

submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

070 FARMINGTON, NM

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
937' FNL, 1785' FWL, Sec.33, T-29-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 #29

9. API Well No.
30-045-25503

10. Field and Pool
Blanco Mesaverde/
Armenta Gallup

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 - Temporarily abandon Gallup
☐ 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 Mesaverde formation according to the attached procedure. The Gallup will be temporarily abandoned with a CIBP.

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OIL CON. DIV.
DIST. 3

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

Signed [Signature] (KKK2) Title Regulatory Administrator Date 11/30/95

(This space for Federal or State Office use)

APPROVED BY _____ Title _____

CONDITION OF APPROVAL, if any:

Date

APPROVED

DEC 06 1995

DISTRICT MANAGER

Hold C-104 to Chg to w/2

NMOCD

District I
PO Box 1910, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Hondo 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 30-045-25503	Pool Code 72319/2290	Pool Name Blanco Mesaverde/Armenta Gallup
Property Code 7654	Property Name Zachry	Well Number 29
OGRID No. 14538	Operator Name MERIDIAN OIL INC.	Elevation 5620'

10 Surface Location

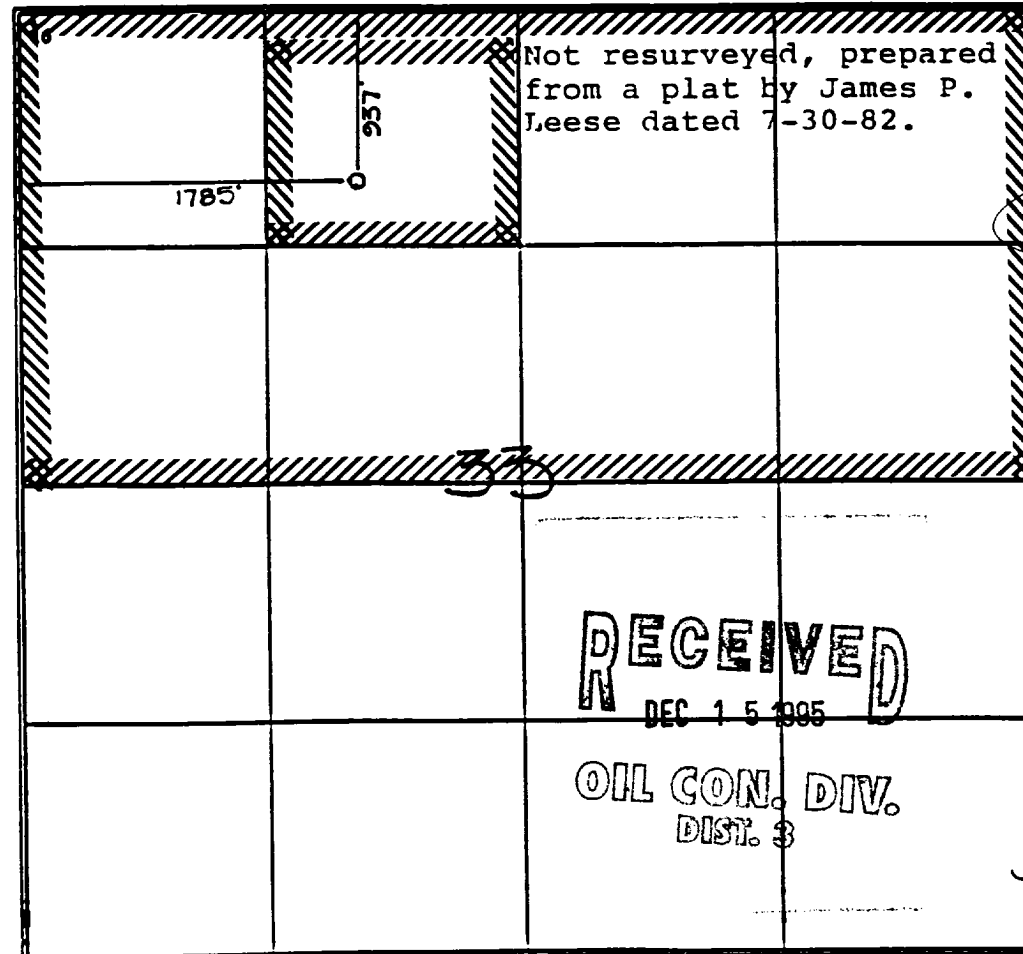
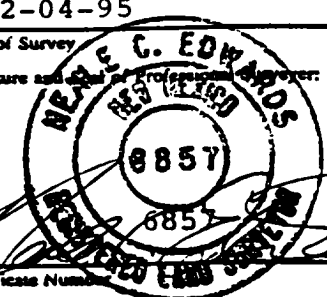
UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
C	33	29 N	10 W		937	North	1785	West	S.J.

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 N/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

	<p>Not resurveyed, prepared from a plat by James P. Leese dated 7-30-82.</p>	<p>17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</p> <p><i>Peggy Bradfield</i> Signature Peggy Bradfield Printed Name Regulatory Administrator Title 12-5-95 Date</p>
		<p>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.</p> <p>12-04-95 Date of Survey Signature and Seal of Professional Surveyor:  Certificate Number</p>

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DIST. 3

ZACHRY #29
Recommend Recompletion Procedure
Unit C Section 33 T29N R10W
Lat. 36.687347 Long. 107.892059

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 5823' 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 7-5/8" casing scraper and 6-1/8" bit. Clean out to top of liner hanger at 5158'. TOOH.
5. TIH with 2-3/8" tubing with 5-1/2" casing scraper and 3-7/8" bit. Clean out 5-1/2" liner from 5158 to PBTD 5957' 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 5-1/2" CIBP at 5350' on 2-3/8" tubing. Load hole with 1% KCl water. TOOH.
8. RU wireline and run CBL/CCL/GR from 4500' to 2500' under 1000 psi surface pressure. TIH with 7-5/8" full-bore packer and 60' of 2-3/8" tubing and pressure test casing to 3300 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 0.33". Perforate the following Lower Point Lookout intervals with 1 spf. Perforate from the top down using centralizers.

4256' - 4261'	(5)	4303' - 4305'	(2)	4355' - 4359'	(4)
4272' - 4274'	(2)	4309' - 4311'	(2)	4364' - 4366'	(2)
4277' - 4279'	(2)	4323' - 4324'	(1)	4392' - 4400'	(8)
4287' - 4291'	(4)	4330' - 4332'	(2)	4421' - 4426'	(5)
4294' - 4295'	(1)	4336' - 4343'	(7)	4455' - 4457'	(2)

Total: 49 holes.

10. TIH with 7-5/8" 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 7-5/8" packer and 2-3/8" tubing. RU stimulation company and prepare to breakdown and balloff with acid. Pump 1225 gal. of 15% HCl at 29 bbls/min and slow rate down to 10 bbls/min prior to ball hitting. Drop a total of 73 7/8" 1.3 sp. gr. RCN ball sealers spaced evenly throughout the job.

ZACHRY #29
Recommend Recompletion Procedure
Unit C Section 33 T29N R10W
Page 2

Record injection rate and all breakdown pressures throughout job. **Maximum pressure is 3300 psi.** Acid should contain clay stabilizer, corrosion inhibitor, and iron sequestering agent. TOO H with tubing and packer.

11. RU wireline. RIH with junk basket and push balls below the bottom perms.
12. TIH with 7-5/8" 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 7-5/8" packer and 3-1/2" frac string. RU stimulation company. Hold safety meeting. Pressure test surface lines to 4300 psi (1000 psi over maximum allowable treating pressure but no greater than working pressure of surface lines). **Maximum treating pressure is 3300 psi.** Fracture Lower Point Lookout according to attached procedure. **Stimulation will be with slickwater and 49,000 lbs. of 20/40 Arizona sand with maximum sand concentration of 2.5 ppg, a rate of 75 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 TOO H.
13. Wireline set 7-5/8" RBP at 4254'. TIH with 7-5/8" full-bore packer on 2-7/8" tubing and set at 60'. Test bridge plug and casing to 3300 psi for 15 minutes. Release packer and TOO H. 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 0.33". Perf the following Menefee intervals with 1 spf. Perforate from the top down using centralizers.

4168' - 4189'	(21)	4211' - 4217'	(6)
4192' - 4200'	(8)	4230' - 4244'	(14)
4205' - 4208'	(3)		

Total: 52 holes.

15. TIH with 7-5/8" 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 7-5/8" packer and 2-3/8" tubing. RU stimulation company and prepare to breakdown and balloff with acid. Pump 1300 gal. of 15% HCl at 31 bbls/min and slow rate down to 10 bbls/min prior to ball hitting. Drop a total of 78 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 3300 psi.** Acid should contain clay stabilizer, corrosion inhibitor, and iron sequestering agent. Release packer and TOO H.
16. RU wireline. RIH with junk basket and retrieve ball sealers. Record number of hits and balls recovered.

ZACHRY #29
Recommend Recompletion Procedure
Unit C Section 33 T29N R10W
Page 3

17. TIH with 7-5/8" 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 7-5/8" packer and 3-1/2" frac string. RU stimulation company. Hold safety meeting. Pressure test surface lines to 4300 psi (1000 psi over maximum allowable treating pressure but no greater than working pressure of surface lines). **Maximum treating pressure is 3300 psi.** Fracture Upper Point Lookout according to attached procedure. **Stimulation will be with slickwater and 52,000 lbs. of 20/40 Arizona sand with maximum sand concentration of 2.5 ppg, a rate of 78 bbls/min and 25% pad volume (Fracure stimulate interval according to the attached schedule).** Flush to the top perf. Release packer and TOOH.
18. Wireline set 7-5/8" RBP at 4160'. TIH with 7-5/8" full-bore packer on 2-7/8" tubing and set at 60'. Test bridge plug and casing to 3300 psi for 15 minutes. Release packer and TOOH. Run dump bailer and dump 2 sxs sand on of the RBP.

*****Menefee*****

19. Perforate with 4" Conventional HSC with centralizers and charges meeting requirements for average penetration in Berea of 12.0" and average perf diameter of 0.33". Perf the following Menefee intervals with 1 spf. Perforate from the top down using centralizers.

3677' - 3680'	(3)	3855' - 3857'	(2)	4029' - 4031'	(2)
3700' - 3702'	(2)	3892' - 3895'	(3)	4121' - 4124'	(3)
3749' - 3753'	(4)	3927' - 3929'	(2)		
3784' - 3789'	(5)	3962' - 3965'	(3)		
3830' - 3835'	(5)	3993' - 3997'	(4)		

Total: 38 holes.

20. TIH with 7-5/8" 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 7-5/8" packer and 2-3/8" tubing. RU stimulation company and prepare to breakdown and balloff with acid. Pump 950 gal. of 15% HCl at 23 bbls/min and slow rate down to 10 bbls/min prior to ball hitting. Drop a total of 57 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 3300 psi.** Acid should contain clay stabilizer, corrosion inhibitor, and iron sequestering agent. Release packer and TOOH.
21. RU wireline. RIH with junk basket and retrieve ball sealers. Record number of hits and balls recovered.
22. TIH with 7-5/8" 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 7-5/8" packer and 3-1/2" frac string. RU stimulation company. Hold safety meeting. Pressure test surface lines to 4300 psi (1000 psi over maximum allowable treating pressure but no greater than working pressure of surface lines). **Maximum treating pressure is 3300 psi.** Fracture Upper Point Lookout according to attached procedure. **Stimulation will be with slickwater and 38,000 lbs. of 20/40 Arizona sand with maximum sand concentration of 2.5 ppg, a rate of 60 bbls/min and 25% pad volume (Fracure stimulate interval according to the attached schedule).** Flush to the top perf. Release packer and TOOH.

ZACHRY #29
Recommend Recompletion Procedure
Unit C Section 33 T29N R10W
Page 4

23. Flow back well (if needed) until returns diminish. TIH with retrieving head and 2-3/8" tubing and clean out to RBP at 4160' until sand returns and water production are minimal. Obtain pitot gauges. Release bridge plug and TOOH.
24. Flow back well (if needed) until returns diminish. TIH with retrieving head and 2-3/8" tubing and clean out to RBP at 4254' until sand returns and water production are minimal. Obtain pitot gauges. Release bridge plug and TOOH.
25. TIH with notched collar on 2-3/8" tubing and clean out to CIBP at 5350' until sand returns and water production are minimal. Obtain pitot gauges. TOOH.
26. TIH with 4427' 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.
27. ND BOP and NU independent wellhead. Pump off plug. **Take final Pitot gauge and gas, oil and water samples.**
28. Rig down and release rig.

Approve:

Team Leader

Approve:

Drilling Superintendent

VENDORS:

Wireline:

Assigned at a later date

Fracturing:

Production Engineer:

Office

326-9703

Home

326-2381

LJB:ljb

Pertinent Data Sheet - Zachry #29

Location: 937' FNL & 1785' FWL, Unit C, Section 33, T29N, R10W, San Juan County, New Mexico

Field: Armenta Gallup

Elevation: 5632' KB

TD: 5998'

PBTD: 5957'

Completed: 1/18/83

Spud Date: 12/3/82

DP #: 32428A

Casing Record:

<u>Hole Size</u>	<u>Csg Size</u>	<u>Wt. & Grade</u>	<u>Depth Set</u>	<u>Cement (Top)</u>
14-3/4"	10-3/4"	40.5# K-55 ST&C	316'	295 cu. ft. (surface)
9-7/8"	7-5/8"	26.4# K-55 LT&C	5345'	2159 cu. ft. (surface)
6-3/4"	5-1/2" liner	15.5# K-55 ST&C	5158'-5998'	190 cu. ft. (5158')

DV Tool @ 2060'

Liner Hanger top @ 5158'

Cement:

Surface: 295 cu. ft. Class "B" w/2% CaCl₂.

1st stage:

1106 cu. ft. of 65-35 Poz. with 12% gel, 1/4 lb. of Flocele, 12-1/2 lb. of Gilsonite, and 117 cu. ft. of class "B" with 2% CaCl₂

2nd Stage:

1053 cu. ft. of 65-35 Poz. with 12% gel, 1/4 lb. of Flocele, 12-1/2 lb. of Gilsonite, and 117 cu. ft. of class "B" with 2% CaCl₂

Liner: 190 cu. ft. 50/50 Pozmix w/2% Gel, .6% FLA, 1/4 # Flocele and 10# salt per sack.

Tubing Record:

<u>Tbg. Size</u>	<u>Wt. & Grade</u>	<u>Depth Set</u>
2-3/8"	4.70# J-55 EUE	5823'

Formation Tops:

Ojo Alamo:	785'	Chacra:	2480'
Kirtland Shale:	832'	Cliffhouse:	3440'
Fruitland:	1605'	Point Lookout:	4185'
Pictured Cliffs:	1868'	Gallup	5395'

Logging Record: D.I.F.L., Temp. Log., C.N.D.L.

Pertinent Data Sheet - Zachry 2^o Con't

Stimulation: **Lower Gallup:** Perforations: 5780, 84, 87, 94, 98, 5804, 09, 12, 15, 22, 30, 35, 42, 47, 54, 61, 68, 80, 89, 98, 5907, 12, 17, 30, 44, 47.
(Total of 26-0.40" holes)
Spotted 200 gallons of 15% HCL across perforations.
Frac'd with 84,000 gallons of 75 quality foam and 102, 600 lb. of 20-40 sand.

Middle Gallup: Perfoations: 5609, 16, 20, 27, 38, 43, 47, 54, 60, 64, 69, 74, 76, 82, 85, 87, 92, 95, 98, 5701, 07, 12, 15, 18, 21, 26, 32, 38, 44. (Total of 29 - 0.40" holes)
Spotted 200 gallons of 15% HCL across perforations.
Frac'd with 81,300 gallons of 75 quality foam and 100,000 lb. of 20-40 sand.

Upper Gallup: Perforations: 5398, 5400, 04, 08, 14, 22, 30, 35, 40, 49, 54, 59, 64, 72, 78, 85, 93, 98, 5502, 06, 14, 24, 36, 41, 47, 54, 58, 66, 70. (Total of 29 - 0.40" holes)
Spotted 250 gallons of 15% HCL across perforations.
Acidized with 1500 gallons of 15% HCL and ball sealers. Frac'd with 94,000 gallons of 75 quality foam and 100,000 lb. of 20-40 sand.

Workover History: NONE