

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

1. Type of Well

GAS

5. Lease Number

NM-0702

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

2. Name of Operator

MERIDIAN OIL

3. Address & Phone No. of Operator

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

8. Well Name & Number

Reid B #4

9. API Well No.

30-045-25607

10. Field and Pool

Blanco Mesaverde/
Armenta Gallup

11. County and State

San Juan Co, NM

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

825' FNL, 825' FWL, Sec.31, T-29-N, R-10-W, NMPM

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 - Temporarily abandon Gallup

13. Describe Proposed or Completed Operations

It is intended to recomplete the subject well in the Mesaverde formation according to the attached procedure and wellbore diagram. The Gallup formation will be temporarily abandoned.

RECEIVED
AUG 14 1995

OIL CON. DIV.
DIST. 3

OIL CON. DIV.
DIST. 3

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

Signed [Signature] (LJB2) Title Regulatory Administrator Date 7/26/95

(This space for Federal or State Office use)

APPROVED BY _____ Title _____

Date _____

CONDITION OF APPROVAL, if any:

APPROVED

AUG 07 1995

DISTRICT MANAGER

NMOC

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

Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-25607	Pool Code 72319/02290	Pool Name Blanco Mesaverde/Armenta Gallup
Property Code 7418	Property Name Reid B	Well Number 4
OGRID No. 14538	Operator Name MERIDIAN OIL INC.	Elevation 5642'

¹⁰ Surface Location

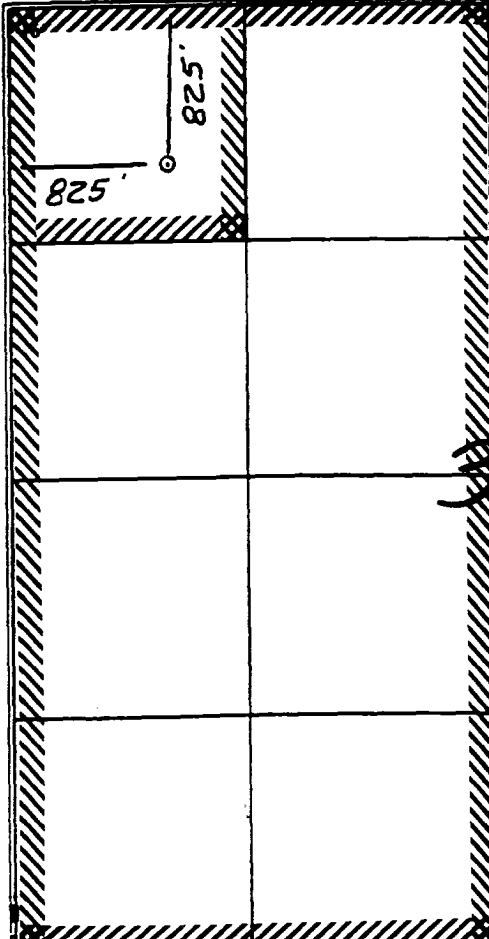
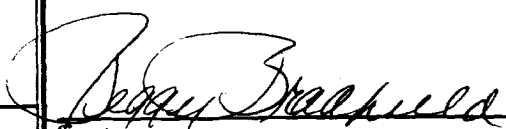
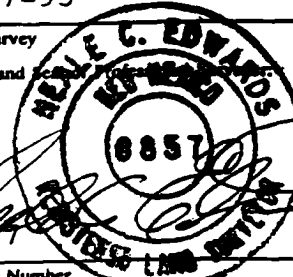
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	31	29 N	10 W		825	North	825	West	San Juan

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 7/320-40	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

	Not resurveyed, prepared from a plat dated 11-29-82 by Michael Daly.	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 Administrator Title 8-3-95 Date
	RECEIVED AUG 14 1995 OIL CON. DIV. DIST. 3	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. 7-27-95 Date of Survey Signature and  Certificate Number

Unit D Section 31 T29N R10W
Lat. 36-41-13 Long. 107-55-55

1. Test rig anchors and repair if necessary. Install 8-400 bbl frac tanks on location and fill with 1% KCl water for fracture treatment. 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 with 160 5/8" 65 3/4" rods and 5735' of 2-3/8" tubing. Check wellbore diagram for configuration. Visually inspect for and replace all bad jts.
4. TIH on 2-3/8" tubing with 7" casing scraper and 6-1/8" bit. Clean out to top of liner hanger at 4999'. TOOH.
5. TIH with 2-3/8" tubing with 4-1/2" casing scraper and 2-7/8" bit. Clean out 4-1/2" liner from 4999' to collapsed casing at 5779' with air.
6. Blow to pit until sand production is minimal to absent. When well is clean, take 15, 30, 45 and 60 minute pitot gauges. TOOH.
7. Set 4-1/2" CIBP at 5300' on 2-3/8" tubing. Load hole with 1% KCl water. TOOH.
8. RU wireline and run CBL/CCL/GR from 4800' to 2800' under 1000 psi surface pressure. TIH with 7" full-bore packer and 60' of 2-3/8" tubing and pressure test casing to 3400 psi. If pressure test does not hold, TIH with packer and tubing and locate failure. Contact Production Engineering and a repair procedure will be provided. Release packer and TOOH.

*****Lower Point Lookout*****

9. Perforate with 4" Conventional HSC with centralizers and charges meeting requirements for average penetration in Berea of 12.0" and average perf diameter of 0.34". Perforate the following Point Lookout intervals with 1 spf. Perforate from the top down using centralizers.

4472' - 4475'	(3)	4351' - 4360'	(9)
4452' - 4458'	(6)	4311' - 4319'	(8)
4432' - 4437'	(5)	4266' - 4284'	(18)
4426' - 4430'	(4)	4260' - 4263'	(3)

Total: 56 holes.

10. TIH with 7" full bore packer on 2-7/8" tubing and set at 60' only if casing tested. If casing squeeze was required, TIH to below squeeze hole with 7" packer and 2-3/8" tubing. RU stimulation company and prepare to breakdown and balloff with acid. Pump 1400 gal. of 15% HCl at 30-40 bbls/min. Drop a total of 84 7/8" 1.3 sp. gr. RCN ball sealers spaced evenly throughout the job. Record injection rate and all breakdown pressures throughout job. **Maximum pressure is 3400 psi.** Acid should contain clay stabilizer, corrosion inhibitor, and iron sequestering agent. TOOH with tubing and packer.

REID B #4
Recommend Recompletion Procedure
Unit D Section 31 T29N R10W
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11. RU wireline. RIH with junk basket and push balls below the bottom perms.
12. TIH with 7" full-bore packer on 2-7/8" tubing and set at 60' only if casing tested. If casing squeeze was required, TIH to below squeeze hole with 7" packer and 3-1/2" frac string. RU stimulation company. Hold safety meeting. Pressure test surface lines to 4400 psi (1000 psi over maximum allowable treating pressure but no greater than working pressure of surface lines). **Maximum treating pressure is 3400 psi.** Fracture Lower Point Lookout according to attached procedure. **Stimulation will be with slickwater and 56,000 lbs. of 20/40 Arizona sand with maximum sand concentration of 2.5 ppg, a rate of 70 bbls/min and 25% pad volume (Fracure stimulate interval according to the attached schedule).** Flush to the top perf. Shut-in well immediately after stimulating well to keep in static condition. Release packer and TOOH.
13. Wireline set 7" RBP at 4250'. TIH with 7" full-bore packer on 2-7/8" tubing and set at 60'. Test bridge plug and casing to 3400 psi for 15 minutes. Release packer and TOOH. Run dump bailer and dump 2 sxs sand on of the RBP.

*****Upper Point Lookout*****

14. Perforate with 4" Conventional HSC with centralizers and charges meeting requirements for average penetration in Berea of 12.0" and average perf diameter of 0.34". Perf the following Upper Point Lookout intervals with 1 spf. Perforate from the top down using centralizers.

4230' - 4240'	(10)	4181' - 4185'	(4)
4220' - 4226'	(6)	4168' - 4178'	(10)
4213' - 4216'	(3)	4163' - 4166'	(3)
4188' - 4202'	(14)	4100' - 4104'	(4)

Total: 54 holes.

15. TIH with 7" full bore packer on 2-7/8" tubing and set at 60' only if casing tested. If casing squeeze was required, TIH to below squeeze hole with 7" packer and 2-3/8" tubing. RU stimulation company and prepare to breakdown and balloff with acid. Pump 1350 gal. of 15% HCl at 30-40 bbls/min. Drop a total of 81 7/8" 1.3 sp. gr. RCN ball sealers spaced evenly throughout the job. Record injection rate and all breakdown pressures throughout job. **Maximum pressure is 3400 psi.** Acid should contain clay stabilizer, corrosion inhibitor, and iron sequestering agent. Release packer and TOOH.
16. RU wireline. RIH with junk basket and retrieve ball sealers. Record number of hits and balls recovered.

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17. TIH with 7" full-bore packer on 2-7/8" tubing and set at 60' only if casing tested. If casing squeeze was required, TIH to below squeeze hole with 7" packer and 3-1/2" frac string.. RU stimulation company. Hold safety meeting. Pressure test surface lines to 4400 psi (1000 psi over maximum allowable treating pressure but no greater than working pressure of surface lines). **Maximum treating pressure is 3400 psi.** Fracture Upper Point Lookout according to attached procedure. **Stimulation will be with slickwater and 54,000 lbs. of 20/40 Arizona sand with maximum sand concentration of 2.5 ppg, a rate of 70 bbls/min and 25% pad volume (Fracure stimulate interval according to the attached schedule).** Flush to the top perf. Release packer and TOOH.
18. Flow back well (if needed) until returns diminish. TIH with retrieving head and 2-3/8" tubing and clean out to RBP at 4250' until sand returns and water production are minimal. Obtain pitot gauges. Release bridge plug and TOOH.
19. TIH with notched collar on 2-3/8" tubing and clean out to CIBP at 5300' until sand returns and water production are minimal. Obtain pitot gauges. TOOH.
20. TIH with 4450' of 2-3/8" tubing with standard seating nipple and one joint with expendable check on bottom. Tag fill and do final cleanout if necessary. Land tubing string.
21. ND BOP and NU independent wellhead. Pump off plug. **Take final Pitot gauge and gas, oil and water samples.**
22. Rig down and release rig.

Approve:

Team Leader

Approve:

Drilling Superintendent

VENDORS:

Wireline:	Petro	326-6669
Fracturing:	BJ	327-6222
Production Engineer:	Office	326-9703
	Home	326-2381

LJB:ljb

Pertinent Data Sheet -Reid B #4

Location: 825' FNL & 825' FWL, Unit D, Section 31, T29N, R10W, San Juan County, New Mexico

Field: Armenta Gallup

Elevation: 5624' GL

TD: 5950'

PBTD: 5906'

Completed: 04/28/83

Spud Date: 04/01/83

DP #: 32459A

Casing Record:

<u>Hole Size</u>	<u>Csg. Size</u>	<u>Wt. & Grade</u>	<u>Depth Set</u>	<u>Cement (Top)</u>
13-3/4"	9-5/8"	36# K-55	290'	290 cu ft (Surface/Circ)
9-7/8"	7-5/8"	23# K-55 LT&C	5210'	1939 cu ft (Surface/Circ)

DV Tool @ 1879'

Liner:

<u>Hole Size</u>	<u>Csg. Size</u>	<u>Wt. & Grade</u>	<u>Depth Set</u>	<u>Cement (Top)</u>
6-1/4"	4-1/2" liner	10.5# K-55	5950'	158 cu ft @ 4999'

Liner Hanger @ 4999'
Float Collar @ 5906'

Tubing Record:

<u>Tbg. Size</u>	<u>Wt. & Grade</u>	<u>Depth Set</u>
2-3/8"	4.70# J-55 EUE	5735'

Formation Tops:

Ojo Alamo:	610'	Chacra:	2410'
Kirtland Shale:	770'	Cliffhouse:	3380'
Fruitland:	1350'	Point Lookout:	4480'
Pictured Cliffs:	1810'	Gallup	5350'
Lewis Shale:	1900'		

Logging Record: CDL-CNL-LPN-GR DIFL-GR Temp Prolog

Stimulation:

Perf: 5357'-5531' Frac w/ 86,500#, 68,330 GAL 70 Q FOAM, & 1050 15% HCL

Perf: 5573'-5734' Frac w/ 85,000#, 79,600 GAL 70 Q FOAM, & 1400 15% HCL

Perf: 5772'-5898' Frac w/ 10,000#, 24,567 GAL FOAM, & 1000 GAL 15% HCL w/700 SCF N2/bbl.

Workover History:

2-7-95 Attempted to clean out hole. Found collapsed casing @ 5779'-5898'. Landed Tbg. @ 5735'. Ran 160 5/8" rods, 65 3/4" rods. Returned well to producing status.

32459A REID B #4

ARMENTA GALLUP
CURRENT

UNIT D, SEC 31, T29N, R10W, SAN JUAN COUNTY, NM

COMPLETED 4/28/83

OJO ALAMO @ 610'
KIRTLAND @ 770'

FRUITLAND @ 1350'

PICTURED CLIFFS @ 1810'
LEWIS @ 1900'

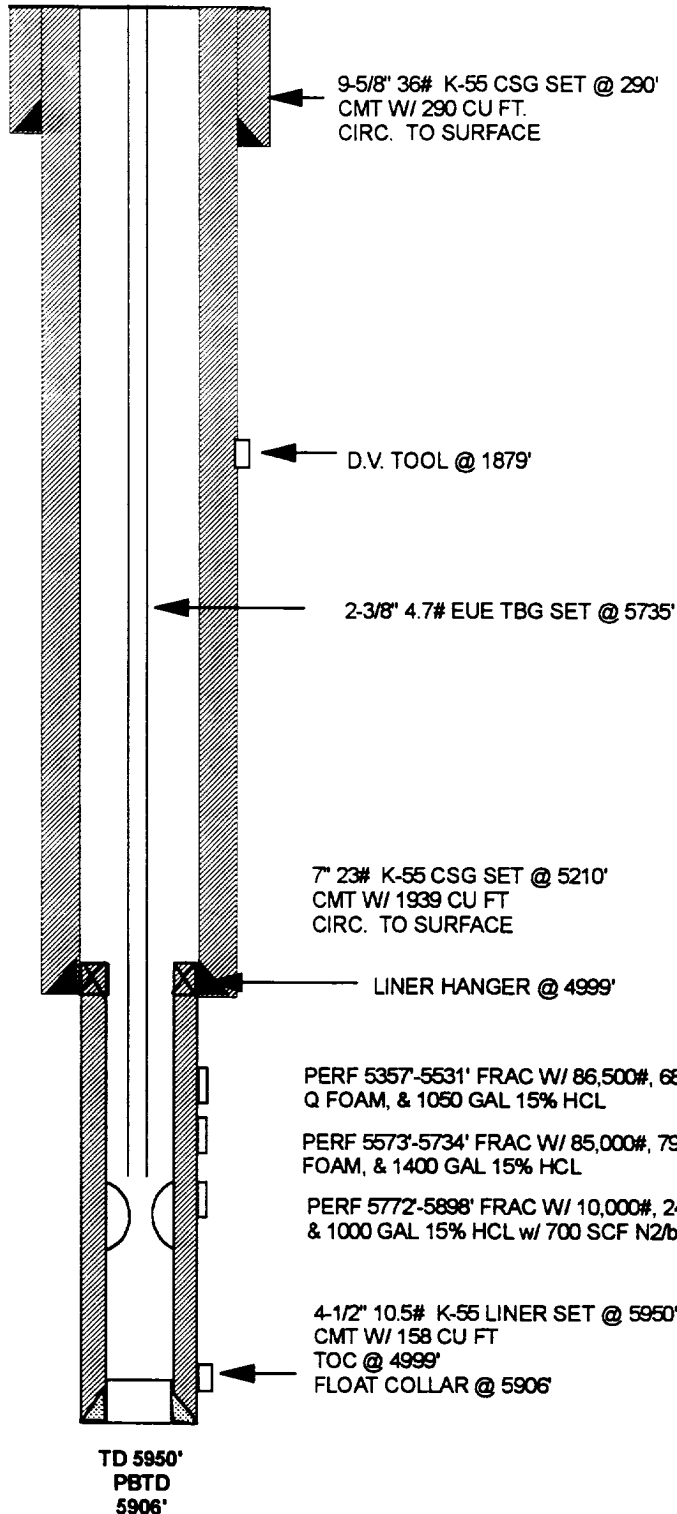
CHACRA @ 2410'

CLIFF HOUSE @ 3380'
POINT LOOKOUT @ 4130'

MANCOS @ 4480'

GALLUP @ 5350'

4-1/2" LINER COLLAPSED @ 5779'-5898'



32459A REID B #4

MESAVERDE
PROPOSED

UNIT D, SEC 31, T29N, R10W, SAN JUAN COUNTY, NM

COMPLETED 4/28/83

OJO ALAMO @ 610'
KIRTLAND @ 770'

FRUITLAND @ 1350'

PICTURED CLIFFS @ 1810'
LEWIS @ 1900'

CHACRA @ 2410'

CLIFF HOUSE @ 3380'
POINT LOOKOUT @ 4130'

MANCOS @ 4480'

GALLUP @ 5350'

4-1/2" LINER COLLAPSED @ 5779'-5898'

