

submitted in lieu of Form 3160-5

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
990'FSL, 1650'FWL, Sec.12, T-28-N, R-10-W, NMPM

5. Lease Number
SF-080724A
6. If Indian, All. or
Tribe Name
7. Unit Agreement Name
8. Well Name & Number
Zachry #1
9. API Well No.
30-045-07566
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 recomplate the subject well in the Fruitland Coal zone and commingle with the Pictured Cliffs zone, according to the attached procedure and wellbore diagram. Application for commingling has been made with the New Mexico Oil Conservation Division.

RECEIVED
JAN 9 8 1995
OIL CON. DIV.
DIST. 3

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

Signed [Signature] (LJB2) Title Regulatory Affairs Date 12/27/94

(This space for Federal or State Office use)

APPROVED BY _____ Title _____ Date _____

CONDITION OF APPROVAL, if any:

APPROVED

DEC 29 1994

for "ACTING MANAGER"

AMCOO

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-102
Revised February 21, 1994
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 30-045-07566	Pool Code 71629/71280	Pool Name Basin Fruitland Coal/Aztec Pictured Cliffs
Property Code 6882	Property Name Zachry	Well Number 1
GRID No. 14538	Operator Name MERIDIAN OIL INC.	Elevation 5858DF

10 Surface Location

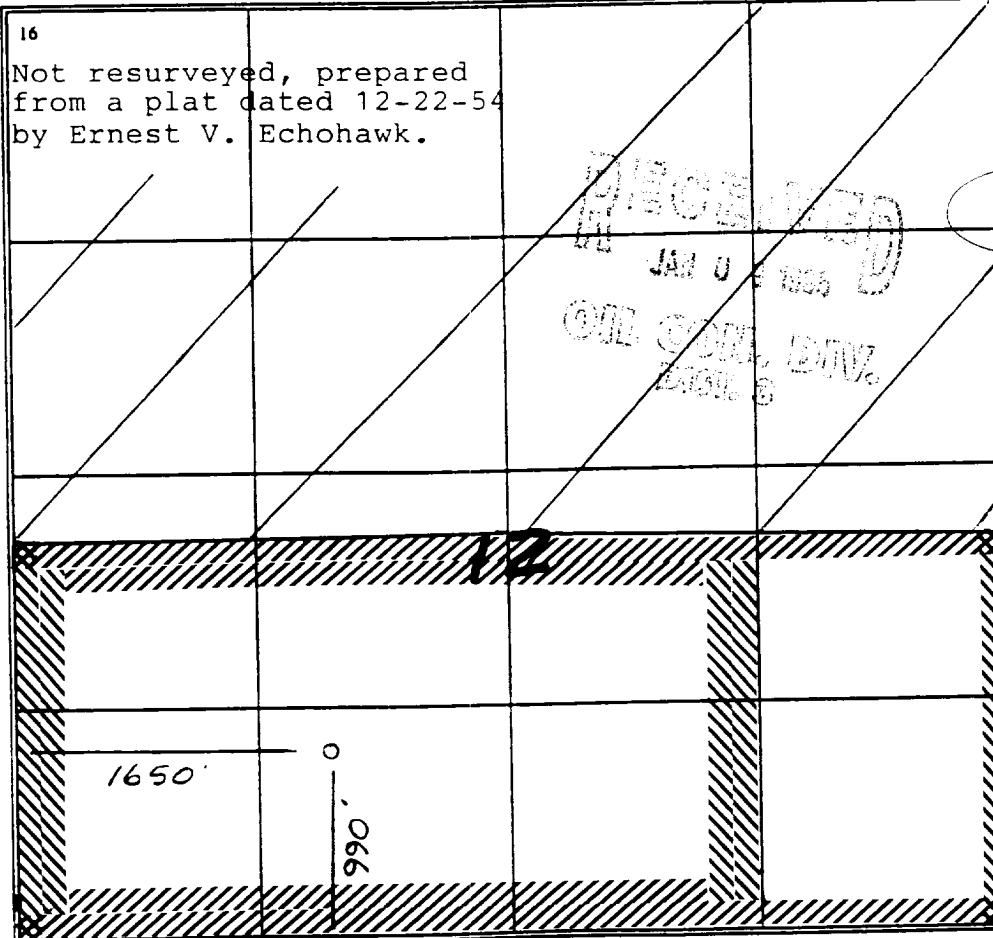


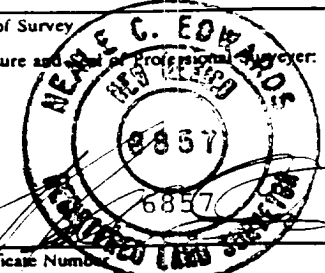
UL or lot no. N	Section 12	Township 28 N	Range 10 W	Lot Idn	Feet from the 990	North/South line South	Feet from the 1650	East/West line West	County S.J.
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11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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12 Dedicated Acres 270.11-202	13 Joint or Infill 82	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

16 Not resurveyed, prepared from a plat dated 12-22-54 by Ernest V. Echohawk. 	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 12-27-94 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. 12-23-94 Date of Survey  Signature and Seal of Professional Surveyor  Certificate Number

Pertinent Data Sheet - Zachry #1

Location: 990' FSL, 1650' FWL, Unit N, Section 12, T28N, R10W, San Juan County, New Mexico

Field: Aztec Pictured Cliffs

Elevation: 5859' DF

TD: 2150'

PBTD: 2150'

Completed: 03-11-55

Spud Date: 02-24-55

DP #: 32115A

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>
9 7/8"	9 5/8"	36.0# H-40	93'	125 sxs	Circ/Surface
7 7/8"	5 1/2"	15.5# J-55	2068'	150 sxs	TOC @

Tubing Record:

<u>Tbg Size</u>	<u>Wt. & Grade</u>	<u>Depth Set</u>
1"	1.7#	2100'

Formation Tops:

Ojo Alamo:	955'
Kirtland:	1095'
Fruitland:	1735'
Pictured Cliffs:	2066'

Logging Record: Dual Spaced Neutron Log, TS.

Stimulation:

Well was sand/oil frac'd from 2068' to 2150' w/14,800# sand & 13,500 gal oil.

Workover History:

Production History:

Transporter: Union Texas Petroleum Corp.

ZACHRY #1
SW/4 Section 12 T28N R10W
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 2100' of 1" tubing, tally and inspect.
4. TIH with 2-7/8" N-80 tubing and 4-3/4" bit and clean out to TD at 2150'. TOOH.
5. TIH with 2-7/8" N-80 tubing, 5-1/2" casing scraper and 4-3/4" bit and and clean out to 2068'. TOOH.
6. TIH with 2-7/8" N-80 tubing, 5-1/2" packer and set at 2065'. Pump 600 gals. of 15% HCL, using 500 scf N2/bbl. Job will be pumped at 3 to 4 bbls/min. Shut in for 1 hour. Flow to pit and check for spent acid. Take Pitot Gauge. TOOH.
7. RIH and wireline set 5-1/2" CIBP at 2065'. Load hole with 2% KCl water.
8. RU and RIH with CNL-CCL-GR and log from 2065' to 65'.
9. Run CBL from CIBP at 2065' 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 *****

10. TIH with 5-1/2" fullbore packer and 2-7/8" N-80 tubing and set packer at 1941'. 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.
11. 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.

2041' - 2057'

Total: 16 feet - 32 holes.

12. TIH with 5-1/2" fullbore packer on 2-7/8" N-80 tubing and set packer at 1941'.

ZACHRY #1
SW/4 Section 12 T28N R10W
Recommended Completion Procedure
Page 2

13. 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.
14. SI well for 2 hours for gel break.
15. After gel break, open well through choke manifold and monitor flow. Flow at 20 bbls/hr, or less if sand is observed.
16. When well ceases to flow, TOOH with 2-7/8" N-80 tubing and packer.
17. TIH with 2-7/8" N-80 tubing and notched collar and clean out to 2065'. TOOH.
18. TIH and set 5-1/2" RBP at 2021' with wireline.
19. Refill 400 bbl frac tank with 2% KCl water and filter to 25 microns. Heat water as required by weather.

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

20. TIH with 5-1/2" fullbore packer and 2-7/8" N-80 tubing and set packer at 1838'. 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.
21. 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.

1938' - 1949'

1989' - 2001'

Total: 23 feet - 46 holes.

22. TIH with 5-1/2" fullbore packer on 2-7/8" N-80 tubing string and set packer at 1838'.
23. 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.

ZACHRY #1
SW/4 Section 12 T28N R10W
Recommended Completion Procedure
Page 3

24. SI well for 2 hours for gel break.
25. After gel break, open well through choke manifold and monitor flow. Flow at 20 bbls/hr, or less if sand is observed.
26. When well ceases to flow, TOOH with 2-7/8" N-80 tubing and packer.
27. TIH with 2-7/8" N-80 tubing and retrieving head and clean out upper coal zone until sand flow stops. **Take Pitot gauge before releasing BP.** Release RBP set at 2021' and TOOH.
28. TIH with 2-7/8" N-80 tubing and notched collar and clean out lower coal zone until sand flow stops. **Take Pitot gauge.** TOOH.
29. RU wireline and run After - Frac log from 2065' to top of tracer activity.
30. TIH with 2045' of 2-3/8" tubing with standard seating nipple one joint off bottom and pump-off plug on bottom. Land tubing string.
31. ND BOP and NU independent wellhead. Pump off plug. **Take final Pitot gauge.** Rig down and release rig.
32. Will move back on location and drill CIBP set at 2065' when appropriate regulatory approval is received.

Approve:


P. W. Bent

 12/19/94

VENDORS:

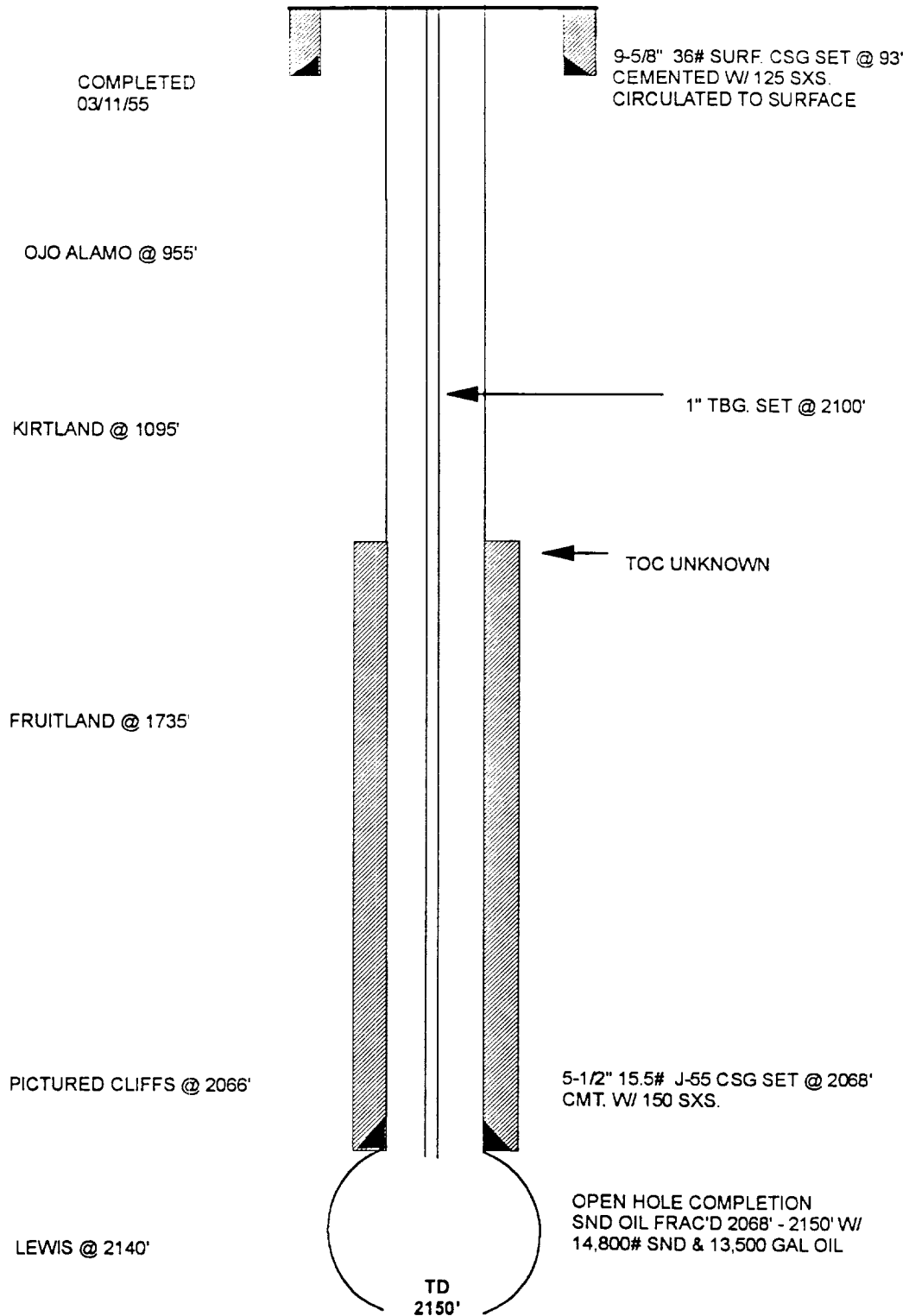
Wireline:	Petro	325-6669
Fracturing:	Western	327-6222
R.A. Tagging	Protechnics	326-7133
Tools	Schlumberger	325-5006
Production Engineer	Office	326-9703
	Home	326-2381

LJB

ZACHRY #1

CURRENT
AZTEC PICTURED CLIFFS

SEC 12, T28N, R10W, SAN JUAN COUNTY, NM



ZACHRY #1

PROPOSED
BASIN FRUITLAND COAL

SEC 12, T28N, R10W, SAN JUAN COUNTY, NM

