

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  
1650'FSL, 1650'FEL, Sec.34, T-30-N, R-11-W, NMPM, San Juan County

API # (assigned by OCD)  
30-045-08980

5. Lease Number  
Fee

6. State Oil&Gas Lease #

7. Lease Name/Unit Name  
Martin

8. Well No.  
2

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 [Signature] (LJB2) Regulatory Affairs November 28, 1994

(This space for State Use)

Approved by [Signature]

DEPUTY OIL & GAS INSPECTOR, DIST. 3 NOV 30 1994

Fruit Coal  
Hold G-104 F&NSL + Acreage Consolidation on NSP

District I  
PO Box 1980, Hobbs, NM 88241-1980  
District II  
PO Drawer DD, Artesia, NM 88211-0719  
District III  
1000 Rio Hrasos 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-10  
Revised February 21, 199  
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 30-045-08980		Pool Code 71629/71280	Pool Name Basin Fruitland Coal/Aztec Pictured Cliff
Property Code 7290	Property Name MARTIN		Well Number 2
OGRID No. 14538	Operator Name MERIDIAN OIL INC.		Elevation 5784'

<sup>10</sup> Surface Location

UL or lot no. J	Section 34	Township 30N	Range 11W	Lot Ida	Feet from the 1650	North/South line SOUTH	Feet from the 1650	East/West line EAST	County S.J.
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<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
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<sup>12</sup> Dedicated Acres 9/921.87	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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

<sup>16</sup> Not resurveyed, prepared from a plat by E.J. Coel. Dated 5-12-53	<div>RECEIVED NOV 30 1994 OIL CON. DIV. DIST. 3</div>	<sup>17</sup> OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Signature <u>Peggy Bradford</u> Printed Name <u>Peggy Bradford</u> Title <u>Regulatory Affairs</u> Date <u>11-23-94</u>
		<sup>18</sup> SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. <u>11-12-94</u> Date of Survey Signature and Seal of Professional Surveyor: <div>NEALE C. EDWARDS NEW MEXICO 8857 8857</div> Certificate Number <u>1188</u>

**MARTIN #2**  
SE/4 Section 34 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 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 2141' of 1" tubing, tally and inspect.
4. TIH with 2-3/8" tubing and 4-3/4" bit and clean out to TD at 2154'. TOOH.
5. TIH with 2-3/8" tubing, 5-1/2" casing scraper and 4-3/4" bit and clean out to 2094'. Load hole with 2% KCl water. TOOH.
6. RU and RIH with CNL-CCL-GR and log from 2094' to 94'.
7. RIH and wireline set 5-1/2" CIBP at 2091'. 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 2091' 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 2019'. 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.

**2069' - 2074'**

**2081' - 2086'**

Total: 10 feet: 20 holes

11. TIH with 5-1/2" fullbore packer on 2-7/8" buttress tubing frac string and set packer at 2019'.
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 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.

**MARTIN #2**  
**SE/4 Section 34 T30N 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, TOO H with 2-7/8" tubing and packer.
16. TIH with 2-3/8" tubing and notched collar and clean out to 2091'. TOO H.
17. TIH and set 5-1/2" RBP at 2020' 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 1845'. 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. TOO H.
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.

1895' - 1900'  
1959' - 1967'  
1982' - 1985'  
1995' - 2000'

Total: 21 feet: 42 holes

21. TIH with 5-1/2" fullbore packer on 2-7/8" buttress tubing frac string and set packer at 1845'.
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 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.
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.

**MARTIN #2**  
SE/4 Section 34 T30N R11W  
Recommended Completion Procedure  
Page 3

25. When well ceases to flow, TOOH with 2-7/8" tubing and packer.
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 2020' 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 2091' to top of tracer activity.
29. TIH with 2071' 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 2091' 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 - Martin #2**

**Location:** 1650' FSL. 1650' FEL. Unit J. Section 34. T30N. R11W; San Juan County. New Mexico

**Field:** Aztec Pictured Cliffs

**Elevation:** 5784' GR

**TD:** 2154'

**PBTD:** 2154'

**Spud Date:** 05-16-53

**Completed:** 06-14-53

**DP #:** 48592A

**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>
13 3/4"	9 5/8"	25.4# SW	130'	100 sxs	Circ/Surface
7 7/8"	5 1/2"	15.5# J-55	2094'	150 sxs	TOC @ 1145' TS

**Tubing Record:**

<u>Tbg Size</u>	<u>Wt. &amp; Grade</u>	<u>Depth Set</u>
1"	1.68#	2141'

**Formation Tops:**

Ojo Alamo: 745'  
Kirtland: 905'  
Fruitland: 1808'  
Pictured Cliffs: 2092'

**Logging Record:** Geoelectric. TS

**Stimulation:**

Shot well from 2102' to 2144' w/130 qts S.N.G. Top of gravel @ 2088'.  
Top of calseal @ 2059'.

**Workover History:**

**Production History:**

**Transporter:** EPNG

# MARTIN #2 48592A

CURRENT  
AZTEC PICTURED CLIFFS (GAS)  
UNIT J, SEC 34, T30N, R11W, SAN JUAN COUNTY, NM

COMPLETED  
06/14/53

9-5/8" 25.4# CSG SET @ 130'  
CMT TO SURFACE

OJO ALAMO @ 745'

KIRTLAND @ 905'

1" 1.68# TBG SET @ 2141'

TOC @ 1145' TEMP SURVEY

FRUITLAND @ 1808'

PICTURED CLIFFS @ 2092'

5-1/2" 15.5# CSG SET @ 2094'  
CMT W/ 150 SXS

OPEN HOLE COMPLETION 2102'-2144' 130 QTS  
S.N.G

TD  
2154'

# MARTIN #2 48592A

PROPOSED  
AZTEC PICTURED CLIFFS (GAS)  
UNIT J, SEC 34, T30N, R11W, SAN JUAN COUNTY, NM

COMPLETED  
06/14/53

OJO ALAMO @ 745'

KIRTLAND @ 905'

FRUITLAND @ 1808'

PICTURED CLIFFS @ 2092'

9-5/8" 25.4# CSG SET @ 130'  
CMT TO SURFACE

2-3/8" TBG SET @ 2071'

TOC @ 1145' TEMP SURVEY

PERF 1895' - 1900', 1959' - 1967',  
1982' - 1985', 1995' - 2000'

PERF 2069' - 2074', 2081' - 2086'

CIBP SET @ 2091'

5-1/2" 15.5# CSG SET @ 2094'  
CMT W/ 150 SXS

OPEN HOLE COMPLETION 2102'-2144' 130 QTS  
S.N.G

TD  
2154'