

State of New Mexico
Energy, Minerals and Natural Resources Department
Oil Conservation Division

Sundry Notices and Reports on Wells

1. Type of Well

GAS

2. Name of Operator

MERIDIAN OIL

3. Address & Phone No. of Operator

PO Box 4289, Farmington, NM 87499 (505) 326-9700

4. Location of Well, Footage, Sec., T, R, M

990'FSL, 1650'FEL, Sec.3, T-29-N, R-11-W, NMPM, San Juan County

API # (assigned by OCD)

30-045-08653

5. Lease Number

Fee

6. State Oil&Gas Lease #

7. Lease Name/Unit Name

McClure

8. Well No.

1

9. Pool Name or Wildcat
Basin Fruitland Coal/
Aztec Pictured Cliffs

10. Elevation:

Type of Submission

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment

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

13. Describe Proposed or Completed Operations

It is intended to recomplete the Fruitland Coal zone of the subject well by perforating and fracture stimulating according to the attached procedure and wellbore diagram. Production from the Pictured Cliffs and Fruitland Coal will then be commingled. Application is being made to the New Mexico Oil Conservation Division for commingling and non-standard location.

RECEIVED
NOV 30 1994
OIL CON. DIV.
DIST. 3

SIGNATURE

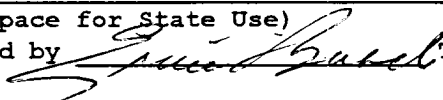


(LJB2) Regulatory Affairs

November 28, 1994

(This space for State Use)

Approved by



DEPUTY OIL & GAS INSPECTOR, DIST. #3

Title

Date

NOV 30 1994

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-1
Revised February 21, 19
Instructions on ba
Submit to Appropriate District Offi
State Lease - 4 Cop
Fee Lease - 3 Cop

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | | | | |
|----------------------------|--|------------------------------------|--|---|--------------------|
| API Number 30-045-08653 | | Pool Code 71629/71280 | | Pool Name Basin Fruitland Coal/Aztec Pictured Cliffs | |
| Property Code 7298 | | Property Name MC CLURE | | | Well Number 1 |
| OGRID No. 14538 | | Operator Name MERIDIAN OIL INC. | | | Elevation 5676' |

10 Surface Location

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| 0 | 3 | 29N | 11W | | 990 | SOUTH | 1650 | EAST | S. J. |

11 Bottom Hole Location If Different From Surface

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| | | | | | | | | | |

| | | | |
|--------------------------------|--------------------|-----------------------|--------------|
| 12 Dedicated Acres E/305.47 | 13 Joint or Infill | 14 Consolidation Code | 15 Order No. |
|--------------------------------|--------------------|-----------------------|--------------|

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

| | | |
|---|---|--|
| <p>16 *Not resurveyed, prepared from a plat by E.J. Coel. Dated 4-15-53</p> <p>RECEIVED NOV 30 1994 OIL CON. DIV. DIST. 3</p> | <p>17 OPERATOR CERTIFICAT</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Peggy Bradfield</i> Signature Peggy Bradfield Printed Name Regulatory Affairs Title 11-23-94 Date</p> | |
| | <p>18 SURVEYOR CERTIFICAT</p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>11-17-94 Date of Survey Signature and Seal of Professional Surveyor: <i>Henry C. Edwards</i> Certificate Number 8837</p> | |
| | <p>1650'</p> <p>990'</p> | |
| | | |

McCLURE #1
SE/4 Section 3 T29N R11W
Recommended Completion Procedure

1. Test rig anchors and repair if necessary. Install 1-400 bbl frac tank on location and fill with 2% KCl water. Filter all water to 25 microns. Heat water as required by weather.
2. MOL and RU. Comply to all NMOCD, BLM and MOI rules and regulations. Hold safety meeting. ND wellhead. NU BOP. Test operation of rams. NU two relief lines.
3. TOOH laying down 2030' of 1" tubing, tally and inspect.
4. TIH with 2-3/8" tubing and 4-3/4" bit and clean out to TD at 2034'. TOOH.
5. TIH with 2-3/8" tubing, 5-1/2" casing scraper and 4-3/4" bit and clean out to 1971'. Load hole with 2% KCl water. TOOH.
6. RU and RIH with CNL-CCL-GR and log from 1971' to surface.
7. RIH and wireline set 5-1/2" CIBP at 1968'. Correlate with CNL-CCL-GR to ensure CIBP is set between PC and basal FTC. Load hole with 2% KCl water. TOOH.
8. Run CBL from CIBP at 1968' to surface. If CBL appears inadequate, re-run log with 500 psi surface pressure. If bond still appears unacceptable, contact production engineering. Send copy of CBL to production engineering and drilling.

***** LOWER COAL *****

9. TIH with 5-1/2" fullbore packer and 2-3/8" tubing and set packer at 1878'. Load hole with 2% KCl water and test CIBP and casing to 3500 psi for 15 minutes. Test tubing / casing annulus to 500 psi for 15 minutes. Equalize pressure and unseat packer. TOOH.
10. RU wireline and perforate the following coal interval with a Select Fire 3-1/8" HSC with 10.0 gram charges, 0.30 holes at 2 SPF (correlate depths to CNL-CCL-GR log). Prior to perforating, review with production engineering.

1928' - 1934'

1941' - 1947'

Total: 12 feet: 24 holes

11. TIH with 5-1/2" fullbore packer on 2-7/8" buttress tubing frac string and set packer at 1878'.
12. RU treatment company for frac. Hold safety meeting with all personnel. Pressure test surface lines to 5000 psi. Pump 200 gals. of 15% HCl ahead of frac. Fracture treat procedure will be available prior to treatment. Tag sand with 0.4 mCi/1000# of Ir-192 tracer. Flush with 9 bbls of 2% KCl water. **MAXIMUM PRESSURE IS LIMITED TO 3500 PSI!** Monitor backside and braden head pressures during frac. Monitor bottomhole and surface treating pressure, rate, foam quality and sand concentration with computer van. Frac during daylight only.

McCLURE #1
SE/4 Section 3 T29N R11W
Recommended Completion Procedure
Page 2

13. SI well for 2 hours for gel break.
14. After gel break, open well through choke manifold and monitor flow. Flow at 20 bbls/hr, or less if sand is observed.
15. When well ceases to flow, TOOH with 2-7/8" tubing and packer.
16. TIH with 2-3/8" tubing and notched collar and clean out to 1968'. TOOH.
17. TIH and set 5-1/2" RBP at 1840' with wireline.
18. Refill 400 bbl frac tank with 2% KCl water and filter to 25 microns. Heat water as required by weather.

***** UPPER COAL *****

19. TIH with 5-1/2" fullbore packer and 2-3/8" tubing and set packer at 1696'. Load hole with 2% KCl water and test RBP and casing to **3500 psi** for 15 minutes. Test tubing / casing annulus to 500 psi for 15 minutes. Equalize pressure and unseat packer. TOOH.
20. RU wireline and perforate the following coal interval with a Select Fire 3-1/8" HSC with 10.0 gram charges, 0.30 holes at 2 SPF (correlate depths to CNL-CCL-GR log). Prior to perforating, review with production engineering.

1746' - 1756'
1812' - 1820'

Total: 18 feet: 36 holes

21. TIH with 5-1/2" fullbore packer on 2-7/8" buttress tubing frac string and set packer at 1696'.
22. RU treatment company for frac. Hold safety meeting with all personnel. Pressure test surface lines to 5000 psi. Fracture treat procedure will be available prior to treatment. Tag sand with 0.4 mCi/1000# of Ir-192 tracer. Flush with 8 bbls of 2% KCl water. **MAXIMUM PRESSURE IS LIMITED TO 3500 PSI!** Monitor backside and braden head pressures during frac. Monitor bottomhole and surface treating pressure, rate, foam quality and sand concentration with computer van. Frac during daylight only.
23. SI well for 2 hours for gel break.
24. After gel break, open well through choke manifold and monitor flow. Flow at 20 bbls/hr, or less if sand is observed.
25. When well ceases to flow, TOOH with 2-7/8" tubing and packer.

McCLURE #1
SE/4 Section 3 T29N R11W
Recommended Completion Procedure
Page 3

26. TIH with 2-3/8" tubing and retrieving head and clean out upper zone until sand flow stops. Take Pitot gauge before releasing BP. Release RBP set at 1840' and TOOH.
27. TIH with 2-3/8" tubing and notched collar and clean out coal until sand flow stops. Take Pitot gauge. TOOH.
28. RU wireline and run After - Frac log from 1968' to top of tracer activity.
29. TIH with 1948' of 2-3/8" tubing with standard seating nipple one joint off bottom and pump-off plug on bottom. Land tubing string.
30. ND BOP and NU independent wellhead. Pump off plug. Take final Pitot gauge. Rig down and release rig.
31. Will move back on location and drill CIBP set at 1968' when appropriate regulatory approval is received.

Approve:

P. W. Bent

VENDORS:

| | | |
|--------------|-------------|----------|
| Wireline: | Petro | 325-6669 |
| Fracturing: | Western | 327-6222 |
| R.A. tagging | Protechnics | 326-7133 |

LJB

Pertinent Data Sheet - McClure #1

Location: 990' FSL, 1650' FEL, Unit O, Section 03, T29N, R11W: San Juan County, New Mexico

Field: Aztec Pictured Cliffs

Elevation: 5674' GR

TD: 2034'

PBTD: 2034'

Spud Date: 06-03-53

Completed: 07-04-53

DP #: 48589A

Casing Record:

| <u>Hole Size</u> | <u>Csg Size</u> | <u>Wt. & Grade</u> | <u>Depth Set</u> | <u>Cement</u> | <u>Top/Cement</u> |
|------------------|-----------------|------------------------|------------------|---------------|-------------------|
| 13 3/4" | 9 5/8" | 25.4# SW | 133' | 125 sxs | Circ/Surface |
| 7 7/8" | 5 1/2" | 17.0# J-55 | 1971' | 150 sxs | TOC @ 1103' TS |

Tubing Record:

| <u>Tbg Size</u> | <u>Wt. & Grade</u> | <u>Depth Set</u> |
|-----------------|------------------------|------------------|
| 1" | 1.68# | 2030' |

Formation Tops:

Ojo Alamo: 652'
Kirtland: 767'
Fruitland: 1690'
Pictured Cliffs: 1972'

Logging Record: Geoelectnc. TS

Stimulation:

Shot well from 1972' to 2024' w/130 qts S.N.G.

Workover History:

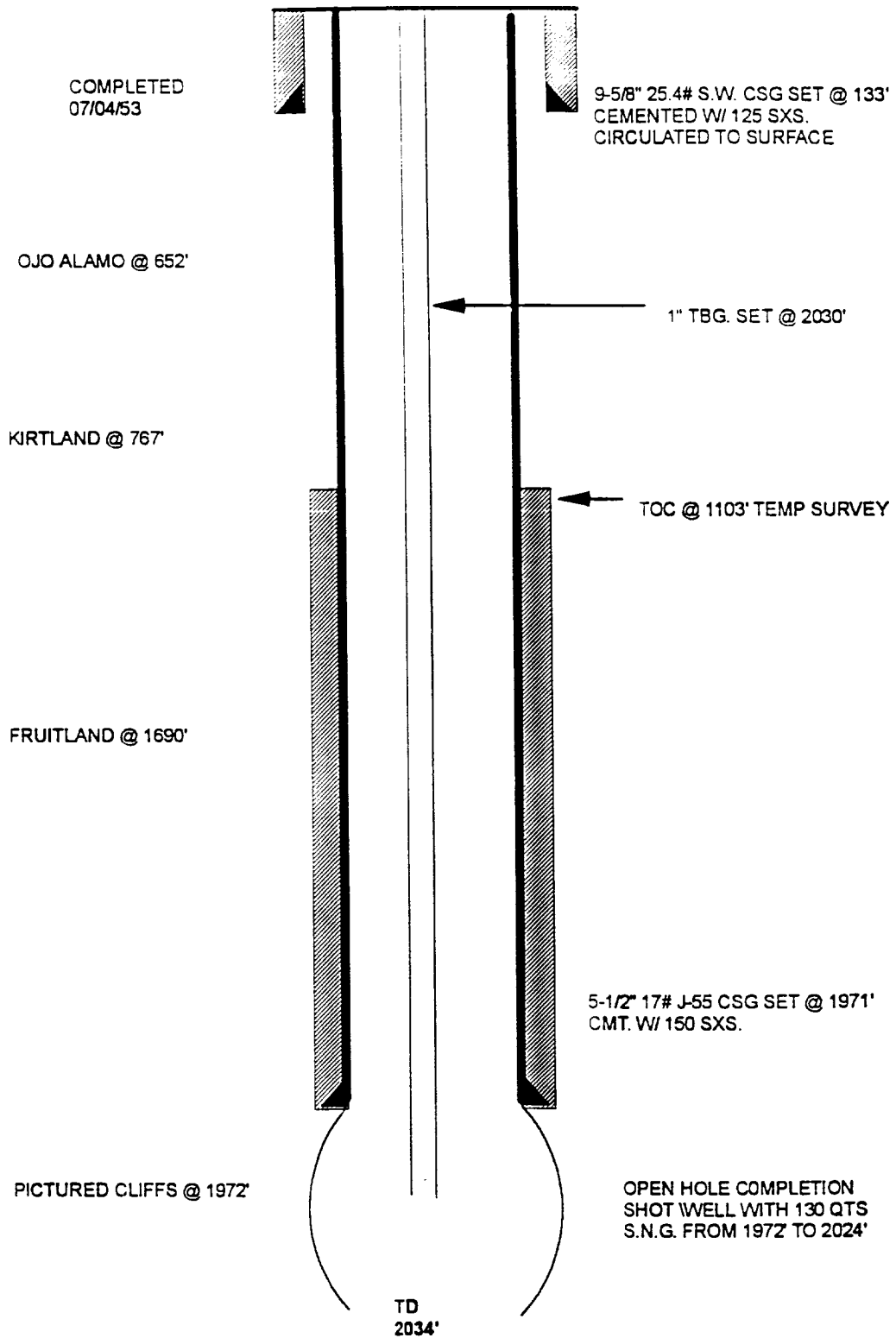
Production History:

Transporter: EPNG

McCLURE #1

CURRENT
AZTEC PICTURED CLIFFS

UNIT O, SEC 3, T29N, R11W, SAN JUAN COUNTY, NM



McCLURE #1

PROPOSED
AZTEC PICTURED CLIFFS

UNIT O, SEC 3, T29N, R11W, SAN JUAN COUNTY, NM

