

DEVON ENERGY CORPORATION - WELLBORE SCHEMATIC

ATTACHMENT III

| | | | |
|---|----------------------|--------------------|------------|
| WELL NAME: West Red Lake #18 | | FIELD: Red Lake | |
| LOCATION: 660' FNL & 660' FWL "D" of Sec. 8-18S-27E | | COUNTY: Eddy | STATE: NM |
| ELEVATION: 3414' | | SPUD DATE: 6/14/44 | COMP DATE: |
| API#: 30-015- 00828 | PREPARED BY: D. Keys | DATE: 4/29/97 | |

| | DEPTH | SIZE | WEIGHT | GRADE | THREAD | HOLE SIZE |
|---------|------------|--------|--------|-------|--------|-----------|
| CASING: | 0' - 978' | 8-5/8" | | | | |
| CASING: | 0' - 1146' | 7" | | | | |
| CASING: | | | | | | |
| TUBING: | 0' - 1600' | 2-3/8" | | | | |
| TUBING: | | | | | | |



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY CORPORATION

8-5/8" csg @ 978', cmt w/100 sxs, TOC calc @ surf

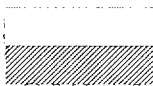
2-3/8" tbg @ 1600' w/pkr.

INJECTION INTERVAL

1690-1990'

7" @ 1146' w/100 sxs cmt. TOC calc @ surface.

OH 1695-1735' shot

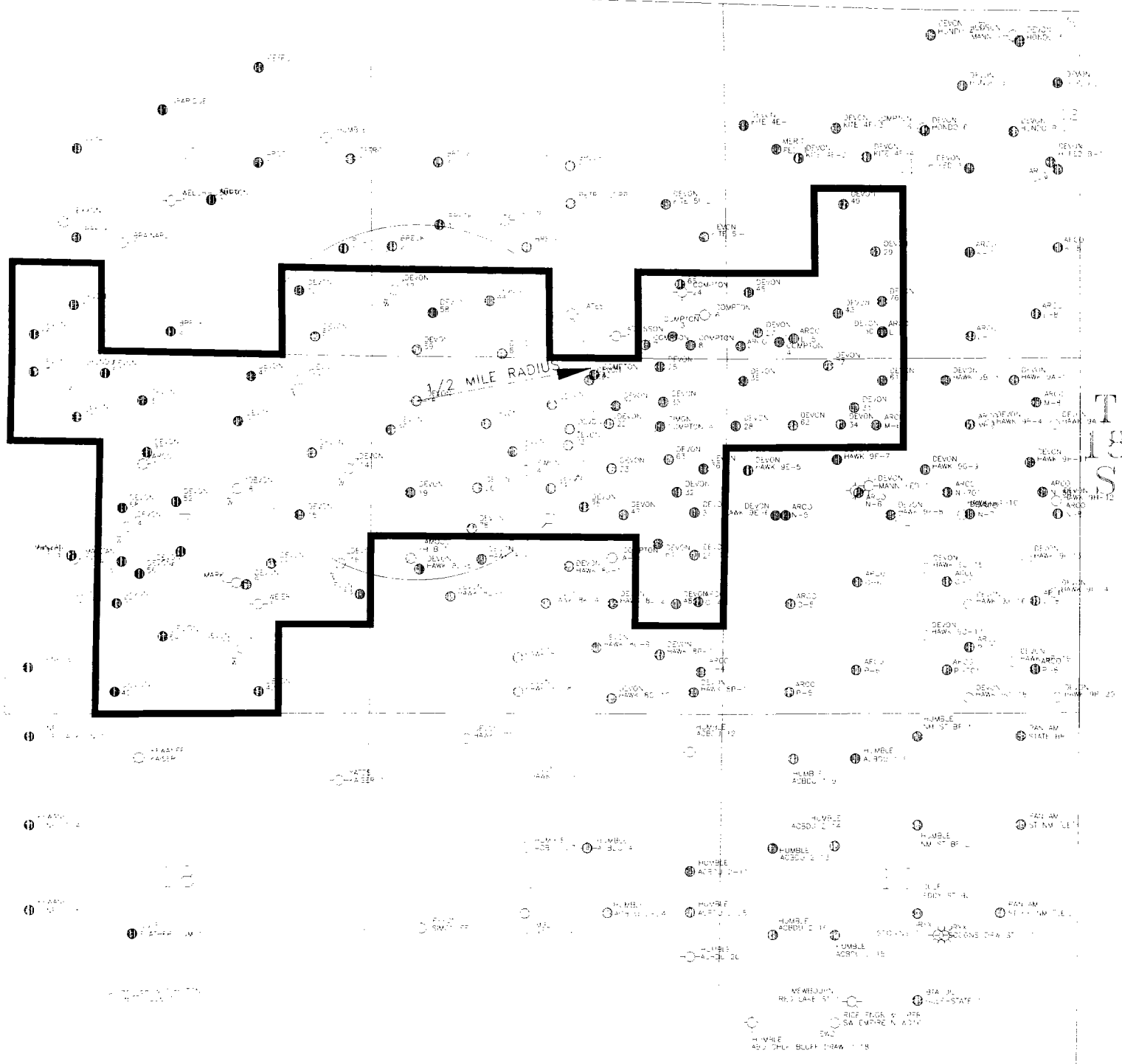


Top of fill 1722' (5/65)

PBTD 1735

TD 1976'

R 27 E



devon ATTACHMENT IV

WEST RED LAKE AREA
EDDY COUNTY NEW MEXICO

WEST RED LAKE UNIT #18
WELLS WITHIN 1/2 MILE RADIUS

PROPOSED INJECTOR

Scale in Feet
1 000 2 000 4 000 8 000

Attachment VII

Devon Energy Corporation
West Red Lake #18
660' FNL & 660' FWL
Section 8-18S-27E
Eddy County, NM

Proposed Operation:

1. Plans are to inject 800 barrels of produced water per day.
2. The Injection system will be a closed system.
3. The proposed injection pressure is 800 psig. Maximum pressure will be .66 psi/ft of depth to the top perforation (see attached memo).
4. The injection fluid will be Grayburg/San Andres produced water.
5. See attached water analysis.

Attachment VIII

Devon Energy Corporation
West Red Lake #18
660' FNL & 660' FWL
Section 8-18S-27E
Eddy County, NM

Geology and Lithology

Injection zones are dolomite porosity zones within the San Andres formations at an average depth of +/- 1690-1990'. Specifically they are:

San Andres

Fresh Water Zones

Base of near surface aquifer 500'. No fresh water zones exist below the proposed injection interval.

Attachment XII

Devon Energy Corporation
West Red Lake #18
660' FNL & 660' FWL
Section 8-18S-27E
Eddy County, NM

No evidence of fault communication between the shallow aquifers and the proposed injection zones has been encountered as the result of detailed studied of formations in West Red Lake Unit.

Proof of Notice

Devon Energy Operating Corporation operates the West Red Lake Unit in Sections 7, 8 and 9 of 18S-27E. Eddy County, NM. Operators operating in area of review:

Breck
Yates
Arco
Amoco
Compton
Simon

Each of these operators were provided a letter and a copy of our application by certified mail. Copies of the letters are enclosed, proof of notice will follow.

The Bureau of Land Management is the surface owner. They have been notified by letter with a copy of our application.

Proof of Publication

Proof of Publication from the Carlsbad Current-Argus is enclosed.

ATTACHMENT III (tabular)

Well Data

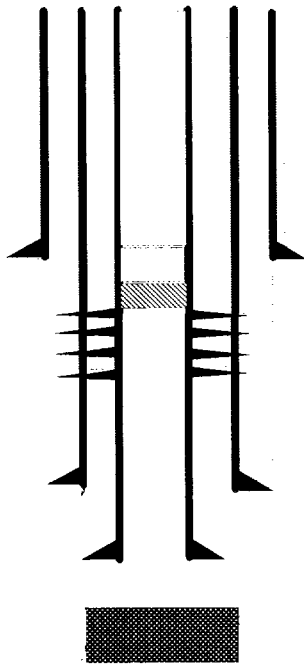
- A. (1) West Red Lake #25 (formerley Pitcher #5)
250' FNL & 990' FEL
Section 818S-27E
Eddy County, NM
- (2) Please refer to the wellbore schematic labeled Attachment III - (schematic)
Surface: 10" @ 600', no cmt volume available
Intermediate: 8-1/4" 36# @ 1090', no cmt volume available.
Intermediate: 7" @ 1147', TOC 50' outside of 7" csg, (P&A)
TO BE RUN:
Production: 4-12" @ 2100' w/200 sxs cmt, TOC @ surf.
- (Also see schematic for any existing tbg and/or liner used)
- (3) Tbg will be 2-3/8" fiberglass or internally coated, set @ 1675' +/-.
- (4) We will use a 4-1/2" x 2-3/8" plastic coated AD-1 tension packer to be set @ 1675' +/-.
- B. (1) The injection formations will be the San Andres in the Red Lake (Q-GB-SA) Field.
- (2) The proposed interval will be approximately +/- 1750-2050'. The injection interval will be through existing perforations +/- 1750-2050'
- (3) This well was originally drilled and completed as an oil well. It produced from the Grayburg/San Andres Formations.
- (4) Please refer to the wellbore schematic labeled Attachment III (schematic) for depths of other perforated intervals and detail on the sacks of cement.
- (5) There are no known lower oil formations.

DEVON ENERGY CORPORATION - WELLBORE SCHEMATIC

ATTACHMENT III

WELL NAME: West Red Lake # 25 (Pitcher #5) FIELD: Red Lake
 LOCATION: 250' FNL & 990' FEL Section 8-18S-27E COUNTY: Eddy STATE: NM
 ELEVATION: "unknown" SPUD DATE: 11/28/31 COMP DATE: 10/15/85 (P&A comp)
 API#: 30-015- PREPARED BY: D. Keys DATE: 3/10/97

| | DEPTH | SIZE | WEIGHT | GRADE | THREAD | HOLE SIZE |
|---------|---------|--------|--------|-------|--------|-----------|
| CASING: | 0-600' | 10" | 42 | | 8 | |
| CASING: | 0-1090' | 8-1/4" | 36 | | 8 | |
| CASING: | | | | | | |
| TUBING: | | | | | | |
| TUBING: | | | | | | |



OPERATOR: DEVON ENERGY CORPORATION

P&A effective 10/15/85.

150 sxs cl "H" f/765 to surf.

10" 42# csg @ 600', no cmt volume reported

30' cmt on top of cmt retr. TOC 765'

Cmt retainer set @ 785'. Cmt'd w/240 sx "H" cmt, TOC 50' outside 7"

Perf'd 7" csg w/4 holes @ 838'.

8-1/4" 36# csg @ 1090'. no cmt volume reported

7" @ 1147' (9/48)

OH completion (original)

75 sxs cl "H" net across OH 1245-1147'. (10/85 - P&A operations)

Shot OH 8/42 f/1235-1244'

TD 1242' (made 2 in 8/42)

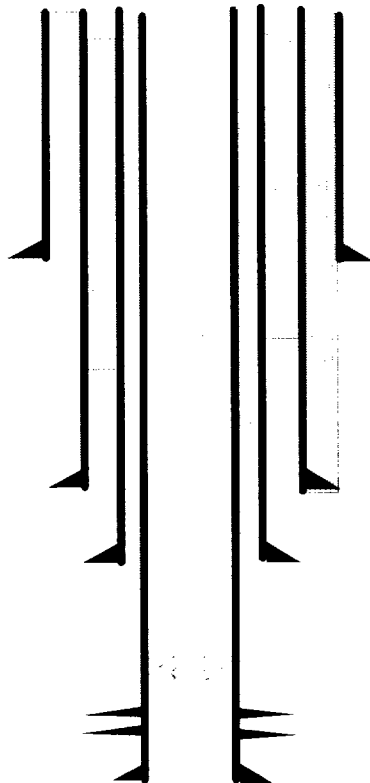
Plugging information denoted by bold and italicized print.

DEVON ENERGY CORPORATION - WELLBORE SCHEMATIC

ATTACHMENT III

WELL NAME: West Red Lake # 25 (Pitcher #5) FIELD: Red Lake
 LOCATION: 250' FNL & 990' FEL Section 8-18S-27E COUNTY: Eddy STATE: NM
 ELEVATION: "unknown" SPUD DATE: 11/28/31 COMP DATE: 10/15/85 (P&A comp)
 API#: 30-015- PREPARED BY: D. Keys DATE: 3/10/97

| | DEPTH | SIZE | WEIGHT | GRADE | THREAD | HOLE SIZE |
|---------|---------|--------|--------|-------|--------|-----------|
| CASING: | 0-600' | 10" | 42 | | 8 | |
| CASING: | 0-1090' | 8-1/4" | 36 | | 8 | |
| CASING: | 0-2100' | 4-1/2" | | | | |
| TUBING: | 0-1675' | 2-3/8" | | | | |
| TUBING: | | | | | | |



☐ CURRENT ☒ PROPOSED

OPERATOR: DEVON ENERGY CORPORATION

10" 42# csg @ 600', no cmt volume reported

8-1/4" 36# csg @ 1090', no cmt volume reported

7" @ 1147'

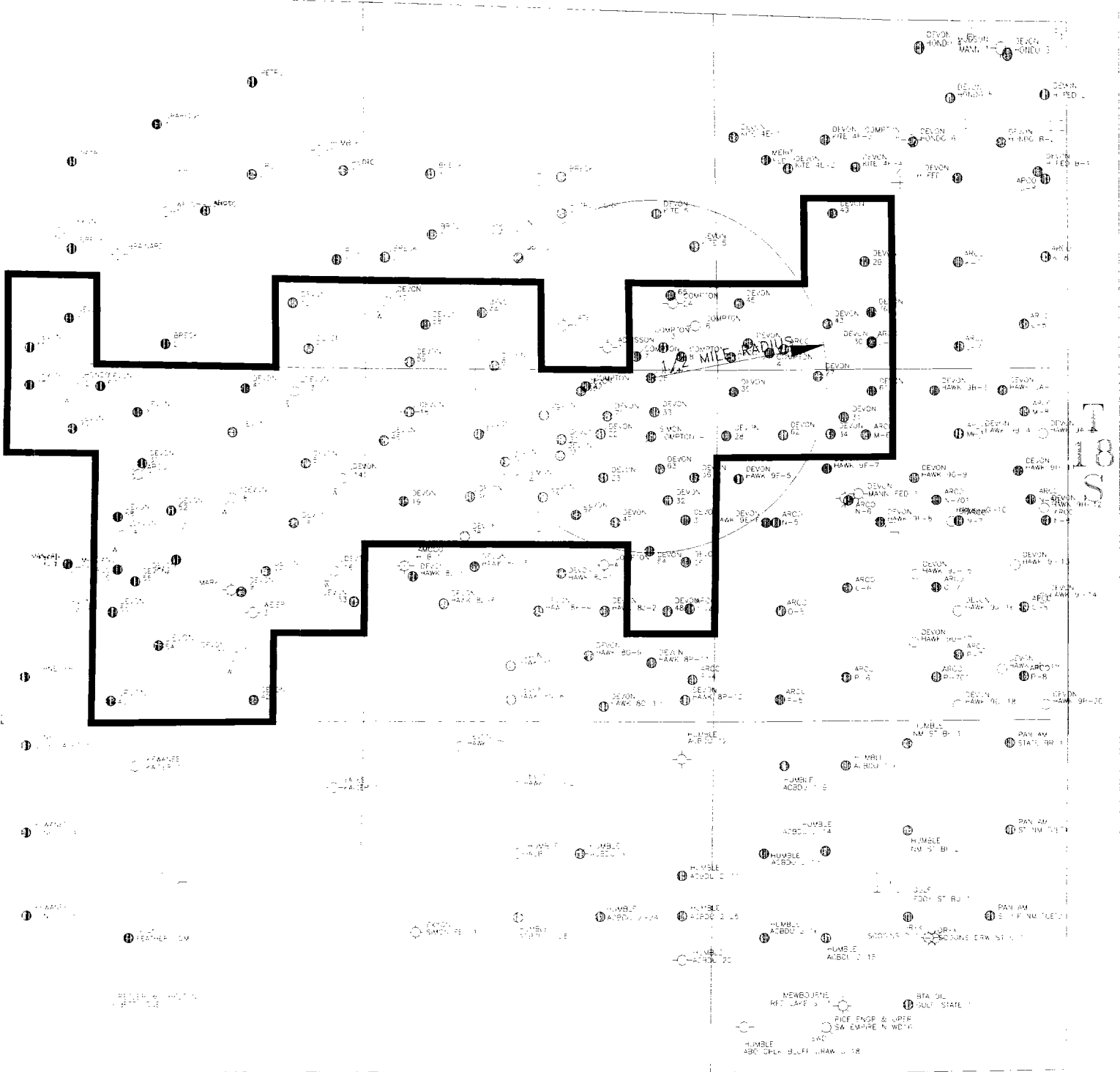
2-3/8" @ 1675' w/J-lok pkr

INJECTION INTERVAL:

new perfs +/- 1750-2050'

4-1/2" @ 2100' w/200 sxs cmt, TOC surf.

R 27 E



devon ATTACHMENT V

WEST RED LAKE AREA
EDDY COUNTY, NEW MEXICO

WEST RED LAKE UNIT #25
WELLS WITHIN 1/2 MILE RADIUS
PROPOSED INJECTOR

Scale in Feet: 0 1000 2000 3000 4000

Attachment VII

Devon Energy Corporation
West Red Lake #25 (formerley Pitcher #5)
250' FNL & 990' FEL
Section 818S-27E
Eddy County, NM

Proposed Operation:

1. Plans are to inject 800 barrels of produced water per day.
2. The Injection system will be a closed system.
3. The proposed injection pressure is 800 psig. Maximum pressure will be .58 psi/ft of depth to the top perforation (see attached memo).
4. The injection fluid will be Grayburg/San Andres produced water.
5. See attached water analysis.

Attachment VIII

Devon Energy Corporation
West Red Lake #25 (formerley Pitcher #5)
250' FNL & 990' FEL
Section 818S-27E
Eddy County, NM

Geology and Lithology

Injection zones are dolomite porosity zones within the San Andres formations at an average depth of +/- 1750-2050'. Specifically they are:

San Andres

Fresh Water Zones

Base of near surface aquifer 500'. No fresh water zones exist below the proposed injection interval.

Attachment XII

Devon Energy Corporation
West Red Lake #25 (formerley Pitcher #5)
250' FNL & 990' FEL
Section 818S-27E
Eddy County, NM

No evidence of fault communication between the shallow aquifers and the proposed injection zones has been encountered as the result of detailed studied of formations in West Red Lake Unit.

Proof of Notice

Devon Energy Operating Corporation operates the West Red Lake Unit in Sections 7, 8 and 9 of 18S-27E, Eddy County, NM. Operators operating in area of review:

Breck
Yates
Amoco
Arco
Compton
Simon

Each of these operators were provided a letter and a copy of our application by certified mail. Copies of the letters are enclosed, proof of notice will follow.

The Bureau of Land Management is the surface owner. They have been notified by letter with a copy of our application.

Proof of Publication

Proof of Publication from the Carlsbad Current-Argus is enclosed.

ATTACHMENT III (tabular)

Well Data

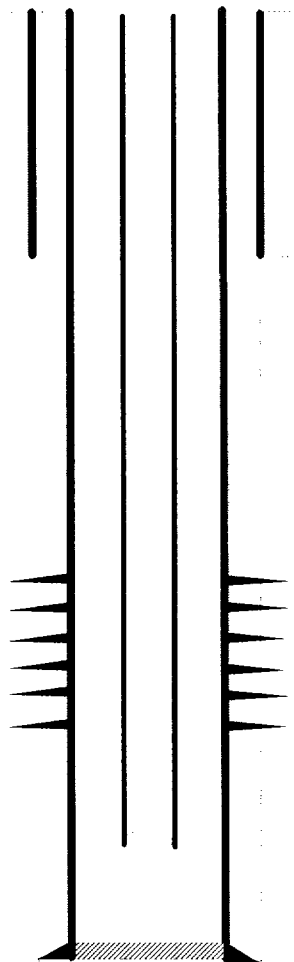
- A. (1) West Red Lake #35
 330' FNL & 240' FWL
 Section 9-18S-27E
 Eddy County, NM
- (2) Please refer to the wellbore schematic labeled Attachment III -
 (schematic)
 Surface: 8-5/8" 24# @ 1150' w/570 sxs cmt, TOC surf.
 Production: 5-1/2" 15.5# @ 2800' w/510 sxs cmt, TOC surf
 (Also see schematic for any existing tbg and/or liner used)
- (3) Tbg will be 2-3/8" fiberglass or internally coated, set @ 1825' +/-.
- (4) We will use a 5-1/2" x 2-3/8" plastic coated J-Lok packer to be set
 @ 1775' +/-.
- B. (1) The injection formations will be the San Andres in the Red Lake
 (Q-GB-SA) Field.
- (2) The proposed interval will be approximately 1846-2088' . The
 injection interval will be through existing perforations 1846-2088'
- (3) This well was originally drilled and completed as an oil well. It produced
 from the San Andres Formations.
- (4) Please refer to the wellbore schematic labeled Attachment III (schematic)
 for depths of other perforated intervals and detail on the sacks of cement.
- (5) There are no known lower oil formations.

DEVON ENERGY CORPORATION - WELLBORE SCHEMATIC

ATTACHMENT III

| | | | |
|-------------------------------|----------------------|---------------------|--|
| WELL NAME: West Red Lake # 35 | | FIELD: Red Lake | |
| LOCATION: 330' FNL & 240' FWL | COUNTY: Eddy | STATE: NM | |
| ELEVATION: 3509' | SPUD DATE: 8/10/93 | COMP DATE: 12/17/93 | |
| API#: 30-015- 27473 | PREPARED BY: D. Keys | DATE: 3/10/97 | |

| | DEPTH | SIZE | WEIGHT | GRADE | THREAD | HOLE SIZE |
|---------|---------|--------|--------|-------|--------|-----------|
| CASING: | 0-1150' | 8-5/8" | 24# | J-55 | | 12-1/4" |
| CASING: | 0-2800' | 5-1/2" | 15.5# | J-55 | | 7-7/8" |
| CASING: | | | | | | |
| TUBING: | 0-2193' | 2-7/8" | | | | |
| TUBING: | | | | | | |



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY CORPORATION

8-5/8" 24# @ 1150' w/570 sxs cmt, TOC surf.

Perforations: 1863-2088' (31 holes)
acid & frac'd.

2-7/8" tbg @ 2193'

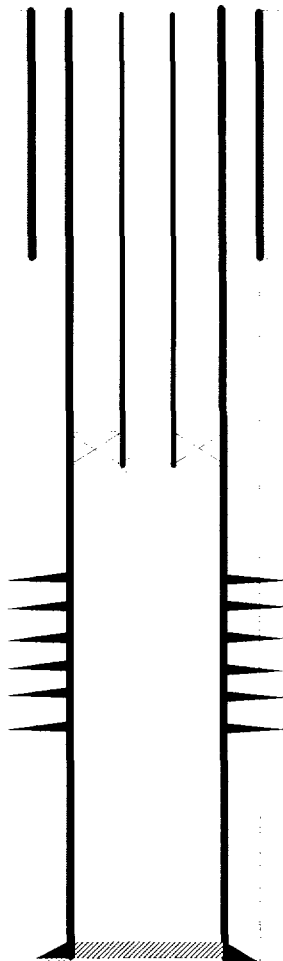
5-1/2" 15.5# @ 2800' w/510 sxs cmt, TOC surf
PBD 2784'
TD 2800'.

DEVON ENERGY CORPORATION - WELLBORE SCHEMATIC

ATTACHMENT III

| | | | |
|-------------------------------|----------------------|---------------------|--|
| WELL NAME: West Red Lake # 35 | | FIELD: Red Lake | |
| LOCATION: 330' FNL & 240' FWL | COUNTY: Eddy | STATE: NM | |
| ELEVATION: 3509' | SPUD DATE: 8/10/93 | COMP DATE: 12/17/93 | |
| API#: 30-015- 27473 | PREPARED BY: D. Keys | DATE: 3/10/97 | |

| | DEPTH | SIZE | WEIGHT | GRADE | THREAD | HOLE SIZE |
|---------|---------|--------|--------|-------|--------|-----------|
| CASING: | 0-1150' | 8-5/8" | 24# | J-55 | | 12-1/4" |
| CASING: | 0-2800' | 5-1/2" | 15.5# | J-55 | | 7-7/8" |
| CASING: | | | | | | |
| TUBING: | 0-1825' | 2-3/8" | | | | |
| TUBING: | | | | | | |



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY CORPORATION

8-5/8" 24# @ 1150' w/570 sxs cmt, TOC surf.

2-3/8" @ 1825' w/PC J-Lok pkr.

INJECTION INTERVAL:

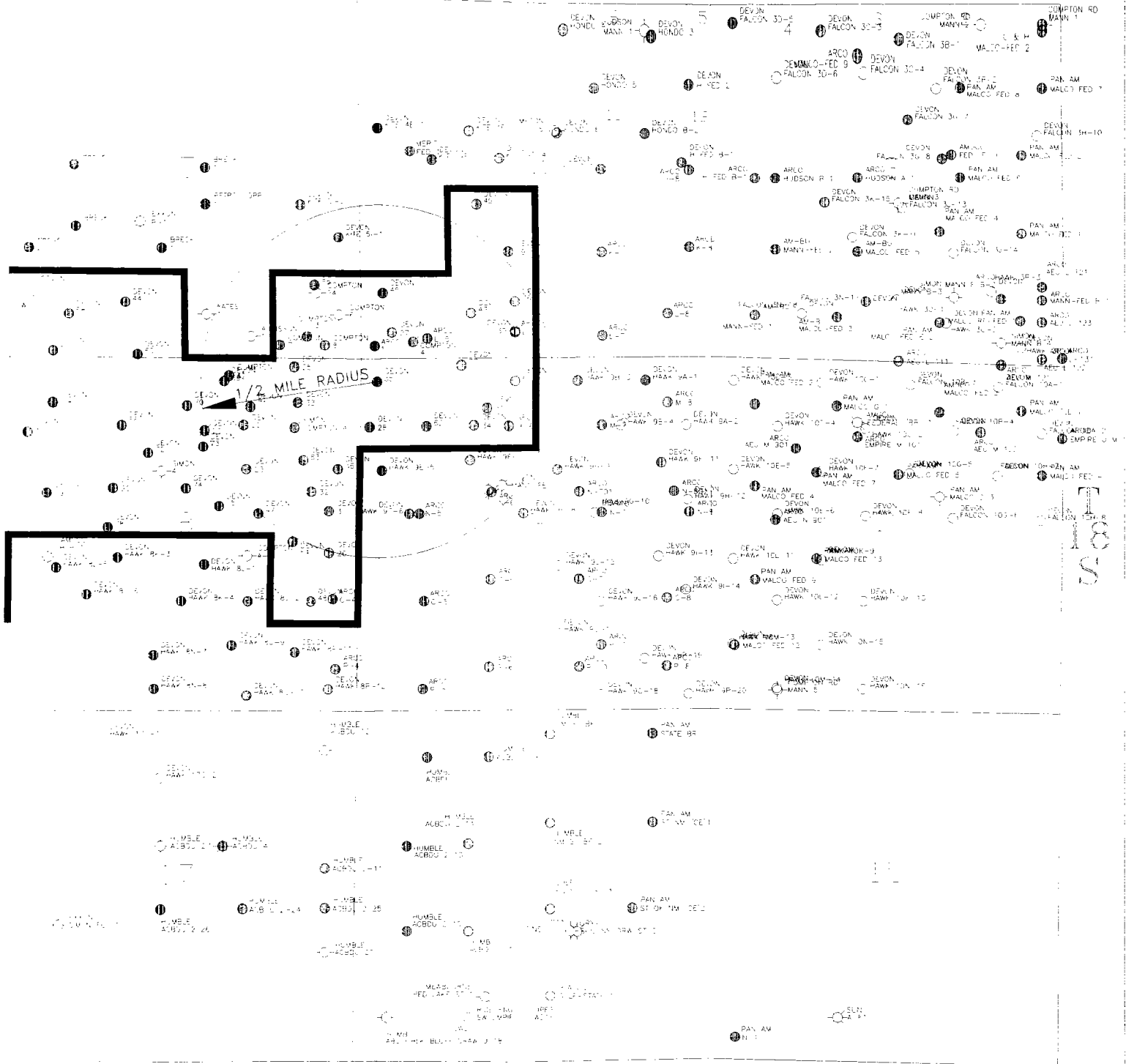
Perforations: 1863-2088'

5-1/2" 15.5# @ 2800' w/510 sxs cmt, TOC surface

PBTD 2784'

TD 2800'.

R 37 E



devon ATTACHMENT IV
ENERGY CORPORATION

WEST RED LAKE AREA
EDDY COUNTY, NEW MEXICO

WEST RED LAKE UNIT #35
WELLS WITHIN 1/2 MILE RADIUS
PROPOSED INJECTOR

Scale in Feet
1000 2000 3000 4000

Attachment VII

Devon Energy Corporation
West Red Lake #35
330' FNL & 240' FWL
Section 9-18S-27E
Eddy County, NM

Proposed Operation:

1. Plans are to inject 800 barrels of produced water per day.
2. The Injection system will be a closed system.
3. The proposed injection pressure is 800 psig. Maximum pressure will be .60 psi/ft of depth to the top perforation (see attached memo).
4. The injection fluid will be Grayburg/San Andres produced water.
5. See attached water analysis.

Attachment VIII

Devon Energy Corporation
West Red Lake #35
330' FNL & 240' FWL
Section 9-18S-27E
Eddy County, NM

Geology and Lithology

Injection zones are dolomite porosity zones within the San Andres formations at an average depth of 1846-2088'. Specifically they are:

San Andres

Fresh Water Zones

Base of near surface aquifer 500'. No fresh water zones exist below the proposed injection interval.

Attachment XII

Devon Energy Corporation
West Red Lake #35
330' FNL & 240' FWL
Section 9-18S-27E
Eddy County, NM

No evidence of fault communication between the shallow aquifers and the proposed injection zones has been encountered as the result of detailed studied of formations in West Red Lake Unit.

Proof of Notice

Devon Energy Operating Corporation operates the West Red Lake Unit in Sections 7, 8 and 9 of 18S-27E, Eddy County, NM. Operators operating in area of review:

Breck
Yates
Amoco
Arco
Compton
Simon

Each of these operators were provided a letter and a copy of our application by certified mail. Copies of the letters are enclosed. proof of notice will follow.

The Bureau of Land Management is the surface owner. They have been notified by letter with a copy of our application.

Proof of Publication

Proof of Publication from the Carlsbad Current-Argus is enclosed.

ATTACHMENT III (tabular)

Well Data

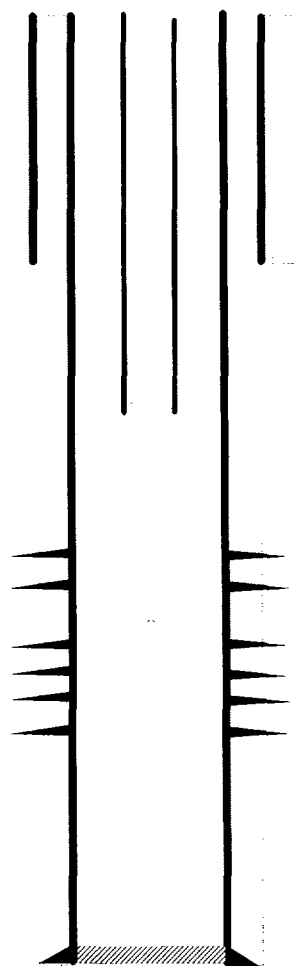
- A. (1) West Red Lake #50 (formerley Pticher Federal #1)
990' FNL & 1650' FWL
Section 8-18S-27E
Eddy County, NM
- (2) Please refer to the wellbore schematic labeled Attachment III - (schematic)
Surface: 8-5/8" 24# @ 1095' w/550 sxs cmt, TOC surf.
Production: 4-1/2" 10.5# @ 3040' w/900 sxs cmt, TOC surf.
(Also see schematic for any existing tbg and/or liner used)
- (3) Tbg will be 2-3/8" fiberglass or internally coated, set @ 1550'+/-.
- (4) We will use a 5-1/2" x 2-3/8" plastic coated J-Lok packer to be set @ 1550'+/-.
- B. (1) The injection formations will be the San Andres in the Red Lake (Q-GB-SA) Field.
- (2) The proposed interval will be approximately +/- 1644-1928' . The injection interval will be through perforations +/- 1644-1928'
- (3) This well was originally drilled and completed as an oil well. It produced from the Yeso and San Andres Formations.
- (4) Please refer to the wellbore schematic labeled Attachment III (schematic) for depths of other perforated intervals and detail on the sacks of cement.
- (5) The Yeso @ 2832-2901' has previously produced oil in this well.

DEVON ENERGY CORPORATION - WELLBORE SCHEMATIC

ATTACHMENT III

WELL NAME: West Red Lake # 50 (Pitcher Fed #1) FIELD: Red Lake
 LOCATION: 990' FNL & 1650' FWL of Sec. 8-18S-27E COUNTY: Eddy STATE: NM
 ELEVATION: 3373' GR SPUD DATE: 8/5/90 COMP DATE: 10/18/94 (recomp)
 API#: 30-015- 26428 PREPARED BY: D. Keys DATE: 3/10/97

| | DEPTH | SIZE | WEIGHT | GRADE | THREAD | HOLE SIZE |
|---------|-------------------------------|--------|--------|-------|--------|-----------|
| CASING: | 0-1095' | 8-5/8" | | | | 12-1/4" |
| CASING: | 0-3040' | 4-1/2" | | | | 7-7/8" |
| CASING: | | | | | | |
| TUBING: | 0-1970' (0-2924' until 10/94) | 2-3/8" | | | | |
| TUBING: | | | | | | |



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY CORPORATION

8-5/8" @ 1095' w/550 sxs cl "C". TOC surf.

2-3/8" tbg @ 1970' (10/94)

Perforations: 1876-1902' and 1710-1690' (41) added 10/94, acid & frac'd.
 CIBP @ 2200' w/2 sxs cmt, PBTD 2175'

Perforations: 2273-2764' (100) added in 4/91, 2273-2536' squeezed
 2536-2764' acid & frac'd.

Perforations: 2832-2901' (original completion, 1990), acid & frac'd

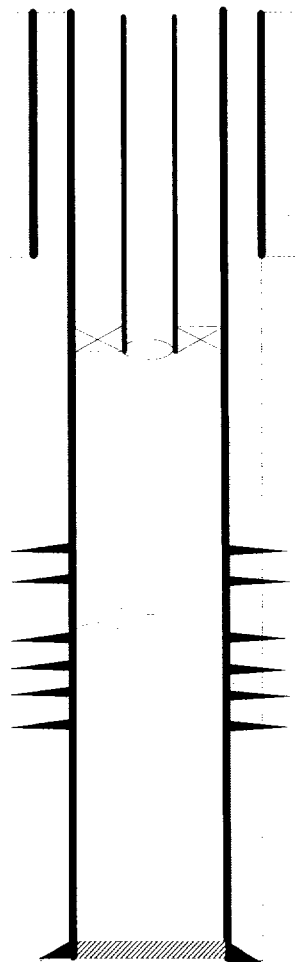
4-1/2" @ 3040' w/900 sxs cl "C". TOC @ Surf
 Old PBTD 3006'.
 TD 3044'.

DEVON ENERGY CORPORATION - WELLBORE SCHEMATIC

ATTACHMENT III

| | | | |
|--|----------------------|------------------------------|--|
| WELL NAME: West Red Lake # 50 (Pitcher Fed #1) | | FIELD: Red Lake | |
| LOCATION: 990' FNL & 1650' FWL of Sec. 8-18S-27E | COUNTY: Eddy | STATE: NM | |
| ELEVATION: 3373' GR | SPUD DATE: 8/5/90 | COMP DATE: 10/18/94 (recomp) | |
| API#: 30-015- 26428 | PREPARED BY: D. Keys | DATE: 3/10/97 | |

| | DEPTH | SIZE | WEIGHT | GRADE | THREAD | HOLE SIZE |
|---------|---------|--------|--------|-------|--------|-----------|
| CASING: | 0-1095' | 8-5/8" | 24# | | | 12-1/4" |
| CASING: | 0-3040' | 4-1/2" | 10.5# | | | 7-7/8" |
| CASING: | | | | | | |
| TUBING: | 0-1550' | 2-3/8" | | | | |
| TUBING: | | | | | | |



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY CORPORATION

8-5/8" 24# @ 1095' w/550 sxs cl "C". TOC surf.

2-3/8" tbg @ 1550' w/J-Lok pkr

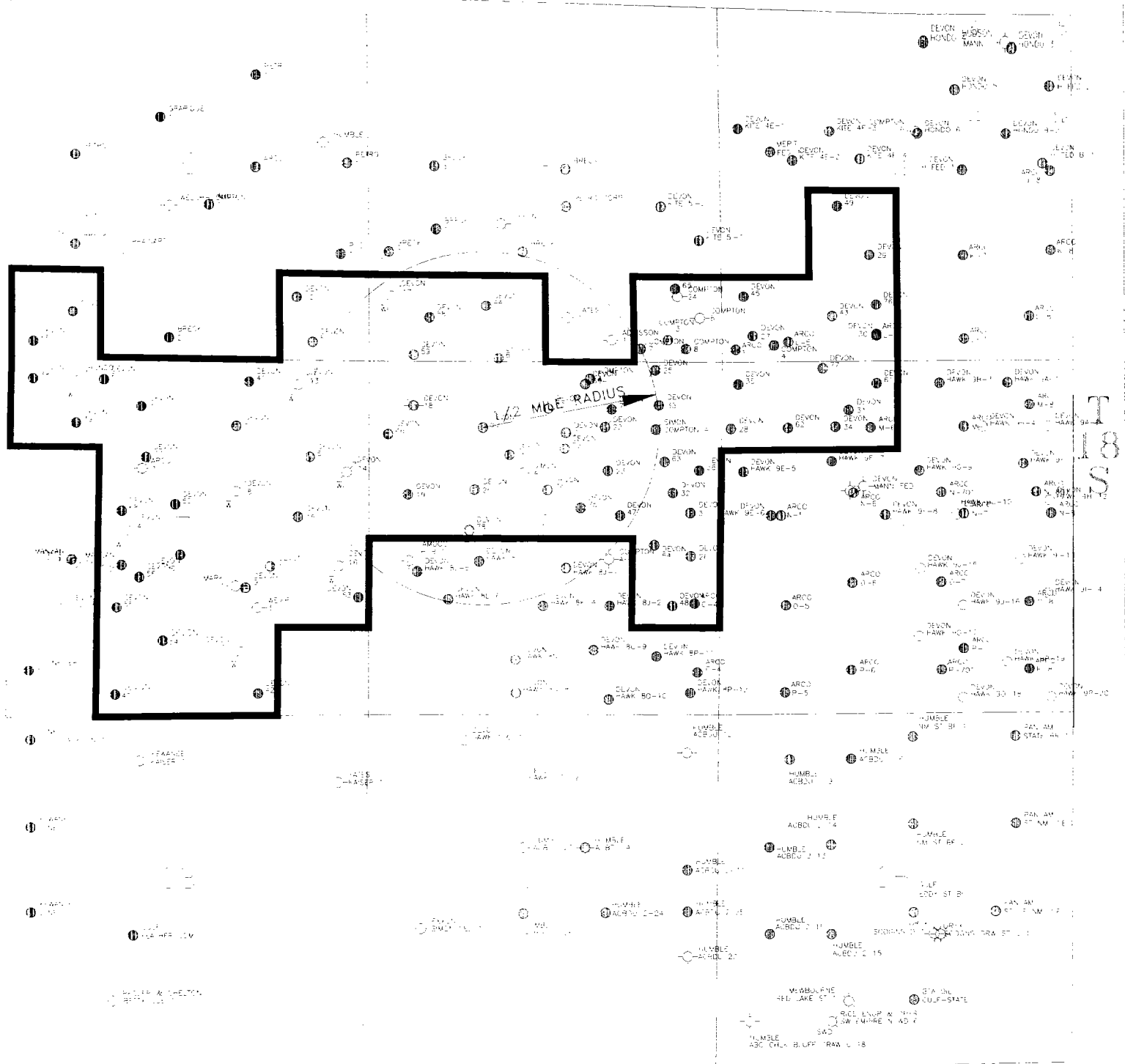
INJECTION INTERVAL:

1644-1928'

CIBP @ 2200' w/2 sxs cmt, PBTD 2175'

4-1/2" 10.5# @ 3040' w/900 sxs cl "C" TOC @ surf
TD 3044'

R 27 E



devon ATTACHMENT V
ENERGY CORPORATION

WEST RED LAKE AREA
EDDY COUNTY, NEW MEXICO

WEST RED LAKE UNIT #50
WELLS WITHIN 1/2 MILE RADIUS

PROPOSED INJECTOR

Scale in feet
0 1000 2000 3000 4000

Attachment VII

Devon Energy Corporation
West Red Lake #50 (formerley Pticher Federal #1)
990' FNL & 1650' FWL
Section 8-18S-27E
Eddy County, NM

Proposed Operation:

1. Plans are to inject 800 barrels of produced water per day.
2. The Injection system will be a closed system.
3. The proposed injection pressure is 800 psig. Maximum pressure will be .86 psi/ft of depth to the top perforation (see attached memo).
4. The injection fluid will be Grayburg/San Andres produced water.
5. See attached water analysis.

Attachment VIII

Devon Energy Corporation
West Red Lake #50 (formerley Pticher Federal #1)
990' FNL & 1650' FWL
Section 8-18S-27E
Eddy County, NM

Geology and Lithology

Injection zones are dolomite porosity zones within the San Andres formations at an average depth of +/- 1644-1928'. Specifically they are:

San Andres

Fresh Water Zones

Base of near surface aquifer 500'. No fresh water zones exist below the proposed injection interval.

Attachment XII

Devon Energy Corporation
West Red Lake #50 (formerley Pticher Federal #1)
990' FNL & 1650' FWL
Section 8-18S-27E
Eddy County, NM

No evidence of fault communication between the shallow aquifers and the proposed injection zones has been encountered as the result of detailed studied of formations in West Red Lake Unit.

Proof of Notice

Devon Energy Operating Corporation operates the West Red Lake Unit in Sections 7, 8 and 9 of 18S-27E, Eddy County, NM. Operators operating in area of review:

Breck
Yates
Amoco
Arco
Compton
Simon

Each of these operators were provided a letter and a copy of our application by certified mail. Copies of the letters are enclosed, proof of notice will follow.

The Bureau of Land Management is the surface owner. They have been notified by letter with a copy of our application.

Proof of Publication

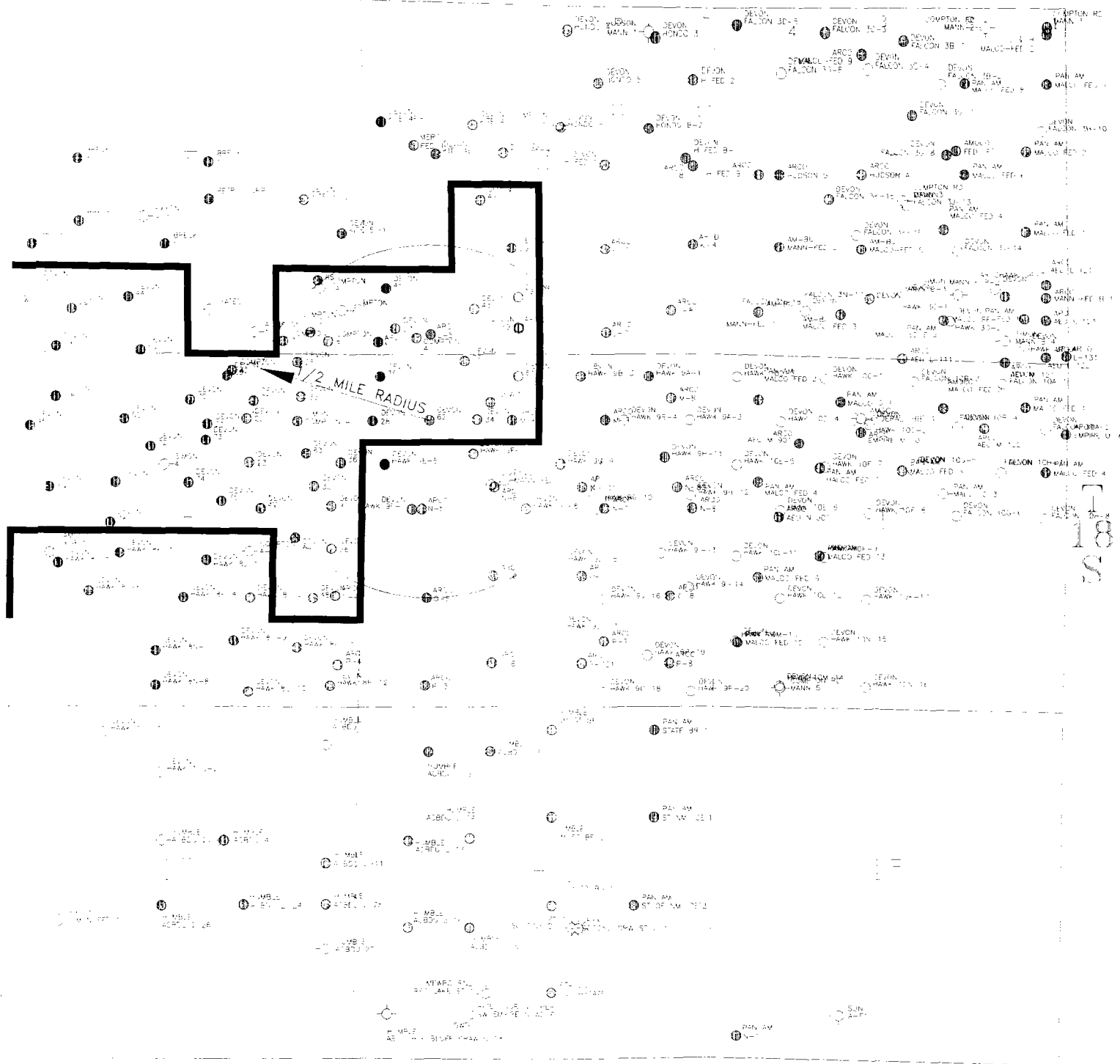
Proof of Publication from the Carlsbad Current-Argus is enclosed.

ATTACHMENT III (tabular)

Well Data

- A. (1) West Red Lake #62
990' FNL & 990' FWL
Section 9-18S-27E
Eddy County, NM
- (2) Please refer to the wellbore schematic labeled Attachment III - (schematic)
Surface: 8-5/8" 24# J-55 @ 1015' w/500 sxcs cmt, TOC surf.
Production: 5-1/2" 15.5# J-55 @ 2400' w/460 sxcs cmt, TOC surf.
(Also see schematic for any existing tbgs and/or liner used)
- (3) Tbg will be 2-3/8" fiberglass or internally coated, set @ 1800' +/-.
- (4) We will use a 5-1/2" x 2-3/8" plastic coated J-Lok packer to be set @ 1800' +/-.
- B. (1) The injection formations will be the San Andres in the Red Lake (Q-GB-SA) Field.
- (2) The proposed interval will be approximately 1894-2132'. The injection interval will be through existing perforations 1894-2132'.
- (3) This well was originally drilled and completed as an oil well. It produced from the Grayburg/San Andres Formations.
- (4) Please refer to the wellbore schematic labeled Attachment III (schematic) for depths of other perforated intervals and detail on the sacks of cement.
- (5) There are no known lower oil formations.

R 27 E



devon ATTACHMENT V

WEST RED LAKE AREA
EDDY COUNTY, NEW MEXICO

WEST RED LAKE UNIT #62
WELLS WITHIN 1/2 MILE RADIUS
PROPOSED INJECTOR

Scale in Feet
0 1000 2000 3000 4000

DEVON ENERGY CORPORATION - WELLBORE SCHEMATIC

ATTACHMENT III

WELL NAME: West Red Lake # 62

FIELD: Red Lake

LOCATION: 990' FNL & 990' FWL of Sec. 8-18S-27E

COUNTY: Eddy

STATE: NM

ELEVATION: 3520' GL

SPUD DATE:

3/28/96

COMP DATE:

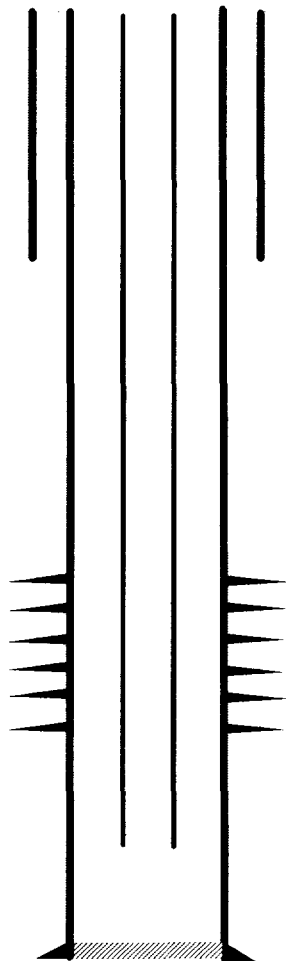
4/19/96

API#: 30-015- 28734

PREPARED BY: D. Keys

DATE: 3/10/97

| | DEPTH | SIZE | WEIGHT | GRADE | THREAD | HOLE SIZE |
|---------|---------|--------|--------|-------|--------|-----------|
| CASING: | 0-1015' | 8-5/8" | 24# | J-55 | | 12-1/4" |
| CASING: | 0-2400' | 5-1/2" | 15.5# | J-55 | | 7-7/8" |
| CASING: | | | | | | |
| TUBING: | 0-2138' | 2-7/8" | | | | |
| TUBING: | | | | | | |



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY CORPORATION

8-5/8" 24# @ 1015' w/500 sxs cmt, TOC surf.

Perforations: 1894-2132' (27 - .40" EHD holes)

2-7/8" tbg @ 2138'

5-1/2" 15.5# @ 2400' w/460 sxs cmt, TOC surf.

PBTD 2357'

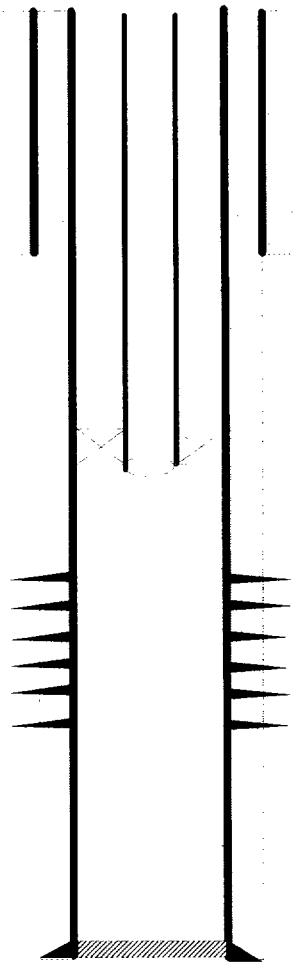
TD 2400'

DEVON ENERGY CORPORATION - WELLBORE SCHEMATIC

ATTACHMENT III

| | | | |
|---|----------------------|--------------------|--|
| WELL NAME: West Red Lake # 62 | | FIELD: Red Lake | |
| LOCATION: 990' FNL & 990' FWL of Sec. 8-18S-27E | COUNTY: Eddy | STATE: NM | |
| ELEVATION: 3520' GL | SPUD DATE: 3/28/96 | COMP DATE: 4/19/96 | |
| API#: 30-015- 28734 | PREPARED BY: D. Keys | DATE: 3/10/97 | |

| | DEPTH | SIZE | WEIGHT | GRADE | THREAD | HOLE SIZE |
|---------|---------|--------|--------|-------|--------|-----------|
| CASING: | 0-1015' | 8-5/8" | 24# | J-55 | | 12-1/4" |
| CASING: | 0-2400' | 5-1/2" | 15.5# | J-55 | | 7-7/8" |
| CASING: | | | | | | |
| TUBING: | 0-1800' | 2-7/8" | | | | |
| TUBING: | | | | | | |



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY CORPORATION

8-5/8" 24# @ 1015' w/500 sxs cmt, TOC surf.

2-3/8" tbg & J-lpk pkr @ 1800'

INJECTION INTERVAL:

Perforations: 1894-2132' (27 - .40" EHD holes)

5-1/2" 15.5# @ 2400' w/460 sxs cmt, TOC surf.

PBTD 2357'

TD 2400'

Attachment VII

Devon Energy Corporation
West Red Lake #62
990' FNL & 990' FWL
Section 9-18S-27E
Eddy County, NM

Proposed Operation:

1. Plans are to inject 800 barrels of produced water per day.
2. The Injection system will be a closed system.
3. The proposed injection pressure is 800 psig. Maximum pressure will be .60 psi/ft of depth to the top perforation (see attached memo).
4. The injection fluid will be Grayburg/San Andres produced water.
5. See attached water analysis.

Attachment VIII

Devon Energy Corporation
West Red Lake #62
990' FNL & 990' FWL
Section 9-18S-27E
Eddy County, NM

Geology and Lithology

Injection zones are dolomite porosity zones within the San Andres formations at an average depth of 1894-2132'. Specifically they are:

San Andres

Fresh Water Zones

Base of near surface aquifer 500'. No fresh water zones exist below the proposed injection interval.

Attachment XII

Devon Energy Corporation
West Red Lake #62
990' FNL & 990' FWL
Section 9-18S-27E
Eddy County, NM

No evidence of fault communication between the shallow aquifers and the proposed injection zones has been encountered as the result of detailed studied of formations in West Red Lake Unit.

Proof of Notice

Devon Energy Operating Corporation operates the West Red Lake Unit in Sections 7, 8 and 9 of 18S-27E, Eddy County, NM. Operators operating in area of review:

Breck
Yates
Amoco
Arco
Compton
Simon

Each of these operators were provided a letter and a copy of our application by certified mail. Copies of the letters are enclosed, proof of notice will follow.

The Bureau of Land Management is the surface owner. They have been notified by letter with a copy of our application.

Proof of Publication

Proof of Publication from the Carlsbad Current-Argus is enclosed.

ATTACHMENT III (tabular)

Well Data

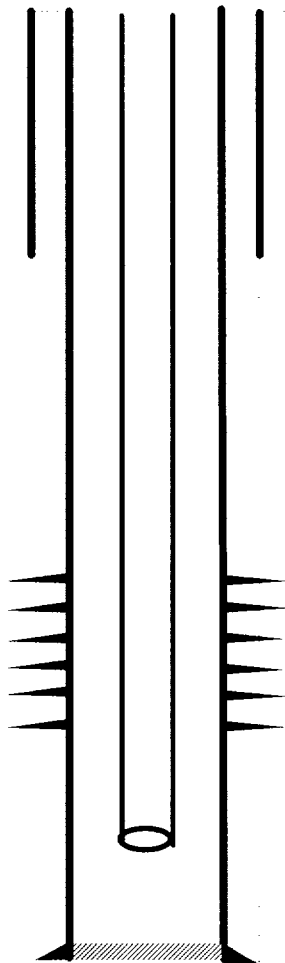
- A.
- (1) West Red Lake #72
1400' FNL & 2100' FWL
Section 8-18S-27E
Eddy County, NM
 - (2) Please refer to the wellbore schematic labeled Attachment III - (schematic)
Surface: 8-5/8" 24# J-55 @ 1000' w/500 sxs cmt, TOC surf.
Production: 5-1/2" 15.5# @ 2150' w/400 sxs cmt, TOC surf.
(Also see schematic for any existing tbg and/or liner used)
 - (3) Tbg will be 2-3/8" fiberglass or internally coated, set @ 1150' +/-.
 - (4) We will use a 5-1/2" x 2-3/8" plastic coated J-Lok packer to be set @ 1150' +/-.
- B.
- (1) The injection formations will be the San Andres in the Red Lake (Q-GB-SA) Field.
 - (2) The proposed interval will be approximately 1208-1960' . The injection interval will be through existing perforations 1208-1960'
 - (3) This well was originally drilled and completed as an oil well. It produced from the San Andres Formations.
 - (4) Please refer to the wellbore schematic labeled Attachment III (schematic) for depths of other perforated intervals and detail on the sacks of cement.
 - (5) There are no known lower oil formations.

DEVON ENERGY CORPORATION - WELLBORE SCHEMATIC

ATTACHMENT III

WELL NAME: West Red Lake # 72 FIELD: Red Lake
 LOCATION: 1400' FNL & 2100' FWL of Sec. 8-18S-27E COUNTY: Eddy STATE: NM
 ELEVATION: 3387' KB SPUD DATE: 6/5/96 COMP DATE: 7/20/96
 API#: 30-015- 28941 PREPARED BY: D. Keys DATE: 3/10/97

| | DEPTH | SIZE | WEIGHT | GRADE | THREAD | HOLE SIZE |
|---------|---------|--------|--------|-------|--------|-----------|
| CASING: | 0-1000' | 8-5/8" | 24# | J-55 | | 12-1/4" |
| CASING: | 0-2150' | 5-1/2" | 15.5# | J-55 | | 7-7/8" |
| CASING: | | | | | | |
| TUBING: | 0-1997' | 2-7/8" | | | | |
| TUBING: | | | | | | |



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY CORPORATION

8-5/8" 24# @ 1000' w/500 sxs cmt, TOC surf.

Perforations: 1208-1960' (40 - .40" EHD holes)

2-7/8" tbg @ 1997'

5-1/2" 15.5# @ 2150' w/400 sxs cmt, TOC surf.

PBTD 2107'

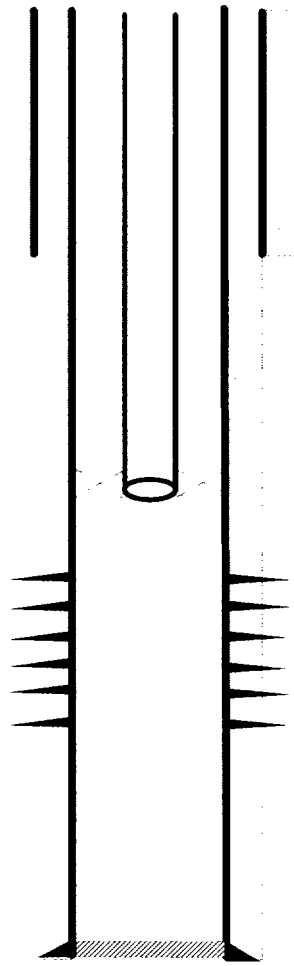
TD 2150'

DEVON ENERGY CORPORATION - WELLBORE SCHEMATIC

ATTACHMENT III

| | | | |
|---|----------------------|--------------------|--|
| WELL NAME: West Red Lake # 72 | | FIELD: Red Lake | |
| LOCATION: 1400' FNL & 2100' FWL of Sec. 8-18S-27E | COUNTY: Eddy | STATE: NM | |
| ELEVATION: 3387' KB | SPUD DATE: 6/5/96 | COMP DATE: 7/20/96 | |
| API#: 30-015- 28941 | PREPARED BY: D. Keys | DATE: 3/10/97 | |

| | DEPTH | SIZE | WEIGHT | GRADE | THREAD | HOLE SIZE |
|---------|---------|--------|--------|-------|--------|-----------|
| CASING: | 0-1000' | 8-5/8" | 24# | J-55 | | 12-1/4" |
| CASING: | 0-2150' | 5-1/2" | 15.5# | J-55 | | 7-7/8" |
| CASING: | | | | | | |
| TUBING: | 0-1150' | 2-3/8" | | | | |
| TUBING: | | | | | | |



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY CORPORATION

8-5/8" 24# @ 1000' w/500 sxs cmt, TOC surf.

2-3/8" tbg & J-lok pkr @ 1150'

INJECTION INTERVAL:

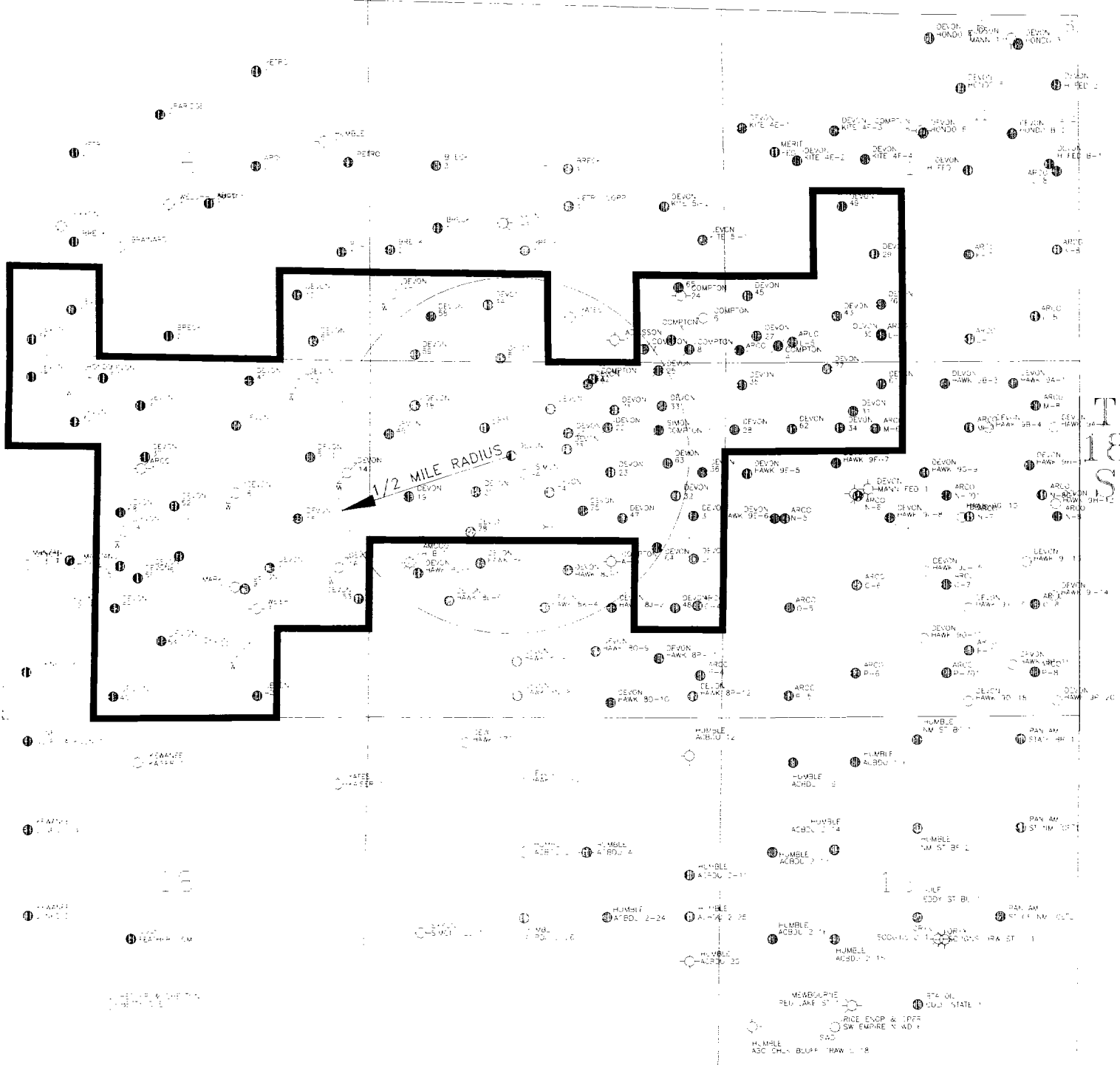
Perforations: 1208-1960' (40 - .40" EHD holes)

5-1/2" 15.5# @ 2150' w/400 sxs cmt, TOC surf.

PBTD 2107'

TD 2150'

R 27 E



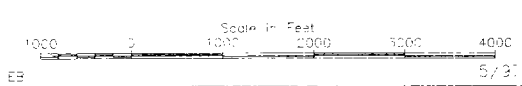
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devon ENERGY CORPORATION **ATTACHMENT V**

WEST RED LAKE AREA
EDDY COUNTY, NEW MEXICO

WEST RED LAKE UNIT #72
WELLS WITHIN 1/2 MILE RADIUS

PROPOSED INJECTOR



Attachment VII

Devon Energy Corporation
West Red Lake #72
1400' FNL & 2100' FWL
Section 8-18S-27E
Eddy County, NM

Proposed Operation:

1. Plans are to inject 800 barrels of produced water per day.
2. The Injection system will be a closed system.
3. The proposed injection pressure is 800 psig. Maximum pressure will be .69 psi/ft of depth to the top perforation (see attached memo).
4. The injection fluid will be Grayburg/San Andres produced water.
5. See attached water analysis.

Attachment VIII

Devon Energy Corporation
West Red Lake #72
1400' FNL & 2100' FWL
Section 8-18S-27E
Eddy County, NM

Geology and Lithology

Injection zones are dolomite porosity zones within the San Andres formations at an average depth of 1208-1960'. Specifically they are:

San Andres

Fresh Water Zones

Base of near surface aquifer 500'. No fresh water zones exist below the proposed injection interval.

Attachment XII

Devon Energy Corporation
West Red Lake #72
1400' FNL & 2100' FWL
Section 8-18S-27E
Eddy County, NM

No evidence of fault communication between the shallow aquifers and the proposed injection zones has been encountered as the result of detailed studied of formations in West Red Lake Unit.

Proof of Notice

Devon Energy Operating Corporation operates the West Red Lake Unit in Sections 7, 8 and 9 of 18S-27E, Eddy County, NM. Operators operating in area of review:

Breck
Yates
Amoco
Arco
Compton
Simon

Each of these operators were provided a letter and a copy of our application by certified mail. Copies of the letters are enclosed, proof of notice will follow.

The Bureau of Land Management is the surface owner. They have been notified by letter with a copy of our application.

Proof of Publication

Proof of Publication from the Carlsbad Current-Argus is enclosed.

ATTACHMENT VI

| Well Name | | Location | Spud Date | Completion Date | Type of Well | Depth/PBTD | Completion Record |
|---------------|----------|---|-----------|-----------------|--------------|---------------------|--|
| West Red Lake | Unit #7 | "B" 990' FNL & 1980' FEL Sec. 7-18S-27E | 7/28/58 | 10/1/58 | Oil | 1824' | 8-5/8" @ 680' w/150 sxs TOC est @ surf 7" @ 810', no cmt volume available. 4-1/2" @ 1824' w/75 sxs cmt, 1690-1784' perf'd, acid & frac'd. (formerly Vandagriff Federal #2) |
| West Red Lake | Unit #12 | P 990' FSL & 990' FEL Sec. 6-18S-27E | 2/25/97 | 3/12/57 | Oil | 1850' | 7" @ 1150' w/380 sxs cmt, TOC calc @ surf 4-1/2" @ 1850' w/400 sxs cmt, TOC calc @ surf 1784-1815' perf'd & frac'd. |
| West Red Lake | Unit #13 | A 330' FNL & 990' FEL Sec. 7-18S-27E | 3/11/57 | 4/10/57 | Injection | 1826/1807 | 7" @ 1205' w/200 sxs cmt, TOC surf. 4-1/2" @ 1826' w/120 sxs, TOC @ 710'. (replaced 526' of 4-1/2" in 7/94) Tbg & pkr @ 1064', perfs 1129-1174' and 1716-1760. probable scale @ 1096'. |
| West Red Lake | Unit #14 | H 1650' FNL & 330' FEL Sec. 7-18S-27E | 1/1/57 | 6/10/57 | P&Ad | 1751' | SEE DOWNHOLE SCHEMATIC FOR P&Ad WELLS FOR WELL INFO |
| West Red Lake | Unit #15 | H 2310' FNL & 990' FEL Sec. 7-18S-27E | 10/22/62 | 2/10/63 | Oil | 1775' | 8-5/8" @ 30' w/20 sxs cmt, TOC calc @ surf 4-1/2" @ 1775' w/100 sxs cmt, TOC calc @ 1000' 1044-1720' Frac'd |
| West Red Lake | Unit #16 | I 2240' FSL & 440' FEL Sec. 7-18S-27E | 6/17/57 | 7/31/57 | P&Ad | 1825' | SEE DOWNHOLE SCHEMATIC FOR P&Ad WELLS FOR WELL INFO |
| West Red Lake | Unit #17 | M 990' FSL & 330' FWL Sec. 5-18S-27E | 11/16/55 | 2/4/56 | Injection | 1856' | 13-3/8" @ 30'. 5-1/2" 14# J-55 @ 1856' w/200 sxs cmt, TOC calc @ 600'. perfs. 1182-92 GB & 1618-1844' SA. Tbg & pkr @ 1112.89'. |
| West Red Lake | Unit #18 | "D" 660' FNL & 660' FWL Section 8-17S-27E | 6/14/44 | 11/9/44 | Oil | 1976' PBTD 1735' | 10-3/4" @ 560' no cmt, 8-5/8" @ 978' w/1000 sxs cmt, TOC surf. 7" @ 1140' w/100 sxs cmt, TOC est @ 11'. Open hole completion f/1140-TD, 241' plug f/1735 to 1976'. |
| West Red Lake | Unit #19 | "E" 1980' FNL & 660' FWL Section 8-18S-27E | 7/7/57 | 7/18/57 | Oil | 1767' PBTD 1755' | 8-5/8" @ 918' w/325 sxs cmt, TOC surf (11" hole) 5-1/2" @ 1767' w/225 sxs cmt, TOC @ 618' by temp survey Perfs: 1615-1746' and 1079-89' |
| West Red Lake | Unit #20 | "E" 1930' FNL & 1650' FWL Section 8-18S-27E | 9/1/57 | 9/26/57 | P&Ad | 1794' | SEE DOWNHOLE SCHEMATIC FOR P&Ad WELLS FOR WELL INFO |
| | | | | | | | |

ATTACHMENT VI

| Well Name | | Location | Spud Date | Completion Date | Type of Well | Depth/PBTD | Completion Record |
|---------------|----------|---|-----------|---------------------|----------------|---------------------|---|
| West Red Lake | Unit #21 | "B" 990' FSL & 2310' FWL Section 8-18S-27E | 8/19/54 | Oct-85 | P&A'd | 3005' | SEE DOWNHOLE SCHEMATIC FOR P&A'd WELLS FOR WELL INFO |
| West Red Lake | Unit #22 | "B" 986' FNL & 1647' FEL Section 8-18S-27E | 10/12/48 | 12/8/48 | P&A'd | 1200' | SEE DOWNHOLE SCHEMATIC FOR P&A'd WELLS FOR WELL INFO |
| West Red Lake | Unit #23 | "G" 1650' FNL & 1650' FEL Section 8-18S-27E | 2/13/50 | 5/31/50 | Oil | 3468' PBTD 2340' | 7" @ 1025' w/125 sxs cmt, TOC calc @ 260'. 5" 14# @ 1075' was pulled out 1960'. 4-1/2" 9.5# @ 2340' w/150 sxs cmt, TOC @ 980' via Temp log. Perfs: 1788-1992 (2spf) perf'd 1/11/61 |
| West Red Lake | Unit #25 | "G" 121' FNL & 1003' FEL Section 8-18S-27E | 7/23/48 | 10/15/85 (P&A'd) | P&A'd | 1239' | SEE DOWNHOLE SCHEMATIC FOR P&A'd WELLS FOR WELL INFO |
| West Red Lake | Unit #26 | "I" 2340' FSL & 400' FEL Section 8-18S-27E | 12/6/37 | 4/12/38 | Oil | 2085' | 10" 40# @ 580 Ran 1" 30' down to circ w/cmt, TOC surf. 8-5/8" 32# @ 1140', TOC est @ surf. No cmt volume given 7" 24# @ 1336', No cmt volume given. 4-1/2" 9.5# @ 2085' cmt'd w/125 sxs, TOC 1025' by Cemoton log 10/61. Perfs: 1971-2081' (3 JSPF) in 12/11/61 |
| West Red Lake | Unit #27 | "M" 250' FSL & 775' FWL Sec 4-18S-27E | 9/8/27 | 2/5/28 | Oil | 2296' | 15-1/2" @ 100', 13-3/8" @ 320', 8-5/8" @ 1334', 10-3/4" drilling line ran 122', setting depth 400 +/-, 4-1/2" 9.5# @ 2293' w/550 sxs cmt, TOC 100' temp survey Perfs: 1846-2286' 10/61. (Original OH 1334-2310') |
| West Red Lake | Unit #28 | "D" 990' FNL & 330' FWL Section 9-18S-27E | 7/5/49 | 10/27/49 | Oil | 2001' PBTD 1973' | 8-5/8" 28# @ 1123' cmt'd w/75 sxs cmt, TOC est @ surf. 7" 23# @ 1568' w/100 sxs cmt, TOC calc @ 440' 5-1/2" 15# set @ 1909' cmt, w/100 sxs, TOC est @ 1375' Open hole formation: 1943-58' |
| West Red Lake | Unit #30 | "N" 330' FNL & 2310' FWL Sec 4-18S-27E | 9/18/58 | 11/17/58 | Oil / Inactive | 2150' | 8-5/8" @ 1451' w/150 sxs cmt, TOC calc @ 400' 5-1/2" @ 2150' w/380 sxs cmt, TOC calc @ 100' 2017-2114' perf'd, acid & frac'd (formerly called Humble-Federal #1) |
| West Red Lake | Unit #31 | "C" 660' FNL & 1980' FWL Section 9-18S-27E | 12/13/61 | 3/1/62 | Oil | 2350' PBTD 2341' | 10-3/4" 52# @ 27' cmt'd w/20 sxs cmt, Ran 1" to cmt w/54 sxs, TOC surf. 4-1/2" 9.5# @ 2350' w/475 sxs cmt, TOC 200' by temp survey Perfs: 2066-2254' 136 total shots |

ATTACHMENT VI

| Well Name | Location | Spud Date | Completion Date | Type of Well | Depth/PBTD | Completion Record |
|---------------|----------------------|-----------|-----------------|--------------|------------|--|
| West Red Lake | "H" | 11/29/83 | 1/26/84 | Oil | 2156' | 8-5/8" 24# @ 353' w/300 sxs cmt in 11" hole. TOC est @ surf. |
| Unit #32 | 1980' FNL & 660' FEL | | | | 2107' PBTD | 5-1/2" 15.3# K-55 Hydrill FJ-40 @ 2156' cmt'd w/625 sxs cmt, TOC surf. (12/83) |
| | Section 8-18S-27E | | | | | Perfs: 12/83: 1953-2055' (80 holes) and 6/84 1236-1313' (28 holes) |
| | | | | | | Attempt to squeeze off 1236-1313' OA 7/84 |
| West Red Lake | "A" | 10/2/84 | 1/23/85 | Oil | 2150' | 8-5/8" @ 1047' cmt'd w/500 sxs cmt, TOC surf |
| Unit #33 | 660' FNL & 860' FEL | | | | PBTD 1980' | 5-1/2" 14# K-55 @ 2150' w/350 sxs cmt, TOC surf. |
| | Section 8-18S-27E | | | | | Perfs: 2018-2027' (10/84), 1886, 96', 1902-74' (10/84 - 11 shots), 1232-41' (1/85 - 16 shots) Cmt retainer @ 1998' w/18' cmt on top. |
| West Red Lake | "C" | 7/26/90 | 9/7/90 | Oil | 2400' | 8-5/8" 24# @ 1105' w/550 sxs cmt, TOC est @ surf. |
| Unit #34 | 990' FNL & 1770' FWL | | | | PBTD 2362' | 4-1/2" 10.5# J-55 @ 2400' w/590 sxs cmt, TOC surf. |
| | Section 9-18S-27E | | | | | Perfs: 2052-2157' OA and 2169-2298' OA (8/90 - 64 shots) |
| West Red Lake | "D" | 8/10/93 | 1/6/94 | Oil | 2800' | 8-5/8" 24# csg @ 1150' cmt'd w/370 sxs & 200 sxs, TOC surf. |
| Unit #35 | 330' FNL & 240' FWL | | | | PBTD 2724' | 5-1/2" 15.5# @ 2799' w/110 sxs lile & 400 sxs cl "C" TOC surf. |
| | Section 9-18S-27E | | | | | Perfs: 1846-2088' (31 holes) |
| West Red Lake | "H" | 8/19/93 | 1/23/93 | Oil | 3000' | 8-5/8" 24# csg @ 1137' cmt'd w/455 sxs lile & 200 sxs "C", TOC surf. |
| Unit #36 | 1630' FNL & 330' FEL | | | | PBTD 2903' | 5-1/2" 15.5# csg @ 2999' w/130 sxs lile @ 300 sxs "C", TOC surf. |
| | Section 36-18S-27E | | | | | Perfs: 1841-2104' (30 holes) |
| West Red Lake | | 10/20/95 | 11/17/95 | Oil | 2100' | 8-5/8" @ 971' w/500 sxs cmt, TOC calc @ surf |
| Unit #41 | 330' FNL & 1800' FEL | | | | | 5-1/2" @ 2100' w/425 sxs cmt, TOC calc @ surf |
| | Sec. 7-18S-27E | | | | | 1526-1956 perf'd, acid & frac'd, 2-7/8" @ 2002'. |
| West Red Lake | "N" | 9/12/95 | 10/11/95 | Oil | 2300' | 8-5/8" @ 1199' w/600 sxs cmt, TOC calc @ surf |
| Unit #43 | 680' FSL & 1650' FWL | | | | | 5-1/2" @ 2299' w/400 sxs cmt, TOC calc @ 165' |
| | Sec. 4-18S-27E | | | | | 1805-2190' perf'd acid & frac'd. 2-7/8" @ 2198'. |
| West Red Lake | "N" | 10/7/95 | 10/27/96 | Oil | 2250' | 8-5/8" 24# @ 1099' w/550 sxs cmt, TOC surf. |
| Unit #44 | 840' FSL & 1750' FWL | | | | PBTD 2203' | 5-1/2" 15.5# @ 2249' w/400 sxs cmt, TOC surf. |
| | Section 5-18S-27E | | | | | 2-7/8" tbg @ 2109'. Perfs: 1599-2025' (30 holes) Acid & Frac'd. |
| West Red Lake | "W" | 9/18/95 | 9/22/95 | Oil | 2225' | 8-5/8" 24# @ 1069' w/450 sxs cmt, TOC surf. |
| Unit #45 | 990' FSL & 330' FWL | | | | PBTD 2146' | 5-1/2" 15.5# @ 2221' w/350 sxs cmt, TOC surf. |
| | Section 4-18S-27E | | | | | Perfs: 1723-2115' total of 29 holes, Acid & frac'd. |
| | | | | | | 2-7/8" tbg @ 2125'. |
| West Red Lake | "D" | 2/4/95 | 3/12/95 | Oil | 2050' | 8-5/8" 24# csg @ 1025' cmt'd w/550 sxs cmt, TOC surf. |
| Unit #46 | 1090' FNL & 280' FWL | | | | PBTD 1954' | 5-1/2" 15.5# csg @ 2049' w/ 350 sxs "C", TOC surf. |
| | Section 8-18S-27E | | | | | Perfs: 1662-1912' (29 holes) 2-7/8" tbg @ 1936'. |

ATTACHMENT VI

| Well Name | Location | Spud Date | Completion Date | Type of Well | Depth/PBTD | Completion Record |
|---------------------------|---|-----------|-----------------|--------------|--------------------------|--|
| West Red Lake Unit #47 | "G" 2310' FNL & 1510' FEL Section 8-18S-27E | 9/24/96 | 9/30/95 | Oil | 2250' PBTD 2199' | 8-5/8" 24# @ 1099' w/550 sxs cmt, TOC surf. 5-1/2" 15.5# @ 2249' w/365 sxs cmt, TOC surf. Perfs: 1656-2068' total of 25 holes, Acid & frac'd. 2-7/8" tbg @ 2099'. |
| West Red Lake Unit #50 | "C" 990' FNL & 1700' FWL Section 8-18S-27E | 8/50/90 | 10/18/95 * | Oil | 3044' PBTD 2175' ('94 | 8-5/8" 24# csg @ 1151' cmt'd w/550 sxs cmt, TOC surf. 4-1/2" csg @ 3040' w/900 sxs "C". TOC est @ surf perf'd 2832-2901' (21 holes in Yeso) Added perfs 2536-2764' in 4/91 (Yeso), Set CIBP @ 2200' w/2 sxs cmt, Perf'd 1876-1902' (21 holes), 1710-88', and 1644-90 (20 holes). |
| West Red Lake Unit #51 | "A" 1300' FNL & 1090' FEL Section 7-18S-27E | 10/26/95 | 12/1/95 | Oil | 2050' | 8-5/8" @ 964' w/675 sxs cmt, TOC calc @ surf 5-1/2" @ 2049' w/425 sxs cmt, TOC calc @ surf 1498-1908' perfs, acid & frac'd. 2-7/8" @ 1910'. |
| West Red Lake Unit #57 | "P" 280' FSL & 850' FEL Section 6-18S-27E | 10/13/95 | 11/15/95 | Oil | 2150' | 8-5/8" @ 999' w/500 sxs cmt, TOC calc @ surf 5-1/2" @ 2149' w/425 sxs cmt, TOC calc @ surf 1529-1962' acid & frac'd. 2-7/8" @ 2009'. |
| West Red Lake Unit #58 | "W" 660' FSL & 990' FWL Section 5-18S-27E | 3/4/96 | 4/3/96 | Oil | 2200' | 8-5/8" @ 1010' w/650 sxs cmt, TOC calc @ surf 5-1/2" @ 2250' w/485 sxs cmt, TOC calc @ surf 1540-1996' perf, acid & frac. 2-7/8" @ 2040'. |
| West Red Lake Unit #59 | "N" 100' FSL & 660' FWL Section 5-18S-27E | 3/10/96 | 4/20/96 | Oil | 2250' | 8-5/8" @ 1150' w/675 sxs cmt, TOC calc @ surf 5-1/2" @ 2250' w/485 sxs cmt, TOC calc @ surf 1506-1952' perf, acid & frac. |
| West Red Lake Unit #60 | "N" 50' FSL & 1930' FWL Section 5-18S-27E | 3/16/96 | 4/11/96 | Oil | 2200' PBTD 2153' | 8-5/8" 24# @ 1013' w/500 sxs cmt, TOC surf. 5-1/2" 15.5# @ 2200' w/370 sxs cmt, TOC surf. Perfs: 1536-1991' (31 holes) 2-7/8" tbg @ 2032'. |
| West Red Lake Unit #61 | "C" 330' FNL & 2310' FWL Section 9-18S-27E | 3/22/96 | 4/16/96 | Oil | 2400' | 8-5/8" @ 1013' w/500 sxs cmt, TOC calc @ surf 5-1/2" @ 2400' w/450 sxs cmt, TOC calc @ surf 1812-2249' perf'd, acid & frac'd. 2-7/8" @ 2256'. |
| West Red Lake Unit #63 | "H" 1500' FNL & 850' FEL Section 8-18S-27E | 4/4/96 | 4/25/96 | Oil | 2250' PBTD 2206' | 8-5/8" 24# @ 992' w/550 sxs cmt, TOC surf. 5-1/2" 15.5# @ 2250' w/400 sxs cmt, TOC surf. Perfs: 1656-2065' (26 holes), Acid & Frac'd, 2-7/8" tbg @ 2100'. |
| | | | | | | |

ATTACHMENT VI

| Well Name | Location | Spud Date | Completion Date | Type of Well | Depth/PBTD | Completion Record |
|---------------|-----------------------|-----------|-----------------|--------------|------------|--|
| West Red Lake | "I" | 4/10/96 | 4/27/96 | Oil | 2350' | 8-5/8" 24# csg @ 1033' cmt'd w/550 sxs cmt. TOC surf. |
| Unit #64 | 2250' FSL & 990' FEL | | | | PBTD 2311' | 5-1/2" csg @ 2350' w/460 sxs "C". TOC @ surf. |
| | Section 8-18S-27E | | | | | Perfs: 1689-2126' (28 holes) Acid & frac'd. |
| | | | | | | 2-7/8" tbg @ 2151'. |
| West Red Lake | "P" | 6/28/96 | 7/20/96 | Oil | 2300' | 8-5/8" 24# @ 1096' w/500 sxs cmt, TOC surf. |
| Unit #65 | 1108' FSL & 691' FEL | | | | PBTD 2226' | 5-1/2" 15.5# @ 2199' w/400 sxs cmt, TOC surf. |
| | Section 5-18S-27E | | | | | Perfs: 1594-2078' (28 holes), Acid & Frac'd, 2-7/8" tbg @ 1999'. |
| West Red Lake | "B" | 5/16/96 | 6/13/96 | Oil | 2200' | 8-5/8" 24# csg @ 1003' cmt'd w/600 sxs cmt. TOC surf. |
| Unit #69 | 330' FNL & 2050' FEL | | | | PBTD 2159' | 5-1/2" csg @ 2199' w/500 sxs. TOC @ surf. |
| | Section 8-18S-27E | | | | | Perfs: 1202-2013' (42 holes) Acid & frac'd. |
| | | | | | | 2-7/8" tbg @ 2047'. |
| West Red Lake | "B" | 5/23/96 | 6/23/96 | Oil | 2200' | 8-5/8" 24# @ 1006' w/500 sxs cmt, TOC surf. |
| Unit #70 | 700' FNL & 2600' FEL | | | | PBTD 2152' | 5-1/2" 15.5# @ 2199' w/400 sxs cmt, TOC surf. |
| | Section 8-18S-27E | | | | | Perfs: 1170-1989' (44 holes), Acid & Frac'd, 2-7/8" tbg @ 2025'. |
| West Red Lake | "B" | 5/3/96 | 7/18/96 | Oil | 2200' | 8-5/8" 24# csg @ 975' cmt'd w/600 sxs cmt. TOC surf. |
| Unit #71 | 710' FNL & 1650' FEL | | | | PBTD 2154' | 5-1/2" csg @ 2199' w/475 sxs. TOC @ surf. |
| | Section 8-18S-27E | | | | | Perfs: 1194-1996' (35 holes) Acid & frac'd. |
| | | | | | | 2-7/8" tbg @ 2040'. |
| West Red Lake | "F" | 6/5/96 | 7/20/96 | Oil | 2150' | 8-5/8" 24# @ 1000' w/500 sxs cmt, TOC surf. |
| Unit #72 | 1400' FNL & 2100' FWL | | | | PBTD 2107' | 5-1/2" 15.5# @ 2150' w/400 sxs cmt, TOC surf. |
| | Section 8-18S-27E | | | | | Perfs: 1208-1960' (40 holes), Acid & Frac'd, 2-7/8" tbg @ 1997'. |
| West Red Lake | "B" | 6/11/96 | 7/26/96 | Oil | 2200' | 8-5/8" 24# csg @ 1000' cmt'd w/500 sxs cmt. TOC surf. |
| Unit #73 | 1300' FNL & 2350' FEL | | | | PBTD 2154' | 5-1/2" csg @ 2199' w/400 sxs. TOC @ surf. |
| | Section 8-18S-27E | | | | | Perfs: 1182-1986' (41 holes) Acid & frac'd. |
| | | | | | | 2-7/8" tbg @ 2041'. |
| West Red Lake | "G" | 6/16/96 | 7/6/96 | Oil | 2250' | 8-5/8" 24# @ 1000' w/500 sxs cmt, TOC surf. |
| Unit #74 | 1930' FNL & 2600' FEL | | | | PBTD 2205' | 5-1/2" 15.5# @ 2250' w/325 sxs cmt, TOC surf. |
| | Section 8-18S-27E | | | | | Perfs: 1196-1996' (17 holes), Acid & Frac'd, 2-7/8" tbg @ 2039'. |
| West Red Lake | "G" | 6/22/96 | 8/16/96 | Oil | 2250' | 8-5/8" 24# csg @ 1092' cmt'd w/400 sxs cmt. TOC surf. |
| Unit #75 | 2200' FNL & 2100' FEL | | | | PBTD 2205' | 5-1/2" csg @ 2251' w/385 sxs. TOC @ surf. |
| | Section 8-18S-27E | | | | | Perfs: 1232-2046' (38 holes) Acid & frac'd. |
| | | | | | | 2-7/8" tbg @ 2076'. |

ATTACHMENT VI

| Well Name | Location | Spud Date | Completion Date | Type of Well | Depth/PBTD | Completion Record |
|---------------|-----------------------|-----------|-----------------|--------------|------------|--|
| West Red Lake | "N" | 5/10/96 | 5/31/96 | Oil | 2400' | 8-5/8" @ 999' w/500 sxs cmt, TOC calc @ surf |
| Unit #76 | 850' FSL & 2310' FWL | | | | | 5-1/2" @ 2399' w/525 sxs cmt, TOC calc @ surf |
| | Section 4-18S-27E | | | | | 1952-2216' perf'd acid & frac'd. 2-7/8" @ 2254'. |
| West Red Lake | "F" | 7/10/96 | 8/2/96 | Oil | 2200' | 8-5/8" 24# csg @ 1045' cmt'd w/600 sxs cmt. TOC surf. |
| Unit #78 | 2530' FNL & 1500' FWL | | | | PBTD 2155' | 5-1/2" csg @ 2199' w/450 sxs. TOC @ surf. |
| | Section 8-18S-27E | | | | | Perfs: 1540-1949' (30 holes) Acid & frac'd. |
| | | | | | | 2-7/8" tbg @ 1999'. |
| | | | | | | |
| Hawk "8J" | "J" | 7/16/96 | 8/8/96 | Oil | 2250' | 8-5/8" 24# @ 1059' w/500 sxs cmt, TOC surf. |
| Federal #1 | 2210' FSL & 2310' FEL | | | | PBTD 2205' | 5-1/2" 15.5# @ 2249' w/400 sxs cmt, TOC surf. |
| | Section 8-18S-27E | | | | | Perfs: 1238-2066' (26 holes), Acid & Frac'd, 2-7/8" tbg @ 2111'. |
| Hawk "8K" | "K" | 8/2/96 | 9/1/96 | Oil | 2199' | 8-5/8" 24# @ 1044' w/500 sxs cmt, TOC surf. |
| Federal #3 | 2310' FSL & 1650' FWL | | | | PBTD 2156' | 5-1/2" 15.5# @ 2199' w/400 sxs cmt, TOC surf. |
| | Section 8-18S-27E | | | | | Perfs: 1567-1966' (27 holes), Acid & Frac'd, 2-7/8" tbg @ 2117'. |
| Hawk "8L" | "L" | 7/21/96 | 8/15/96 | Oil | 2199' | 8-5/8" 24# @ 1022' w/500 sxs cmt, TOC surf. |
| Federal #5 | 2160' FSL & 725' FWL | | | | PBTD 2159' | 5-1/2" 15.5# @ 2199' w/400 sxs cmt, TOC surf. |
| | Section 8-18S-27E | | | | | Perfs: 1524-2014' (25 holes), Acid & Frac'd, 2-7/8" tbg @ 2038'. |
| Hawk "9B" | "B" | 11/9/96 | 11/27/96 | Oil | 2400' | 8-5/8" 24# @ 1064' w/500 sxs cmt, TOC surf. |
| Federal #3 | 330' FNL & 2010' FEL | | | | 2357' | 5-1/2" 15.5# @ 2399' w/550 sxs cmt, TOC surf. |
| | Section 9-18S-27E | | | | | Perfs: 1810-2246' , Acid & frac'd. 2-7/8" tbg OE @ 1961'. |
| | | | | | | |
| | | | | | | |
| Hawk "9E" | "E" | 8/14/96 | 9/17/96 | Oil | 2411' | 8-5/8" 24# @ 1095' w/500 sxs cmt, TOC surf. |
| Federal #5 | 1650' FNL & 330' FWL | | | | PBTD 2364' | 5-1/2" 15.5# @ 2410' w/425 sxs cmt, TOC surf. |
| | Section 9-18S-27E | | | | | Perfs: 1674-2128' (32 holes), Acid & Frac'd, 2-7/8" tbg @ 2159'. |
| Hawk "9E" | "E" | 9/21/96 | 10/12/96 | Oil | 2400' | 8-5/8" 24# @ 1112' w/500 sxs cmt, TOC surf. |
| Federal #6 | 2310' FSL & 750' FWL | | | | PBTD 2352' | 5-1/2" 15.5# @ 2399' w/450 sxs cmt, TOC surf. |
| | Section 8-18S-27E | | | | | Perfs: 1758-2190' (35 holes), Acid & Frac'd, 2-7/8" tbg @ 2227'. |
| | | | | | | |
| Hawk "9F" | "F" | 8/20/96 | 9/16/96 | Oil | 2400' | 8-5/8" 24# @ 1011' w/600 sxs cmt, TOC surf. |
| Federal #7 | 1500' FNL & 1650' FWL | | | | PBTD 2352' | 5-1/2" 15.5# @ 2399' w/500 sxs cmt, TOC surf. |
| | Section 9-18S-27E | | | | | Perfs: 1580-2225' (30 holes), Acid & Frac'd, 2-7/8" tbg @ 2250'. |
| Hawk "9F" | "F" | 10/19/96 | 11/7/96 | Oil | 2500' | 8-5/8" 24# @ 1065' w/500 sxs cmt, TOC surf. |
| Federal #8 | 2310' FSL & 2460' FWL | | | | 2454' | 5-1/2" 15.5# @ 2499' w/575 sxs cmt, TOC surf. |

| Well Name | Operator | Location | Spud Date | Completion Date | Type of Well | Depth/PBTD | Completion Record |
|------------------------|-----------------|-----------------------|-----------|-----------------|--------------|------------|--|
| Empire L-5 | ARCO | "N" | 2/9/64 | 3/10/64 | Inactive | 3553' | 8-5/8" @ 1480' w/625 sxs cmt, cmt calc @ surf |
| (Simon Federal #1) | (Pan American) | 330' FSL & 987' FWL | | | oil | | 4-1/2" @ 5524' w/800 sxs cmt, cmt calc @ 2000' |
| 30-015-10058 | | Sec. 4-18S-27E | | | | | perms: 5428-5443' acid w/5000 gals. |
| Empire ABO L #6 | ARCO | "N" | 3/21/60 | 4/15/60 | Inactive | 3573' | 8-5/8" @ 1518' w/750 sxs cmt, cmt calc @ surf |
| 30-015-00769 | | 430' FSL & 2310' FWL | | | oil | | 4-1/2" @ 5635' w/700 sxs cmt, cmt calc @ 2500' |
| | | Section 4-18S-27E | | | | | perms: 5560-5584', acid w/10,000 gals. |
| Julia A Federal #2 | Breck Operating | "L" | 6/15/37 | 12/6/37 | Inactive | 3467' | 10" @ 425', 8-5/8" @ 980', 6-5/8" @ 1277', no cmt detail given |
| 30-015-00778 | | 1650' FSL & 300' FWL | | | oil | | 1277'-1824' OH production |
| | | Section 5-18S-27E | | | | | |
| Julia A Federal #1 | Breck Operating | "L" | 9/9/32 | 4/20/33 | Active oil | 1893' | 12-1/2" @ 472', 10" @ 992', 8-1/4" @ 1076', 6-5/8" @ 1345' |
| 30-015-00782 | | 1980' FSL & 4260' FEL | | | | | no cmt detail available |
| | | Section 5-18S-27E | | | | | 1840-1859' OH production |
| Brainard #8 | Yates | "P" | 2/8/36 | 3/2/36 | Oil | 1258' | 8-5/8" @ 1102', no cmt detail given. |
| 30-015-00786 | | 200' FSL & 545' FEL | | | | | IP: 20 BOPD f/1102'-1258'. no treatment given. |
| | | Section 5-18S-27E | | | | | |
| Julia "A" Federal #2 | Breck Oper Co | "P" | 7/4/30 | 10/2/30 | Oil | 1260' | 12-3/4" @ 232', no cmt detail given |
| (Brainard #3) | (Compton RD) | 332' FSL & 810' FEL | | | | | 10" @ 537', no cmt detail given |
| 30-015-00780 | | Section 5-18S-27E | | | | | IP: 70 BOPD f/1259'-1260'. |
| Brainard #7 | Compton RD | "P" | 11/28/35 | 1/5/36 | Oil | 1263' | 10 3/4" @ 573', no cmt detail given |
| 30-015-00785 | | 200' FSL & 1220' FEL | | | | | 8-1/4" @ 1085', no cmt detail given |
| | | Section 5-18S-27E | | | | | 6-5/8" @ 1262', no cmt detail given. |
| | | | | | | | IP: 15 BOPD f/1257'-1263'. |
| Brainard-Federal "A" 6 | Compton RD | "P" | 1/23/34 | 7/10/34 | D&A | 1931' | SEE DOWNHOLE SCHEMATIC FOR P&A'd WELLS FOR |
| 30-015-00784 | | 660' FSL & 330' FEL | | | | | |
| | | Section 5-18S-27E | | | | | |
| Brainard #4 | Compton RD | "P" | 2/15/33 | 6/29/33 | D&A | 2500' | SEE DOWNHOLE SCHEMATIC FOR P&A'd WELLS FOR |
| 30-015-00783 | | 990' FSL & 660' FEL | | | | | |
| | | Section 5-18S-27E | | | | | |
| Brainard #1 | Compton RD | "O" | 9/27/38 | 6/21/39 | D&A | 2002' | SEE DOWNHOLE SCHEMATIC FOR P&A'd WELLS FOR |
| 30-015-00777 | | 330' FSL & 1650' FEL | | | | | |
| | | Section 5-18S-27E | | | | | |
| Choque AMX | Yates Petr Corp | "O" | 7/30/93 | 8/15/95 | P&A | 3950' | SEE DOWNHOLE SCHEMATIC FOR P&A'd WELLS FOR |
| Federal #1 | | 660' FSL & 2310' FEL | | | | | |
| 30-015-27521 | | Section 5-18S-27E | | | | | |

| Well Name | Operator | Location | Spud Date | Completion Date | Type of Well | Depth/PBTD | Completion Record |
|---|--|---|-----------|-----------------|--------------|------------|---|
| Julia B Federal #1 30-015-00791 | Breck Operating | "I" 1650' FSL & 330' FEL Section 6-18S-27E | 4/3/43 | 6/25/43 | Oil | 3457' | 10" @ 564', no cmt detail available 8-1/4" @ 1060' w/75 sxs cmt, cmt calc @ 400'. 1060-1817' open hole production |
| Simon Julian E #4 30-015-00829 | Compton | "A" 990' FNL & 990' FEL Section 8-18S-27E | 5/2/45 | 6/17/45 | Inactive oil | 3445' | 7" @ 1085 w/75 sxs cmt, TOC calc @ 500'. 1085-1225' open hole production. |
| Hondo "B" Federal Gas Com #1 30-015-21114 | Amoco Prod Co | "L" 2310' FSL & 660' FWL Section 8-18S-27E | 11/8/74 | 12/5/85 | P&A'd | 9418' | SEE DOWNHOLE SCHEMATIC FOR P&A'd WELLS FOR WELL INFO |
| Vandergriff # 4 30-015-00831 | JE Simon | "F" 1650' FNL & 2310' FWL Section 8-18S-27E | 4/7/49 | 5/11/49 | D&A | 1215' | SEE DOWNHOLE SCHEMATIC FOR P&A'd WELLS FOR WELL INFO |
| Empire ABO Unit N-4 30-015-00823 formerly Chalk Bluff Draw Unit #3 | ARCO | "H" 2260' FNL & 440' FEL Section 8-18S-27E | 1/1/64 | 6/25/64 | Oil | 9580' | 11-3/4" @ 570' w/150 sxs cmt, TOC est @ surf 8-5/8" @ 3088' w/1100 sxs cmt, TOC est @ surf 5-1/2" @ 9280' w/1090 sxs cmt, TOC est @ 3460' Treated 9505-9555' w/acid, IP 3566 MCFD. Treated 5260-5418' w/5000 gals acid in workover. |
| Empire ABO Unit N #6 30-015-00836 | Arco Oil & Gas (Humble Oil & Refining) | "F" 1980' FNL & 1980' FWL Section 9-18S-27E | 7/2/60 | 7/28/60 | P&A | 5703' | SEE DOWNHOLE SCHEMATIC FOR P&A'd WELLS FOR WELL INFO |
| Empire ABO Unit #5 30-015-00839 | Arco Oil & Gas (Humble Oil & Refining) | "L" 1650' FSL & 990' FWL Section 9-18S-27E | 5/15/60 | 6/9/60 | Oil | 5700' | 8-5/8" @ 1501' w/800 sxs cmt, TOC est @ surf 5-1/2" @ 5100' w/800 sxs cmt, TOC est @ surf Treated w/6000 gals acid, IP: 231 BOPD w/FTP 400 psi. |
| Empire ABO Unit #6 30-015-00835 | Arco Oil & Gas (Humble Oil & Refining) | "K" 1980' FSL & 1980' FWL Section 9-18S-27E | 2/3/60 | 7/10/60 | Oil | 5717' | 8-5/8" @ 1476' w/750 sxs cmt, TOC est @ surf 5-1/2" @ 5717' w/350 sxs cmt, TOC est @ 3051' Treated w/1000 gals acid, IP: 129 BOPD w/FTP 300 psi f/5600-5628' |
| Empire ABO Unit #5 30-015-00840 | ARCO (Humble) | "H" 2310' FNL & 900' FEL Section 9-18S-27E | 4/14/60 | 5/7/60 | Active oil | 3530' | 8-5/8" @ 1519' w/750 sxs cmt, cmt calc @ surf 4-1/2" @ 5665' w/800 sxs cmt, cmt calc @ 2000' Perfs: 5548-5572', acid w/6000 gals. |
| Empire ABO Unit #7 30-015-20141 | ARCO (Pan American) | "G" 2300' FNL & 1642' FEL Section 9-18S-27E | 5/9/68 | 5/29/68 | Active oil | 3526' | 8-5/8" @ 1520' w/700 sxs cmt, cmt calc @ surf 4-1/2" @ 5709' w/300 sxs cmt, cmt calc @ 4000' Perfs: 5630-40' acid w/2000 gals. |

OK/N 6/8/57

CSG inspection 5/18/72

SHEET NO.

OF

Devon

ENGINEERING CHART

PA 3/14/80

FILE

DATE 10/23/92

BY LS Powell

SUBJECT: WRLU #14 (Mildred Crane - Hudson - Vandergriff #2)

1650' FNL 330' FEL Section 7-18S-27E

Elevation Top 7" CSG 3348'

ToR @ 972 (CBL 9/74)

CR @ 961

SQZ PERF @ 959'-960'
CIRCULATED CEMENT + CSUR

7" 26# @ 1011' cement dw/ 75SX

Grayburg 1057'-1060'

1068'-1070'

1074'-75

1091'-96

SQZ 10
35SX
(6/80)

5SX

CR @ 1496'

SQZ 10
(3/80)
w/ 115SX

1664'-68'
1672'-75
1681'-83'
1690'-1710'
1714'-1720

4 1/2" 9.5# @ 1751' cement dw/ 80SA

SUBJECT: WRLU #14 (Hudson - Vandersgrift #2)

11/52 Initially open hole completion w/7" set @ 1011'. (per selective plug
of Acid treatment report) Acidized 1700' to 1754' w/ open
hole plug set @ 1700' max pressure 2250#/. Put acid away
After treatment making 5 burs 11/5/92 Acidized again: no increase
Then Treated 1683'-1712 Acidized w/ 2000 gallons

6/6/57 Ran 1750' of 4 1/2" csg

6/10/57 Treated 1664'-1720 OA (98 shots) Frac'd w/
12,000 gallon lease oil & 12,000# 20/40 sand
perfs 1664'-1668' 1690'-1710
1672'-75
1681'-83
IP'd 50 BOPD + 10 BWPD

11/60 Frac'd again 1664'-1710' (11/4/60)
Treated dual 4 1/2" ann @ 2200# w/ 52,000# 20/40 sand
and 107,730 gallons slick water Flushed
w/ 100 BBLS OVER displaced.

9/68 Workover to convert to injection SQZ'D 4 1/2 @ 959-60
back to surface SQZ'D 3 time test'd OK Dehydrated
Graybug 1057' to 1096' OA UNABLE to Frac
Pressure increasing @ RATE coming down
Converted dual WTW set TENSION PER @ 1152

4/69 Injection Profile ran 4/2/69
NO fluid movement per trace below 1722'
velocity shots erratic, partial in hole.
40% in very bottom perfs 1714-20

6/13/73 Static temp survey

7/9/74 Static temp survey

P&A'd 3/14/80

INSTRUCTIONS: Prepare and submit the **INITIAL REPORT** on the first Wednesday after a well is spudded or workover operations are started. Daily work prior to spudding should be summarized on the form giving inclusive dates only.

DAILY WELL HISTORY-INITIAL REPORT

District New Mexico-Arizona County or Parish Eddy State New Mexico

Field Red Lake Lease or Unit West Red Lake Unit Well No. 14

Auth. ~~NO. 64-2796 &~~ 64-2796 & H4-7161 Title Convert to Water Injection Well

Operator ARCO Hondo's WI = 30.64433
 Spudded or ARCO'S W.I. = 67.20255
 W.O. Begun 9/18/68 Date _____ Hour _____ Prior Status _____
 if a W. O. _____

| Date & Depth as of 8:00 A.M. | Complete Record for each Day Reported |
|---------------------------------|---|
| 9/19/68 1751' TD 1747' PBD | Running ret. BP. RU plg unit on 9/18/68. Laid down rods & pump. Tagged bottom w/2" tbg & MOH. PBD @ 1747'. Ran Acoustic Cement Bond Log which indicated top of cement @ 972'. Loaded hole w/240 bbls fresh water while logging. Perforated for squeeze from 959-960' w/4 JSPP. Now running ret. BP & FBRC on 2-7/8" tbg. Prep to circulate cement behind 4-1/2" casing. |
| 9/20/68 | WOC. Ran Baker ret. BP & FBRC on 2-7/8" N-80 tbg. Set BP @ 1159' & tested to 1000#. OK. Circulated 2 sx frac sand on top of BP. Set pkr @ 864'. Cemented 4-1/2" x 7" csg annulus thru perforations 959-60 w/85 sx Incor cement containing 2% CaCl. Cement circulated. Displaced cement inside 4-1/2" csg to 920'. Job complete @ 1:30 PM 9/19/68. Now prep to drill out. |
| 9/23/68 | Ran 3-7/8" bit & Baker csg scraper on 2-1/2" tbg. Tagged top of cement @ 915'. Drld soft cement from 915-930'. Drld hard cement from 930-960'. Pld bit. Ran pkr on 2-1/2" tbg & tested perfs 959-960 w/2500 psi. Had 700# decrease in 20 min. Tested ret. BP to 2000#. Held OK. Spotted 100 gal 15% HCl acid across perfs 959-960'. Pmpd into formation @ 6 BPM w/1200#. Squeeze Job #1: Squeezed above perfs w/50 sx Incor cement. FP 3000#. Necessary to stage cement for 1 hr to obtain squeeze. Job complete @ 1:30 PM 9/21. Released pkr & POH. WOC to 8:00 AM 9/22. Ran 3-7/8" bit & scraper. Drld very hard cement from 948-960'. Tested squeeze job w/1800#. Had 190# pressure decrease in 40 min. Shut down overnight. Prep to squeeze perforations. |
| 9/24/68 | Ran FBRC on 2-1/2" tbg. Tested ret. BP to 2000#. Held OK. Spotted 125 gal 15% HCl acid & pumped into perfs 959-60 w/2000#. Pumped in @ 2 BPM @ 1600#. Set pkr @ 890' for squeeze job #1, stage #2: Squeezed perfs 959-60 w/10 sx Incor containing 1/4#/sk walnut hulls. Set 15 sx in csg. Reversed out 25 sx. Final squeeze pressure 1200#. Held pressure for 1-1/2 hrs. Pld pkr & shut down. WOC. Now rng bit & scraper, prep to drill out. |
| 9/25/68 | Tagged top of cmt @ 894'. Drld hard cmt from 894-960 by reverse circulation. Tested squeeze job on perfs 959-60 w/1550#. Held OK. Pld bit & scraper. Dresser-Atlas perf Grayburg w/2 JSPP @ 1057-60, 1068-70, 1074-75 & 1091-96 (GR-N). Ran FBRC on 2-1/2" tbg. SD for night. Prep to frac. |

SIGNATURE

DATE

District Drilling Supervisor

TITLE:

INSTRUCTIONS: Prepare and submit the FINAL REPORT on the first Wednesday after allowable has been assigned or well is Plugged, Abandoned, or Sold. FINAL REPORT should be submitted also when operations are suspended for an indefinite or appreciable length of time. On workovers when an official test is not required upon completion, report completion and representative test data in blocks provided. The FINAL REPORT form may be used for reporting the entire operation if space is available.

DAILY WELL HISTORY - FINAL REPORT - CORRECTED REPORT

District New Mexico-Arizona County or Parish Eddy State New Mexico
 Field Red Lake Lease or Unit West Red Lake Unit Well No. 14
 Auth. ~~XXXXXX~~ No. H4-7161 & 64-2796 Title Convert to Water Injection Well

Operator ARCO Hondo's WI = 30.64433
~~XXXXXX~~ TARCO'S W.I. = 67.20255
 W.O. Begun 9/18/68 Date _____ Hour _____ if a W.O. _____

| Date & Depth as of 8:00 A.M. | Complete Record for Each Day Reported |
|---------------------------------|--|
| 9/26/68 1751' TD 1747' PBD | Ran FBRC on 2-1/2" tbg & spotted acid across perfs. Set pkr @ 1002'. Acid Job #1: Trtd Grayburg perfs 1057-1096 w/500 gal 15% ISTNE HCl acid. Staged 30 7/8" RCN ball sealers throughout acid. Pmpd into formation w/3 BPM @ 2200#. ATP 2500#, ISIP 1300#. Had fair ball action & complete ballout w/3800#. Job complete @ 11:00 AM 9/25. RU frac eqpt & pmpd 50 bbls slick fresh water pad. Pmp rate went from 11 BPM @ 3000# to 5 1/2 BPM @ 4000# & press. still increasing. Pmpd in 1000 gal 15% HCl acid @ 11 BPM. Pressure decreased from 3800# to 3400#. Overflushed acid w/10 bbls fresh wtr. Job complete @ 3:50 PM 9/25. ISITP 1600#. Left well SI overnight. SITP @ 7:30 AM 9/26 = 500#. Now flwg well back, prep to swab. |
| 9/27/68 | Flwd 20 BIW & died. Swbd 10 BAW & swbd well dry. Released pk Washed 10' of frac sd from BP & retrieved same. Laid down 2 1/2" work string & BP. Ran completion assembly consisting of one 2-3/8" x 4-1/2" Johnston 101-S tension pkr & 38 jts 2-3/8" EUE 8R 4.7# J-55 tbg equal to and bottomed @ 1152.07'. Set pk @ 1152' w/15000# tension. Installed water injection wellhead & valves. RD & released plg unit @ 9:00 AM 9/27. This well converted to WIW for WRLU Waterflood. <u>FINAL REPORT.</u> |

Old TD 1751' New TD _____ PB Depth 1747'

Released Rig _____ Date _____ Kind of Rig _____
 Classifications _____ Type Completion _____
 (Oil, Gas, etc.) _____ (Single, Dual, etc.) WIW

Producing Method _____ Official Reservoir Name(s) _____

Potential Test Data:

| WELL NO. | DATE | RESERVOIR | PRODUCING INTERVAL | | OIL OR GAS | TEST TIME | PRODUCTION | |
|-------------------------|------------|---------------------|------------------------|---------|------------|-------------------|-------------|----------------|
| | | | | | | | OIL ON TEST | GAS PER DAY |
| 14 | | San Andres-Grayburg | 1664-1720 1057-1096 | | | | | |
| PUMP SIZE, SPM X LENGTH | CHOKE SIZE | T. P. | C. P. | WATER % | GOR | GRAVITY CORRECTED | ALLOWABLE | EFFECTIVE DATE |
| | | | | | | | WIW | |

The Above is Correct:

O.D. Fletcher 10/2/68
 SIGNATURE DATE
 District Drilling Supervisor

CORRECTED PAGE

TITLE

Daily Well History - Final Report

Instructions: Prepare and submit the "Final Report" on the first Wednesday after allowable has been assigned or well is Plugged, Abandoned, or Sold. "Final Report" should be submitted also when operations are suspended for an indefinite or appreciable length of time. On workovers when an official test is not required upon completion, report completion and representative test data in blocks provided. The "Final Report" form may be used for reporting the entire operation if space is available.

| | | |
|--------------------------------------|--|----------------------------|
| District Permian-West Area | County or Parish Eddy | State New Mexico |
| Field Red Lake-Grayburg SA | Lease or Unit West Red Lake Unit | Well no. 14 |
| Auth. or W.O. no. None | Title Run Tubing Inspection Log | |

| | |
|----------------------------|----------------------------------|
| Operator A.R.Co. | A.R. Co. W.I. 67.20255 |
| Spudded or W.O. begun | Hondo WI 30.64433 |
| Date | Prior status if a W.O. |
| Hour | |

| | |
|--------------------------------|--|
| Date and depth as of 8:00 a.m. | Complete record for each day reported |
| 5/22/72 1751' TD 1747' PBD | On May 18, 1972 RU McCullough and ran magnetic tubing inspection log from 1152' (bottom of 2-3/8" tubing) to surface. Survey indicated severe pits at 146', 1003' and 1035' and light to moderate pitting & corrosion on all tubing. This is a conventional dual WIW in West Red Lake Unit Waterflood. |

| | | |
|--|---|--------------------------|
| Old TD 1751' | New TD | PB Depth 1747' |
| Released rig | Date | Kind of rig |
| Classifications (oil, gas, etc.) WIW | Type completion (single, dual, etc.) Dual | |
| Producing method | Official reservoir name(s) | |

| Potential test data | | | | | | | |
|-------------------------|------------|--------------------------------|--------------------------------|------------|-----------|-------------------|----------------|
| Well no. | Date | Reservoir | Producing Interval | Oil or gas | Test time | Production | |
| | | | | | | Oil on test | Gas per day |
| 14 | | Grayburg San Andres | 1057-1096 1664-1720 | WIW | | | |
| Pump size, SPM X length | Choke size | T.P. | C.P. | Water % | GOR | Gravity corrected | Allowable |
| | | | | | | | Effective date |
| | | | | | | | |

| | | |
|-----------------------------------|------------------------|--|
| The above is correct | | |
| Signature <i>C.D. Sretcher</i> | Date 5/24/72 | Title Dist. Drlg. Supervisor |

For form preparation and distribution, see Procedures Manual, Section 10, Drilling, Pages 86 and 87.

ARCO Oil and Gas Company

Daily Well History - Final Report

Instructions: Prepare and submit the "Final Report" on the first Wednesday after allowable has been assigned or well is Plugged, Abandoned, or Sold. "Final Report" should be submitted also when operations are suspended for an indefinite or appreciable length of time. On workovers when an official test is not required upon completion, report completion and representative test data in blocks provided. The "Final Report" form may be used for reporting the entire operation if space is available.

| | | | |
|---------------------------------|-------------------------------------|--------------------------|--|
| District Permian - West Area | | County or Parish Eddy | Accounting cost center code H458006 & 6458017 |
| Field West Red Lake | Lease or Unit West Red Lake Unit | State New Mexico | Well no. 14 |
| Auth. or W.O. no. A612880 | Title P&A | | |

| | | | |
|--------------------------------|--------------------------|---|------------------------|
| Operator ARCO | A.R.Co. W.I. 97.8482% | Total number of wells (active or inactive) on this cost center prior to plugging and abandonment of this well | |
| Spudded or W.O. begun W. O. | Date 3/18/80 | Hour | Prior status if a W.O. |

Date and depth as of 8:00 a.m. Complete record for each day reported

3-19-80 1751' TD

FINAL REPORT, Well P&A//

MIRU, NU BOP, rel pkr & POH w/38 jts tbg. WIH w/3-7/8" bit & csg/scraper to 1732' PBTD, circ hole clean w/FW. RIH w/49 jts tbg & retr to 1495.65', pmpd thru OK, set. Tstd tbg to 1500# OK. Sqzd perfs 1664-1720' w/115 sx C1 C, 2% CaCl to 500#. Dmpd 5 sx cmt on retr, rev tbg clean. POH. WIH w/retr & 31 jts to 960.68'. Pmpd thru OK, set. Tstd tbg to 1800# OK. Press annulus to 300#, estab inj rate 1 1/2 BPM @ 1000#. Sqzd perfs 1057-1096' w/35 sx C1 C cmt, 2% CaCl. Rev tbg clean. POH. Rem stinger, WIH OE to 960'. Circ cmt to pit w/90 sx C1 C, 2% CaCl. POH, LD tbg. Rem BOP & WH. Pmpd 10 sx cmt via csg to fill. Inst marker. Well P&A 3/14/80.

| | | | | | | |
|----------------------------------|------------|-----------|--------------------|--------------------------------------|-----------|-------------------|
| Old TD | | New TD | | PB Depth | | |
| Released rig | | Date | | Kind of rig | | |
| Classifications (oil, gas, etc.) | | | | Type completion (single, dual, etc.) | | |
| Producing method P&A | | | | Official reservoir name(s) | | |
| Potential test data | | | | | | |
| Well no. | Date | Reservoir | Producing Interval | Oil or gas | Test time | Production |
| | | | | | | Oil on test |
| | | | | | | Gas per day |
| Pump size, SPM X length | Choke size | T.P. | C.P. | Water % | GOR | Gravity corrected |
| | | | | | | Allowable |
| | | | | | | Effective date |
| | | | | | | P&A |

The above is correct

| | | |
|-------------------------|-----------------|----------------------------|
| Signature L. D. Lane | Date 3/31/80 | Title Dist. Drlg. Supt. |
|-------------------------|-----------------|----------------------------|

For form preparation and distribution, see Procedures Manual, Section 10, Drilling, Pages 86 and 87.

LANE



WELLS

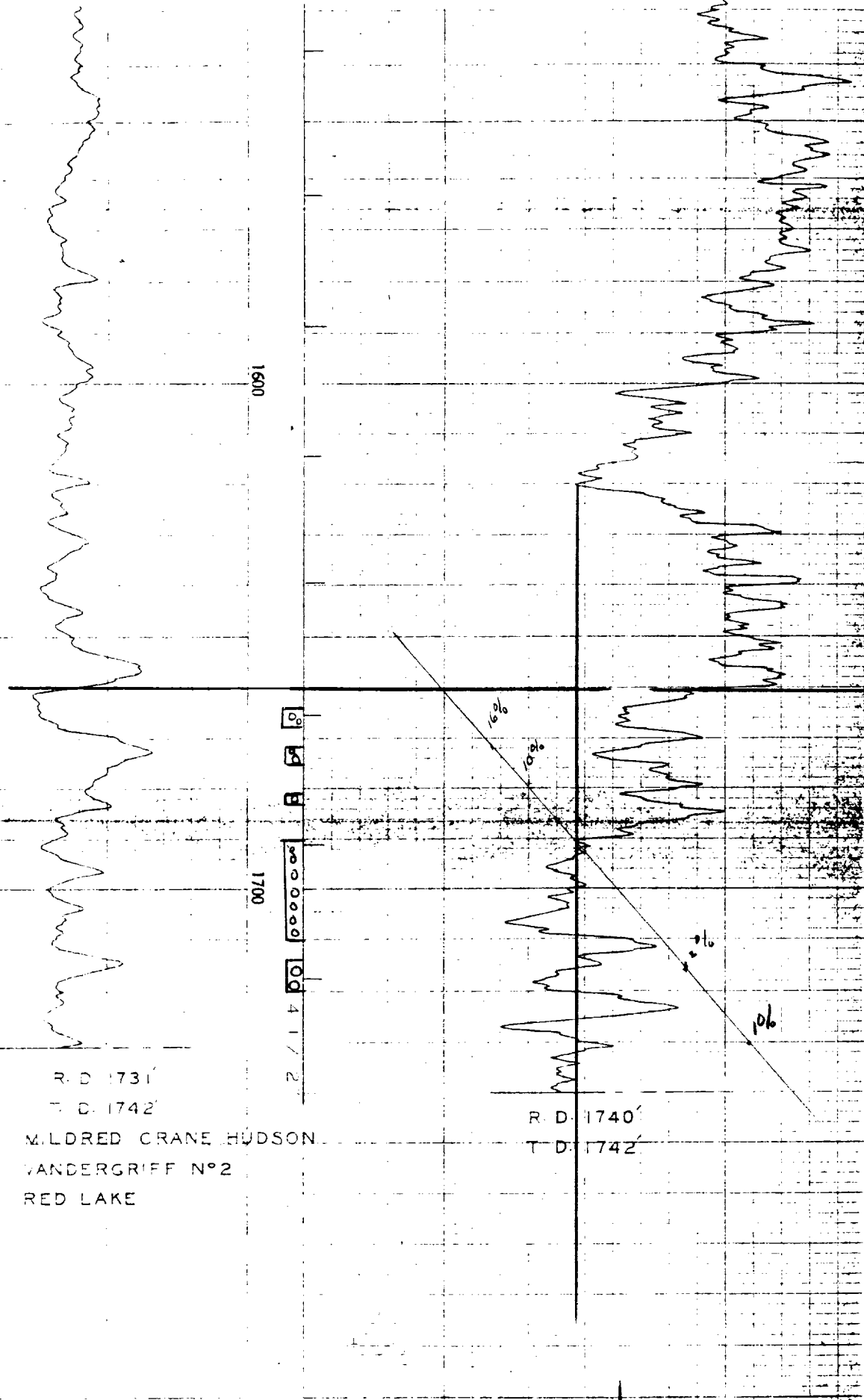
Radioactivity Log

| | | | | | |
|--|-------------------------|-----------------|---------------------------------|--------------|-------------------|
| COMPANY: MILLER CRANE HULSON | WELL: VANDERGRIFT NO. 2 | FIELD: RED LAKE | LOCATION: SEC. 7, T-18-S, R-27- | COUNTY: EDDY | STATE: NEW MEXICO |
| COUNTY: Y. FIELD: SEC. HUDSON CORRELATION: #14 ORCU #14 FEL ON: SE OF NE OF SEC. 27-E STATE: N. MEX. | | | | | |
| ELEV. 3348 ELEV. 3348 ELEV. 3348 | | | | | |

PROD. & DRLG. FILE

| | |
|---------------------------|----------|
| TYPE OF LOG | 1/GAMMA |
| RUN NO. | ONE-ON |
| DATE | 8-57 |
| TOTAL DEPTH (FEET) | 150 |
| EFFECTIVE DEPTH (FEET) | 142 |
| TOP OF LOGGED INTERVAL | SURFACE |
| BOTTOM OF LOGGED INTERVAL | 1740 |
| TYPE OF FLUID IN WELL | WATER |
| FLUID LEVEL | FULL |
| MAXIMUM RECORDED TIME | 100N |
| SOURCE STRENGTH | 10.25 |
| SOURCE SPACING | 1 |
| LENGTH OF MEASUREMENT | 5/8 |
| O.D. OF INSTRUMENT | 1.2 |
| TIME CONSTANT | 10-40 |
| LOGGING SPEED | RECORDED |
| STATISTICAL VARIATION | 175 |
| SENSITIVITY REFERENCE | CHAMBER |
| DETECTOR CLASS | 1709 |
| DETECTOR TYPE | BUTTON |
| RECORDED BY | HULSON |
| WITNESSED BY | |

| WELL RECORD | | | | FROM LOG | |
|-------------|----------|----|---------|-----------------|--|
| RUN | BIT SIZE | WT | | | |
| ONE | | | TO 1011 | SURFACE TO 1010 | |
| ONE | | | TO 1745 | SURFACE TO 1742 | |
| | | | TO | TO | |
| | | | TO | TO | |
| | | | TO | TO | |



A
B

R.D. 1731'
T.D. 1742'

MILDRED CRANE HUDSON
VANDERGRIFF N°2
RED LAKE

R.D. 1740'
T.D. 1742'

WRLU # 14
Elev 3348'

G/R LOG CALIBRATION
BEFORE LOG

| | |
|--------------------------------|---------|
| RADIATION UNITS OF CALIB. STD. | 100 |
| SENSITIVITY READING | 136 |
| MULTIPLIER | 150/150 |
| 25°C SUPPRESSION | 0 |
| TIME CONSTANT | 4 |
| CHART DIVISION | 13.6 |

Originally open hole
Completion

Devon

ENGINEERING CHART

PEA 3/17/80

SHEET NO.

OF

FILE

DATE

BY L. Powell

SUBJECT: West Red Lake #16

2240' FSL & 400' FEL Section 7 18S-27E

TDC 5 1/2" @ 430'

4 way set dwt 3/80 left
@ 493

CR @ 880

8 5/8" @ 925

Cmt'd w/ 300 sacks Circ to surface

| | | |
|-----|---|---------|
| 50' | = | 1090-92 |
| 50' | = | 1097-99 |
| 50' | = | 1102-03 |
| 50' | = | 1121-24 |

10/68

From
wtr

- CR @ 1510

| | | |
|-----|---|---------------|
| 50' | = | 1683'-1693' A |
| 50' | = | 1716'-1722' |
| 50' | = | 1728-1738 |
| 50' | = | 1743'-1752 |
| 50' | = | 1760'-1766 |
| 50' | = | 1768'-1774' |

B

7/57

5 1/2" 14# J-SS set @ 1820'
Cemented w/ 225 sacks

Devon

ENGINEERING CHART

P&A 10/15/85

SHEET NO.

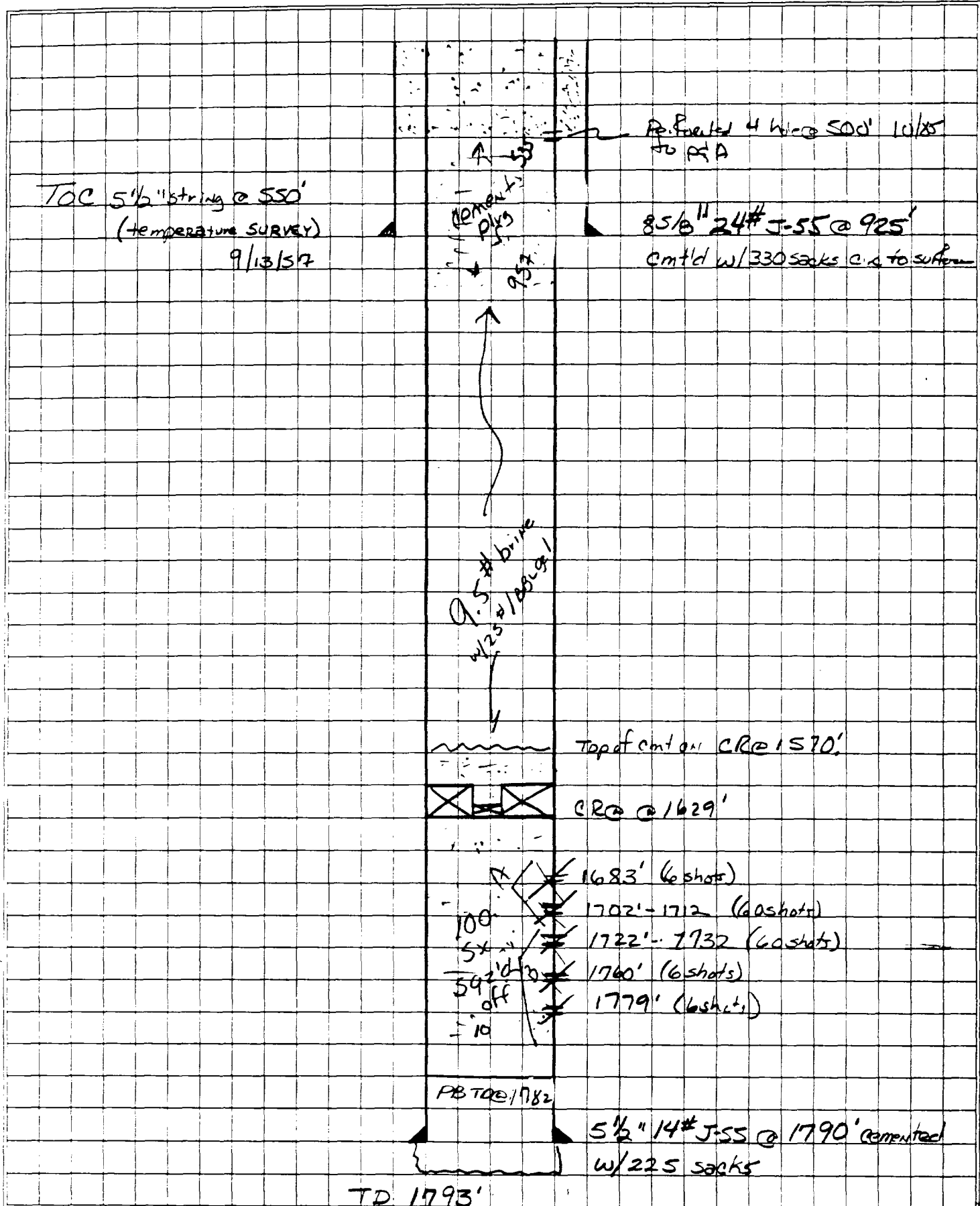
OF

FILE

DATE 10/29/92

BY LS Powell

SUBJECT: WRLU #20 (Malco Refiner Inc. - Gant "A" #2)



PDC 11-23-62
Temp Log 11-23-62
Devon

P/A → 10/11/85
ENGINEERING CHART

SHEET NO. OF

FILE

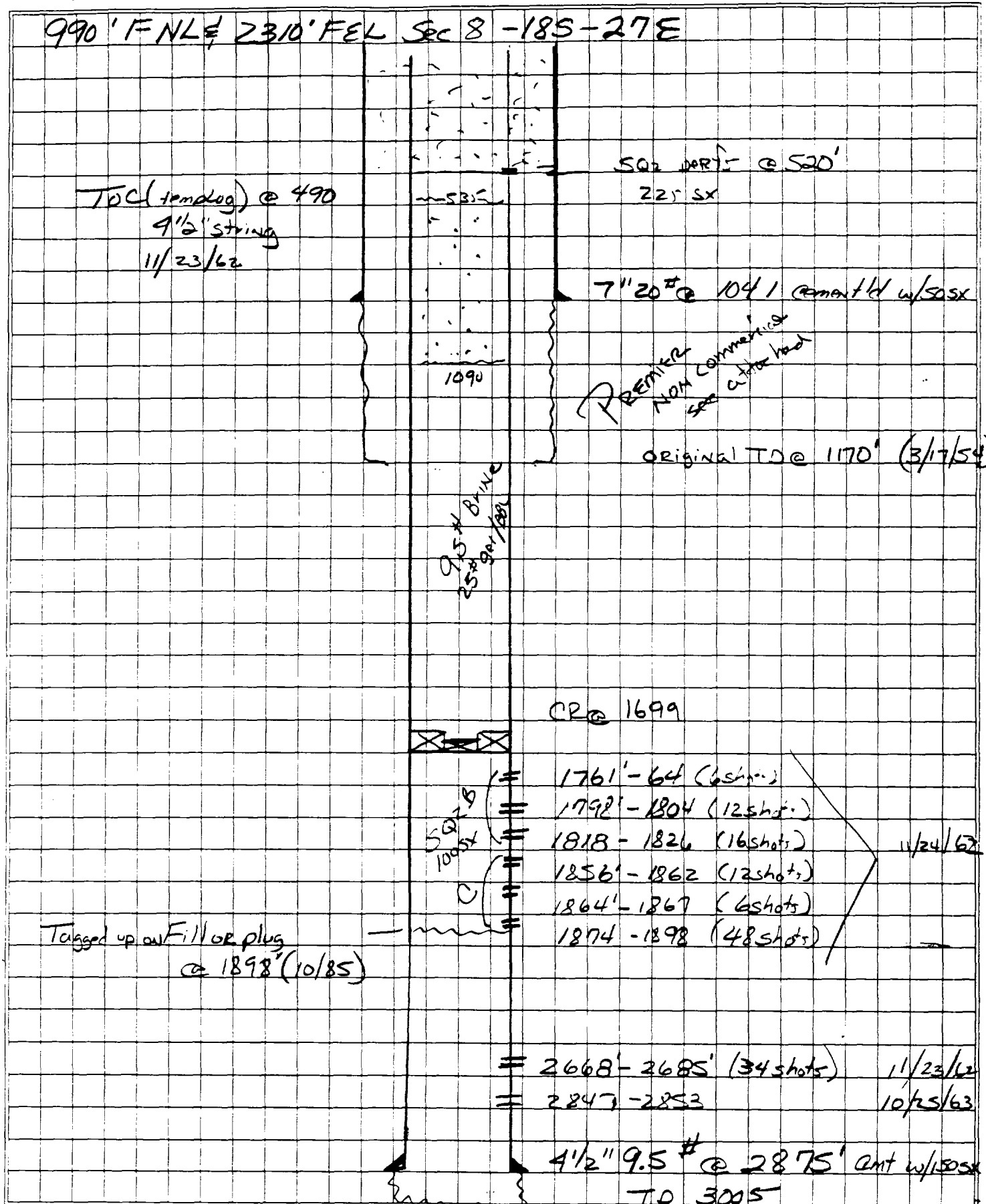
DATE 10/30/92

BY L.S. Powell

GR-N
open hole 1050' to 3005'

Originally Compton #5

SUBJECT: WRLU #21 (William Hudson Pitcher Federal #5)



P&H 10/12/85

SHEET NO

OF

Devon

ENGINEERING CHART

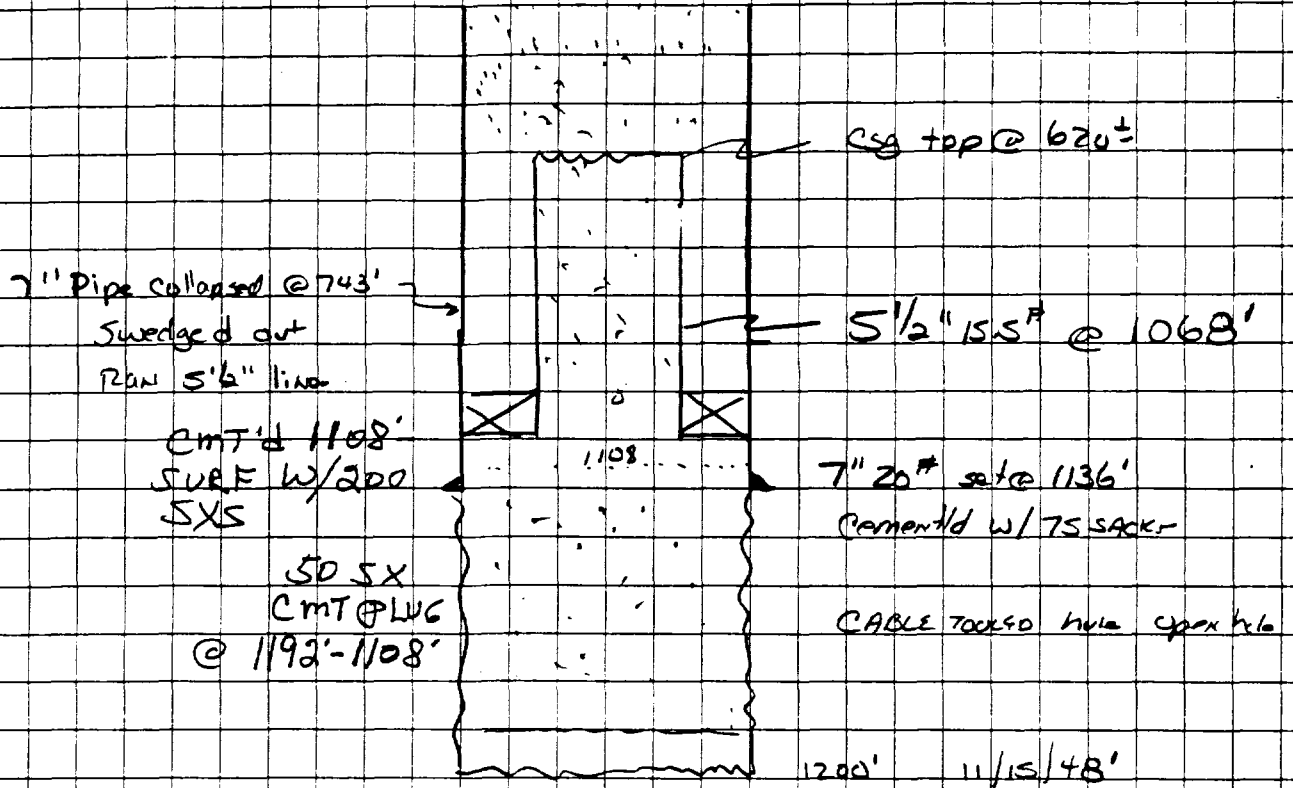
FILE

DATE 10/30/92

BY LSPowell

SUBJECT: WRLU #22 (Atlantic - Picher Federal #3
Originally Julian Simon - Compton #3)

986' FNL #1648' FEL Section 8-185-272



Test'd 452000 AFTER SHOT
w/ 20 QTS Glycerin
SHOT 1194' to 1200

P&A'd 10/15/85

SUBJECT: WRLU #25 (Julian E. Simon - Picker Fed #1)

121' FNL $\frac{1}{2}$ 1003' FEL Section 8 T18S-R27E

10 3/4" @ 600'

Row 7" w/ hook wall pkr 9/48
@ 1082'

85/8" 36# @ 1090'

TD 1239 3/32

TD 1242' 8/48

ATTACHMENT VI
Well Information and Downhole Schematics
Plugged and Abandoned Wells within Area of Review
Devon Energy Corporation
West Red Lake Waterflood Project

Well Name: Brainard #6

Location: Section 5 -18S-27E (660' FSL + 330' FEL)

Operator (at time of plugging): RD Compton

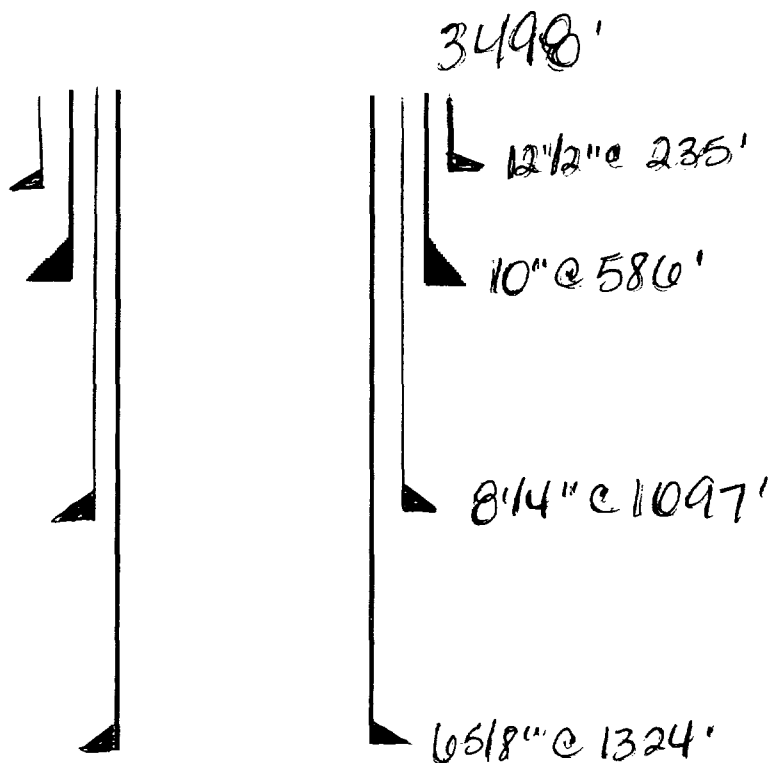
Date Plugged: 7/34

Information Obtained From: School of mines - Well log Div, PI Report

Comments:

Spud 1-23-34. well was drilled and abandoned.
NO plugging record available (see attached
reports)

Downhole Schematic:



30-015-00784

NEW MEXICO SCHOOL OF MINES

STATE BUREAU OF MINES AND MINERAL RESOURCES

SOCORRO, NEW MEXICO

NEW MEXICO WELL LOG DIVISION

COUNTY Eddy

FIELD

COMPANY R. D. Compton

LEASE Brainerd

No. 6 Well

LOCATION (1/4) E SE SE

SEC. 5 T. 18S. R. 27E

660 feet from south line and

330 feet from east line of Section

| CASING RECORD | | ELEVATION | INITIAL DAILY PRODUCTION: |
|---------------|--------|-----------|---------------------------|
| Diam., in. | Bottom | | |
| 12 1/2" | 235' | Open | |
| 10" | 586' | Open | |
| 8 1/2" | 1097' | Tbg. | |
| 6-5/8" | 1324' | Tbg. | |

FEET

bbls. Oil

cu. ft. Gas

bbls. Oil

cu. ft. Gas

COMMENCED

COMPLETED

ABANDONED

REMARKS: D & A

| FORMATION | BOTTOM, FEET | FORMATION | BOTTOM, FEET |
|-------------------------|--------------|-------------------------------|--------------|
| Red bed | 10 | Blue shale | 350 |
| Hard white gyp | 15 | Grey gyp | 360 |
| Red bed | 25 | Red bed | 365 |
| White gyp | 30 | Grey gyp | 375 |
| Red bed | 35 | Hard grey gyp | 380 |
| White gyp | 40 | White gyp, SO. 85-90' | 385 |
| Red bed | 45 | Grey gyp and grey sandy shale | 390 |
| White gyp | 50 | | |
| Red bed | 55 | White and grey gyp, soft | 395 |
| White gyp | 65 | White gyp | 405 |
| Red bed | 70 | Grey gyp | 410 |
| White gyp | 95 | Brown lime, gas 15-20' | 415 |
| Light grey gyp | 100 | Grey lime | 418 |
| Red bed | 105 | Grey gyp | 430 |
| Hard white gyp | 110 | Blue shale | 434 |
| Grey lime | 115 | White gyp, soft | 440 |
| Grey gyp | 125 | Red bed | 443 |
| Hard grey lime | 130 | Grey gyp | 458 |
| White gyp | 140 | Brown sandy lime | 465 |
| Red bed | 145 | Brown lime | 470 |
| White gyp | 157 | Grey gyp | 475 |
| Gyp and lime | 160 | Red bed and white gyp | 480 |
| White gyp, hard | 170 | Red bed, grey and white gyp | 485 |
| White gyp and red bed | 175 | Grey gyp | 498 |
| White gyp, wtr. 160-80' | 190 | Grey sandy lime | 500 |
| Gyp and red bed | 195 | Blue shale, S.O. | 502 |
| White and grey gyp | 200 | Grey and white gyp | 508 |
| Red bed | 203 | Red bed, wtr. | 526 |
| Grey gyp and wtr. | 210 | Grey and white gyp | 539 |
| Grey gyp | 220 | Grey and white gyp | |
| Gyp and sand, sul. wtr. | 225 | and red bed | 543 |
| Gyp mud | 230 | Red bed | 558 |
| Grey gyp | 252 | Red bed and blue shale | 562 |
| White and grey gyp | 259 | Gyp and blue shale | 565 |
| Grey gyp | 270 | Gyp, red bed and shale | 570 |
| White gyp, soft | 275 | Grey gyp | 578 |
| Brown gyp | 280 | Grey gyp and blue shale | 580 |
| Grey gyp | 295 | Grey gyp | 582 |
| Gyp and shale | 305 | Red bed | 584 |
| White and grey gyp | 327 | Grey and white gyp | 586 |
| Dark gyp | 332 | White gyp | 588 |
| Grey gyp | 340 | Red bed and blue shale | 590 |
| White gyp | 345 | White gyp | 610 |

STATE BUREAU OF MINES AND MINERAL RESOURCES

COUNTY Eddy

SOCORRO, NEW MEXICO

NEW MEXICO WELL LOG DIVISION

FIELD

COMPANY R. D. Compton

LEASE Brainerd

No. 6 Well

LOCATION (1/4)

SEC. 5 T. 18S R. 27E

feet from

line and

feet from

line of Section

CASING RECORD

Diam., in. Bottom

ELEVATION

FEET

INITIAL DAILY PRODUCTION:

Open

bbls. Oil

COMMENCED

Open

cu. ft. Gas

COMPLETED

Tbg.

bbls. Oil

ABANDONED

Tbg.

cu. ft. Gas

REMARKS:

| FORMATION | BOTTOM, FEET | FORMATION | BOTTOM, FEET |
|--------------------------------------|--------------|--------------------------------|--------------|
| Red bed | 612 | Gyp | 968 |
| Grey gyp | 627 | White sand and red sandy gyp | 974 |
| Red bed | 630 | Pink sandy gyp | 980 |
| Grey and pink gyp | 635 | Red sand | 987 |
| Red bed | 640 | Red sand and gyp | 995 |
| Brown sand, white gyp and blue shale | 647 | Red sand | 1060 |
| Red rock | 650 | Grey lime | 1075 |
| Brown sand and grey gyp | 665 | Brown shale | 1085 |
| White and dark grey lime | 672 | Pink shale | 1095 |
| Grey gyp and red bed | 680 | Brown lime | 1097 |
| Brown gyp | 685 | Grey lime | 1123 |
| Blue sandy gyp | 690 | Brown lime | 1125 |
| Blue sand, 1 BWPH 690-95' | 695 | Pink and grey lime | 1135 |
| Red bed | 700 | Grey lime | 1158 |
| Red sand | 708 | Pink and grey lime | 1169 |
| Blue sandy shale and red sand | 715 | Grey lime | 1181 |
| Red sand | 718 | Lime | 1187 |
| Pink gyp, inc. wtr. 720-25' | 725 | White sand and grey lime | 1193 |
| Pink gyp and red sand | 730 | White sand | 1199 |
| Grey, white, brown and pink gyp | 755 | Grey sandy lime | 1205 |
| Dark brown gyp and blue shale | 761 | Brown sandy lime | 1210 |
| Grey gyp, inc. wtr. | 767 | Brown lime | 1222 |
| Red bed and blue shale | 770 | Grey lime | 1234 |
| Grey and brown gyp | 775 | Sandy lime | 1251 |
| Brown gyp | 780 | Grey sandy lime, skip to 1333' | 1255 |
| Grey and pink gyp | 787 | White lime | 1333 |
| Grey lime | 792 | Grey lime | 1351 |
| Brown and grey gyp | 795 | Grey and pink lime | 1369 |
| Grey and pink gyp | 800 | White lime | 1378 |
| Brown gyp | 805 | Light brown lime | 1381 |
| Grey gyp | 810 | White lime, hard | 1388 |
| Grey and pink gyp | 815 | Light grey lime | 1393 |
| Grey gyp | 832 | White lime | 1402 |
| Grey and pink gyp | 839 | Grey lime | 1416 |
| Gyp and red bed | 845 | White lime, hard | 1418 |
| Gyp | 889 | Grey lime | 1482 |
| Gyp and red shale | 896 | Brown lime | 1485 |
| Gyp | 926 | Grey lime | 1490 |
| Blue sandy shale | 932 | Grey and brown lime | 1496 |
| Water sand | 937 | Grey lime | 1510 |
| White sand | 962 | White lime | 1512 |
| | | Grey lime | 1584 |

NEW MEXICO SCHOOL OF MINES
STATE BUREAU OF MINES AND MINERAL RESOURCES
SOCORRO, NEW MEXICO
NEW MEXICO WELL LOG DIVISION

(Page 3)
COUNTY Eddy
FIELD
COMPANY R. D. Compton
LEASE Brainerd
LOCATION (1/4)
SEC. 5 T. 18S R. 27E
No. 6 Well

CASING RECORD
Diam. in. Bottom
ELEVATION
FEET
INITIAL DAILY PRODUCTION
Open bbls. Oil
Open cu. ft. Gas
The bbls. Oil
The cu. ft. Gas

COMMENCED
COMPLETED
ABANDONED
REMARKS:
feet from line and
feet from line of Section

| FORMATION | BOTTOM, FEET | FORMATION | BOTTOM, FEET |
|-----------------------------|--------------|-----------|--------------|
| Dark lime | 1898 | | |
| Gray and brown lime, ss. | 1800 | | |
| Gray and brown lime | 1603 | | |
| Dark gray lime, rainbow oil | 1630 | | |
| Dark gray lime, hard | 1638 | | |
| Brown lime | 1668 | | |
| Brown lime, very hard | 1671 | | |
| Dark gray lime | 1708 | | |
| Brown lime | 1708 | | |
| Black lime | 1722 | | |
| Brown lime | 1727 | | |
| Dark lime | 1744 | | |
| Brown sandy lime | 1820 | | |
| Dark gray lime, Gas | | | |
| 1820-25' & M | 1885 | | |
| Soft brown lime | 1850 | | |
| Medium brown lime | 1851 | | |
| Soft brown lime | 1864 | | |
| Hard brown lime | 1889 | | |
| Dark gray lime, soft | 1919 | | |
| Soft gray lime, SQ-1889 | 1931 | | |
| TD | | | |
| Skip 1265-1333 | | | |
| Hard gray lime | 1265 | | |
| White sand | 1267 | | |
| Pink and grey lime | 1275 | | |
| Oil sand | 1280 | | |
| Brown lime | 1281 | | |
| White sandy lime | 1285 | | |
| Grey and white lime | 1330 | | |

petroROM Well Report
Copyright 1996 by Petroleum Information Corporation

----- General Information -----

| | | | |
|--------------------|----------------------|---------------------|------------|
| State | : NMEX | Final Status | : D&A-OG |
| County | : EDDY | Total Depth | : 1931 |
| Field | : ARTESIA | Spud Date YYYYMMDD: | 19340123 |
| Operator Name | : COMPTON R D | Comp Date YYYYMMDD: | 19340710 |
| Well Number | : 6 | Hole Direction | : VERTICAL |
| Lease Name | : BRAINARD-FEDERAL A | | |
| API Number | : 30015007840000 | | |
| Section or Equiv | : SEC 5 | Init Lahee Class | : D |
| Township | : S018 | Final Lahee Class: | D |
| Range | : E027 | Permit Number | : |
| Spot | : | Elevation | : 00000 () |
| Base Meridian | : NEW MEXICO (21) | | |
| Geologic Province: | PERMIAN BASIN | | |
| Formation at TD | : | | |
| Oldest Age Pen | : | | |

Producing Formation:

----- Additional Location Information -----

Footage Location : 660FSL 330FEL SEC LN
Location Narrative:

| | | | |
|-----------|-------------|-----------------|---|
| Latitude | : 32.77122 | Latitude (Bot) | : |
| Longitude | : 104.29229 | Longitude (Bot) | : |

Latitude & Longitude Source: USGS

----- Formation Tests -----

| Test | Type | Form | Top | Hydrostatic | | Flowing | | Shut In | | Open Cush | |
|------|------|------|------|-------------|-------------|-------------|-------------|-------------|------|-----------|--|
| | | | | Base | Init. Final | Init. Final | Init. Final | Init. Final | Time | Amt | |
| 0001 | DST | | 1278 | 1280 | | | | | | | |
| 0002 | DST | | 1820 | 1825 | | | | | | | |

| | | | | Pipe Recovery | | | | | | | |
|------|--------|-------|------|---------------|------|------|--|--------|------|------|--|
| Test | Amount | Unit | Desc | Amount | Unit | Desc | | Amount | Unit | Desc | |
| 0001 | | 1 BBL | O | 20 | BBL | ZW | | | | | |

| | | | | Material to Surface | | | | | | | |
|------|--------|------|------|---------------------|--------|------|------|------|--------|------|------|
| Test | Amount | Unit | Type | Time | Amount | Unit | Type | Time | Amount | Unit | Type |
| 0002 | 250 | MCFD | GAS | | | | | | | | |

----- Casing Data -----

| Size | Depth | Cement |
|--------|-------|--------|
| 12 1/2 | 235 | |
| 10 | 586 | |
| 8 1/4 | 1697 | |
| 6 5/8 | 1324 | |

----- Actual Bottom Hole From Surface Location -----

| Meas | True Vert | Closure | N/S | E/W | State | County |
|-------|-----------|------------|---------|-----|-------|--------|
| Depth | Depth | Ft Deg Min | Footage | | Code | Code |

----- Actual Bottom Hole Narrative -----

----- Drilling Narrative -----

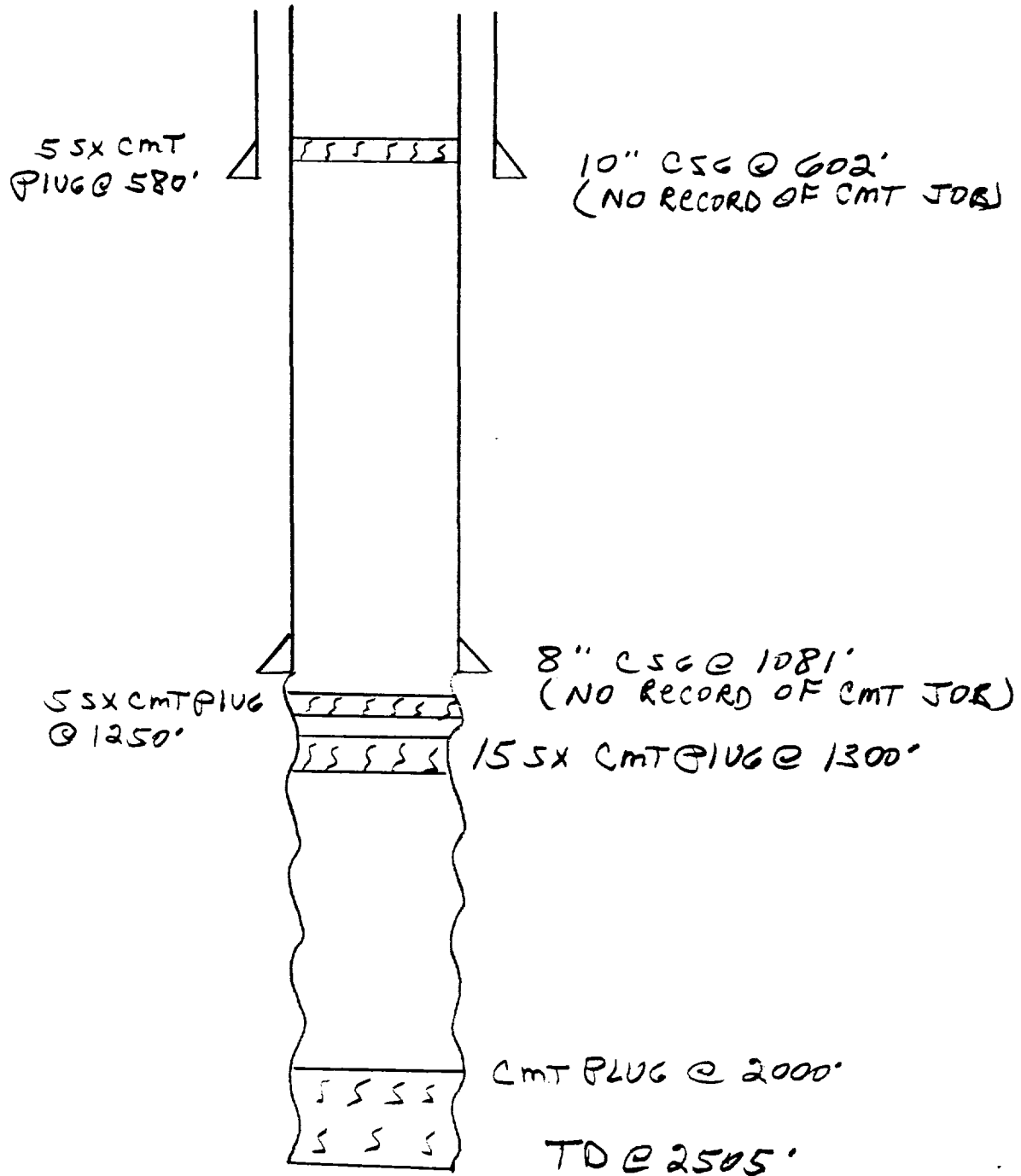
| Date | Remarks |
|------|---------|
|------|---------|

| 13 782 | 100 SHELLS | 5 SQUARE |
|--------|------------|----------|
| 42 301 | 100 SHELLS | 5 SQUARE |
| 42 482 | 100 SHELLS | 5 SQUARE |
| 42 304 | 100 SHELLS | 5 SQUARE |
| 42 302 | 100 SHELLS | 5 SQUARE |
| 42 303 | 100 SHELLS | 5 SQUARE |



National Brand

990' FSL & 660' FEL
Sec. 4-T185-R27E



DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

U.S. Land Office LAS CRUCES
LEASE
Serial Number 026874-A
Lease or Permit _____

SUNDRY NOTICES AND REPORTS ON WELLS

| | |
|---|--|
| NOTICE OF INTENTION TO DRILL..... | SUBSEQUENT RECORD OF SHOOTING..... |
| NOTICE OF INTENTION TO CHANGE PLANS..... | RECORD OF PERFORATING CASING..... |
| NOTICE OF DATE FOR TEST OF WATER SHUT-OFF..... | NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING..... |
| REPORT ON RESULT OF TEST OF WATER SHUT-OFF..... | NOTICE OF INTENTION TO ABANDON WELL..... |
| NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL..... | SUBSEQUENT REPORT OF ABANDONMENT..... |
| NOTICE OF INTENTION TO SHOOT..... | SUPPLEMENTARY WELL HISTORY..... |

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

_____ 12/8/333. _____, 192

Following is a notice of intention to do work on land under permit described as follows:
report of work done lease

New Mexico Mad "Compton"
(State or Territory) (County or Subdivision) (Field)
Well No. 4 37-5 136 27E N.E.P.M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

The well is located 990 ft. N of S line and 360 ft. E of I line of sec. 5
The elevation of the derrick floor above sea level is _____ ft.

DETAILS OF PLAN OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work.)

TD 2505

Well was cemented at 2000 Ft. then filled with mud to 1300 Ft. and cement bridge was made with 10 sacks of cement and did not hold, so was cemented again with 15 sacks of cement, this time was a good job. Then the 6-5/8 casing was raised to 1250 and a bridge was made at that point and again cemented with 5 sacks of cement, then casing was pulled from the well and hole filled with mud to 580 Ft. and five sacks of cement was placed at that depth, filled to surface with mud and a cement (Regulation) marker cemented in ground and allowed to raise 5 Ft. from the surface.

Inspected by T. G. Taylor on December 13, 1933.

Approved December 13, 1933.
(Date)
Supervisor Oil & Gas Operations
T. G. Taylor
Title By T. G. Taylor, Engineer
GEOLOGICAL SURVEY
Address Roswell, New Mexico.

Company R.T. Compton Oil Co.
By R.T. Compton
Title President
Address Fortale N.M.

NOTE.—Reports on this form to be submitted in triplicate to the Supervisor for approval.

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSerial Number 026874
Lease or Permit LEASE

SUNDRY NOTICES AND REPORTS ON WELLS

| | |
|---|--|
| NOTICE OF INTENTION TO DRILL..... | SUBSEQUENT RECORD OF SHOOTING..... |
| NOTICE OF INTENTION TO CHANGE PLANS..... | RECORD OF PERFORATING CASING..... |
| NOTICE OF DATE FOR TEST OF WATER SHUT-OFF..... | NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING..... |
| REPORT ON RESULT OF TEST OF WATER SHUT-OFF..... | NOTICE OF INTENTION TO ABANDON WELL..... |
| NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL..... <input checked="" type="checkbox"/> | SUBSEQUENT REPORT OF ABANDONMENT..... |
| NOTICE OF INTENTION TO SHOOT..... | SUPPLEMENTARY WELL HISTORY..... |

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

NOVEMBER 30, 1922Following is a notice of intention to do work on land under lease described as follows:
~~report of work done~~

NEW MEXICO EDDY COMPTON
(State or Territory) (County or Subdivision) (Field)

Well No. 4 SESE 5 18 S. 27 E. N.M.P.M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

The well is located 990 ft. N of S line and 660 ft. E of E line of sec. 5

The elevation of the derrick floor above sea level is _____ ft.

DETAILS OF PLAN OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work.)

Well was drilled to 1277' and bottom water was encountered.
Expect to drill 50' more hole then under the 6-5/8 casing,
to shut off water, then drill on to production at about 1800
to 2100'

Approved November 3, 1922 See conditions on reverse side.
J. W. Steele J. W. Steele
Title Deputy Supervisor
GEOLOGICAL SURVEY

Company R. D. Compton Oil Co. Inc.
By R. D. Compton
Title President.

Address Robwell, N. Mex.Address Artesia, New Mexico.

NOTE.—Reports on this form to be submitted in triplicate to the Supervisor for approval.

GOVERNMENT PRINTING OFFICE 6-7053

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSerial Number 026874-a
Lease or Permit LEASE

MAR 7 1932

SUNDRY NOTICES AND REPORTS ON WELLS

| | | | |
|---|-------------------------------------|--|--|
| NOTICE OF INTENTION TO DRILL..... | <input checked="" type="checkbox"/> | SUBSEQUENT RECORD OF SHOOTING..... | |
| NOTICE OF INTENTION TO CHANGE PLANS..... | | RECORD OF PERFORATING CASING..... | |
| NOTICE OF DATE FOR TEST OF WATER SHUT-OFF..... | | NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING..... | |
| REPORT ON RESULT OF TEST OF WATER SHUT-OFF..... | | NOTICE OF INTENTION TO ABANDON WELL..... | |
| NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL..... | | SUBSEQUENT REPORT OF ABANDONMENT..... | |
| NOTICE OF INTENTION TO SHOOT..... | | SUPPLEMENTARY WELL HISTORY..... | |

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

MARCH 7, 1932

Following is a notice of intention to do work on land under lease described as follows:
~~report of work done~~

NEW MEXICO EDDY "COMPTON" POOL.
(State or Territory) (County or Subdivision) (Field)
Well No. 4 5 18S. 27E. N.M.P.M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

The well is located 990 ft. N of S line and 660 ft. E of W line of sec. 5.

The elevation of the derrick floor above sea level is _____ ft.

DETAILS OF PLAN OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work.)

WELL WAS DRILLED FOR A WATER WELL TO BELOW THE 2nd. ARTESIAN
WATER SAND.
6-5/8 CASING SET AND MUDDIED AT DEEPth OF 1210' HOLE DRY.
WANT TO DRILL ON TO PRODUCTION AT ABOUT 1260'
IF NO COMMERCIAL PRODUCTION ATT THAT DEEPth, WILL GET NEXT
PAY AT 2000' TO 2290'.
LEASE WAS MAILED OUT FROM WASHINGTON FEBRUARY 26-1932 AND
RECEIVED BY ME ON MARCH 5th. 1932.

Approved March 7, 1932
J. H. Steele
Title Deputy Supervisor
GEOLOGICAL SURVEY

Company R. D. COMPTON OIL CO. INC.
By R. D. Compton
Title PRESIDENT

Address Roswell, New Mexico

Address _____

NOTE.—Reports on this form to be submitted in triplicate to the Supervisor for approval.

GEOLOGICAL SURVEY PRINTING OFFICE 6-7053

NEW MEXICO SCHOOL OF MINES
STATE BUREAU OF MINES AND MINERAL RESOURCES

SOCORRO, NEW MEXICO

NEW MEXICO WELL LOG DIVISION

Casing Record:

10" - 602
 8" - 1081
 5 5/8" - 1287

I. P. P. & A.
 32 Bbls. of fluid,
 40% water

New Mexico

Eddy County

R. D. Compton (Old Well Deepened.)

Brainard Well #4

Sec. 5 T.18S R.27E

990' S-L & 660' E-L,

Elevation: 3492 L-S

Commenced: 7-27-31

Completed: 12-4-33

| Formation | Bottom | Formation | Bottom |
|------------------------|--------|---------------------------------|-----------|
| Soil | 7 | Gypsum | 800 |
| White gravel | 12 | Gypsum and brown shale | 835 |
| Red beds | 45 | Gypsum | 870 |
| Blue shale | 50 | Gypsum and red beds | 900 |
| Red beds | 80 | Gray sand 1 bailer water per | |
| Gypsum | 130 | hours 900-23 | 923 |
| Red beds | 135 | Gray brown shale increase water | 930 |
| Brown shale | 150 | Gypsum and brown shale | 940 |
| Gypsum | 195 | Sandy blue shale | 951 |
| Shale little water | 200 | Sandy brown shale | 990 |
| Gypsum | 220 | Red sand | 1015 |
| Gypsum and blue shale | 300 | Limestone | 1020 |
| Gypsum | 325 | White shale (2 bailers artesian | |
| Blue shale | 340 | water) | 1034 |
| Brown shale and gypsum | 350 | Gray lime | 1060 |
| Brown shale | 375 | Brown lime | 1065 |
| Gypsum | 415 | Gray lime hard | 1070 |
| Gypsum | 425 | Gray lime | 1163 |
| Brown shale | 435 | Dry sand | 1174 |
| Gypsum | 450 | Sandy brown lime | 1182 |
| Gypsum and blue shale | 465 | Gray lime sandy | 1217 |
| Brown shale | 470 | Hard lime | 1220 |
| Gypsum and brown shale | 496 | Gray lime | 1260 |
| Gypsum | 505 | Hard gray lime | 1270 |
| Red beds | 515 | Dry sand | 1273 |
| Gypsum and red beds | 590 | Gray lime | 1274 |
| Hard gypsum | 610 | Oil sand | 1277 |
| Gypsum | 615 | Sandy lime water 77-78 | |
| Red beds | 635 | Plugged back 1277 with 75 | |
| Gypsum | 690 | pounds lead wool. | 1278 |
| Red sand | 705 | Blank -- no record | 1278-1300 |
| Gypsum and brown shale | 725 | White lime | 1300-1365 |
| Gray gypsum and shale | 755 | Gray lime | 1368 |
| Gray shale | 765 | Brown lime | 1372 |
| Gray shale | 773 | Gray lime | 1380 |
| Gypsum | 790 | White lime | 1435 |
| Brown shale | 793 | White lime shells | 1446 |

NEW MEXICO SCHOOL OF MINES
STATE BUREAU OF MINES AND MINERAL RESOURCES
SOCORRO, NEW MEXICO

NEW MEXICO WELL LOG DIVISION

- 2 -

R. D. Compton (Old Well Deepened.) / Brainard #4

| Formation | Bottom | Formation | Bottom |
|--------------------------------|--------|---------------------|------------|
| White lime | 1460 | Sharp brown lime | 2110 |
| Gray lime | 1480 | Gray lime | 2145 |
| Brown lime shells 1503-05 | 1505 | Brown lime, dark | 2197 |
| White lime | 1512 | Gray lime, dark | 2238 |
| White lime | 1527 | Brown lime, light | 2293 |
| Gray lime, 39 white, 54 gray | | Brown lime, dark | 2354 |
| lime, 62 gray and white lime, | | Brown and gray lime | 2362 |
| 72 gray lime, 94 brown lime, | | Brown lime | 2398 |
| little gas, 1594-99 | 1537 | Gray lime, dark | 2464 |
| Gray lime | 1599 | Brown lime, dark | 2498 |
| Brown lime show of oil 1605 | 1618 | Gray lime | T. D. 2505 |
| Dark brown lime | 1623 | | |
| Brown lime | 1635 | | |
| Hard brown lime | 1638 | | |
| Brown and gray lime | 1650 | | |
| Brown lime | 1700 | | |
| Dark brown lime short shells | | | |
| 1710 | 1715 | | |
| Brown lime | 1738 | | |
| Sandy brown lime | 1752 | | |
| Brown lime | 1803 | | |
| Brown sandy lime | 1885 | | |
| Gray lime | 1892 | | |
| Brown lime | 1908 | | |
| Brown lime, little sand, show | | | |
| oil 1908 | 1912 | | |
| Brown lime increase oil | | | |
| 1912-21 | 1932 | | |
| Gray lime | 1948 | | |
| Brown lime | 1951 | | |
| Gray lime | 1973 | | |
| Light gray lime | 1981 | | |
| Gray lime, 2 bailer salt water | | | |
| per hour | 2011 | | |
| Yellow lime | 2030 | | |
| Brown lime | 2035 | | |
| Brown gray lime | 2042 | | |
| Brown lime | 2054 | | |
| Gray lime | 2079 | | |
| Brown lime | 2064 | | |
| Light brown lime | 2076 | | |
| Brown lime | 2090 | | |
| Brown sandy lime | 2091 | | |
| Gray sandy lime | 2101 | | |
| Brown lime | 2104 | | |

petroROM Well Report
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----- General Information -----

| | | | |
|--------------------|-------------------|---------------------|------------|
| State | : NMEX | Final Status | : D&AW |
| County | : EDDY | Total Depth | : 2500 |
| Field | : | Spud Date YYYYMMDD: | 19330215 |
| Operator Name | : COMPTON R D | Comp Date YYYYMMDD: | 19330629 |
| Well Number | : 4 | Hole Direction | : VERTICAL |
| Lease Name | : BRAINARD | | |
| API Number | : 30015007830001 | | |
| Section or Equiv | : SEC 5 | Init Lahee Class | : D D |
| Township | : S018 | Final Lahee Class: | D |
| Range | : E027 | Permit Number | : |
| Spot | : | Elevation | : 00000 () |
| Base Meridian | : NEW MEXICO (21) | | |
| Geologic Province: | PERMIAN BASIN | | |
| Formation at TD | : | | |
| Oldest Age Pen | : | | |

Producing Formation:

----- Additional Location Information -----

Footage Location : 990FSL 660FEL SEC LN
Location Narrative:

| | | | |
|-----------|-------------|-----------------|---|
| Latitude | : 32.77213 | Latitude (Bot) | : |
| Longitude | : 104.29338 | Longitude (Bot) | : |

Latitude & Longitude Source: USGS

----- Formation Tests -----

| Test Type Form | Top | Hydrostatic | | Flowing | | Shut In | | Open Cush | |
|----------------|------|-------------|-------------|-------------|-------------|-------------|------|-----------|--|
| | | Base | Init. Final | Init. Final | Init. Final | Init. Final | Time | Amt | |
| 0001 DST | 2006 | 2011 | | | | | | 1H | |

| Test Amount | Unit | Desc | Pipe Recovery | | |
|-------------|------|------|---------------|------|------|
| | | | Amount | Unit | Desc |
| 0001 | | W | | | |

----- Actual Bottom Hole From Surface Location -----

| | | | | | | |
|-------|-----------|------------|---------|-----|-------|--------|
| Meas | True Vert | Closure | N/S | E/W | State | County |
| Depth | Depth | Ft Deg Min | Footage | | Code | Code |

----- Actual Bottom Hole Narrative -----

----- Drilling Narrative -----

| | |
|------|---------|
| Date | Remarks |
|------|---------|

ATTACHMENT VI
Well Information and Downhole Schematics
Plugged and Abandoned Wells within Area of Review
Devon Energy Corporation
West Red Lake Waterflood Project

Well Name: Brimack #1

Location: Section E -18S-27E (35' FSL + 1050' FE2)

Operator (at time of plugging): ALC HICKINSON

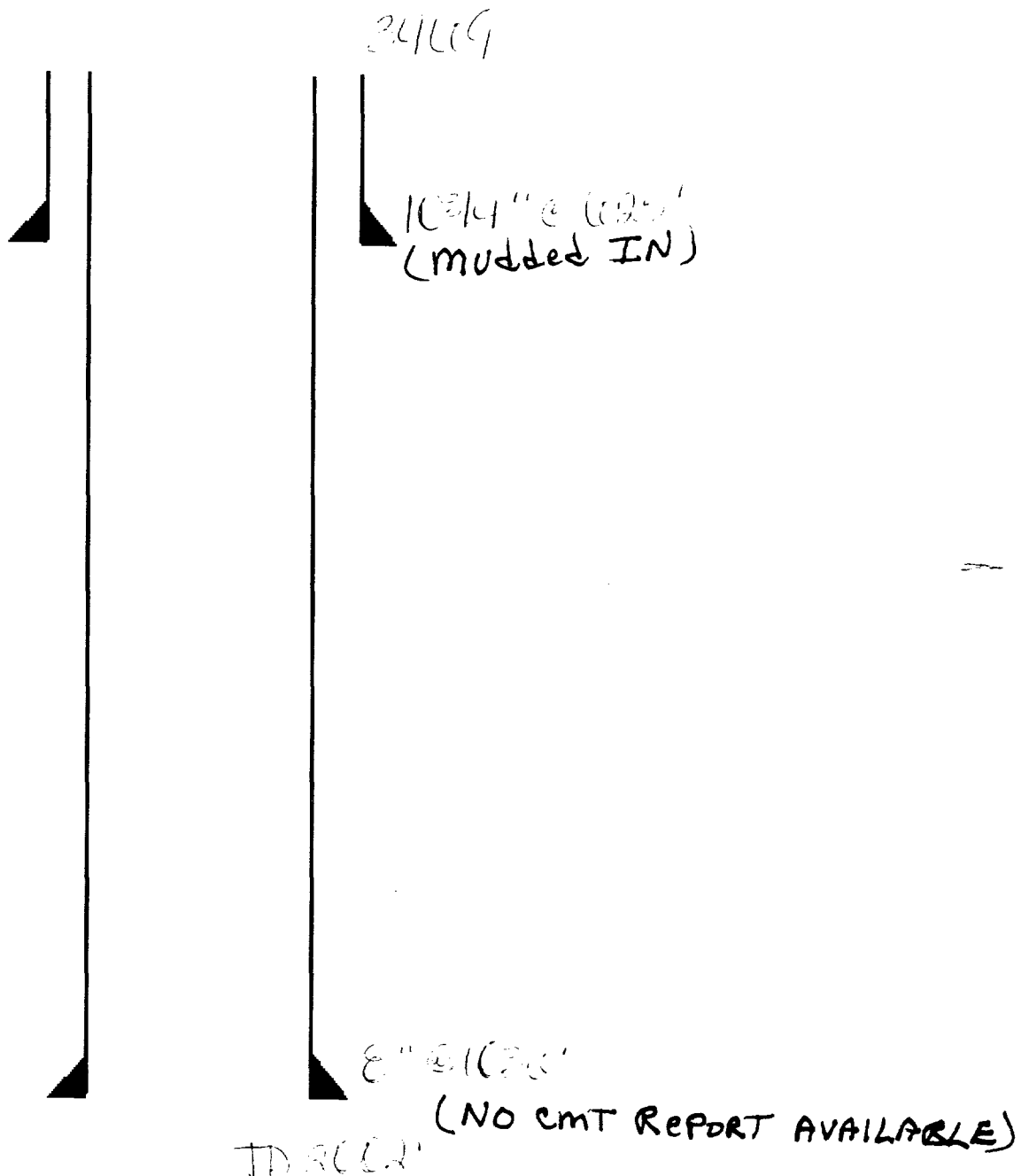
Date Plugged: 6/3/12

Information Obtained From: SECT REPORT (HMM), PI CD RCM

Comments:

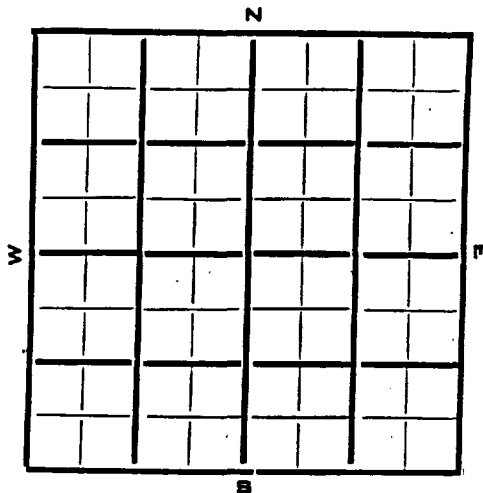
SPILL 9-27-32. (BS) SET 1025' AND 1030'
NO CMT VOLUMES GIVEN. NO PLUGGING INFO
AVAILABLE SEE ATTACHMENT. (DILLED + PLANNED)
(HMM) NO P+A REPORT AVAILABLE

Downhole Schematic:



30-015-00777

SCOUT REPORT NEW MEXICO OIL CONSERVATION COMMISSION



Company A. W. Addison *Adkinson*
 Farm Name Brainard Well No. 1
 Land Classification Government
 Sec. 5 Twp. 18 Range 27 County Eddy
 Feet from Line: N. 330 S. 1650 E. W
 Elevation 3469 Method Cable
 Contractor Scout
 Spudded 9-27-32 Completed Initial Production
 Bond Status

| Amount Casing and Cementing Record | | | |
|---------------------------------------|------|--------|---------------|
| SIZE | FEET | INCHES | BOX CEMENT |
| 10 3/4 | 625 | | Mud |
| 8 | 1036 | | Set |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

ACID RECORD

Gals.

Top Pay

TD

TA

TX

BX

TRS

TY

TBL

TWL

SHOOTING RECORD

No. of Quarts

From

To

No. of Quarts

From

To

S/

S/

S/

S/

S/

S/

Tubing Record

Packer

| DATE | | DATE | |
|---------|-------------------|--------|---------------------------|
| 7-19-38 | Location | 11-21 | T.D. 979 RB |
| 7-26 | " | | S.D. Orders |
| 8-2 | " | 11-29 | S D Orders 979 RB |
| 8-9 | " | 12-13 | Ø 1042 L |
| 8-16 | " | | Ø 1238 S |
| 8-23 | " | | S/o 1238 |
| 8-30 | " | 12-20 | Tstg pmps. S D 1242 |
| 9-7 | " | 12-28 | 1250 L tstg - pmpd 5 BO & |
| 9-12 | " | | IB Shut wtr may deepen |
| 9-19 | | | S D O |
| 9-26 | | 1-4-39 | |
| 10-4 | | 1-10 | |
| 10-11 | Ø 240 Cal | 1-17 | |
| 10-18 | No report | 1-24 | Ø 1254 L |
| 10-25 | T.D. 625 RB | 1-31 | Ø 1365 L |
| | S D Orders | 2-7 | T.D. 1370 L |
| 11-1 | | | S D Orders |
| 11-8 | | 2-14 | Ø 1366 A & L |
| 11-15 | T.D. 922 R & G | 2-21 | Ø 1400 L |
| | 8" Ø 906 | 2-28 | Ø 1438 A & L |
| | Prep to Underream | | |

LOG

[illegible]

petroROM Well Report
 Copyright 1996 by Petroleum Information Corporation
 ----- General Information -----

| | |
|----------------------------------|------------------------------|
| State : NMEX | Final Status : D&A-OG |
| County : EDDY | Total Depth : 2002 |
| Field : ARTESIA | Spud Date YYYYMMDD: 19380927 |
| Operator Name : ADKISSON A W | Comp Date YYYYMMDD: 19390621 |
| Well Number : 1 | Hole Direction : VERTICAL |
| Lease Name : BRAINARD | |
| API Number : 30015007770000 | |
| Section or Equiv : SEC 5 | Init Lahee Class : D |
| Township : S018 | Final Lahee Class: D |
| Range : E027 | Permit Number : |
| Spot : | Elevation : 00000 () |
| Base Meridian : NEW MEXICO (21) | |
| Geologic Province: PERMIAN BASIN | |
| Formation at TD : | |
| Oldest Age Pen : | |

Producing Formation:

----- Additional Location Information -----

Footage Location : 330FSL 1650FEL SEC LN
 Location Narrative:

| | |
|-----------------------|-------------------|
| Latitude : 32.77034 | Latitude (Bot) : |
| Longitude : 104.29657 | Longitude (Bot) : |

Latitude & Longitude Source: USGS

----- Production Tests -----

| Test Form | Top | Base | Oil Rate | Gas Rate | Wtr Rate | FTP | BHP | Ck | M | BHT |
|-----------|------|------|----------|----------|----------|-----|-----|----|---|-----|
| 0001 | 1242 | 1242 | 4 BO | | 5 BW | | | | P | |
| 0002 | 1249 | 1250 | 5 BO | | 1 BW | | | | P | |
| 0003 | 2002 | 2002 | | | 1 UW | | | | B | |

----- Formation Tests -----

| Test Type Form | Top | Base | Hydrostatic | | Flowing | | Shut In | | Open Time | Cush Amt |
|----------------|------|------|-------------|-------|---------|-------|---------|-------|-----------|----------|
| | | | Init. | Final | Init. | Final | Init. | Final | | |
| 0001 DST | 1239 | 1240 | | | | | | | | |
| 0002 DST | 1248 | 1248 | | | | | | | 24H | |
| 0003 DST | 1248 | 1248 | | | | | | | | |

| Test | Amount | Unit | Desc | Pipe Recovery | | |
|------|--------|------|------|---------------|------|------|
| | | | | Amount | Unit | Desc |
| 0001 | 1 | BBL | ZW | | | |
| 0002 | 1 | BBL | ZW | | | |
| 0003 | 1 | BBL | ZW | | | |

----- Casing Data -----

| | | |
|--------|-------|--------|
| Size | Depth | Cement |
| 10 3/4 | 625 | |
| 8 1/4 | 1036 | |

----- Actual Bottom Hole From Surface Location -----

| | | | | | | |
|-------|-----------|------------|---------|-----|-------|--------|
| Meas | True Vert | Closure | N/S | E/W | State | County |
| Depth | Depth | Ft Deg Min | Footage | | Code | Code |

----- Actual Bottom Hole Narrative -----

----- Drilling Narrative -----

| | |
|------|---------|
| Date | Remarks |
|------|---------|

ATTACHMENT VI
Well Information and Downhole Schematics
Plugged and Abandoned Wells within Area of Review
Devon Energy Corporation
West Red Lake Waterflood Project

Well Name: Choque AMX Federal #1

Location: Section 5 -18S-27E (660' FSL + 2310' FEL)

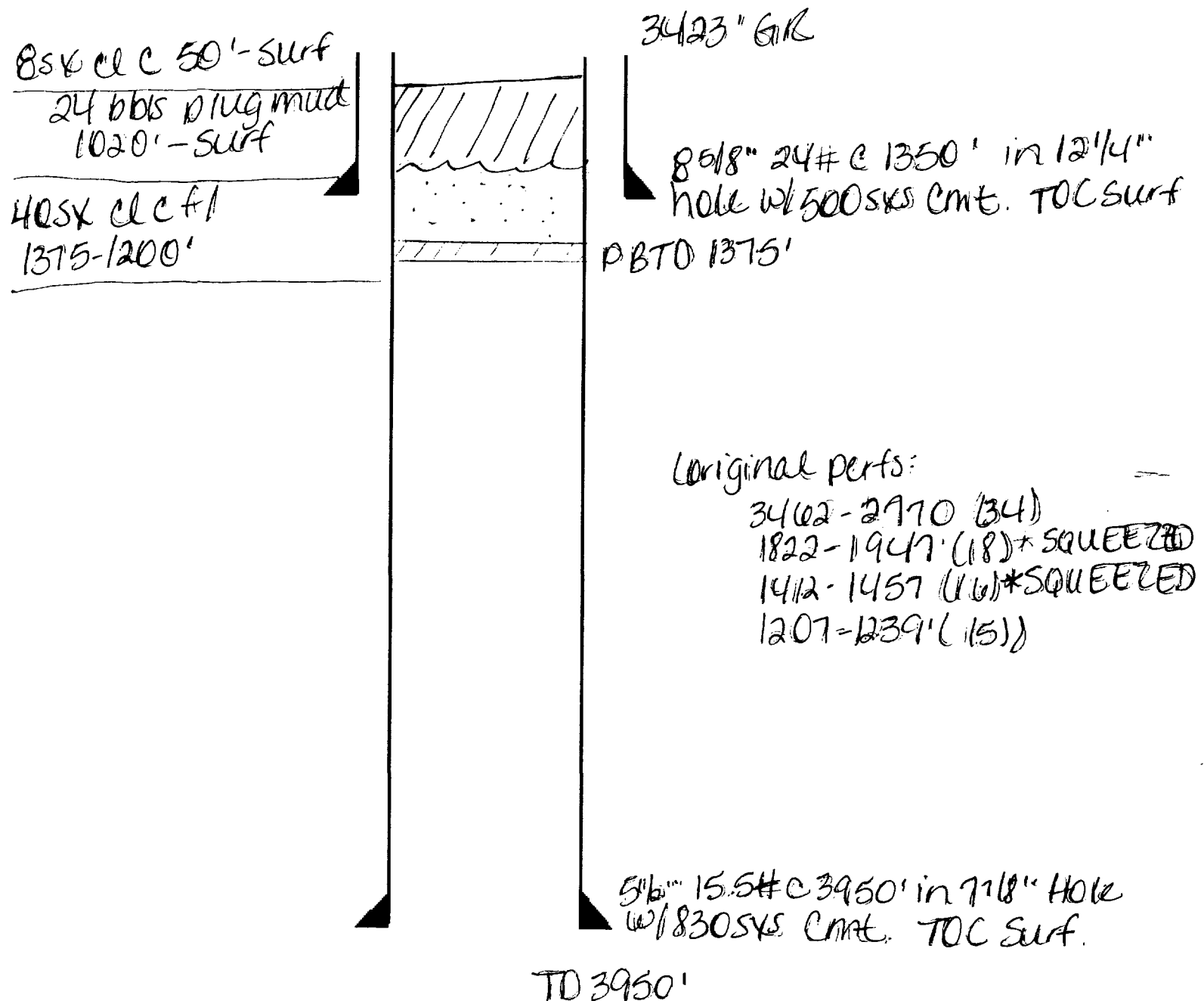
Operator (at time of plugging): Yates Petroleum Corp

Date Plugged: 8/15/95

Information Obtained From: BLM Sundry + Comp Report

Comments: See attached Completion Report and Plugging
Sundry

Downhole Schematic:



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Budget Bureau No. 1004-0135
Expires: March 31, 1993

NM OIL CO.
Drawer DD
Artesia, NM 88210

SUNDRY NOTICES AND REPORTS ON WELLS

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

Lease Designation and Serial No.

NM-71762

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Choque AMX Federal #1

9. API Well No.

30-015-27521

10. Field and Pool, or Exploratory Area

Undesignated Premier

11. County or Parish, State

Eddy County, NM

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

YATES PETROLEUM CORPORATION

(505) 748-1471

3. Address and Telephone No.

105 South 4th St., Artesia, NM 88210

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

660' FSL & 2310' FEL of Section 5-T18S-R27E

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

TYPE OF SUBMISSION

☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

☒ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other

☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

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

13. 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.)

8-16-95 - Moved in and rigged up pulling unit. POOH with rods and pump. Nippled up BOP. POOH with tubing, seating nipple, perforated sub and mud anchor. TIH with tubing and tagged retainer at 1375'. Mixed and pumped 40 sacks Class C 2% CaCl2 from 1375-1000'. POOH with tubing. WOC 3-1/2 hours. TIH with tubing and tagged top of cement at 1020'. Spot 24 barrels plug mud from 1020' to surface. POOH with tubing to 50'. Mixed and pumped 8 sacks Class C cement from 50' to surface. POOH with tubing. Nippled down BOP. Cleaned location. Installed regulation abandonment marker. PLUGGED AND ABANDONED - FINAL REPORT. Plugging completed August 15, 1995. NOTE: Notified Jim Amos w/BLM - Carlsbad of commencing plugging operations.

Approved as to plugging of the well bore
Liability under bond is retained until
surface restoration is completed.

RECEIVED
AUG 21 8 44 AM '95
CARLSBAD AREA

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

Signed Rusty B. LARA

Title Production Clerk

Date August 16, 1995

(This space for Federal or State office use)

JOE G. LARA

Approved by
Conditions of approval, if any:

Title PETROLEUM ENGINEER

Date 9/18/95

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.

*See instruction on Reverse Side

(November 1983)
(formerly 9-330)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

Budget Bureau No. 1004-0137
Expires August 31, 1985

Artesia

NM EACH DESIGNATION AND SERIAL NO.

NM-71762

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

| | | | | | |
|--|--|---|--|---|---|
| 1a. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> | | 1b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESRV. <input type="checkbox"/> Other <input type="checkbox"/> | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME | |
| 2. NAME OF OPERATOR YATES PETROLEUM CORPORATION (505) 748-1471 | | | | 7. UNIT AGREEMENT NAME | |
| 3. ADDRESS OF OPERATOR 105 South 4th St., Artesia, NM 88210 | | | | 8. FARM OR LEASE NAME Choque AMX Federal | |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 660' FSL & 2310' FEL (Unit O, SWSE) At top prod. interval reported below At total depth | | | | 9. WELL NO. 1 | |
| 14. PERMIT NO. API 30-015-27521 | | | | DATE ISSUED | |
| 15. DATE SPUDDED RH 7-30-93 RT 8-10-93 | | | | 16. DATE T.D. REACHED 8-23-93 | |
| 17. DATE COMPL. (Ready to prod.) 9-1-94 | | | | 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 3423' GR | |
| 20. TOTAL DEPTH, MD & TVD 3950' | | 21. PLUG BACK T.D., MD & TVD 1375' | | 22. IF MULTIPLE COMPL., HOW MANY* | |
| 23. INTERVALS DRILLED BY 40-3950' | | ROTARY TOOLS | | CABLE TOOLS | |
| 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 1207-1239' Premier | | | | 25. WAS DIRECTIONAL SURVEY MADE No | |
| 26. TYPE ELECTRIC AND OTHER LOGS RUN CNL/LDC & DLL | | | | 27. WAS WELL CORED No | |
| 28. CASING RECORD (Report all strings set in well) | | | | | |
| CASING SIZE | | WEIGHT, LB./FT. | | DEPTH SET (MD) | |
| 20" | | | | 40' | |
| 8-5/8" | | 24# | | 1350' | |
| 5-1/2" | | 15.5# | | 3950' | |
| HOLE SIZE | | CEMENTING RECORD | | AMOUNT PULLED | |
| 26" | | Cement to surface | | | |
| 12-1/4" | | 500 sx - circulate | | | |
| 7-7/8" | | 830 sx - circulate | | | |
| 29. LINER RECORD | | | | | |
| SIZE | | TOP (MD) | | BOTTOM (MD) | |
| | | | | | |
| SACKS CEMENT* | | SCREEN (MD) | | | |
| | | | | | |
| 30. TUBING RECORD | | | | | |
| SIZE | | DEPTH SET (MD) | | PACKER SET (MD) | |
| 2-7/8" | | 1177' | | | |
| 31. PERFORATION RECORD (Interval, size and number) | | | | | |
| 3462-3510' w/9 .42" holes; 2903-2916' w/16 .42" holes; 2744-2770' w/9 .42" holes; 1822-1947' w/18 .42" holes (squeezed); 1412-1457' w/16 .42" holes (squeezed) and 1207-1239' w/15 .42" holes | | | | | |
| 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. | | | | | |
| DEPTH INTERVAL (MD) | | AMOUNT AND KIND OF MATERIAL USED | | | |
| SEE ATTACHED SHEET | | | | | |
| 33. PRODUCTION | | | | | |
| DATE FIRST PRODUCTION 9-1-94 | | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping | | | WELL STATUS (Producing or shut-in) Shut in |
| DATE OF TEST 9-5-94 | | HOURS TESTED 24 | | CHOKER SIZE | |
| FLOW. TUBING PRESS. 10 | | CASING PRESSURE 10 | | CALCULATED 24-HOUR RATE 12 | |
| OIL—BBL. 12 | | GAS—MCF. 209 | | WATER—BBL. 209 | |
| OIL GRAVITY-API (CORR.) | | | | | |
| 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) | | | | | |
| 35. LIST OF ATTACHMENTS Deviation survey and logs | | | | | |
| 36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records | | | | | |
| SIGNED Rusty Klein | | TITLE Production Clerk | | DATE 5-19-95 | |

*(See Instructions and Spaces for Additional Data 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.

YATES PETROLEUM CORPORATION
Choque AMX Federal #1
Section 5-T18S-R27E
Eddy County, New Mexico

#32: ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.:

| <u>DEPTH INTERVAL</u> | <u>TREATMENT</u> |
|-------------------------|--|
| 3462-3510' | Acidized with 2000 gallons 20% NEFE HCL acid and ball sealers |
| 2903-2916' | Acidized with 2000 gallons 20% NEFE HCL acid and ball sealers |
| 2744-2770' | Acidized with 2000 gallons 20% NEFE HCL acid and ball sealers |
| 1822-1947' | Acidized with 4000 gallons 20% NEFE acid and ball sealers |
| 1412-1457' | Acidized with 3000 gallons 15% NEFE acid and ball sealers |
| 1207-1239' | Acidized with 2000 gallons 7-1/2% NEFE HCL acid and ball sealers |
| 1412-1457' & 1822-1947' | pumped 300 sacks Class C 3% CaCl ₂ into perforations - on vacuum. Pumped 200 sacks Class C with 7 sacks of 3% CaCl ₂ injected on fly - squeezed. |

ATTACHMENT VI
Well Information and Downhole Schematics
Plugged and Abandoned Wells within Area of Review
Devon Energy Corporation
West Red Lake Waterflood Project

Well Name: Hondo "B" Federal Gas Com #1

Location: Section B -18S-27E

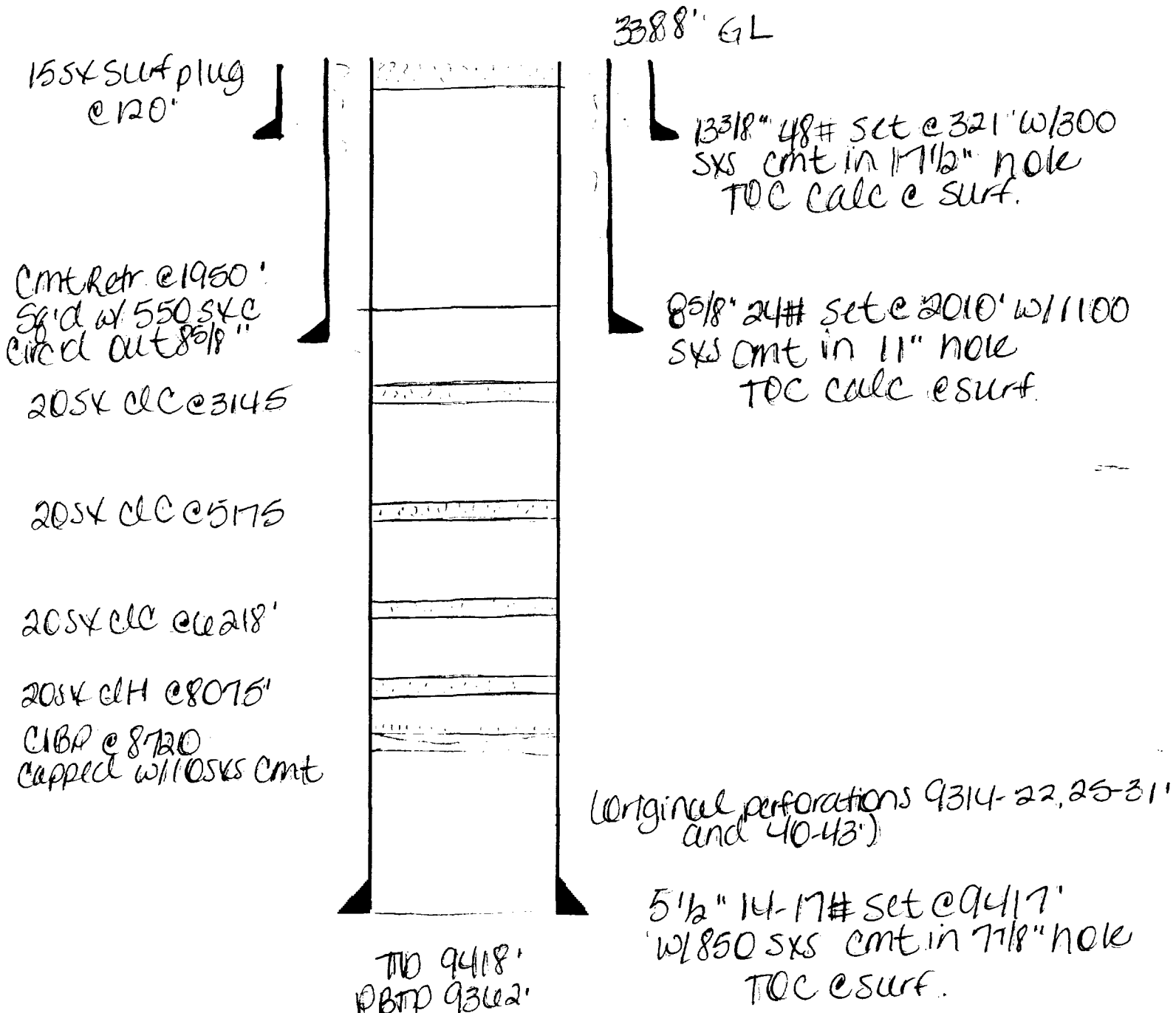
Operator (at time of plugging): Ameco Production Co.

Date Plugged: 12/4/85

Information Obtained From: BLM Sundry Notice

Comments:

Set CIBPC 8720' and cap w/110 SX CLH CMT.
 Set 20 SX CLH plug @ 8075', 20 SX CLC @ 6218',
 20 SX CLC @ 5175', 20 SX CLC @ 3145'. Found hole
 in CSG @ 2885.90. Set CMT retr @ 1950' - sg'd w/550
 SX CLC. Circ'd 30 SX OUT 8 5/8" CSG. Set 15 SX SURF
 plug 120' - SURF.
 Downhole Schematic:



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

BLM Form 1004-0135
Expires August 31, 1985

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 <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> PxA | 7. UNIT AGREEMENT NAME Com-SW-959 |
| 2. NAME OF OPERATOR AMOCO PRODUCTION COMPANY | 8. FARM OR LEASE NAME Hondo B Federal Gas Com |
| 3. ADDRESS OF OPERATOR P.O. BOX 68 HOBBS, NEW MEXICO 88240 | 9. WELL NO. 1 |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 2310' FSL x 660' FWL (UNIT L, NW1/4, SW1/4) | 10. FIELD AND POOL, OR WILDCAT Red Lake - Penn |
| 14. PERMIT NO. 3001521114 | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 8-18-27 |
| 15. ELEVATIONS (Show whether DF, RT, GR, etc.) 3405' RDB | 12. COUNTY OR PARISH Eddy |
| | 13. STATE NM |

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

NOTICE OF INTENTION TO:

| | |
|--|---|
| TEST WATER SHUT-OFF <input type="checkbox"/> | PULL OR ALTER CASING <input type="checkbox"/> |
| FRACTURE TREAT <input type="checkbox"/> | MULTIPLE COMPLETION <input type="checkbox"/> |
| SHOOT OR ACIDIZE <input type="checkbox"/> | ABANDON* <input type="checkbox"/> |
| REPAIR WELL <input type="checkbox"/> | CHANGE PLANS <input type="checkbox"/> |
| (Other) <input type="checkbox"/> | |

SUBSEQUENT REPORT OF:

| | |
|--|--|
| WATER SHUT-OFF <input type="checkbox"/> | REPAIRING WELL <input type="checkbox"/> |
| FRACTURE TREATMENT <input type="checkbox"/> | ALTERING CASING <input type="checkbox"/> |
| SHOOTING OR ACIDIZING <input type="checkbox"/> | ABANDONMENT* <input checked="" type="checkbox"/> |
| (Other) <input type="checkbox"/> | |

(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.)

1. MISU and POH with packer and tubing.
2. Run CIBP and set at 8720'. Capped with 105X class H cement and displaced w/brine gel.
3. Pulled up to 8075' and pumped 205X class H cement. Displaced w/brine gel.
4. Pulled up to 6218' and pumped 205X class C cement. Displaced w/brine gel.
5. Pulled up to 5175' and pumped 205X class C cement. Displaced w/brine gel.
6. Pulled up to 3145' and pumped 205X class C cement. Displaced w/brine gel.
7. Found hole in casing at 2885-90'. Set cement retainer at 1950'. Spaced w/550SX class C cement and circulated 305X out 8 7/8" casing.
8. Pulled up to 120' and pumped 155X class C cement surface plug.
9. Installed dry hole Marker and MOSU 12/4/85.

0 + 5 BLM, 1 - JRB, 1 - FJN, 1 - CMH

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

SIGNED Charles M. Herring

TITLE Administrative Analyst (SG)

DATE 12/5/85

(This space for Federal or State office use)

APPROVED BY U.R. Bradley

TITLE Regional Resource Analyst

DATE 6.29.87

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

| | | | | | | | |
|--|--|---|--|---|------------------------------------|---|-------------|
| 1a. TYPE OF WELL: | | OIL WELL <input type="checkbox"/> | GAS WELL <input checked="" type="checkbox"/> | DRY <input type="checkbox"/> | Other _____ | | |
| b. TYPE OF COMPLETION: | | NEW WELL <input checked="" type="checkbox"/> | WORK OVER <input type="checkbox"/> | DEEP-EN <input type="checkbox"/> | PLUG BACK <input type="checkbox"/> | DIFF. RESVR. <input type="checkbox"/> | Other _____ |
| 2. NAME OF OPERATOR AMOCO PRODUCTION COMPANY | | | | | | 3. ADDRESS OF OPERATOR BOX 367, ANDREWS, TEXAS 79714 | |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 2310 FSL x 660 FWL Sec. 8 (Unit 1, NW 1/4 SW 1/4) At top prod. interval reported below At total depth | | | | | | 5. LEASE DESIGNATION AND SERIAL NO. LC-070678-A | |
| 6. IF INDIAN, ALLOTTEE OR TRIBE NAME | | | | | | 7. UNIT AGREEMENT NAME | |
| 8. FARM OR LEASE NAME HONDO B FEDERAL GAS COM | | | | | | 9. WELL NO. | |
| 10. FIELD AND POOL, OR WILDCAT RED LAKE - PENN | | | | | | 11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA 8-18-27 NMPM | |
| 12. COUNTY OR PARISH EDDY | | 13. STATE NM | | 14. PERMIT NO. | | DATE ISSUED | |
| 15. DATE SPUDDED 11-8-74 | | 16. DATE T.D. REACHED 12-10-74 | | 17. DATE COMPL. (Ready to prod.) 1-15-75 | | 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 3405 RDB 3388 GCL | |
| 19. ELEV. CASINGHEAD | | 20. TOTAL DEPTH, MD & TVD 9418' | | 21. PLUG. BACK T.D., MD & TVD 9362' | | 22. IF MULTIPLE COMPL., HOW MANY* | |
| 23. INTERVALS DRILLED BY | | 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 9314-22, 25-31, 40-43 - MORROW | | 25. WAS DIRECTIONAL SURVEY MADE No | | 26. TYPE ELECTRIC AND OTHER LOGS RUN Comp. Neutron, Form. Density, Dual LL | |
| 27. WAS WELL TORED No | | 28. CASING RECORD (Report all strings set in well) | | | | | |
| CASING SIZE | | WEIGHT, LB./FT. | | DEPTH SET (MD) | | HOLE SIZE | |
| 13 3/8" | | 48# | | 321 | | 17 1/2" | |
| 8 5/8" | | 24# | | 2010 | | 11" | |
| 5 1/2" | | 14-17# | | 9417 | | 7 7/8" | |
| CEMENTING RECORD | | AMOUNT PULLED | | | | | |
| 300 Cu | | | | | | | |
| 1100 " | | | | | | | |
| 850 " | | | | | | | |
| 29. LINER RECORD | | 30. TUBING RECORD | | | | | |
| SIZE | | TOP (MD) | | BOTTOM (MD) | | SACKS CEMENT* | |
| 2 3/8 | | 9255' | | 9255' | | | |
| 31. PERFORATION RECORD (Interval, size and number) 9314-22, 25-31, 40-43 w/2JSPF | | 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED NONE | | | | | |
| 33. PRODUCTION | | DATE FIRST PRODUCTION 1-3-75 | | | | | |
| PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) FLW | | WELL STATUS (Producing or shut-in) Shut In | | | | | |
| DATE OF TEST 1/15/75 | | HOURS TESTED 24 | | CHOKE SIZE 32/64 | | PROD'N. FOR TEST PERIOD 7.9 MMCF | |
| FLOW. TUBING PRESS. 1175-1200 | | CASING PRESSURE Pkr | | CALCULATED 24-HOUR RATE — | | OIL—BBL. — | |
| 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) To be sold | | TEST WITNESSED BY | | | | | |
| 35. LIST OF ATTACHMENTS None | | 36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records | | | | | |
| SIGNED Roy R. Graham | | ADMINISTRATIVE ASSISTANT DATE JAN 17 1975 | | | | | |

* (See Instructions and Spaces for Additional Data on Reverse Side)

ATTACHMENT VI
Well Information and Downhole Schematics
Plugged and Abandoned Wells within Area of Review
Devon Energy Corporation
West Red Lake Waterflood Project

Well Name: Vandergriff #4

Location: Section 8 -18S-27E (11650' FNL and 2310' FWL)

Operator (at time of plugging): J.E. Simon

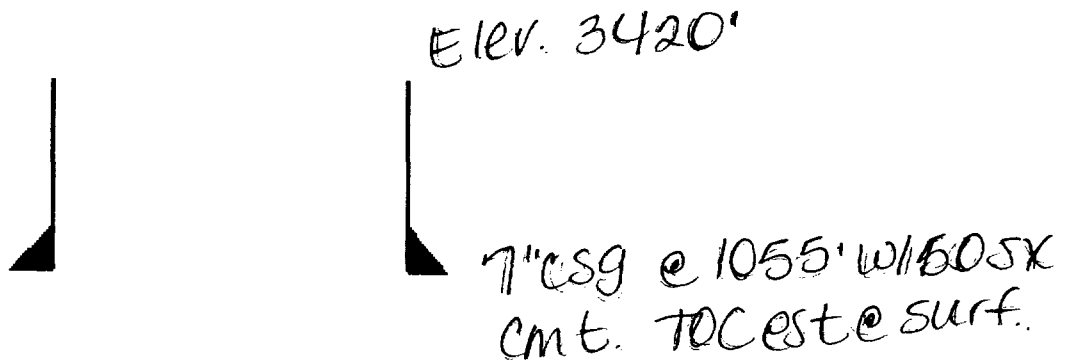
Date Plugged: 5/49

Information Obtained From: Scout Report, PI Well Report

Comments:

Spud 4-9-49, was drilled and abandoned.
Completed 5-11-49. No additional casing
info given. No plugging info available.

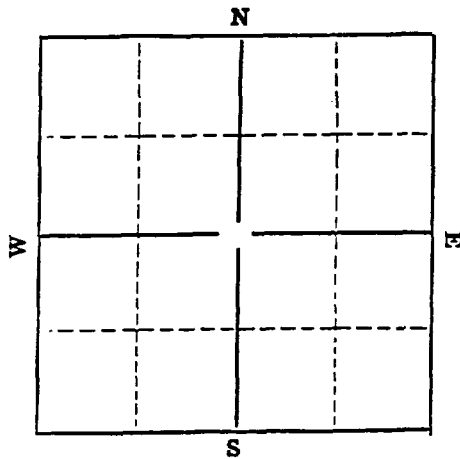
Downhole Schematic:



30-015-00831

SCOUT REPORT

NEW MEXICO OIL CONSERVATION COMMISSION



AMOUNT CASING & CEMENTING RECORD

| Size | Feet | Sax Cement |
|------|------|---------------|
| 7" | 1055 | 50 |
| | | |
| | | |
| | | |

Company J. E. Simog Pool Red Lake Dist. 8
 Farm Name Vandergriff Well No. 4
 Sec. 8 Twp. 18 Range 27 County Eddy
 Feet from Line: 1650 N. S. E. 2310 W.
 Elevation 3420 Method
 Contractor Land G. N.
 Spudded 4/9/49 Completed 5/1/49

ACID RECORD Gals.

| | | |
|---------|----|--------|
| | TA | TSA |
| | TX | TGI |
| | BX | TTu |
| | TY | TPenn |
| | TQ | TEll |
| | TG | TGr. W |
| | | TGr. |
| Top Pay | | |

TUBING RECORD

SHOOTING RECORD

PACKER

| | | |
|--------------------------|------------------|----------------|
| No. of Quarts <u>100</u> | From <u>1180</u> | To <u>1200</u> |
| No. of Quarts | From | To |
| <u>S/ 0 1182-87 S/</u> | | <u>S/</u> |
| <u>S/</u> | <u>S/</u> | <u>S/</u> |
| <u>S/</u> | <u>S/</u> | <u>S/</u> |

| Date | | Date | |
|--------|---------------------------|------|-------------------|
| APR 6 | <u>Full</u> | | <u>Built 1200</u> |
| APR 13 | <u>Q. 200' 70</u> | | |
| APR 18 | <u>Q. 610 li</u> | | |
| APR 27 | <u>Q. 1041 li Pumping</u> | | |
| MAR 4 | <u>Q. 1155 - li</u> | | |
| MAY 11 | <u>Q. 1215 li</u> | | |
| | <u>Q. 1200</u> | | |
| MAY 18 | <u>Q. 1215 li</u> | | |
| | <u>Q. 1200</u> | | |
| | <u>Q. 1200</u> | | |

petroROM Well Report
Copyright 1996 by Petroleum Information Corporation

----- General Information -----

| | | | |
|--------------------|-------------------|---------------------|-------------|
| State | : NMEX | Final Status | : D&A-O |
| County | : EDDY | Total Depth | : 1215 |
| Field | : RED LAKE | Spud Date YYYYMMDD: | 19490409 |
| Operator Name | : SIMON JULIAN E | Comp Date YYYYMMDD: | 19490511 |
| Well Number | : 4 | Hole Direction | : VERTICAL |
| Lease Name | : VANDAGRIFF | | |
| API Number | : 30015008310000 | | |
| Section or Equiv | : SEC 8 | Init Lahee Class | : D |
| Township | : S018 | Final Lahee Class: | D |
| Range | : E027 | Permit Number | : |
| Spot | : | Elevation | : 3420 (ES) |
| Base Meridian | : NEW MEXICO (21) | | |
| Geologic Province: | PERMIAN BASIN | | |
| Formation at TD | : | | |
| Oldest Age Pen | : | | |

Producing Formation:

----- Additional Location Information -----

Footage Location : 1650FNL 2310FWL SEC LN
Location Narrative:

| | | | |
|-----------|-------------|-----------------|---|
| Latitude | : 32.76492 | Latitude (Bot) | : |
| Longitude | : 104.30091 | Longitude (Bot) | : |

Latitude & Longitude Source: USGS

----- Production Tests -----

| Test Form | Top | Base | Oil Rate | Gas Rate | Wtr Rate | FTP | BHP | Ck | M | BHT |
|-----------|------|------|----------|----------|----------|-----|-----|----|---|-----|
| 0001 | 1056 | 1200 | 63 GO | | | | | | | B |

PDT Treatment

| Test | Top | Base | Volume Meas | Amount T/P | PSI | Inj Type | Nbr | Agent | Add |
|------|------|------|-------------|------------|-----|----------|-----|-------|-----|
| 0001 | 1180 | 1201 | 100 QTS | | | XPLO | | | |

----- Casing Data -----

| | | |
|------|-------|--------|
| Size | Depth | Cement |
| 7 | 1056 | 50 |

----- Actual Bottom Hole From Surface Location -----

| | | | | | | |
|-------|-----------|------------|---------|-----|-------|--------|
| Meas | True Vert | Closure | N/S | E/W | State | County |
| Depth | Depth | Ft Deg Min | Footage | | Code | Code |

----- Actual Bottom Hole Narrative -----

----- Drilling Narrative -----

| Date | Remarks |
|------|---------|
|------|---------|

ATTACHMENT VI
Well Information and Downhole Schematics
Plugged and Abandoned Wells within Area of Review
Devon Energy Corporation
West Red Lake Waterflood Project

Well Name: Empire ABO Unit "N" #6

Location: Section 9-18S-27E (1980' FNL + 1980' FWL)

Operator (at time of plugging): ARCO Oil + Gas Company

Date Plugged: 10/2/92

Information Obtained From: BLM Sundry Notice

Comments:

located top hole @ 2177' + btm hole @ 3682'. Press
test csg f/surf - 2176' + f/b 3683' - CIBP @ 5415' ck.

P.A. as follows:

Downhole Schematic:

CEMENT PLUGS

10SXS 0-150'

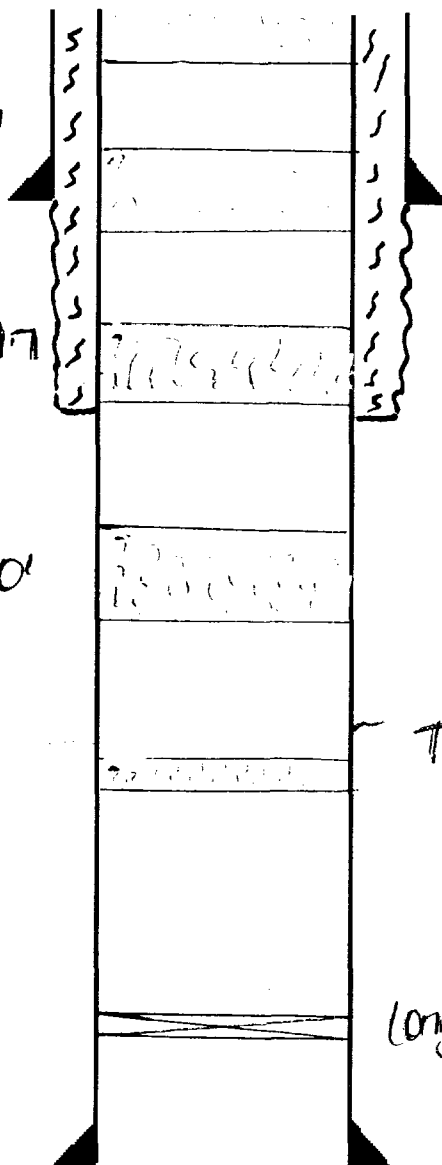
10SXS 1400-1550'

590SXS 2111-2177'
CIRC'D TO SURF.

20SXS 2470-2720'

5SXS 5342-5415'

CIBP @ 5415'



8 5/8" 24# csg @ 1464' w/700
SXS cmt TOC @ surf.

TOC 3720'

original perforations 5586-5608'

4 1/2" 9.5# @ 5687' w/350SXS cmt

TID 5703'

TOC @ 3720'

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135-
Expires September 10, 1990

RECEIVED

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT--" for such proposals

AREA **SUBMIT IN TRIPLICATE**

1. TYPE OF WELL ☒ OIL WELL ☐ GAS WELL ☐ OTHER

2. NAME OF OPERATOR
ARCO Oil & Gas Company

3. ADDRESS AND TELEPHONE NO.
P.O. Box 1610, Midland, TX 79702 (915) 688-5672

4. LOCATION OF WELL (Footage, Sec., T., R., M., or Survey Description)
1980 FNL & 1980 FWL (Unit Letter F)
9-18S-27E

5. LEASE DESIGNATION AND SERIAL NO.

NM - 031186

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. IF UNIT OR CA, AGREEMENT DESIGNATION

8. WELL NAME AND NO.

Empire Abo Unit "N" #6

9. API WELL NO.

30-015-00836

10. FIELD AND POOL, OR EXPLORATORY AREA

Empire Abo

11. COUNTY OR PARISH, STATE

Eddy

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

TYPE OF SUBMISSION

- ☐ NOTICE OF INTENT
☒ SUBSEQUENT REPORT
☐ FINAL ABANDONMENT NOTICE

TYPE OF ACTION

- ☒ ABANDONMENT
☐ RECOMPLETION
☐ PLUGGING BACK
☐ CASING REPAIR
☐ ALTERING CASING
☐ Other
☐ CHANGE OF PLANS
☐ NEW CONSTRUCTION
☐ NON-ROUTINE FRACTURING
☐ WATER SHUT-OFF
☐ CONVERSION TO INJECTION

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

13. 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.)

10-1-92 RUPU. Locate top hole at 2177 & bttm hole at 3682. Press test csg f/surf - 2176 & f/3683 - CIBP at 5415. o.k. P&A'd as follows:

| Plug | Interval | Cmt | Remarks |
|------|-----------|--------|--|
| 1 | 5342-5415 | 5 sx | Spot on top of CIBP at 5415'. Displace hole w 10# MLF (25# salt gel/bbl). |
| 2 | 3735-3880 | 10 sx | Spot |
| 3 | 2470-2720 | 20 sx | Spot |
| 4 | 2111-2177 | 590 sx | Holes at 2177'. CR at 2146'. Circ cmt out 8-5/8 x 4-1/2. Dmp 35' cmt on top of CR. |
| 5 | 1400-1550 | 10 sx | Spot |
| 6 | 0-150 | 10 sx | Spot. Cut off well head & installed Dry hole marker. |

P & A'd 10-2-92

Approved by _____
Liberty _____

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

SIGNED

Ken W. Gosnell

TITLE

Regulatory Coordinator

DATE

12-21-92

(This space for Federal or State office use)

APPROVED BY

David H. Glass

TITLE

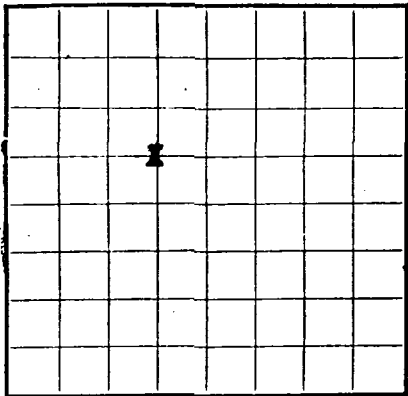
DATE

1-6-93

CONDITIONS FOR APPROVAL, IF ANY:

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.

U. S. LAND OFFICE NM 031186
Co. Loe.
SERIAL NUMBER
LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

RECEIVED
APR 12 1960
U. S. GEOLOGICAL SURVEY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
APR 12 1960
D. D. C.
ARTESIA, OFFICE

LOG OF OIL OR GAS WELL

Company HUMBLE OIL & REFINING COMPANY Address Box 2180, Houston 1, Texas
Box 2347, Hobbs, New Mexico
Lessor or Tract Abso Chalk Bluff Draw Unit Field Empire Abso State New Mexico
Well No. 2 Sec. 9 T-10-S-R-47-E Meridian NMPH County Eddy
Location 1980 ft. N of N Line and 1980 ft. E of W Line of Section 9 Elevation 3561'
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.
Signed R. R. Alworth R. R. Alworth
Date April 7, 1960 Title Dist. Supt.

The summary on this page is for the condition of the well at above date.

Commenced drilling February 2, 19 60 Finished drilling February 25, 19 60

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 5245 to 5638 No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

| Size casing | Weight per foot | Threads per inch | Make | Amount | Kind of shoe | Cut and pulled from | Perforated | | Purpose |
|--------------|-----------------|------------------|-------------|-------------|--------------|---------------------|-------------|-------------|-------------------|
| | | | | | | | From— | To— | |
| <u>8 5/8</u> | <u>24.7</u> | <u>8rd</u> | <u>Unk.</u> | <u>1454</u> | <u>HWCO</u> | <u>5586</u> | <u>5586</u> | <u>5608</u> | <u>Surface</u> |
| <u>4 1/2</u> | <u>9.7</u> | <u>8rd</u> | <u>Unk.</u> | <u>5687</u> | <u>HWCO</u> | | | | <u>Oil String</u> |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|--------------|----------------|------------------------|--------------|-------------|--------------------|
| | | | | | |
| <u>8 5/8</u> | <u>1480.99</u> | <u>700</u> | <u>Pmpd.</u> | <u>-</u> | <u>-</u> |
| <u>4 1/2</u> | <u>5703.00</u> | <u>350</u> | <u>Pmpd.</u> | <u>-</u> | <u>-</u> |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size _____

SHOOTING RECORD

| Size | Shell used | Explosive used | Quantity | Date | Depth shot | Depth cleaned out |
|------|------------|----------------|----------|------|------------|-------------------|
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

TOOLS USED

Rotary tools were used from 0 feet to 5703 TD feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

February 28, 19 60 Put to producing February 28, 19 60
The production for the first 24 hours was 126 barrels of fluid of which 100 % was oil; _____ %
emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. 42.8
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

FOLD MARK

FOLD | MARK

| Size casing | Weight per foot | Threads per inch | Make | Amount | Kind of shoe | Cut and pulled from | Perforated | | Purpose |
|----------------|-----------------|------------------|--------------|--------------|------------------|--|-----------------|------|---------------------|
| | | | | | | | From— | To— | |
| 8-7/8 9-5/8 | 200 260 | 6-4 6-4 | Duck Duk. | 1450 5687 | HARD HARD | 20' 11" depth by 100 ft. per quarter mile along the center | 3100 LB 5586 | 5600 | Surface Oil Str. |
| | | | | | MELONA OF OUT OK | END HERE | | | |

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|-------------|-------------|--------------------|
| 8 5/8 | 1480.99 | 700 | Pmpd. | - | - |
| 4 1/2 | 5703.00 | 350 | Pmpd. | - | - |
| | | | | | |
| | | | | | |
| | | | | | |

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size _____

| Size | Shell used | Explosive used | Quantity | Date | Depth shot | Depth cleaned out |
|-------------|-------------------|-----------------------|-----------------|-------------|-------------------|--------------------------|
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Rotary tools were used from 0 feet to 5703 TB feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

| | |
|---|---|
| February 28, 1960 | Put to producing February 28, 1960 |
| The production for the first 24 hours was 126 | barrels of fluid of which 100% was oil; % |
| emulsion; % water; and % sediment. | Gravity, °Bé. 42.8 |
| If gas well, cu. ft. per 24 hours | Gallons gasoline per 1,000 cu. ft. of gas |
| Rock pressure, lbs. per sq. in. | |

| | | | |
|------------------|---------|---------------|---------|
| R. O. Blackledge | Driller | H. L. Bentler | Driller |
| Adam Locke | Driller | | Driller |

| FROM— | TO— | TOTAL FEET | FORMATION |
|-------|---------|------------|------------------------|
| 0 | 110 | 110 | Red bed |
| 110 | 466 | 356 | Red bed & anhydrite |
| 466 | 1484 | 1018 | Anhydrite & gyp |
| 1484 | 3523 | 2039 | Lime |
| 3523 | 3570 | 47 | Lime & sand |
| 3570 | 5703 TD | 2133 | Lime |
| | | | <u>FORMATION TOPS:</u> |
| | | | San Andres 1520 |
| | | | Yaso 2900 |
| | | | Abo 5245' |

[OVER]
ROBINATION RECORD—CONTINUED

10-13094-2

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

(Other Instructions
verse side)

Expires August 31, 1985
5. LEASE DESIGNATION AND SERIAL NO.

LC-054205

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS 8210

(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 <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> | | 30-015-01203 | |
| 2. NAME OF OPERATOR ARCO Oil and Gas Company Division of Atlantic Richfield Company ✓ | | RECEIVED BY | |
| 3. ADDRESS OF OPERATOR P. O. Box 1710, Hobbs, New Mexico 88240 | | MAY 12 1986 | |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 990' FNL & 2310' FEL (Unit B) | | O. C. D. ARTESIA, OFFICE | |
| 14. PERMIT NO | | 15. ELEVATIONS (Show whether DF, RT, GR, etc.) 3400' DF | |
| 16. COUNTY OR PARISH Eddy | | 13. STATE N.M. | |

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

NOTICE OF INTENTION TO:

| | |
|--|---|
| TEST WATER SHUT-OFF <input type="checkbox"/> | PULL OR ALTER CASING <input type="checkbox"/> |
| FRACTURE TREAT <input type="checkbox"/> | MULTIPLE COMPLETION <input type="checkbox"/> |
| SHOOT OR ACIDIZE <input type="checkbox"/> | ABANDON* <input type="checkbox"/> |
| REPAIR WELL <input type="checkbox"/> | CHANGE PLANS <input type="checkbox"/> |
| (Other) <input type="checkbox"/> | |

SUBSEQUENT REPORT OF:

| | |
|--|--|
| WATER SHUT-OFF <input type="checkbox"/> | REPAIRING WELL <input type="checkbox"/> |
| FRACTURE TREATMENT <input type="checkbox"/> | ALTERING CASING <input type="checkbox"/> |
| SHOOTING OR ACIDIZING <input type="checkbox"/> | ABANDONMENT* <input checked="" type="checkbox"/> |
| (Other) <input type="checkbox"/> | |

(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.) *

1. MIRU. NU BOP,
2. TIH w/bit to 1895'. Established pump-in rate 2 BPM @ 1000# w/pkr set @ 1699'. POH.
3. RIH w/cmt retr, set @ 1699'. Cmdt perms 1761-1898' w/100 sx Cl H Neat. Dumped 60' cmt on top of retr.
4. Displ csg w/9.5# brine w/25#/bbl gel. PU to 1090'.
5. Spotted 50 sx cmt 1090-535', WOC. Tagged TOC @ 529'.
6. Perf'd 4 holes @ 520'. Cmdt w/225 sx Cl H cmt from 520' to surface.
7. Installed regulation dry hole marker. Clean & level location.
Well P&A eff: 10/15/85. Final Report.

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

SIGNED [Signature] TITLE Dist Drlg. Supv. DATE 10/22/85

(This space for Federal or State office use)

Orig: Spd. C. G. G. G. G.

APPROVED BY [Signature] TITLE [Signature] DATE 5-7-86

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

A 10x10 grid with an 'X' in the 5th column and 4th row.

U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 054205
LEASE OR PERMIT TO PROSPECT Lease

ARTESIAN
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
AUG 30 1954

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company WILLIAM HUDSON, OPERATOR Address Artesia Hotel Bldg., Artesia, N.M.
Lessor or Tract Compton Field EMPIRE State NEW MEXICO
Well No. 25 Sec. 8 T. 18-S R. 27-E Meridian N.M.P.M. County EDDY
Location 990 ft. N of N Line and 2310 ft. W of E Line of Section 8 Elevation 3400
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed William J. Kolesca

Date 8/19/54

Title Operator

The summary on this page is for the condition of the well at above date.

Commenced drilling 2/1/54, 1954 Finished drilling 3/17/54, 1954

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from ~~XXX~~ 1155 to ~~XXX~~ 1160 No. 4, from _____ to _____

No. 2, from _____ to _____ No. 5, from _____ to _____

No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____ to _____

No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

[illegible]

MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|----------------------|-------------|--------------------|
| 7" | 1041' | 50 Sacks | Denton Cementing Co. | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

Adapters—Material _____ Size _____

SHOOTING RECORD

| Size | Shell used | Explosive used | Quantity | Date | Depth shot | Depth cleaned out |
|-------|------------|----------------|----------|------|------------|-------------------|
| None. | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

TOOLS USED

Rotary tools were used from 0 feet to 1040 feet, and from _____ feet to _____ feet.

Cable tools were used from 1040 feet to 1170 feet, and from _____ feet to _____ feet.

DATES

....., 19..... Put to producing 19.....

The production for the first 24 hours was _____ barrels of fluid of which _____ % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity. °Bé. _____

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

FOLD | MARK

CHARTER RECORD

[illegible]

MUDDING AND CEMENTING RECORD

[illegible]

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

| | |
|-------------------------|------------|
| Adapters—Material | Size |
|-------------------------|------------|

SHOOTING RECORD

| Size | Shell used | Explosive used | Quantity | Date | Depth shot | Depth cleaned out |
|-------|------------|----------------|----------|------|------------|-------------------|
| None. | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

TOOLS USED

Rotary tools were used from 0 feet to 1040 feet, and from _____ feet to _____ feet.

Cable tools were used from 1040 feet to 1170 feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing _____, 19____

The production for the first 24 hours was barrels of fluid of which % was oil; % emulsion; % water; and % sediment. Gravity, °Bé.

If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

| EMPLOYEES | |
|--------------|---------|
| R. A. Thomas | Driller |
| John O'Brien | Driller |

_____, Driller _____, Driller

FORMATION RECORD

| FROM— | TO— | TOTAL FEET | FORMATION |
|-------|------|------------|-----------------------------|
| 1041 | 1050 | 9 | Grey Lime |
| 1050 | 1070 | 20 | Red Sand & Gyp |
| 1070 | 1090 | 20 | Lime & Gyp |
| 1090 | 1120 | 30 | Grey Lime |
| 1120 | 1140 | 20 | Grey Lime & White Lime |
| 1140 | 1150 | 10 | Hard Grey Lime |
| 1150 | 1155 | 5 | Sandy Lime |
| 1155 | 1160 | 5 | Show of oil - sand & shale. |
| 1160 | 1165 | 5 | Broken sand & shale |
| 1165 | 1170 | 5 | Lime - Total Depth. |

This well is temporarily abandoned.

After setting 24 hours, well made 1/3 bailer oil; two bailers sulphur water.

| FROM | TO | LOUVE FEEL | REMARKS |
|------|----|------------|---------|
| | | | |

LC 070678(a)

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.)

| | | |
|--|--|---|
| 1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> | 2. NAME OF OPERATOR ARCO Oil and Gas Company Division of Atlantic Richfield Company | 7. UNIT AGREEMENT NAME |
| 3. ADDRESS OF OPERATOR P. O. Box 1710, Hobbs, New Mexico 88240 | 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1930' FNL & 1650' FWL (UNIT F) | 8. FARM OR LEASE NAME West Red Lake Unit |
| 14. PERMIT NO. | 15. ELEVATIONS (Show whether DF, RT, GR, etc.) 3376' DF | 9. WELL NO. 20 |
| | | 10. FIELD AND POOL OR WILDCAT Red Lake Grbg SA |
| | | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 8-18S-27E |
| | | 12. COUNTY OR PARISH Eddy |
| | | 13. STATE N.M. |

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) ☐

(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.)

1. MIRU 10/08/85. POH w/pump & rods, NU BOP. POH w/tbg.
2. TIH w/bit to 1723'. RIH w/pkr, set @ 1629'. Pmpd into perfs 1683-1779' 1.5 BPM @ 1000#, POH.
3. RIH w/cmt retr, set @ 1629'. Cmted w/100 sx Cl H Neat. Tagged TOC @ 1570'.
4. Displ csg w/9.5# brine w/25#/bbl gel.
5. Spotted cmt plug 967-536'. Tagged TOC @ 530'. Perf'd 5½" csg w/4 holes @ 500'. Broke circ out 5½" x 8-5/8" annulus. Cmted 5½" csg & 5½" x 8-5/8" annulus 500' to surf thru perfs.
6. Cleaned location. Installed regulation dry hole marker. Well P&A eff: 10/15/85. Final Report.

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

SIGNED

D.D. Whitman

TITLE

Dist Drlg Supv.

DATE

10/22/85

(This space for Federal or State office use)

APPROVED BY

Orig. Sgd. Charles S. Linton

TITLE

DATE

5-7-86

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

OCT 7 1957

U. S. LAND OFFICE Las Cruces, N.M.

SERIAL NUMBER LC 070678

LEASE OR PERMIT TO PROSPECT -----

ARTESIA OFFICE

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY



LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Malco Refineries, Inc. Address P. O. Box 660, Roswell, New Mexico

Lessor or Tract Walter H. Gant "A" Field Red Lake State New Mexico

Well No. 2 Sec. 8 T. 18S R. 27E Meridian N. M. P. M. County Eddy

Location 1930 ft.  of N Line and 1650 ft.  of W Line of Sec. 8 Elevation 3369'
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed

Date September 26, 1957

Title Drlg. and Prod. Sup't.

The summary on this page is for the condition of the well at above date.

Commenced drilling September 1, 1957 Finished drilling September 13, 1957

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1683' to _____ No. 4, from 1760' to _____

No. 2, from 1702 to 1712' No. 5, from 1779' to _____

No. 3, from 1722 to 1732' No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____ to _____

No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

| Size casing | Weight per foot | Threads per inch | Make | Amount | Kind of shoe | Cut and pulled from | Perforated | | Purpose |
|-------------|-----------------|------------------|------|--------|--------------|---------------------|------------|------|---------------|
| | | | | | | | From— | To— | |
| 8-5/8 | 24 | 8 rd. thd | | 914.70 | Guide | | | | Wtr. shut off |
| 6-1/2 | 24 | 8 rd. thd | | 1190 | Guide | | 1683 | 1722 | Oil string |
| | | | | | | | 1683-1702 | 1760 | A casing was |
| | | | | | | | 1722-1732 | 1779 | lost in the |

MUDDING AND CEMENTING RECORD

[illegible]

PLUGS AND ADAPTERS

Heaving plug—Material ----- Length ----- Depth set -----

| Adapters—Material | Size |
|-------------------|------|
|-------------------|------|

SHOOTING RECORD

| Size | Shell used | Explosive used | Quantity | Date | Depth shot | Depth cleaned out |
|-------------|-------------------|-----------------------|-----------------|-------------|-------------------|--------------------------|
| | | | | | | |
| | | | | | | |
| | | | | | | |

TOOLS USED

Rotary tools were used from 0 feet to 10 feet, and from _____ feet to _____ feet

Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet.

DATES

September 1, 1957 (spud date) Put to producing September 21, 1957

The production for the first 24 hours was 42 barrels of fluid of which 96% was oil; 4% emulsion; 1% water; and 1% sediment. Gravity, °Bé. 100.0

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

No. 1, from _____ to _____

No. 2, from _____ to _____

No. 3, from _____ to _____

No. 4, from _____ to _____

| Size casing | Weight per foot | Threads per inch | Make | Amount | Kind of shoe | Cut and pulled from | Perforated | | Purpose |
|---|-----------------|------------------|------|--------|--------------|---------------------|------------|--------|---------------|
| | | | | | | | From— | To— | |
| 8-5/8 | 24 | 8 rd. thd | | 914.70 | Guide | | | | Ntr. shut off |
| 6-5/8 | 24 | 8 rd. thd | | 1760 | Guide | | | | Old string |
| <p>HISTORICAL RECORD OF THE WORK AND ITS RESULTS One of the greatest importance to have a complete record of the work. Please note in each the date of completion.</p> | | | | | | | | | |
| HISTORY OF OUR OK CAS MFG | | | | | | | | | |
| | | | | | | | B-13094-C | CASING | PERFORATED |

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|---------------|-------------|--------------------|
| 8-5/8 | 925.37 | 330 | Pump and plug | | |
| 5-1/2 | 1790.25 | 225 | Pump and plug | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

| | | |
|-----------------------|--------|-----------|
| Heaving plug—Material | Length | Depth set |
| Adapters—Material | Size | |

[illegible]

Rotary tools were used from 0 feet to T. D. feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

September 1, 1957 (spud date) Put to producing September 21, 1957
 The production for the first 24 hours was 42 barrels of fluid of which 96% was oil; 4% emulsion; 4% water; and 0% sediment. Gravity, °Bé. _____
 If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
 Rock pressure, lbs. per sq. in. _____

| | | | |
|-------------|---------|-------------|---------|
| H. M. Heath | Driller | T. V. Smith | Driller |
| J. D. Smith | Driller | | Driller |

| FROM— | TO— | TOTAL FEET | FORMATION |
|-------|-------|------------|---------------------------|
| 0 | 880 | 880 | Sand, anhydrite and shale |
| 880 | 1155 | 275 | Dolomite and anhydrite |
| 1155 | 1794' | 639 | Dolomite |

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 <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> | | 7. UNIT AGREEMENT NAME | |
| 2. NAME OF OPERATOR ARCO Oil and Gas Company Division of Atlantic Richfield Company | | 8. FARM OR LEASE NAME West Red Lake Unit | |
| 3. ADDRESS OF OPERATOR P. O. Box 1710, Hobbs, New Mexico 88240 | | 9. WELL NO. 22 | |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 986' FNL & 1648' FEL (Unit B) | | 10. FIELD AND POOL OR WILDCAT Red Lake Grayburg SA | |
| 14. PERMIT NO. | | 11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA 8-18S-27E | |
| 15. ELEVATIONS (Show whether DF, RT, GR, etc.) Unknown | | 12. COUNTY OR PARISH Eddy | |
| | | 13. STATE N.M. | |

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 COMPLETION

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON*

SHOOTING OR ACIDIZING

ABANDONMENT*

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.)*

1. MIRU 10/10/85. POH w/rods & pump. POH w/tbg. NU BOP.
2. TIH w/csg scraper to 1033'. RIH w/FBRC to 1000', press 5½" x 2-7/8" annulus to 100#. Hole in 5½" csg @ surface, POH.
3. RIH w/2-7/8" tbg OE, tagged @ 1192'. Spotted 50 sx Cl H Neat cmt, PU to 1091'. RO 19 sx cmt. ND BOP.
4. PU on 5½" csg & parted. POH w/20 jts 5½" csg.
5. RIH w/2-7/8" tbg OE, tagged cmt @ 1108'.
6. Cmtd 1108' to surface w/200 sx Cl H Neat cmt.
7. Installed regulation dry hole marker, cleaned & levelled location. Well P&A eff: 10/12/85. Final Report.



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

SIGNED

TITLE

Dist Drlg Supv.

DATE

10/23/85

(This space for Federal or State office use)

Orig. Sgd. Charles S. [unclear]

APPROVED BY

TITLE

DATE

5-7-86

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Post FD-2
11-3-85
P. 17

UNITED STATES 30-015-00832

GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed _____

Date 1/4/49

| Title | Agent |
|-------|-------|
|-------|-------|

The summary on this page is for the condition of the well at above date.

Commenced drilling October 6th, 1948 Finished drilling November 15th, 1948

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1188 to 1193 No. 4, from _____ to _____
 No. 2, from _____ to _____ No. 5, from _____ to _____
 No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 254 to 258 No. 3, from 985 to 987
No. 2, from 860 to 895 No. 4, from _____ to _____

CASING RECORD

| Size casing | Weight per foot | Threads per inch | Make | Amount | Kind of shoe | Cut and pulled from | Perforated | | Purpose |
|------------------------------|-----------------|------------------|------|-------------------------------|--------------|---------------------|------------|-----|---------|
| | | | | | | | From— | To— | |
| 2 1/2 port | 120# | 10-V | 1136 | Fleat | | | | | |
| 5 1/2 | 15# | 10-V | 1068 | Set on Packer in 7 1/2 casing | | | | | |
| IN STOCK ON OIL OIL CYS AREA | | | | | | | | | |

MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|--------------------|------------------|-------------------------------|--------------------|--------------------|---------------------------|
| 7" | 1136' | 75 | Halliburton | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set

Adapters—Material Size

SHOOTING RECORD

| Size | Shell used | Explosive used | Quantity | Date | Depth shot | Depth cleaned out |
|------|------------|----------------|----------|-------|------------|-------------------|
| | | Nitroglycerin | 20 Qts. | 11/14 | 1194-1200 | 1200 |
| | | | | | | |
| | | | | | | |

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet.

Cable tools were used from -0- feet to 1200 feet, and from _____ feet to _____ feet.

2 DATES

Put to producing December 1st 19 48

The production for the first 24 hours was 45 barrels of fluid of which 100 % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. _____

If gas well, cu. ft. per 24 hours

Gallons gasoline per 1,000 cu. ft. of gas

FOLD | MARK

IMPORTANT WATER SANDS

No. 1, from 254 to 258 No. 3, from 985 to 987
 No. 2, from 860 to 895 No. 4, from to

CASING RECORD

| Size casing | Weight per foot | Threads per inch | Make | Amount | Kind of shoe | Cut and pulled from | Perforated | | Purpose |
|-------------|-----------------|------------------|-------------|--------|--------------|----------------------------|------------|-----|---------|
| | | | | | | | From— | To— | |
| 7" | 1136' | 75 | Halliburton | 1136' | Plumb | Set at Packer in 7" casing | | | |
| | | | | | | | | | |
| | | | | | | | | | |
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| | | | | | | | | | |

MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|-------------|-------------|--------------------|
| 7" | 1136' | 75 | Halliburton | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set
 Adapters—Material Size

SHOOTING RECORD

| Size | Shell used | Explosive used | Quantity | Date | Depth shot | Depth cleaned out |
|------|------------|----------------|----------|-------|------------|-------------------|
| | | Nitroglycerin | 20 Qts. | 11/14 | 1194-1200 | 1200 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

TOOLS USED

Rotary tools were used from feet to feet, and from feet to feet
 Cable tools were used from -0- feet to 1200 feet, and from feet to feet

DATES

Put to producing December 1st, 1948
 The production for the first 24 hours was 45 barrels of fluid of which 100 % was oil; %
 emulsion; % water; and % sediment. Gravity, °Bé.
 If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas
 Rock pressure, lbs. per sq. in.

EMPLOYEES

T. B. Hammond, Driller Bill Hudson, Driller
 Harry Hubbard, Driller

FORMATION RECORD

| FROM— | TO— | TOTAL FEET | FORMATION |
|-------|-----|------------|---------------------------|
| -0- | 95 | 95 | Gyp |
| 95 | 112 | 17 | Brown Lime |
| 112 | 130 | 18 | Gyp |
| 130 | 135 | 5 | Brown Lime |
| 135 | 149 | 14 | Gray Lime & Gyp |
| 149 | 157 | 8 | Gray Lime & Gyp |
| 157 | 160 | 3 | White Lime |
| 160 | 180 | 20 | Anhydrite & Lime |
| 180 | 190 | 10 | Brown Lime |
| 190 | 226 | 36 | Gyp & Gray Lime |
| 226 | 232 | 6 | Anhydrite & Red Rock |
| 232 | 291 | 59 | Anhydrite - Water 254-258 |
| 291 | 300 | 9 | Anhydrite |
| 300 | 320 | 20 | Red Sand |
| 320 | 373 | 53 | Anhydrite & Gyp |
| 373 | 405 | 32 | Gyp & Red Sand |
| 405 | 438 | 33 | Gyp & Red Rock |
| 438 | 470 | 32 | Anhydrite |
| 470 | 506 | 36 | Anhydrite |
| 506 | 520 | 14 | Red Sand & Gyp |
| 520 | 565 | 45 | Anhydrite |
| 565 | 587 | 22 | Shale & Red Sand |
| 587 | 600 | 13 | Red Sand |
| FROM— | TO— | TOTAL FEET | FORMATION |

Attachment VI

Pro-Kem, Inc.

WATER ANALYSIS REPORT

SAMPLE

Oil Co. : Devon Energy
 Lease : West Red Lake Unit
 Well No.: Free-Water Knock-Out
 Salesman:

Sample Loc. :
 Formation : GRAYBURG - SAN ANDRES
 Date Analyzed: 17-June-1996

ANALYSIS

1. pH 6.820
 2. Specific Gravity 60/60 F. 1.091
 3. CaCO₃ Saturation Index @ 80 F. +0.731
 @ 140 F. +1.611

Dissolved Gasses

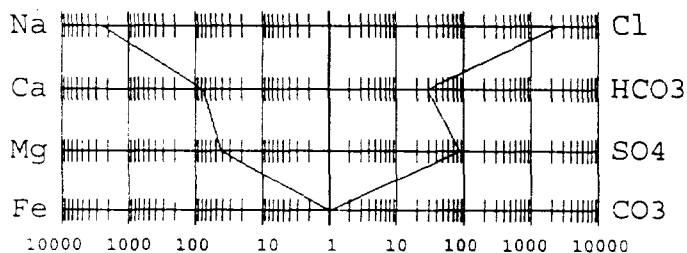
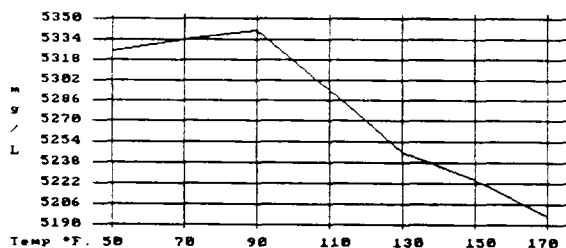
| | MG/L | EQ. WT. | *MEQ/L |
|---------------------|----------------|---------|--------|
| 4. Hydrogen Sulfide | 275 | | |
| 5. Carbon Dioxide | 200 | | |
| 6. Dissolved Oxygen | Not Determined | | |

Cations

| | | | |
|---|----------------|----------|----------|
| 7. Calcium (Ca ⁺⁺) | 1,503 | / 20.1 = | 74.78 |
| 8. Magnesium (Mg ⁺⁺) | 486 | / 12.2 = | 39.84 |
| 9. Sodium (Na ⁺) (Calculated) | 55,071 | / 23.0 = | 2,394.39 |
| 10. Barium (Ba ⁺⁺) | Not Determined | | |

Anions

| | | | |
|--|------------|----------|----------|
| 11. Hydroxyl (OH ⁻) | 0 | / 17.0 = | 0.00 |
| 12. Carbonate (CO ₃ ⁼) | 0 | / 30.0 = | 0.00 |
| 13. Bicarbonate (HCO ₃ ⁻) | 1,713 | / 61.1 = | 28.04 |
| 14. Sulfate (SO ₄ ⁼) | 4,100 | / 48.8 = | 84.02 |
| 15. Chloride (Cl ⁻) | 84,981 | / 35.5 = | 2,393.83 |
| 16. Total Dissolved Solids | 147,854 | | |
| 17. Total Iron (Fe) | 2 | / 18.2 = | 0.11 |
| 18. Total Hardness As CaCO ₃ | 5,755 | | |
| 19. Resistivity @ 75 F. (Calculated) | 0.042 /cm. | | |

LOGARITHMIC WATER PATTERN
*meq/L.Calcium Sulfate Solubility Profile

PROBABLE MINERAL COMPOSITION

| COMPOUND | EQ. WT. X | *meq/L = | mg/L. |
|------------------------------------|-----------|----------|---------|
| Ca(HCO ₃) ₂ | 81.04 | 28.04 | 2,272 |
| CaSO ₄ | 68.07 | 46.74 | 3,182 |
| CaCl ₂ | 55.50 | 0.00 | 0 |
| Mg(HCO ₃) ₂ | 73.17 | 0.00 | 0 |
| MgSO ₄ | 60.19 | 37.28 | 2,244 |
| MgCl ₂ | 47.62 | 2.56 | 122 |
| NaHCO ₃ | 84.00 | 0.00 | 0 |
| NaSO ₄ | 71.03 | 0.00 | 0 |
| NaCl | 58.46 | 2,391.27 | 139,794 |
| *Milli Equivalents per Liter | | | |

This water is slightly corrosive due to the pH observed on analysis.
 Corrosivity is increased by the content of mineral salts, and the presence
 of H₂S, CO₂ in solution.

ATTACHMENT XIII

Affidavit of Publication

No 19017

State of New Mexico,
County of Eddy, ss.

Amy McKay
being first duly sworn, on oath says:

That she is Business Manager
of the Carlsbad Current-Argus, a newspaper published daily at the City of Carlsbad, in said county of Eddy, state of New Mexico and of general paid circulation in said county; that the same is a duly qualified newspaper under the laws of the state wherein legal notices and advertisements may be published; that the printed notice attached hereto was published in the regular and entire edition of said newspaper and not in supplement thereof on the date as follows, to wit:

March 13, 1997
_____, 19____
_____, 19____
_____, 19____
_____, 19____
_____, 19____

That the cost of publication is \$ 39.71,
and that payment thereof has been made and will
be assessed as court costs.

Amy McKay

Subscribed and sworn to before me this

17th day of March, 1997

Donna Crump

My commission expires 08/01/98
Notary Public

March 13, 1997

LEGAL ADVERTISEMENT

Notice is hereby given that Devon Energy Corporation (Nevada) is applying to the New Mexico Oil Conservation Division to convert the following wells to water injection wells:

West Red Lake #18
660' FNL & 660' FWL "D"
Section 8-18S-27E
Eddy County, NM

West Red Lake #25
121' FNL & 1003' FWL "A"
Section 8-18S-27E
Eddy County, NM

West Red Lake #35
330' FNL & 240' FWL "D"
Section 8-18S-27E
Eddy County, NM

West Red Lake #50
990' FNL & 1700' FWL "C"
Section 8-18S-27E
Eddy County, NM

West Red Lake #62
990' FNL & 990' FWL "D"
Section 8-18S-27E
Eddy County, NM

West Red Lake #72
1400' FNL & 2100' FWL "F"
Section 8-18S-27E
Eddy County, NM

The intended purpose of this well is to inject produced waters into the Grayburg/San Andres formation to enhance oil production through secondary recovery. Maximum injection rates of 1500 bwpd and a maximum pressure of 1000 psig are expected.

Interested parties must file objections or requests for hearing within 15 days to the following commission:

Oil Conservation Division
P.O. Box 2088
Santa Fe, NM 87501

Ernie Buttross
District Engineer
Devon Energy Corporation
20 North Broadway,
Suite 1500
Oklahoma City, OK 73102
(405) 552-4555



20 North Broadway, Suite 1500
Oklahoma City, Oklahoma 73102-8260

Telephone: 405/235-3611
FAX 405/552-4667

May 1, 1997

Arco
P.O. Box 1610
Midland, TX 79702-1610

RE: Devon Energy Corporation
West Red Lake Waterflood Project
Sections 4,5,6,8,9 T18S-R27E
Eddy County, NM

Gentlemen:

Please consider this letter as official notification that Devon Energy Corporation is in the process of filing applications to convert approximately six (6) wells to water injection wells in the above referenced Sections. Our records indicate that you are an offset operator. As an offset operator you must be notified by Devon Energy and you must file any objections or requests for hearing of administrative applications with the Oil Conservation Division of New Mexico within fifteen (15) days of receiving this notification. Attached is a copy of the application filed with the New Mexico Oil Conservation.

Please direct questions regarding this matter to Ernie Buttross at (405) 552-4509.

Sincerely,

Devon Energy Corporation

A handwritten signature in cursive script that reads "Diana M. Keys".

Diana M. Keys
Engineering Technician

/dmk
enclosures

xc: Well Files



20 North Broadway, Suite 1500
Oklahoma City, Oklahoma 73102-8260

Telephone: 405/235-3611
FAX 405/552-4667

May 1, 1997

Amoco
501 Westlake Pk Blvd
Houston, TX 77253

RE: Devon Energy Corporation
West Red Lake Waterflood Project
Sections 4,5,6,8,9 T18S-R27E
Eddy County, NM

Gentlemen:

Please consider this letter as official notification that Devon Energy Corporation is in the process of filing applications to convert approximately six (6) wells to water injection wells in the above referenced Sections. Our records indicate that you are an offset operator. As an offset operator you must be notified by Devon Energy and you must file any objections or requests for hearing of administrative applications with the Oil Conservation Division of New Mexico within fifteen (15) days of receiving this notification. Attached is a copy of the application filed with the New Mexico Oil Conservation.

Please direct questions regarding this matter to Ernie Buttross at (405) 552-4509.

Sincerely,

Devon Energy Corporation

A handwritten signature in cursive script that reads "Diana Keys".

Diana M. Keys
Engineering Technician

/dmk
enclosures

xc: Well Files



20 North Broadway, Suite 1500
Oklahoma City, Oklahoma 73102-8260

Telephone: 405/235-3611
FAX 405/552-4667

May 1, 1997

Yates Petroleum Corporation
105 S. 4th Yates Bldg
Artesia, NM 88210

RE: Devon Energy Corporation
West Red Lake Waterflood Project
Sections 4,5,6,8,9 T18S-R27E
Eddy County, NM

Gentlemen:

Please consider this letter as official notification that Devon Energy Corporation is in the process of filing applications to convert approximately six (6) wells to water injection wells in the above referenced Sections. Our records indicate that you are an offset operator. As an offset operator you must be notified by Devon Energy and you must file any objections or requests for hearing of administrative applications with the Oil Conservation Division of New Mexico within fifteen (15) days of receiving this notification. Attached is a copy of the application filed with the New Mexico Oil Conservation.

Please direct questions regarding this matter to Ernie Buttross at (405) 552-4509.

Sincerely,

Devon Energy Corporation

A handwritten signature in cursive script that reads "Diana M. Keys".

Diana M. Keys
Engineering Technician

/dmk
enclosures

xc: Well Files



20 North Broadway, Suite 1500
Oklahoma City, Oklahoma 73102-8260

Telephone: 405/235-3611
FAX 405/552-4667

May 1, 1997

Breck Operating Corporation
P.O. Box 911
Breckenridge, TX 76424-0911

RE: Devon Energy Corporation
West Red Lake Waterflood Project
Sections 4,5,6,8,9 T18S-R27E
Eddy County, NM

Gentlemen:

Please consider this letter as official notification that Devon Energy Corporation is in the process of filing applications to convert approximately six (6) wells to water injection wells in the above referenced Sections. Our records indicate that you are an offset operator. As an offset operator you must be notified by Devon Energy and you must file any objections or requests for hearing of administrative applications with the Oil Conservation Division of New Mexico within fifteen (15) days of receiving this notification. Attached is a copy of the application filed with the New Mexico Oil Conservation.

Please direct questions regarding this matter to Ernie Buttross at (405) 552-4509.

Sincerely,

Devon Energy Corporation

A handwritten signature in cursive script that reads "Diana M. Keys".

Diana M. Keys
Engineering Technician

/dmk
enclosures

xc: Well Files

devon
ENERGY CORPORATION

20 North Broadway, Suite 1500
Oklahoma City, Oklahoma 73102-8260

Telephone: 405/235-3611
FAX 405/552-4667

May 1, 1997

Simon
11200 Westheimer, Ste 200
Houston, TX 77042-3200

RE: Devon Energy Corporation
West Red Lake Waterflood Project
Sections 4,5,6,8,9 T18S-R27E
Eddy County, NM

Gentlemen:

Please consider this letter as official notification that Devon Energy Corporation is in the process of filing applications to convert approximately six (6) wells to water injection wells in the above referenced Sections. Our records indicate that you are an offset operator. As an offset operator you must be notified by Devon Energy and you must file any objections or requests for hearing of administrative applications with the Oil Conservation Division of New Mexico within fifteen (15) days of receiving this notification. Attached is a copy of the application filed with the New Mexico Oil Conservation.

Please direct questions regarding this matter to Ernie Buttross at (405) 552-4509.

Sincerely,

Devon Energy Corporation



Diana M. Keys
Engineering Technician

/dmk
enclosures

xc: Well Files



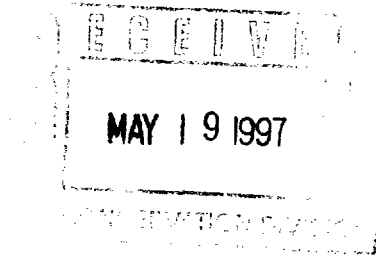
ENERGY CORPORATION

20 North Broadway, Suite 1500
Oklahoma City, Oklahoma 73102-8260

Telephone 405/235-3611
FAX 405/552-4550

May 13, 1997

Certified Mail No. P 240 501 736



STATE OF NEW MEXICO

Energy, Minerals and Natural Resources Dept.
Oil Conservation Division, District II
2040 South Pacheco
Santa Fe, NM 87505
ATTN: Ben Stone

RE: WRLU Waterflood Project
Sections 4,5,8,9-18S-27E
Eddy County, NM

Mr. Stone:

Please find enclosed copies of the Return Receipts to offset operators and the Bureau of Land Management for the above referenced waterflood application.

Please direct inquiries concerning this matter to the undersigned at (405) 235-3611, X4515.

Yours truly,

DEVON ENERGY CORPORATION (NEVADA)

Diana Keys
Engineering Tech.

/dk
Enclosures

copy: OCD - Artesia # P 240 501 737
Field Office
Ernie Buttross
Well Files

Santana

West Red Lake Waterflood Project (May, 1997)

WRLU 18
WRLU 25
WRLU 35
WRLU 50
WRLU 62
WRLU 72

copy to offset
operator - send
notifications to
OCD

P 240 501 693

US Postal Service
Receipt for Certified Mail
No Insurance Coverage Provided.

| | |
|---|---------------------------|
| DC | |
| St | |
| Simon | |
| St | 11200 Westheimer, Ste 200 |
| Pi | Houston, TX 77042-3200 |
| Postage | \$ |
| Certified Fee | |
| Special Delivery Fee | |
| Restricted Delivery Fee | |
| Return Receipt Showing to Whom & Date Delivered | |
| Return Receipt Showing to Whom, Date, & Addressee's Address | |
| TOTAL Postage & Fees | \$ |
| Postmark or Date | |

Is your RETURN ADDRESS completed on the reverse side?

| | |
|--|--|
| SENDER: <u>WRLU 18, 25, 35, 50, 62, 72</u> | |
| <ul style="list-style-type: none">Complete items 1 and/or 2 for additional services.Complete items 3, 4a, and 4b.Print your name and address on the reverse of this form so that we can return this card to you.Attach this form to the front of the mailpiece, or on the back if space does not permit.Write "Return Receipt Requested" on the mailpiece below the article number.The Return Receipt will show to whom the article was delivered and the date delivered. | |
| 5-2-97 | |
| 3. Article Addressed to: | 4a. Article Number |
| Simon 11200 Westheimer, Ste 200 Houston, TX 77042-3200 | <u>P 240 501 693</u> |
| 5. Received By: (Print Name) | 4b. Service Type |
| <u>C Price</u> <u>C Price</u> | <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Certified |
| 6. Signature: (Addressee or Agent) | <input type="checkbox"/> Express Mail <input type="checkbox"/> Insured |
| <u>X</u> | <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> COD |
| 7. Date of Delivery | |
| <u>5-8-97</u> | |
| 8. Addressee's Address (Only if requested and fee is paid) | |

Santa

West Red Lake Waterflood Project (May, 1997)

WRLU 18
WRLU 25
WRLU 35
WRLU 50
WRLU 62
WRLU 72

Copies to Offset
Operations - Sent to
Notification
OCD.

P 240 501 691

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided

Do

Amoco

501 Westlake Pk Blvd

Houston, TX 77253

WRLU 18, 25, 35, 50, 62, 72

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- ☐ Addressee's Address
- ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Amoco
501 Westlake Pk Blvd
Houston, TX 77253

4a. Article Number

P 240 501 691

4b. Service Type

- ☐ Registered
- ☒ Certified
- ☐ Express Mail
- ☐ Insured
- ☐ Return Receipt for Merchandise
- ☐ COD

7. Date of Delivery

MAY 05 1997

5. Received By: (Print Name)

8. Addressee's Address (Only if requested and fee is paid)

6. Signature: (Addressee or Agent)

X *Chuck Martin*

PS Form 3811, December 1994

Thank you for using Return Receipt Service.

P 240 501 692

US Postal Service

Receipt for Certified Mail

No

Do

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

3. Article Addressed to:

Arco
P.O. Box 1610
Midland, TX 79702-1610

5. Received By: (Print Name)

6. Signature: (Addressee or Agent)

X

I also wish to receive the following services (for an extra fee):

- ☐ Addressee's Address
- ☐ Restricted Delivery

Consult postmaster for fee.

4a. Article Number

P 240 501 692

4b. Service Type

- ☐ Registered
- ☒ Certified
- ☐ Express Mail
- ☐ Insured
- ☐ Return Receipt for Merchandise
- ☐ COD

7. Date of Delivery

MAY 05 1997

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1994

Domestic Return Receipt

Santa Fe

West Red Lake Waterflood Project (May, 1997)

WRLU 18
WRLU 25
WRLU 35
WRLU 50
WRLU 62
WRLU 72

Sundry,
Copy Application,
surface owner
notification.

P 240 501 694

US Postal Service
Receipt for Certified Mail
Coverage Provided.

Bureau of Land Management
2909 West Second Street
Roswell, NM 88201

PS Form 3800 April 1995

| | |
|---|----|
| Certified Fee | |
| Special Delivery Fee | |
| Restricted Delivery Fee | |
| Return Receipt Showing to Whom & Date Delivered | |
| Return Receipt Showing to Whom, Date, & Addressee's Address | |
| TOTAL Postage & Fees | \$ |
| Postmark or Date | |

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

WRLU 18, 25, 35, 50, 62, 72, sundry.

XC Appl WRLU
surf. owner

also wish to receive the following services (for an extra fee):

- ☐ Addressee's Address
 - ☐ Restricted Delivery
- Consult postmaster for fee.

Bureau of Land Management
2909 West Second Street
Roswell, NM 88201

| | |
|--|--|
| 4a. Article Number | P 240 501 694 |
| 4b. Service Type | <input checked="" type="checkbox"/> Registered <input checked="" type="checkbox"/> Certified |
| | <input type="checkbox"/> Express Mail <input type="checkbox"/> Insured |
| | <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> COD |
| 7. Date of Delivery | 5-5-97 |
| 8. Addressee's Address (Only if requested and fee is paid) | |

5. Received By: (Print Name)

Return Receipt

Surter K

West Red Lake Waterflood Project (May, 1997)

WRLU 18
WRLU 25
WRLU 35
WRLU 50
WRLU 62
WRLU 72

P 240 501 683

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to

State of New Mexico

WRLU 18, 25, 35, 50, 62, 72

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- ☐ Addressee's Address
- ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

OCD
2040 S. Pacheco
Santa Fe, NM 87505

4a. Article Number

P240 501 683

4b. Service Type

- ☐ Registered ☒ Certified
- ☐ Express Mail ☐ Insured
- ☐ Return Receipt for Merchandise ☐ COD

7. Date of Delivery

5/6

5. Received By: (Print Name)

6. Signature: (Addressee or Agent)

X M. B. B. B.

8. Addressee's Address (Only if requested and fee is paid)

Domestic Return Receipt

PS Form 3811, December 1994

P 240 501 684

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

New Mexico OCD

Energy, Minerals & Natural Resources
811 South First
Artesia, NM 88210-2834

I also wish to receive the following services (for an extra fee):

- ☐ Addressee's Address
- ☐ Restricted Delivery

Consult postmaster for fee.

4a. Article Number

P 240 501 684

4b. Service Type

- ☐ Registered ☒ Certified
- ☐ Express Mail ☐ Insured
- ☐ Return Receipt for Merchandise ☐ COD

7. Date of Delivery

5-6-97

5. Received By: (Print Name)

6. Signature: (Addressee or Agent)

X J. Shannon

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1994

Domestic Return Receipt

Santa Fe

West Red Lake Waterflood Project (May, 1997)

WRLU 18
WRLU 25
WRLU 35
WRLU 50
WRLU 62
WRLU 72

P 240 501 685

copy to
offset work
send notifications
to OCO-

US Postal Service Receipt for Certified Mail

No Insurance Coverage Provided
Do not
Send
Street
Post
Yates Petroleum Corporation
105 S. 4th Yates Bldg
Artesia, NM 88210

WRLU 18, 25, 35, 50, 62, 72

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Yates Petr. Corp.
105 S. 4th Yates Bldg
Artesia, NM 88210

4a. Article Number

P 240 501 685

4b. Service Type

- ☐ Registered ☒ Certified
☐ Express Mail ☐ Insured
☐ Return Receipt for Merchandise ☐ COD

7. Date of Delivery

WRLU 18, 25, 35, 50, 62, 72

5. Received By: (Print Name)

Ricky Williams

6. Signature: (Addressee or Agent)

X

PS Form 3811, December 1994

US Postal Service Receipt for Certified Mail

No Insurance Coverage Provided.
Do not use for International Mail (See reverse)

P 240 501 690

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Breck Operating Corporation
P.O. Box 911
Breckenridge, TX 76424-0911

4a. Article Number

P 240 501 690

4b. Service Type

- ☐ Registered ☒ Certified
☐ Express Mail ☐ Insured
☐ Return Receipt for Merchandise ☐ COD

7. Date of Delivery

5-5-97

5. Received By: (Print Name)

6. Signature: (Addressee or Agent)

X Jim Wright

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1994

Domestic Return Receipt

ATTACHMENT VI
Well Information and Downhole Schematics
Plugged and Abandoned Wells within Area of Review
Devon Energy Corporation
West Red Lake Waterflood Project

JUL 16 1997

Well Name: Brainard #1

Location: Section 5 -18S-27E (330' FSL + 1650' FEZ)

Operator (at time of plugging): AW Adkins

Date Plugged: 6/32

Information Obtained From: Scout Report (11M), PI CD RCM

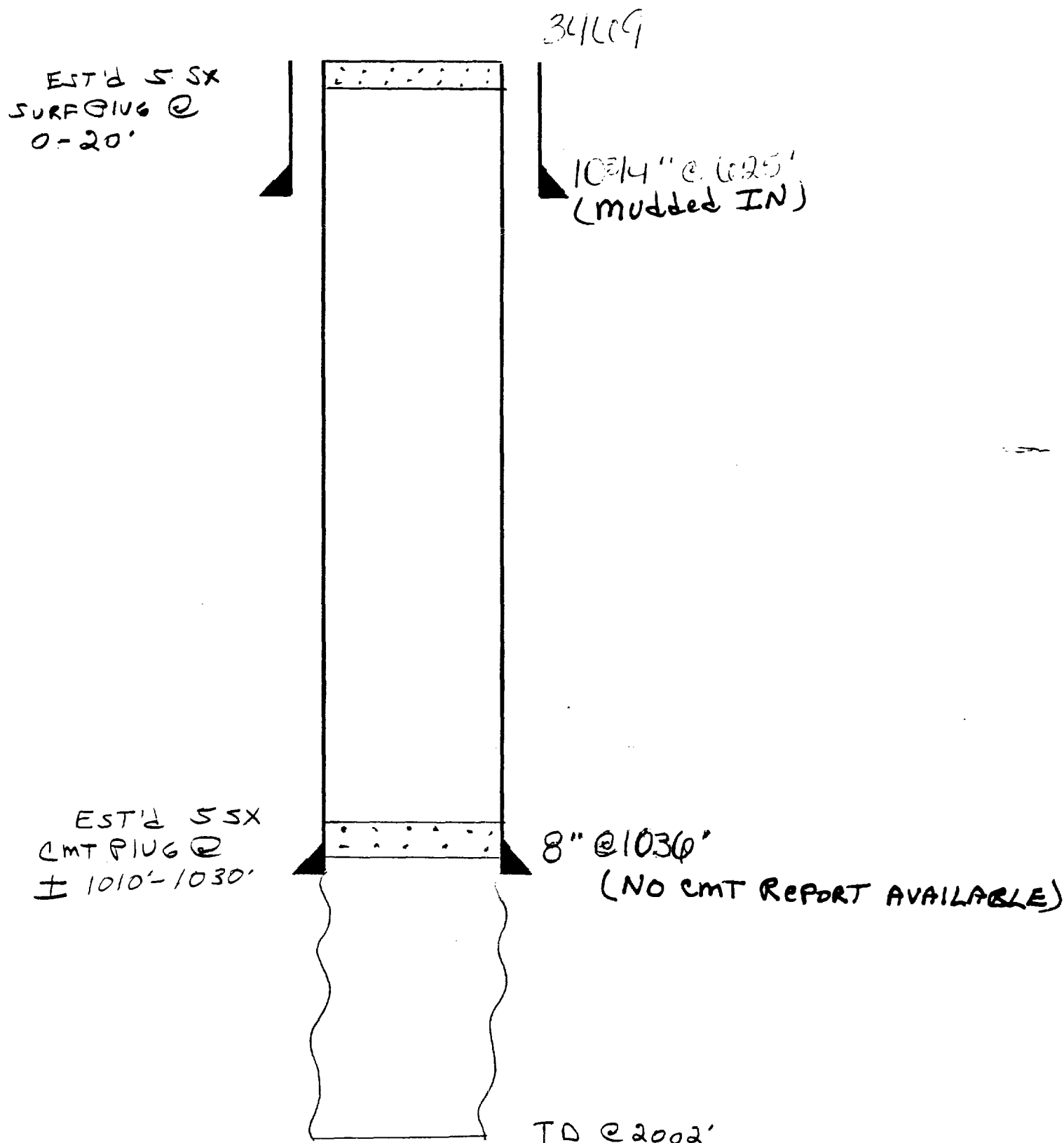
Comments:

Spill 927-32. Csg set @ 625' and 1030'

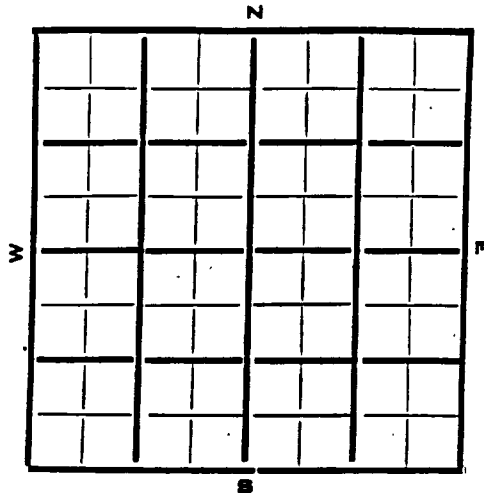
NO cmt. volumes given. NO plugging info

available. See Attached. (Drilled + Abandoned Well)

Downhole Schematic:



SCOUT REPORT NEW MEXICO OIL CONSERVATION COMMISSION



Company A. W. Addison *Adkinson*
 Farm Name Brainard Well No. 1
 Land Classification Government
 Sec. 5 Twp. 18 Range 27 County Eddy
 Feet from Line: N. 330 S. 1650 E. V
 Elevation 3469 Method Cable
 Contractor Scout
 Spudded 9-27-32 Completed Initial Production
 Bond Status

| Amount Casing and Cementing Record | | | |
|---------------------------------------|------|--------|---------------|
| SIZE | FEET | INCHES | BOX CEMENT |
| 10 3/4 | 625 | | Mud |
| 8 | 1036 | | Set |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

Tubing Record

Packer

ACID RECORD

Gals.

Top Pay

TD

TA

TX

BX

TRS

TY

TBL

TWL

SHOOTING RECORD

No. of Quarts

From

To

No. of Quarts

From

To

S/

S/

S/

S/

S/

S/

| DATE | | DATE | |
|---------|-------------------|--------|---------------------------|
| 7-19-38 | Location | 11-21 | T.D. 979 RB |
| 7-26 | " | | S.D. Orders |
| 8-2 | " | 11-29 | S D Orders 979 RB |
| 8-9 | " | 12-13 | Ø 1042 L |
| 8-16 | " | | Ø 1238 S |
| 8-23 | " | | S/o 1238 |
| 8-30 | " | 12-20 | Tstg pmpa. S D 1242 |
| 9-7 | " | 12-28 | 1250 L tstg - pmpd 5 BO & |
| 9-12 | " | | IB Shut wtr may deepen |
| 9-19 | | | S D O |
| 9-26 | | 1-4-39 | |
| 10-4 | | 1-10 | |
| 10-11 | Ø 240 Cal | 1-17 | |
| 10-18 | No report | 1-24 | Ø 1254 L |
| 10-25 | T.D. 625 RB | 1-31 | Ø 1365 L |
| | S D Orders | 2-7 | T.D. 1370 L |
| 11-1 | | | S D Orders |
| 11-8 | | 2-14 | Ø 1366 A & L |
| 11-15 | T.D. 922 R & G | 2-21 | Ø 1400 L |
| | 8" Ø 906 | 2-28 | Ø 1438 A & L |
| | Prep to Underream | | |

LOG

[illegible]

petroROM Well Report
Copyright 1996 by Petroleum Information Corporation

----- General Information -----

| | | | |
|--------------------|-------------------|---------------------|------------|
| State | : NMEX | Final Status | : D&A-OG |
| County | : EDDY | Total Depth | : 2002 |
| Field | : ARTESIA | Spud Date YYYYMMDD: | 19380927 |
| Operator Name | : ADKISSON A W | Comp Date YYYYMMDD: | 19390621 |
| Well Number | : 1 | Hole Direction | : VERTICAL |
| Lease Name | : BRAINARD | | |
| API Number | : 30015007770000 | | |
| Section or Equiv | : SEC 5 | Init Lahee Class | : D |
| Township | : S018 | Final Lahee Class: | D |
| Range | : E027 | Permit Number | : |
| Spot | : | Elevation | : 00000 () |
| Base Meridian | : NEW MEXICO (21) | | |
| Geologic Province: | PERMIAN BASIN | | |
| Formation at TD | : | | |
| Oldest Age Pen | : | | |

Producing Formation:

----- Additional Location Information -----

Footage Location : 330FSL 1650FEL SEC LN
Location Narrative:

| | | | |
|-----------|-------------|-----------------|---|
| Latitude | : 32.77034 | Latitude (Bot) | : |
| Longitude | : 104.29657 | Longitude (Bot) | : |

Latitude & Longitude Source: USGS

----- Production Tests -----

| Test Form | Top | Base | Oil Rate | Gas Rate | Wtr Rate | FTP | BHP | Ck | M | BHT |
|-----------|------|------|----------|----------|----------|-----|-----|----|---|-----|
| 0001 | 1242 | 1242 | 4 BO | | 5 BW | | | | P | |
| 0002 | 1249 | 1250 | 5 BO | | 1 BW | | | | P | |
| 0003 | 2002 | 2002 | | | 1 UW | | | | B | |

----- Formation Tests -----

| Test Type Form | Top | Base | Hydrostatic | | Flowing | | Shut In | | Open Time | Cush Amt |
|----------------|------|------|-------------|-------|---------|-------|---------|-------|-----------|----------|
| | | | Init. | Final | Init. | Final | Init. | Final | | |
| 0001 DST | 1239 | 1240 | | | | | | | | |
| 0002 DST | 1248 | 1248 | | | | | | | | |
| 0003 DST | 1248 | 1248 | | | | | | | 24H | |

| Test Amount | Unit | Desc | Pipe Recovery | | |
|-------------|-------|------|---------------|------|------|
| | | | Amount | Unit | Desc |
| 0001 | 1 BBL | ZW | | | |
| 0002 | 1 BBL | ZW | | | |
| 0003 | 1 BBL | ZW | | | |

----- Casing Data -----

| | | |
|--------|-------|--------|
| Size | Depth | Cement |
| 10 3/4 | 625 | |
| 8 1/4 | 1036 | |

----- Actual Bottom Hole From Surface Location -----

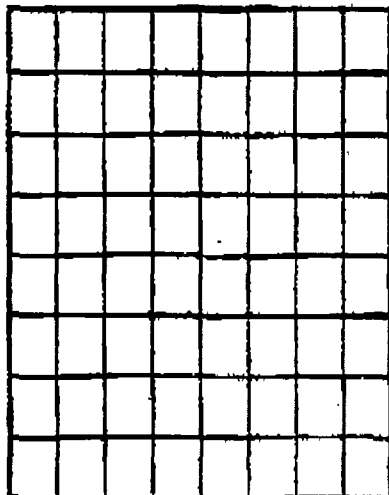
| | | | | | | |
|-------|-----------|------------|---------|-----|-------|--------|
| Meas | True Vert | Closure | N/S | E/W | State | County |
| Depth | Depth | Ft Deg Min | Footage | | Code | Code |

----- Actual Bottom Hole Narrative -----

----- Drilling Narrative -----

| | |
|------|---------|
| Date | Remarks |
|------|---------|

Form 9-120



U. S. LAND OFFICE Las Cruces

SERIAL NUMBER 055442 (C)

LEASE OR PERMIT TO PROSPECT _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Albert E. Addison Address Fort Worth, Texas

Lessor or Tract _____ Field Compton State New Mexico

Well No. 1 Sec. 5 T. 18S R. 97 E Meridian N.M.P. County Eliz.

Location 330 ft. of Line and 1850 ft. of Line of _____ Elevation 3459
(Check this relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed Melvin Barrington

Date Sept 30, 1938 June, 24, 1939 Title Agent

The summary on this page is for the condition of the well at above date.

Commenced drilling Sept 30, 1938 Finished drilling April 27, 1939

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1242 ft to 1244 ft O+W No. 4, from _____ to _____

No. 2, from _____ to _____ No. 5, from _____ to _____

No. 3, from _____ to _____ No. 6, from _____ to _____

OR THIS WELL OF IMPORTANT WATER SANDS TO 3 1/2 BPS DEE SEA
No. 1, from _____ to _____ No. 3, from _____ to _____

No. 2, from 971 DEE SEA TO 994 DEE SEA TO 1000 DEE SEA
No. 4, from _____ to _____

CASING RECORD

| Casing | Weight per foot | Threads per inch | Make | Amount | Kind of shoe | Cut and pulled from | Purported | | Purpose |
|---------------------------|-----------------|------------------|------|------------|----------------------|---------------------|-----------|-----|---------|
| | | | | | | | From— | To— | |
| <u>10</u> | <u>40</u> | <u>8</u> | | <u>625</u> | <u>Texas pattern</u> | | | | |
| HYDRAULIC OIL OR GAS WELL | | | | | | | | | |

MUDDING AND CEMENTING RECORD

| Casing | Where set | Amount sacks of cement | Method used | Mud gravity | Amount of mud used |
|--------------|-------------|------------------------|--------------------|-------------|-------------------------|
| <u>10</u> | <u>625</u> | <u>None</u> | <u>plug system</u> | | <u>2 tons of clay</u> |
| <u>8 1/2</u> | <u>1036</u> | <u>None</u> | <u>plug system</u> | | <u>2 tons clay</u> |
| | | | | | <u>1,000 of aquigel</u> |

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

FOLD MARK

ATTACHMENT VI
Well Information and Downhole Schematics
Plugged and Abandoned Wells within Area of Review
Devon Energy Corporation
West Red Lake Waterflood Project

JUL 16 1997

Well Name: Vandergriff #4

Location: Section B-18S-27E (11650' FWL and 2310' FWL)

Operator (at time of plugging): J. E. Simon

Date Plugged: 5/49

Information Obtained From: Scout Report, PI Well Report

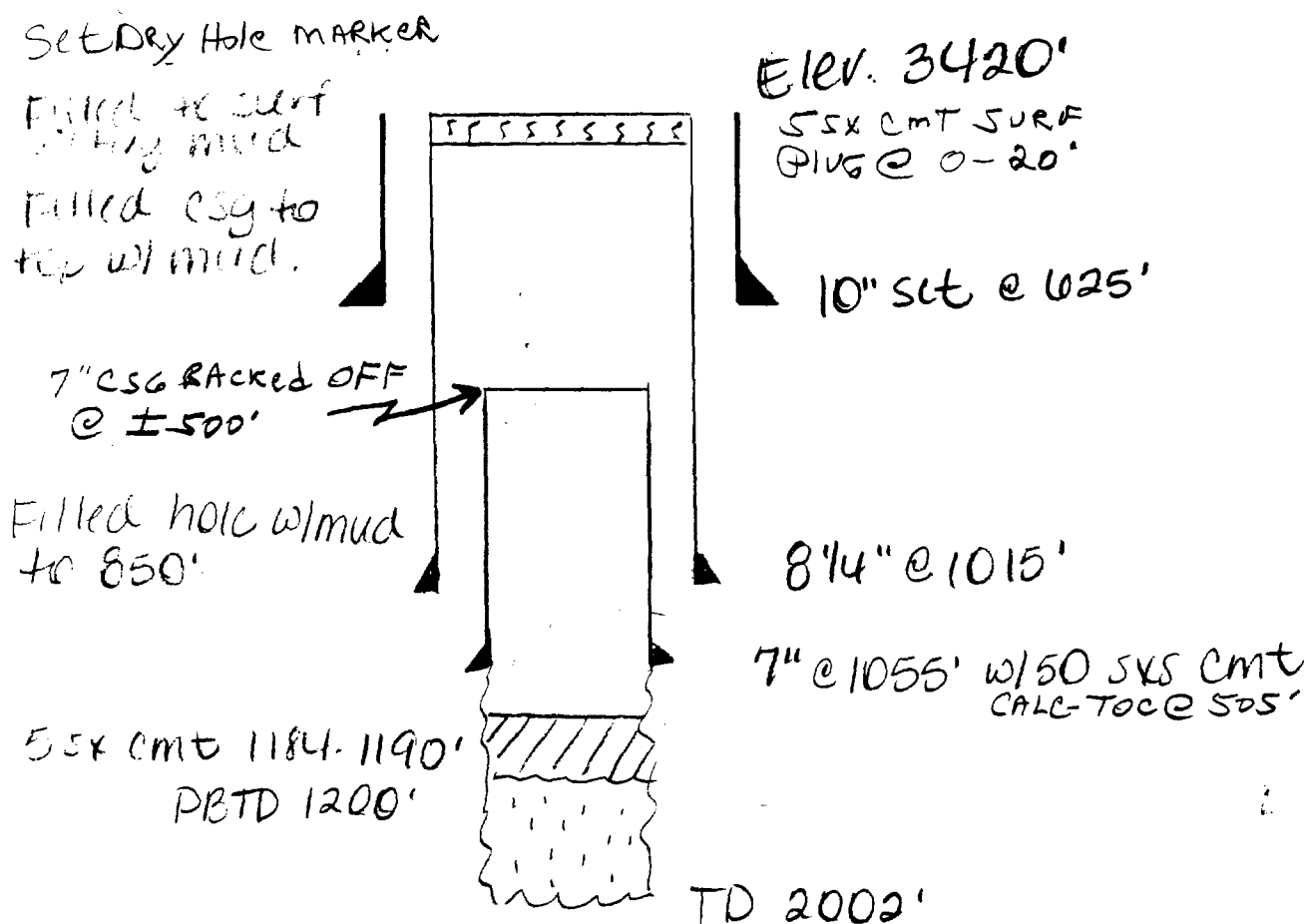
Comments:

Spud 4-4-49, was drilled and abandoned.
Completed 5-11-49. (Plugged and abandoned)

See below and attached for plugging info.

Plugging Info:

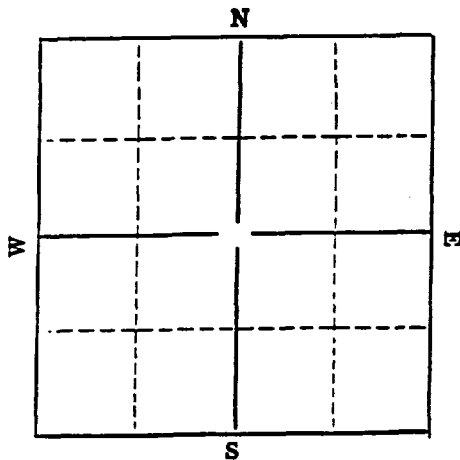
Downhole Schematic:



30-015-00831

SCOUT REPORT

NEW MEXICO OIL CONSERVATION COMMISSION



AMOUNT CASING & CEMENTING RECORD

| Size | Feet | Sax Cement |
|------|------|---------------|
| 7" | 1055 | 50 |
| | | |
| | | |
| | | |

Company J. E. Simon Pool Red Lake Dist 8
 Farm Name Vandergriff Well No. 4
 Sec. 8 Twp. 18 Range 27 County Eddy
 Feet from Line: 1650 N. S. E. 2310 W.
 Elevation 3420 Method
 Contractor Land Y-N
 Spudded 4/9/49 Completed 5/1/49

ACID RECORD Gals.

| | | |
|---------|----|--------|
| | TA | TSA |
| | TX | TGI |
| | BX | TTu |
| | TY | TPenn |
| | TQ | TEll |
| | TG | TGr. W |
| | | TGr. |
| Top Pay | | |

SHOOTING RECORD

TUBING RECORD

| | | |
|--------------------------|------------------|----------------|
| No. of Quarts <u>100</u> | From <u>1180</u> | To <u>1200</u> |
| No. of Quarts | From | To |
| <u>S/ 0 1182-87 S/</u> | | <u>S/</u> |
| <u>S/</u> | <u>S/</u> | <u>S/</u> |
| <u>S/</u> | <u>S/</u> | <u>S/</u> |

PACKER

| Date | | Date | |
|--------|----------------------------|------|----------------------|
| APR 6 | <u>Full</u> | | <u>Built 1/2 day</u> |
| APR 13 | <u>200' 70</u> | | |
| APR 18 | <u>610 li</u> | | |
| APR 27 | <u>170 1041 li Pumping</u> | | |
| MAR 4 | <u>1155-4</u> | | |
| MAY 11 | <u>70 1215</u> | | |
| | <u>02 1200</u> | | |
| MAY 18 | <u>70 1215</u> | | |
| | <u>02 1200</u> | | |
| | <u>1000 1200</u> | | |

petroROM Well Report
Copyright 1996 by Petroleum Information Corporation

----- General Information -----

| | | | |
|-------------------|-------------------|---------------------|-------------|
| State | : NMEX | Final Status | : D&A-O |
| County | : EDDY | Total Depth | : 1215 |
| Field | : RED LAKE | Spud Date YYYYMMDD: | 19490409 |
| Operator Name | : SIMON JULIAN E | Comp Date YYYYMMDD: | 19490511 |
| Well Number | : 4 | Hole Direction | : VERTICAL |
| Lease Name | : VANDAGRIFF | | |
| API Number | : 30015008310000 | | |
| Section or Equiv | : SEC 8 | Init Lahee Class | : D |
| Township | : S018 | Final Lahee Class | : D |
| Range | : E027 | Permit Number | : |
| Spot | : | Elevation | : 3420 (ES) |
| Base Meridian | : NEW MEXICO (21) | | |
| Geologic Province | : PERMIAN BASIN | | |
| Formation at TD | : | | |
| Oldest Age Pen | : | | |

Producing Formation:

----- Additional Location Information -----

Footage Location : 1650FNL 2310FWL SEC LN
Location Narrative:

| | | | |
|-----------|-------------|-----------------|---|
| Latitude | : 32.76492 | Latitude (Bot) | : |
| Longitude | : 104.30091 | Longitude (Bot) | : |

Latitude & Longitude Source: USGS

----- Production Tests -----

| Test Form | Top | Base | Oil Rate | Gas Rate | Wtr Rate | FTP | BHP | Ck | M | BHT |
|-----------|------|------|----------|----------|----------|-----|-----|----|---|-----|
| 0001 | 1056 | 1200 | 63 GO | | | | | | | B |

PDT Treatment

| Test | Top | Base | Volume Meas | Amount | T/P | PSI | Inj | Type | Nbr | Agent | Add |
|------|------|------|-------------|--------|-----|-----|-----|------|-----|-------|-----|
| 0001 | 1180 | 1201 | 100 QTS | | | | | XPLO | | | |

----- Casing Data -----

| | | |
|------|-------|--------|
| Size | Depth | Cement |
| 7 | 1056 | 50 |

----- Actual Bottom Hole From Surface Location -----

| Meas | True Vert | Closure | N/S | E/W | State | County |
|-------|-----------|------------|---------|-----|-------|--------|
| Depth | Depth | Ft Deg Min | Footage | | Code | Code |

----- Actual Bottom Hole Narrative -----

----- Drilling Narrative -----

| Date | Remarks |
|------|---------|
|------|---------|

Form 9-581a
(March 1962)

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYBudget Bureau No. 43-848
Approval expires 11-30-62Land Office **Las Cruces**Lease No. **070678**Unit **I**

SUNDRY NOTICES AND REPORTS ON WELLS

| | | |
|--|--|----------|
| NOTICE OF INTENTION TO DRILL | SUBSEQUENT REPORT OF WATER SHUT-OFF | |
| NOTICE OF INTENTION TO CHANGE PLANS | SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING | |
| NOTICE OF INTENTION TO TEST WATER SHUT-OFF | SUBSEQUENT REPORT OF ALTERING CASING | |
| NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL | SUBSEQUENT REPORT OF REDRILLING OR REPAIR | |
| NOTICE OF INTENTION TO SHOOT OR ACIDIZE | SUBSEQUENT REPORT OF ABANDONMENT | X |
| NOTICE OF INTENTION TO PULL OR ALTER CASING | SUPPLEMENTARY WELL HISTORY | |
| NOTICE OF INTENTION TO ABANDON WELL | | |

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

May 12th, 1949

19

Vandagriff A

Well No. **46** is located **1650** ft. from **[N]** line and **2320** ft. from **[W]** line of sec. **8**

Section 8

18-South, 27-East

T.M.P.M.

(4 Sec. and Sec. No.)

(Twp.)

(Range)

(Meridian)

Empire Red Lake

Edgy

New Mexico

(Field)

(County or Subdivision)

(State or Territory)

The elevation of the derrick floor above sea level is _____ ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

As per my conversation with Mr. Frost, we plugged back to 1200', ran 5 sacks of cement, protecting the oil pay from 1184' to 1190', filled the hole with mud to 850'; knucked off 7" casing, filled casing to top with mud; pulled casing and filled to surface with heavy mud. Set regulation marker with 5 sacks of cement.

U. S. GEOLOGICAL SURVEY
RECEIVED

JUN 10 1949

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company **JULIAN E. SIMON**Address **5 Mildred Hudson****Artesia Hotel Bldg.,****Artesia, New Mexico**By **[Signature]**

Agent.

Title _____

New Mexico

A. W. Adkisson, Operator

Bratnard Lease

Well #1 (Dry hole)

Location: Center of SW $\frac{1}{4}$
of SW $\frac{1}{4}$ of SE $\frac{1}{4}$ of Sec. 5

R-87-E, T-18-S

Elev. 3477'

| | |
|--|--|
| 0 | |
| 20 Lime | 1303 lime, water |
| 23 Shale | 1302 hard lime |
| 36 Lime | 1308 lime, red rock |
| 90 Red Shale | 1315 sandy lime |
| 100 lime & Anhy, water | 1323 lime-anhy. |
| 139 lime & gyp. HFV | 1338 sandy lime |
| 176 Anhy. & gyp | 1360 lime-anhydrite |
| 183 Blue shale | 1374 lime-anhydrite |
| 213 gyp | 1423 lime |
| 269 lime & anhydrite | 1432 lime-anhy. |
| 301 anhy. & gyp | 1437 lime-anhydrite |
| 315 lime & anhydrite | 1445 blue lime |
| 318 shale & anhydrite | 1450 crystallite lime |
| 325 lime, hard | 1471 lime |
| 346 gyp | 1477 lime anhydrite |
| 395 anhy., hard | 1502 grey lime |
| 430 gyp & anhy. | 1577 grey lime-little anhy. in last ft. |
| 435 lime & red bed | 1521 lime-anhy. |
| 463 anhydrite | 1541 lime |
| 535 red shale & anhy | 1546 lime-anhy. |
| 559 anhydrite | 1560 lime-small amount of gas |
| 582 red shale & anhy. | 1613 mixed lime |
| 600 gyp & anhydrite | 1635 lime |
| 612 gyp & red shale | 1659 lime (very hard) |
| 625 gyp & anhydrite | 1712 lime |
| (625' 10" casing) | 1720 sandy lime |
| 630 blue shale | 1723 lime-hard |
| 713 gyp, broken | 1897 lime |
| 725 blue sandy shale | (At 1890 baled hole 35 inches oil & water) |
| 763 sandy shale & gyp | 1945 lime (April 23, 1939 drilling ahead) |
| 813 red shale & gyp | 1950 lime |
| 819 red shale | 1972 sandy lime |
| 873 red shale & gyp | 1983 lime |
| 903 anhydrite | 2002 lime R.D. - Dry |
| 913 red sand (started underdigging 8") | |
| 922 red sandy shale & gyp | |
| 950 sand | |
| 962 red shale | |
| 971 lime, broken | |
| 994 red shale & sand | |
| 1027 lime | |
| 1031 sand & lime | |
| 1046 lime | |
| 1053 sandy lime | |
| 1063 lime | |
| 1082 lime | |
| 1100 red rock & lime | |
| 1107 lime & anhydrite | |
| 1123 lime | |
| 1133 sandy lime | |
| 1142 sand | |
| 1147 sand & gyp | |
| 1159 sandy lime & gyp | |
| 1173 lime & red rock | |
| 1198 lime | |
| 1204 lime & red rock | |
| 1225 lime, hard | |

T. D. Drt

Pipe: 8 $\frac{1}{2}$ " set at 1015' 2"
 8 $\frac{1}{2}$ " underreamed 1036'
 10" set at 625'
 (put heavy mud back of pipe)
 Also 1000# of aquegel

301 anhy. & gyp
 315 lime & anhydrite
 318 shale & anhydrite
 325 lime, hard
 346 gyp
 395 anhy., hard
 430 gyp & anhy.
 455 lime & red bed
 468 anhydrite
 535 red shale & anhy
 559 anhydrite
 582 red shale & anhy.
 600 gyp & anhydrite
 612 gyp & red shale
 625 gyp & anhydrite
 (625' 10" casing)
 630 blue shale
 713 gyp, broken
 725 blue sandy shale
 753 sandy shale & gyp
 813 red shale & gyp
 819 red shale
 873 red shale & gyp
 903 anhydrite
 913 red sand (started underdigging 8")
 922 xst sandy shale & gyp
 950 sand
 962 red shale
 971 lime, broken
 994 red shale & sand
 1027 lime
 1031 sand & lime
 1046 lime
 1053 sandy lime
~~1061 lime~~
 1082 lime
 1100 red rock & lime
 1107 lime & anhydrite
 1123 lime
 1133 sandy lime
 1142 sand
 1147 sand & gyp
 1159 sandy lime & gyp
 1175 lime & red rock
 1198 lime
 1204 lime & red rock
 1225 lime, hard
 1227 sandy lime
 1237 lime, hard
 1239 sand, seam of oil & water
 1240 lime shale
 1242 sand, live oil show
 1244 lime
 (1241 to 1243 bailed water)
 1246 sandy lime
 1248 lime
 1250 sandy lime
 1253 sandy lime
 1260 lime, hard
 1264 sandy lime
 1267 sand
 1284 lime sand

~~lime & anhydrite~~
 1437 lime-anhydrite
 1445 blue lime
 1450 crystallite lime
 1471 lime
 1477 lime anhydrite
 1502 gray lime
 1577 gray lime-little anhy. in last ft.
 1521 lime-anhy.
 1541 lime
 1546 lime-anhy.
 1560 lime-small amount of gas
 1613 mixed lime
 1655 lime
 1659 lime (very hard)
 1712 lime
 1720 sandy lime
 1723 lime-hard
 1897 lime
 (At 1880 bailed hole 35 inches oil & water)
 1948 lime (April 25, 1939 drilling ahead)
 1952 lime
 1972 sandy lime
 1983 lime
 2002 lime R.D. - Dry

T. D. Dri

Pipe: 8 $\frac{1}{2}$ " set at 1015' 2"
 8 $\frac{1}{2}$ " underreamed 1036'
 10" set at 625'
 (put heavy mud back of pipe)
 Also 1000# of squegel

ATTACHMENT VI
Well Information and Downhole Schematics
Plugged and Abandoned Wells within Area of Review
Devon Energy Corporation
West Red Lake Waterflood Project

16 577

Well Name: Brainard #6

Location: Section 5 -18S-27E (660' FSL + 330' FEL)

Operator (at time of plugging): RD Compton

Date Plugged: 7/34

Information Obtained From: School of mines - Well Log Div, PI Report

Comments:

Spud 1-23-34. well was drilled and abandoned.

(see below and attached for plugging info.)

Downhole Schematic:

plugging info

filled w/ mud 200' - surf

5 5/8" cmt plug
@ 152' - 200'
pulled 5 1/4" csg
+ filled w/ mud
to 200'

3498'

12 1/2" @ 235'

10" @ 586'

8 1/4" @ 1097'

(pulled and filled
w/ mud to 200')

6 5/8" @ 1324'

5 5/8" cmt plug
@ 1250' - 1280'

TD 1931'

30-015-00784

NEW MEXICO SCHOOL OF MINES

STATE BUREAU OF MINES AND MINERAL RESOURCES

SOCORRO, NEW MEXICO

NEW MEXICO WELL LOG DIVISION

COUNTY Eddy

FIELD

COMPANY R. D. Compton

LEASE Brainerd

No. 6 Well

LOCATION (1/4) E SE SE

SEC. 5 T. 18S. R. 27E

CASING RECORD
Diam., in. Bottom
ELEVATION 3498
INITIAL DAILY PRODUCTION:

FEET

12 1/4" 235'
10" 586'
8 1/2" 1097'
6-5/8" 1324'

Open
Open
Tbg.
Tbg.

bbls. Oil
cu. ft. Gas
bbls. Oil
cu. ft. Gas

COMMENCED 1-23-34
COMPLETED 7-11-34
ABANDONED
REMARKS: D & A

660 feet from south line and
330 feet from east line of Section

| FORMATION | BOTTOM, FEET | FORMATION | BOTTOM, FEET |
|-------------------------|--------------|-------------------------------|--------------|
| Red bed | 10 | Blue shale | 350 |
| Hard white gyp | 15 | Grey gyp | 360 |
| Red bed | 25 | Red bed | 365 |
| White gyp | 30 | Grey gyp | 375 |
| Red bed | 35 | Hard grey gyp | 380 |
| White gyp | 40 | White gyp, SO. 85-90' | 385 |
| Red bed | 45 | Grey gyp and grey sandy shale | 390 |
| White gyp | 50 | White and grey gyp, soft | 395 |
| Red bed | 55 | White gyp | 405 |
| White gyp | 65 | Grey gyp | 410 |
| Red bed | 70 | Brown lime, gas 15-20' | 415 |
| White gyp | 95 | Grey lime | 418 |
| Light grey gyp | 100 | Grey gyp | 430 |
| Red bed | 105 | Blue shale | 434 |
| Hard white gyp | 110 | White gyp, soft | 440 |
| Grey lime | 115 | Red bed | 443 |
| Grey gyp | 125 | Grey gyp | 458 |
| Hard grey lime | 130 | Brown sandy lime | 465 |
| White gyp | 140 | Brown lime | 470 |
| Red bed | 145 | Grey gyp | 475 |
| White gyp | 157 | Red bed and white gyp | 480 |
| Gyp and lime | 160 | Red bed, grey and white gyp | 485 |
| White gyp, hard | 170 | Grey gyp | 498 |
| White gyp and red bed | 175 | Grey sandy lime | 500 |
| White gyp, wtr. 160-80' | 190 | Blue shale, S.O. | 502 |
| Gyp and red bed | 195 | Grey and white gyp | 508 |
| White and grey gyp | 200 | Red bed, wtr. | 526 |
| Red bed | 203 | Grey and white gyp | 539 |
| Grey gyp and wtr. | 210 | Grey and white gyp | 543 |
| Grey gyp | 220 | and red bed | 558 |
| Gyp and sand, sul. wtr. | 225 | Red bed | 562 |
| Gyp mud | 230 | Red bed and blue shale | 565 |
| Grey gyp | 252 | Gyp and blue shale | 570 |
| White and grey gyp | 259 | Gyp, red bed and shale | 578 |
| Grey gyp | 270 | Grey gyp | 580 |
| White gyp, soft | 275 | Grey gyp and blue shale | 582 |
| Brown gyp | 280 | Grey gyp | 584 |
| Grey gyp | 295 | Red bed | 586 |
| Gyp and shale | 305 | Grey and white gyp | 588 |
| White and grey gyp | 327 | White gyp | 590 |
| Dark gyp | 332 | Red bed and blue shale | 610 |
| Grey gyp | 340 | White gyp | |
| White gyp | 345 | | |

STATE BUREAU OF MINES AND MINERAL RESOURCES

COUNTY

Eddy

SOCORRO, NEW MEXICO

NEW MEXICO WELL LOG DIVISION

FIELD

COMPANY R. D. Compton

LEASE Brainerd

No. 6 Well

LOCATION (1/4)

SEC. 5 T. 18S R. 27E

feet from

line and

feet from

line of Section

CASING RECORD

Diam., in. Bottom

ELEVATION

FEET

INITIAL DAILY PRODUCTION:

Open

bbis. Oil

COMMENCED

Open

cu. ft. Gas

COMPLETED

Tot.

bbis. Oil

ABANDONED

Tot.

cu. ft. Gas

REMARKS:

| FORMATION | BOTTOM, FEET | FORMATION | BOTTOM, FEET |
|--------------------------------------|--------------|--------------------------------|--------------|
| Red bed | 612 | Gyp | 968 |
| Grey gyp | 627 | White sand and red sandy gyp | 974 |
| Red bed | 630 | Pink sandy gyp | 980 |
| Grey and pink gyp | 635 | Red sand | 987 |
| Red bed | 640 | Red sand and gyp | 995 |
| Brown sand, white gyp and blue shale | 647 | Red sand | 1060 |
| Red rock | 650 | Grey lime | 1075 |
| Brown sand and grey gyp | 665 | Brown shale | 1085 |
| White and dark grey lime | 672 | Pink shale | 1095 |
| Grey gyp and red bed | 680 | Brown lime | 1097 |
| Brown gyp | 685 | Grey lime | 1123 |
| Blue sandy gyp | 690 | Brown lime | 1125 |
| Blue sand, 1 BWPH 690-95' | 695 | Pink and grey lime | 1135 |
| Red bed | 700 | Grey lime | 1158 |
| Red sand | 708 | Pink and grey lime | 1169 |
| Blue sandy shale and red sand | 713 | Grey lime | 1181 |
| Red sand | 718 | Lime | 1187 |
| Pink gyp, inc. wtr. 720-25' | 725 | White sand and grey lime | 1193 |
| Pink gyp and red sand | 730 | White sand | 1199 |
| Grey, white, brown and pink gyp | 755 | Grey sandy lime | 1205 |
| Dark brown gyp and blue shale | 761 | Brown sandy lime | 1210 |
| Grey gyp, inc. wtr. | 767 | Brown lime | 1222 |
| Red bed and blue shale | 770 | Grey lime | 1234 |
| Grey and brown gyp | 775 | Sandy lime | 1251 |
| Brown gyp | 780 | Grey sandy lime, skip to 1333' | 1255 |
| Grey and pink gyp | 787 | White lime | 1333 |
| Grey lime | 792 | Grey lime | 1351 |
| Brown and grey gyp | 795 | Grey and pink lime | 1369 |
| Grey and pink gyp | 800 | White lime | 1378 |
| Brown gyp | 805 | Light brown lime | 1381 |
| Grey gyp | 810 | White lime, hard | 1388 |
| Grey and pink gyp | 815 | Light grey lime | 1393 |
| Grey gyp | 832 | White lime | 1402 |
| Grey and pink gyp | 839 | Grey lime | 1416 |
| Gyp and red bed | 846 | White lime, hard | 1418 |
| Gyp | 889 | Grey lime | 1482 |
| Gyp and red shale | 896 | Brown lime | 1485 |
| Gyp | 926 | Grey lime | 1490 |
| Blue sandy shale | 932 | Grey and brown lime | 1496 |
| Water sand | 937 | Grey lime | 1510 |
| White sand | 962 | White lime | 1512 |
| | | Grey lime | 1584 |

NEW MEXICO SCHOOL OF MINES
STATE BUREAU OF MINES AND MINERAL RESOURCES
SOCORRO, NEW MEXICO
NEW MEXICO WELL LOG DIVISION

(Page 3)

COUNTY **Eddy**
FIELD
COMPANY **R. D. Compton**
LEASE **Brainerd** No. **6** Well
LOCATION (1/4)
SEC. **5** T. **18S** R. **27E**

CASING RECORD

Diam. in. Bottom

ELEVATION

INITIAL DAILY PRODUCTION

FEET

Open bbls. Oil
Open cu. ft. Gas
Test bbls. Oil
Test cu. ft. Gas

COMMENCED
COMPLETED
ABANDONED
REMARKS:

feet from line and
feet from line of Section

FORMATION BOTTOM, FEET FORMATION BOTTOM, FEET

Dark lime 1595
Gray and brown lime, soft 1600
Gray and brown lime 1603
Dark gray lime, rainbow oil 1630
Dark gray lime, hard 1635
Brown lime 1668
Brown lime, very hard 1671
Dark gray lime 1708
Brown lime 1708
Black lime 1722
Brown lime 1727
Dark lime 1744
Brown sandy lime 1820
Dark gray lime, Gas 1825
1820-281 & M 1850
Soft brown lime 1851
Medium brown lime 1864
Soft brown lime 1889
Hard brown lime 1919
Dark gray lime, soft 1931
Soft gray lime, SO-1931
TD 1931
Skip 1265-1333
Hard gray lime 1265
White sand 1267
Pink and grey lime 1275
Oil sand 1280
Brown lime 1281
White sandy lime 1285
Grey and white lime 1330

----- Actual Bottom Hole From Surface Location -----

| Meas | True Vert | Closure | N/S | E/W | State | County |
|-------|-----------|------------|---------|-----|-------|--------|
| Depth | Depth | Ft Deg Min | Footage | | Code | Code |

----- Actual Bottom Hole Narrative -----

----- Drilling Narrative -----

| Date | Remarks |
|------|---------|
|------|---------|

Form 9-331a
(Feb., 1933)

COPY RETAINED ROSWELL

U.S. Land Office

1023874-A

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

JUL 1 1934

Lease

023874-A

NOTE

JUL 7 1934

SUNDRY NOTICES AND REPORTS ON WELLS

| | | |
|--|---|--|
| NOTICE OF INTENTION TO DRILL | SUBSEQUENT RECORD OF SHOOTING | |
| NOTICE OF INTENTION TO CHANGE PLANS | RECORD OF PERFORATING CASING | |
| NOTICE OF DATE FOR TEST OF WATER SHUT-OFF | NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING | |
| REPORT ON RESULT OF TEST OF WATER SHUT-OFF | NOTICE OF INTENTION TO ABANDON WELL | |
| NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL | SUBSEQUENT REPORT OF ABANDONMENT | |
| NOTICE OF INTENTION TO SHOOT | SUPPLEMENTARY WELL HISTORY | |

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

7/5/

1934

Following is a ~~notice of intention to do work~~ ~~report of work done~~ on land under ~~lease~~ ~~XXXX~~ described as follows:

New Mexico. Eddy Compton.
(State or Territory) (County or Subdivision) (Field)
 Well No. 6 SECR 5 18S 27E. N.M.P.M.
(Of Sec. and Sec. No.) (Twp.) (Range) (Meridian)

The well is located 660 ft. N of S line and 330 ft. E of E line of sec. 5

The elevation of the derrick floor above sea level is _____ ft.

DETAILS OF PLAN OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casing; indicate mudding jobs, cementing points, and all other important proposed work.)

Hole was drilled to 1931'

Fill to fill from bottom of hole to bottom of 6-5/8 casing set at 1315', with mud and build bridge and cement at 1350' with five sacks of cement.

Then pull 6-5/8 and fill to 1100' with mud and pull 8 1/2" casing and fill with mud to a depth of 200' and cement with five sacks of cement then fill to surface with mud and erect the regulation marker.

Then fill file Supplementary Well History.

Approval Conditioned on:

1. Immediately submit two copies on the log on form 9-330.
2. Set bridge at 1280 feet and cement with 5 sacks.
3. Upon completion of work submit subsequent report of abandonment for approval.

Approved July 9, 1934.

(Date)

Supervisor Oil & Gas Operations

Title J. C. Taylor, Engineer.

GEOLOGICAL SURVEY

Address Roswell, New Mexico.

Company R.D. Compton Oil Co.

By R.D. Compton

Title President

Address Artesia N.M.

NOTE.—Reports on this form to be submitted in triplicate to the Supervisor for approval.

DEPARTMENT OF THE INTERIOR 6-7285

petroROM Well Report
Copyright 1996 by Petroleum Information Corporation

----- General Information -----

| | | | |
|-------------------|----------------------|---------------------|------------|
| State | : NMEX | Final Status | : D&A-OG |
| County | : EDDY | Total Depth | : 1931 |
| Field | : ARTESIA | Spud Date YYYYMMDD: | 19340123 |
| Operator Name | : COMPTON R D | Comp Date YYYYMMDD: | 19340710 |
| Well Number | : 6 | Hole Direction | : VERTICAL |
| Lease Name | : BRAINARD-FEDERAL A | | |
| API Number | : 30015007840000 | | |
| Section or Equiv | : SEC 5 | Init Lahee Class | : D |
| Township | : S018 | Final Lahee Class | : D |
| Range | : E027 | Permit Number | : |
| Spot | : | Elevation | : 00000 () |
| Base Meridian | : NEW MEXICO (21) | | |
| Geologic Province | : PERMIAN BASIN | | |
| Formation at TD | : | | |
| Oldest Age Pen | : | | |

Producing Formation:

----- Additional Location Information -----

Footage Location : 660FSL 330FEL SEC LN
Location Narrative:

| | | | |
|-----------|-------------|-----------------|---|
| Latitude | : 32.77122 | Latitude (Bot) | : |
| Longitude | : 104.29229 | Longitude (Bot) | : |

Latitude & Longitude Source: USGS

----- Formation Tests -----

| Test Type | Form | Top | Hydrostatic | | Flowing | | Shut In | | Open Cush | |
|-----------|------|------|-------------|-------------|-------------|-------------|-------------|------|-----------|--|
| | | | Base | Init. Final | Init. Final | Init. Final | Init. Final | Time | Amt | |
| 0001 | DST | 1278 | 1280 | | | | | | | |
| 0002 | DST | 1820 | 1825 | | | | | | | |

| Test Amount Unit Desc | | | Pipe Recovery | | | Amount Unit Desc | | |
|-----------------------|---|-------|---------------|------|------|------------------|--|--|
| | | | Amount | Unit | Desc | | | |
| 0001 | 1 | BBL O | 20 | BBL | ZW | | | |

| Test Amount Unit Type | | | | Material to Surface | | | |
|-----------------------|-----|------|-----|---------------------|--------|------|------|
| | | | | Time | Amount | Unit | Type |
| 0002 | 250 | MCFD | GAS | | | | |

----- Casing Data -----

| Size | Depth | Cement |
|--------|-------|--------|
| 12 1/2 | 235 | |
| 10 | 586 | |
| 8 1/4 | 1697 | |
| 6 5/8 | 1324 | |

Bureau of Land Management
(7-10-1934)

SEP - 1 1934

TULSA, OKLAHOMA

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Serial Number 020874

Lease or Permit Lease

AUG 10 1934

SUNDRY NOTICES AND REPORTS ON WELLS

U. S. GEOLOGICAL SURVEY
WELL, NEW MEXICO

| | | |
|---|--|----------|
| NOTICE OF INTENTION TO DRILL..... | SUBSEQUENT RECORD OF SHOOTING..... | |
| NOTICE OF INTENTION TO CHANGE PLANS..... | RECORD OF PERFORATING CASING..... | |
| NOTICE OF DATE FOR TEST OF WATER SHUT-OFF..... | NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING..... | |
| REPORT ON RESULT OF TEST OF WATER SHUT-OFF..... | NOTICE OF INTENTION TO ABANDON WELL..... | |
| NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL..... | SUBSEQUENT REPORT OF ABANDONMENT..... | I |
| NOTICE OF INTENTION TO SHOOT..... | SUPPLEMENTARY WELL HISTORY..... | |

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

8/14

19234

Following is a ~~notice of intention to work~~ ^{report of work done} on land under ~~lease~~ ^{lease} described as follows:

New Mexico

(State or Territory)

Eddy

(County or Subdivision)

Compton

(Field)

Well No. 6

SESE 1/4 - 5

(Of Sec. and Sec. No.)

18S

(Twp.)

27E

(Range)

N.M.P.N.

(Meridian)

The well is located 660 ft. ^N_E of S line and 330 ft. ^E_W of E line of sec. 5

The elevation of the derrick floor above sea level is _____ ft.

DETAILS OF PLAN OF WORK

(State nature of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudlogging jobs, cementing points, and all other important proposed work.)

6-5/8 --Pulled and Bridge built and cemented with 5 sacks cement at 1280 ft. Then 8 1/4" Pulled and filled with mud to depth of 200ft. Then cemented again with 5 sacks cement, and filled with mud to surface and a regulation marker cemented and allowed to extend above surface of ground six ft.

Field inspection 8-30-34

Approved August 31, 1934

Company R.D. Compton Oil Co. Inc.

ERNEST A. HANSON

By

Title Deputy Supervisor
GEOLOGICAL SURVEY

Title President

Address Box 591 Roswell, New Mexico

Address Artesia N. M.

NOTE—Reports on this form to be submitted in triplicate to the Supervisor for approval.

GEOLOGICAL SURVEY FORM 6-1933