

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

1180'FSL, 1750'FEL, Sec.35, T-30-N, R-11-W, NMPM

5. Lease Number
SF-0799626. If Indian, All. or
Tribe Name

7. Unit Agreement Name

8. Well Name & Number
Payne #29. API Well No.
30-045-0894310. Field and Pool
Basin Fruitland Coal/
Aztec Pictured Cliffs11. County and State
San Juan Co, NM

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

Type of Submission

Type of Action

☒ Notice of Intent☐ Abandonment☐ Change of Plans☐ Subsequent Report☒ Recompletion☐ New Construction☐ Final Abandonment☐ Plugging Back☐ Non-Routine Fracturing☐ Casing Repair☐ Water Shut off☐ Altering Casing☐ Conversion to Injection☐ Other -

13. Describe Proposed or Completed Operations

It is intended to recompleate 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
DEC - 8 1994
OIL CON. DIV.
DIST. 3

OIL CON. DIV.
DIST. 3
NM

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

Signed *Paul Steadwell* (LJB2) Title Regulatory Affairs Date 11/29/94

(This space for Federal or State Office use)

APPROVED BY _____ Title _____ Date _____

CONDITION OF APPROVAL, if any:

Hold C-104 For NSE
CH

APPROVED
DEC 08 1994
DISTRICT MANAGER

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

Hold
Nish

Form C-
Revised February 21, 1
Instructions on b
Submit to Appropriate District Of
State Lease - 4 Co
Fee Lease - 3 Co

☐ AMENDED REPC

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
	71629/71280	Basin Fruitland Coal/Aztec Pictured Cliffs
Property Code	Property Name	Well Number
7379	Payne	2
OGRID No.	Operator Name	Elevation
14538	Meridian Oil Inc.	5806'

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
0	35	30N	11W		1180	South	1750	East	S.J.

11 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

12 Dedicated Acres 13 Joint or Infill 14 Consolidation Code 15 Order No.

S/316.83 157.77

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

16	* Not re-surveyed prepared from plat: Dated: March 18, 1959 By: David O. Vilven
RECEIVED DEC - 8 1994 OIL CON. DIV. DIST. 3	
35	
1180	
1750	

17 OPERATOR CERTIFICATION

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

Signature

Peggy Bradfield
Printed Name

Regulatory Affairs
Title

Date

18 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.

11-28-94

Date of Survey

Signature and Seal of Professional Surveyor:

Certificate Number

PAYNE #2
SE/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 2167' 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 2243'. Load hole with 2% KCl water. TOOH.
5. RU and RIH with CNL-CCL-GR and log from PBTD at 2243' to 243'.
6. RIH and wireline set 5-1/2" CIBP at 2137'. 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 2137' 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 2010'. 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.

2060' - 2063'

2087' - 2091'

2120' - 2124'

2132' - 2136'

Total: 15 feet: 30 holes

10. TIH with 5-1/2" fullbore packer on 2-7/8" buttress tubing frac string and set packer at 2010'.
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.

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SE/4 Section 35 T30N R11W
Recommended Completion Procedure
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12. SI well for 2 hours for gel break.
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, TOO H with 2-7/8" tubing and packer.
15. TIH with 2-3/8" tubing and notched collar and clean out to 2137'. TOO H.
16. TIH and set 5-1/2" RBP at 2053' 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 1891'. 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.
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.

1941' - 1948'
1962' - 1973'
1993' - 2000'
2030' - 2033'

Total: 28 feet: 56 holes

20. TIH with 5-1/2" fullbore packer on 2-7/8" buttress tubing frac string and set packer at 1891'.
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 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.
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, TOO H with 2-7/8" tubing and packer.

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SE/4 Section 35 T30N R11W
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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 2053' 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 2137' to top of tracer activity.
28. TIH with 2117' 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 2137' 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 - Payne #2

Location: 1180' FSL, 1750' FEL, Unit O, Section 35, T30N, R11W: San Juan County, New Mexico

Field: Aztec Pictured Cliffs

Elevation: 5806' GR

TD: 2244'

COTD: 2180'

Spud Date: 04-02-59

Completed: 05-06-59

DP #: 32332A

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"	28.0# H-40	136'	50 sxs	Circ/Surface
7 7/8"	5 1/2"	15.5# J-55	2243'	106 sxs	TOC @ 1450' TS

Tubing Record:

<u>Tbg Size</u>	<u>Wt. & Grade</u>	<u>Depth Set</u>
1 1/4"		2167'

Formation Tops:

Ojo Alamo:	838'
Kirtland:	942'
Fruitland:	1832'
Pictured Cliffs:	2140'
Lewis:	2230'

Logging Record: ES, ML, TS

Stimulation:

Water frac 2140'-2148', 2154'-2170', w/2 DJ/ft w/35,000# sand & 34,600 gal water.
Flush w/670 gal. Dropped 1 set of 10 balls & 1 set of 5 balls. Pkr set @ 2100'.

Workover History:

Production History:

Transporter: EPNG

PAYNE #2 50238A

CURRENT

AZTEC PICTURED CLIFFS

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

COMPLETED
05/06/59

8-5/8" 28# H-40 CSG SET @ 136'
CIRC CMT TO SURFACE

OJO ALAMO @ 838'

KIRTLAND @ 942'

1-1/4" TBG SET @ 2167'

TOC @ 1450' TEMP SURVEY

FRUITLAND @ 1832'

PICTURED CLIFFS @
2140'

LEWIS SHALE @ 2230'

PERFS @ 2140'-2148' 34,650 GAL H2O 35,000# SD
PERFS @ 2154'-2170'

5-1/2" 15.5# J-55 CSG SET @ 2243'
CMT W/ 106 SXS

TD
2244'

PAYNE #2 50238A

PROPOSED

AZTEC PICTURED CLIFFS

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

COMPLETED
05/06/59

OJO ALAMO @ 838'

KIRTLAND @ 942'

FRUITLAND @ 1832'

PICTURED CLIFFS @
2140'

LEWIS SHALE @ 2230'

8-5/8" 28# H-40 CSG SET @ 136'
CIRC CMT TO SURFACE

2-3/8" TBG SET @ 2117'

TOC @ 1450' TEMP SURVEY

PERF 1941' - 1948', 1962' - 1973',
1993' - 2000', 2030' - 2033'

PERF 2060' - 2063', 2087' - 2091',
2120' - 2124', 2132' - 2136'

CIBP SET @ 2137'
PERFS @ 2140'-2148' 34,650 GAL H2O 35,000# SD
PERFS @ 2154'-2170'

5-1/2" 15.5# J-55 CSG SET @ 2243'
CMT W/ 106 SXS

TD
2244'