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

5. **Lease Number**
SF-080724A

6. **If Indian, All. or Tribe Name**

7. **Unit Agreement Name**

2. **Name of Operator**
MERIDIAN OIL

8. **Well Name & Number**
Zachry #56

3. **Address & Phone No. of Operator**
PO Box 4289, Farmington, NM 87499 (505) 326-9700

9. **API Well No.**
30-045-25649

4. **Location of Well, Footage, Sec., T, R, M**
369'FSL, 939'FWL, Sec.11, T-28-N, R-10-W, NMPM

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	Type of Action	
_X_ Notice of Intent	___ Abandonment	___ Change of Plans
	_X_ Recompletion	___ New Construction
___ Subsequent Report	___ Plugging Back	___ Non-Routine Fracturing
	___ Casing Repair	___ Water Shut off
___ Final Abandonment	___ Altering Casing	___ Conversion to Injection
	_X_ 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. The Gallup will be temporarily abandoned with a CIBP.

RECEIVED
DEC 15 1995
OIL CON. DIV.
DIST. 3

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

Signed [signature] (KKK2) Title Regulatory Administrator Date 12/5/95

(This space for Federal or State Office use)
APPROVED BY _____ Title _____ Date _____
CONDITION OF APPROVAL, if any:

APPROVED
DEC 06 1995
DISTRICT MANAGER

OK
E

NMOCD

Hold C-102 for NSL (E)

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

RECEIVED 070 FARMINGTON, NM 95 DEC -5 PM 12:16

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

¹ API Number	² Pool Code	³ Pool Name
30-045-25649	72319/2290	Blanco Mesaverde/Armenta Gallup

⁴ Property Code	⁵ Property Name	⁶ Well Number
7654	Zachary	56

⁷ OGRID No.	⁸ Operator Name	⁹ Elevation
14538	MERIDIAN OIL INC.	5719'

¹⁰ Surface Location

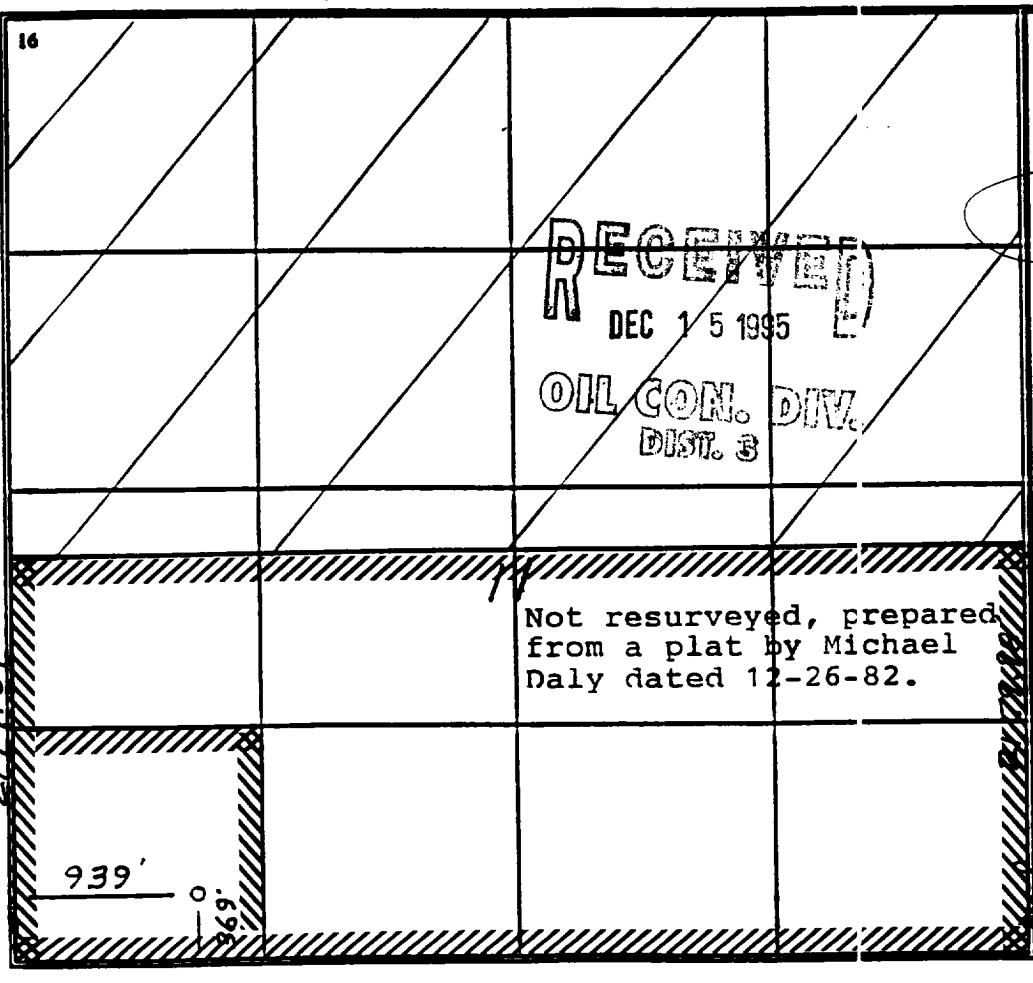
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	11	28 N	10 W		369	South	939	West	S.J.

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	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
All/262.28 - 40			

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



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: Peggy Bradfield

Title: Regulatory Administrator

Date: 12-5-95

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.

Date of Survey: 12-04-95

Signature and Seal of Professional Surveyor: NEALE C. EDWARDS, NEW MEXICO, 8857, REGISTERED LAND SURVEYOR

Certificate Number: 8857

ZACHRY #56
Recommend Recompletion Procedure
Unit M Section 11 T28N R10W
Lat. 36.670349 Long. 107.870331

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 6140' of 2-3/8" tubing. Check wellbore diagram for configuration. Visually inspect for and replace all bad jts.

4. TIH with 2-3/8" tubing with 5-1/2" casing scraper and 4-3/4" bit. Clean out to PBTD 6271' with air.

5. Blow to pit until sand production is minimal to absent. When well is clean, take 15, 30, 45 and 60 minute pitot gauges. TOOH.

6. Set 5-1/2" CIBP at 5370' on 2-3/8" tubing. Load hole with 1% KCl water. TOOH.

7. RU wireline and run CBL/CCL/GR from 4600' to 2600' under 1000 psi surface pressure. TIH with 5-1/2" C1 Full-bore packer and 60' of 2-3/8" tubing and pressure test casing to 3800 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*****

8. 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.

4325' - 4331'	(6)	4436' - 4441'	(5)
4347' - 4350'	(3)	4512' - 4514'	(2)
4398' - 4402'	(4)	4519' - 4524'	(5)

Total: 25 holes.

9. TIH with 5-1/2" C1 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 5-1/2" packer and 2-3/8" tubing. RU stimulation company and prepare to breakdown and balloff with acid. Pump 625 gal. of 15% HCl at 15 bbls/min and slow rate down to 10 bbls/min prior to ball hitting. Drop a total of 37 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 3800 psi.** Acid should contain clay stabilizer, corrosion inhibitor, and iron sequestering agent. TOOH with tubing and packer.

10. RU wireline. RIH with junk basket and push balls below the bottom perfs.

11. TIH with 5-1/2" C1 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 5-1/2" packer and 3-1/2" frac string. RU stimulation company. Hold safety meeting. Pressure test surface lines to 4800 psi (1000 psi over maximum allowable treating pressure but no greater than working pressure of surface lines). **Maximum treating pressure is 3800 psi.** Fracture Lower Point Lookout according to attached procedure. **Stimulation will be with slickwater and 25,000 lbs. of 20/40 Arizona sand with maximum sand concentration of 2.5 ppg, a rate of 40 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.

12. Wireline set 5-1/2" RBP at 4310'. TIH with 5-1/2" C1 Full-bore packer on 2-7/8" tubing and set at 60'. Test bridge plug and casing to 3800 psi for 15 minutes. Release packer and TOOH. Run dump bailer and dump 2 sxs sand on of the RBP.

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

13. 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.

4198' - 4215'	(17)	4243' - 4246'	(3)
4228' - 4231'	(3)	4261' - 4274'	(13)
4235' - 4238'	(3)	4280' - 4285'	(5)

Total: 44 holes.

14. TIH with 5-1/2" C1 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 5-1/2" packer and 2-3/8" tubing. RU stimulation company and prepare to breakdown and balloff with acid. Pump 1100 gal. of 15% HCl at 26 bbls/min and slow rate down to 10 bbls/min prior to ball hitting. Drop a total of 66 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 3800 psi.** Acid should contain clay stabilizer, corrosion inhibitor, and iron sequestering agent. Release packer and TOOH.

15. RU wireline. RIH with junk basket and retrieve ball sealers. Record number of hits and balls recovered.

16. TIH with 5-1/2" C1 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 5-1/2" packer and 3-1/2" frac string. RU stimulation company. Hold safety meeting. Pressure test surface lines to 4800 psi (1000 psi over maximum allowable treating pressure but no greater than working pressure of surface lines). **Maximum treating pressure is 3800 psi.** Fracture Upper Point Lookout according to attached procedure. **Stimulation will be with slickwater and 44,000 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.

17. Wireline set 5-1/2" RBP at 4185'. TIH with 5-1/2" C1 Full-bore packer on 2-7/8" tubing and set at 60'. Test bridge plug and casing to 3800 psi for 15 minutes Release packer and TOOH. Run dump bailer and dump 2 sxs sand on of the RBP.

*****Menefee*****

18. 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.

3837' - 3845'	(8)
4013' - 4021'	(8)
4087' - 4092'	(5)
4161' - 4168'	(7)

Total: 28 holes.

19. TIH with 5-1/2" C1 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 5-1/2" packer and 2-3/8" tubing. RU stimulation company and prepare to breakdown and balloff with acid. Pump 700 gal. of 15% HCl at 17 bbls/min and slow rate down to 10 bbls/min prior to ball hitting. Drop a total of 42 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 3800 psi.** Acid should contain clay stabilizer, corrosion inhibitor, and iron sequestering agent. Release packer and TOOH.

20. RU wireline. RIH with junk basket and retrieve ball sealers. Record number of hits and balls recovered.

21. TIH with 5-1/2" C1 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 5-1/2" packer and 3-1/2" frac string. RU stimulation company. Hold safety meeting. Pressure test surface lines to 4800 psi (1000 psi over maximum allowable treating pressure but no greater than working pressure of surface lines). **Maximum treating pressure is 3800 psi.** Fracture Menefee according to attached procedure. **Stimulation will be with slickwater and 28,000 lbs. of 20/40 Arizona sand with maximum sand concentration of 2.5 ppg, a rate of 42 bbls/min and 25% pad volume (Fracure stimulate interval according to the attached schedule).** Flush to the top perf. Release packer and TOOH.

22. Flow back well (if needed) until returns diminish. TIH with retrieving head and 2-3/8" tubing and clean out to RBP at 4185' until sand returns and water production are minimal. Obtain pitot gauges. Release bridge plug and TOOH.

23. Flow back well (if needed) until returns diminish. T H with retrieving head and 2-3/8" tubing and clean out to RBP at 4310' until sand returns and wate1 production are minimal. Obtain pitot gauges. Release bridge plug and TOOH.

24. TIH with notched collar on 2-3/8" tubing and clean out to CIBP at 5370' until sand returns and water production are minimal. Obtain pitot gauges. TOOH.

25. TIH with 4524' 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. Lar d tubing string.

26. ND BOP and NU independent wellhead. Pump off p ug. **Take final Pitot gauge and gas, oil and water samples.**

27. Rig down and release rig.

Approve: _____ Approve: _____
Team Leader Drilling Superintendent

VENDORS:

Wireline:	Assigned at a late · date	
Fracturing:		
Production Engineer:	Office	326-9703
	Home	326-2381

LJB:ljb

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Pertinent Data Sheet - Zachary #56

Location: 369' FSL & 939' FWL, Unit M, Section 11, T28N, R10W, San Juan County, New Mexico

Field: Armenta Gallup **Elevation:** 5731' RKB, 5719' GR **TD:** 6320' **PBTD:** 6271'

Completed: 7/7/83 **Spud Date:** 6/22/83 **DP #:** 32471A

Casing Record:

Hole Size	Csg Size	Wt. & Grade	Depth Set	Cement (Top)
12-1/4"	8-5/8"	24.00# K-55 ST&C	317'	254 cu. ft. (surface)
7-7/8"	5-1/2"	15.50# K-55 LT&C	6304'	2692 cu. ft. (surface, 3 Stages))

1st DV Tool @ 4457'
2nd DV Tool @ 2104'

Surface: 254 cu. ft. Class "B" w/2% $CaCl_2$.

1st stage:
489 cu ft 50-50 Poz, with 2% gel, .6% FLA, 6-1/4# Gilsonite, 1/4# Flocele, and 10# salt per sack.

2nd Stage:
860 cu ft 65-35 Poz, with 6% gel, 12-1/4# Gilsonite and 1/4# Flocele per sack followed by 118 cu ft Cl B with 2% CaCl2.

3rd Stage:
1166 cu ft 65-35 Poz, with 12% gel, 12-1/4# Gilsonite and 1/4# Flocele per sack followed by 59 cu ft Cl B with 2% CaCl2.

Tubing Record:

Tbg. Size	Wt. & Grade	Depth Set
2-3/8"	4.70# J-55 EUE	6140'

Formation Tops:

Ojo Alamo:	700'	Chacra:	2500'
Kirtland Shale:	940'	Cliffhouse:	3520'
Fruitland:	1550'	Point Lookout:	4190'
Pictured Cliffs:	1920'	Mancos:	4535'
Lewis:	2010'	Gallup	5415'

Logging Record: CDL-CNL-GR, DIL-GR

Stimulation:

Perfs: 6189'-6246' Break down and acidize with 250 gallons 15% HCL and 1500 gallons MSR acid with 800 SCF N2.

Perfs: 5420'-5886' Break down and acidize with 3250 gallons 15% HCL. Fracture with 258,960 gallons 2% HCL slick water and 275,000# sand.

Workover History: NONE