

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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  
1650'FNL, 1800'FEL, Sec.35, T-30-N, R-11-W, NMPM

5. Lease Number  
SF-079962  
6. If Indian, All. or  
Tribe Name  
7. Unit Agreement Name  
8. Well Name & Number  
Wood #2  
9. API Well No.  
30-045-09020  
10. Field and Pool  
Basin Fruitland Coal/  
Aztec Pictured Cliffs  
11. County and State  
San Juan Co, NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

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.

RECEIVED  
DEC - 8 1994  
OIL CON. DIV.  
DIST. 3

DEC 10 1994  
OIL CON. DIV.  
DIST. 3

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

Signed [Signature] (LJB2) Title Regulatory Affairs Date 11/22/94

(This space for Federal or State Office use)

APPROVED BY \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

CONDITION OF APPROVAL, if any:

APPROVED

DEC 01 1994

WATERMAN

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, 1974

Instructions on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-09020		Pool Code 71629/71280		Pool Name Basin Fruitland Coal/Aztec Pictured Cliffs	
Property Code 7644		Property Name WOOD			Well Number 2
OGRID No. 14538		Operator Name MERIDIAN OIL INC.			Elevation 5848'

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
G	35	30N	11W		1650	NORTH	1800	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 N/320	13 Joint or Infill	14 Consolidation Code	15 Order No.
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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>*Not resurveyed, prepared from a plat by David O. Viluen. Dated 3-18-59</p>	<p>1650'</p> <p>1800'</p>	<b>17 OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  <p><i>Peggy Bradfield</i> Signature Peggy Bradfield Printed Name Regulatory Affairs Title 11-22-94 Date</p>	
		<b>18 SURVEYOR CERTIFICATION</b> 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.  11-17-94 Date of Survey Signature and Seal of Professional Approver: <p><i>NEALE C. EDWARDS</i> 8857 8857 Professional Land Surveyor</p> Certificate Number	
		<p>RECEIVED DEC - 8 1994 OIL CON. DIV. DIST. 3</p>	

**WOOD #2**  
**NE/4 Section 35 T30N 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 NMOC, 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 2223' of 1-1/4" tubing, tally and inspect.
4. TIH with 2-3/8" tubing, 5-1/2" casing scraper and 4-3/4" bit and clean out to PBTD at 2300'. Load hole with 2% KCl water. TOOH.
5. RU and RIH with CNL-CCL-GR and log from PBTD at 2300' to 300'.
6. RIH and wireline set 5-1/2" CIBP at 2185'. Correlate with CNL-CCL-GR to ensure CIBP is set between PC and basal FTC. Load hole with 2% KCl water. TOOH.
7. Run CBL from CIBP at 2185' 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 \*\*\***

8. TIH with 5-1/2" fullbore packer and 2-3/8" tubing and set packer at 2100'. 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.
9. 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.

**2140' - 2146'**  
**2172' - 2176'**

Total: 10 feet: 20 holes

10. TIH with 5-1/2" fullbore packer on 2-7/8" buttress tubing frac string and set packer at 2100'.
11. 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 10 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.
12. SI well for 2 hours for gel break.

**WOOD #2**  
NE/4 Section 35 T30N R11W  
Recommended Completion Procedure  
Page 2

13. After gel break, open well through choke manifold and monitor flow. Flow at 20 bbls/hr, or less if sand is observed.
14. When well ceases to flow, TOOH with 2-7/8" tubing and packer.
15. TIH with 2-3/8" tubing and notched collar and clean out to 2185'. TOOH.
16. TIH and set 5-1/2" RBP at 2115' with wireline.
17. Refill 400 bbl frac tank with 2% KCl water and filter to 25 microns. Heat water as required by weather.

**\*\*\* UPPER COAL \*\*\***

18. TIH with 5-1/2" fullbore packer and 2-3/8" tubing and set packer at 1946'. 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.
19. 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.

1996' - 2003'  
2019' - 2027'  
2052' - 2058'  
2078' - 2082'  
2088' - 2090'  
2094' - 2096'

Total: 29 feet: 58 holes

20. TIH with 5-1/2" fullbore packer on 2-7/8" buttress tubing frac string and set packer at 1946'.
21. 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 10 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.
22. SI well for 2 hours for gel break.
23. After gel break, open well through choke manifold and monitor flow. Flow at 20 bbls/hr, or less if sand is observed.
24. When well ceases to flow, TOOH with 2-7/8" tubing and packer.

**WOOD #2**  
NE/4 Section 35 T30N R11W  
Recommended Completion Procedure  
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25. 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 2115' and TOOH.
26. TIH w notched collar on 2-3/8" tubing and clean out coal until sand flow stops. Take Pitot gauge. TOOH.
27. RU wireline and run After - Frac log from 2185' to top of tracer activity.
28. TIH with 2165' of 2-3/8" tubing with standard seating nipple one joint off bottom and pump-off plug on bottom. Land tubing string.
29. ND BOP and NU independent wellhead. Pump off plug. Take final Pitot gauge. Rig down and release rig.
30. Will move back on location and drill CIBP set at 2185' 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 - Wood #2

Location: 1650' FNL, 1800' FEL, Unit G, Section 35, T30N, R11W; San Juan County, New Mexico

Field: Aztec Pictured Cliffs

Elevation: 5848' GL

TD: 2304'

COTD: 2270'

Spud Date: 04-07-59

Completed: 04-12-59

DP #: 50239A

Workover: 09-18-72

### Casing Record:

<u>Hole Size</u>	<u>Csg Size</u>	<u>Wt. &amp; Grade</u>	<u>Depth Set</u>	<u>Cement</u>	<u>Top/Cement</u>
12 1/4"	8 5/8"	24.0# J-55	136'	78 sxs	Circ/Surface
7 5/8"	5 1/2"	15.5# J-55	2300'	74 sxs	TOC @ 1700' TS

### Tubing Record:

<u>Tbg Size</u>	<u>Wt. &amp; Grade</u>	<u>Depth Set</u>
1 1/4"	2.4# J-55	2223'

### Formation Tops:

Ojo Alamo:	865'
Kirtland:	988'
Fruitland:	1892'
Pictured Cliffs:	2195'
Lewis:	2265'

Logging Record: ES, ML, TS

### Stimulation:

Water frac 2194'-2198', 2204'-2216', 2224'-2232', 2246'-2256' w/2 DJ/ft w/40,000# sand & 35,200 gal water. Flush w/2,300 gal. Dropped 2 sets of 15 balls each.

### Workover History:

09-82: Pull 1 1/4" tbg. Fished. Tag junk @ 2266'. Drill to 2267'. Circ w/gas. Set pkr @ 2193'. Set Baker Model "NC" BP @ 2260'. Explosively stimulated well, 2191'-2260'. CO after stimulation. Ran 1 1/4" 2.4#, J-55 tbg. Landed @ 2223'.

### Production History:

Transporter: EPNG

# WOOD #2 50239A

CURRENT

AZTEC PICTURED CLIFFS (GAS)

UNIT G, SEC 35, T30N, R11W, SAN JUAN COUNTY, NM

COMPLETED  
04/12/59

8-5/8" CSG SET @ 136' CMT TO SURFACE

OJO ALAMO @ 865'  
KIRTLAND @ 988'

1-1/4" TBG SET @ 2223'

TOC @ 1700' TEMP SURVEY

FRUITLAND @ 1892'

PICTURED CLIFFS @ 2195'  
LEWIS SHALE @ 2265'

PERF @ 2191'-2260' 35,200 GAL H2O 40,000# SD  
4-23-59  
EXPLOSIVELY STIMULATED 2191' - 2260' 10-5-72

5-1/2" CSG SET @ 2300'  
CMT W/ 74 SXS

TD  
2303'

# WOOD #2 50239A

PROPOSED

AZTEC PICTURED CLIFFS (GAS)

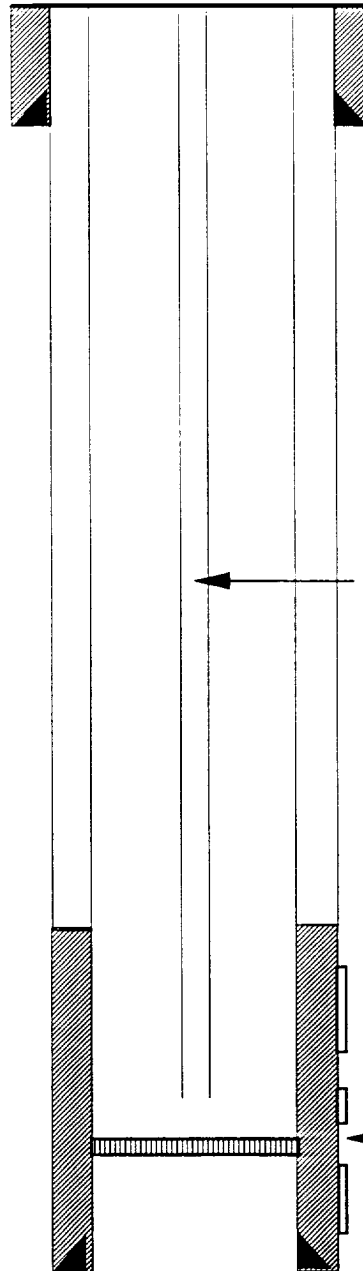
UNIT G, SEC 35, T30N, R11W, SAN JUAN COUNTY, NM

COMPLETED  
04/12/59

OJO ALAMO @ 865'  
KIRTLAND @ 988'

FRUITLAND @ 1892'

PICTURED CLIFFS @ 2195'  
LEWIS SHALE @ 2265'



8-5/8" CSG SET @ 136' CMT TO SURFACE

2-3/8" TBG SET @ 2165'

TOC @ 1700' TEMP SURVEY

PERF 1996' - 2003', 2019' - 2027', 2052' - 2058',  
2078' - 2082', 2088' - 2090', 2094' - 2096'

PERF 2140' - 2146', 2172' - 2176'

CIBP SET @ 2185'

PERF @ 2191' - 2260' 35,200 GAL H2O 40,000# SD  
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EXPLOSIVELY STIMULATED 2191' - 2260' 10-6-72

5-1/2" CSG SET @ 2300'  
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2303'