

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  
1120'FNL, 1065'FWL, Sec.14, T-27-N, R-3-W, NMPM

5. Lease Number  
Jic Contract 89  
6. If Indian, All. or  
Tribe Name  
Jicarilla Apache  
7. Unit Agreement Name

8. Well Name & Number  
Jicarilla 89 #2A  
9. API Well No.  
30-039-21811  
10. Field and Pool  
Gavilan Pictured Cliffs/  
Blanco Mesaverde  
11. County and State  
Rio Arriba 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 Pictured Cliffs formation according to the attached procedure and wellbore diagram. The Pictured Cliffs will then be commingled with the existing Mesaverde production. Application for down-hole commingling is being made to the New Mexico Oil Conservation Division.

RECEIVED  
JAN 19 1995

OIL CON. DIV.  
DIST. 3

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

Signed [Signature] (CAN9) Title Regulatory Affairs Date 1/5/95

(This space for Federal or State Office Use)  
APPROVED BY [Signature] Title Chief, Lands and Mineral Resources Date JAN 18 1995  
CONDITION OF APPROVAL, if any:

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District I  
PO Box 1980, Hobbs, NM 88241-1980  
District II  
PO Drawer DD, Artesia, NM 88211-0719  
District III  
1000 Rio Huerfano 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  
Revised February 21.  
Instructions on  
Submit to Appropriate District C  
State Lease - 4 C  
Fee Lease - 3 C

☐ AMENDED REF

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-039-21811		Pool Code 77360/72319	Pool Name Cavilan Pictured Cliffs/Blanco Mesaverde
Property Code 7162	Property Name Jicarilla 89		Well Number 2A
OGRID No. 14538	Operator Name MERIDIAN OIL INC.		Elevation 7025'

10 Surface Location

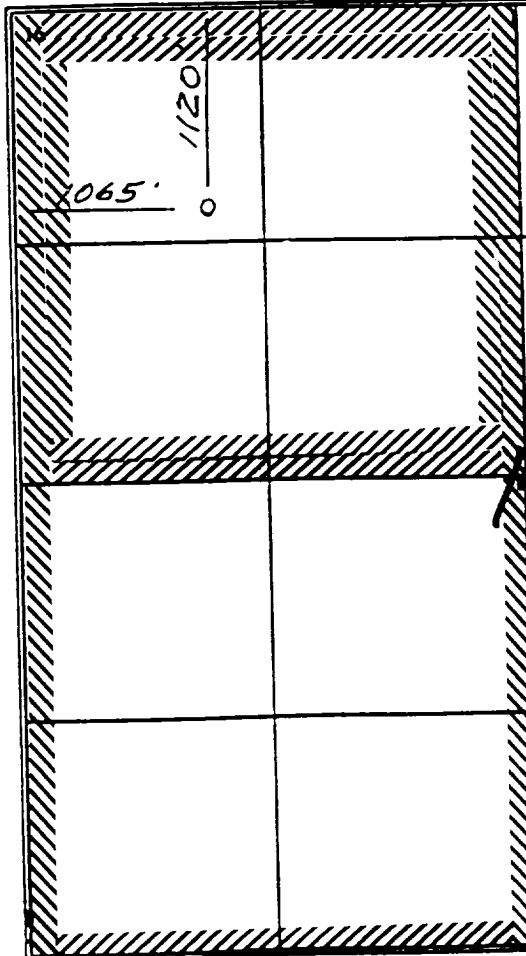
UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
D	14	27N	3W		1120	North	1065	West	R.A.

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 160-W/320	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 2-17-78 by Curtis A. Callaway.	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and  Signature: <i>Peggy Bradfield</i> Printed Name: Peggy Bradfield Title: Regulatory Affairs Date: 1-5-95
		18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this was plotted from field notes of actual surveys made or under my supervision, and that the same is true correct to the best of my belief. Date of Survey: 1-5-95 Signature and Seal of Professional Surveyor: <i>NEALE C. EDWARDS</i> Certificate Number: 8857

## JICARILLA 89 #2A

Unit D, Section 14, T27N, R03W  
Recommended Recompletion Procedure  
*Pictured Cliffs Pay Add & Completion*

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Inspect location and install and/or test rig anchors. Install 1 - 400 bbl rig tank and fill w/ 2% KCl water. Approximately 194 jts. 2-3/8" 4.7# J-55 tubing will be required (MOI, District Tools) for cleanout and production. Comply with all BLM, NMOCD, Jicarilla Apache, and MOI rules and regulations. Notify engineering when work has commenced. Hold Safety Meetings on a regular basis.

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**\*\*\*\*\*All vendors/service companies on location will be responsible for protection of the environment, any questions call \_\_\_\_\_ at \_\_\_\_\_-\_\_\_\_\_.\*\*\*\*\***

1. Install 2 X 400 bbl frac tanks and fill with 480 bbls 2% KCl water.
2. Hold Safety Meeting. MIRU. Place fire and safety equipment in easily accessible locations. NU relief line and blooie line to laydown flow tank. Obtain and record all wellhead pressures.
3. Blow down tubing. If tubing will not blow down, kill well with KCl water. ND WH, NU BOP PBTD is 6100'.
4. TIH and Check PBTD, Obtain baseline gauge if possible. TOOH with 5850' of 2-3/8" 4.70# tubing, visually inspect and tally tubing.
5. RU wireline. RIH with 4-1/2" 10.5# gauge ring to 5600' and check pipe. PU 4-1/2" Retrievable bridge plug, TIH and set bridge plug at 3860'. Dump 2 sx sand on RBP. Run GR - CBL - CCL in 4-1/2 casing from bridge plug to Surface pipe (Circ. cmt stg1, Circ. cmt. stg 2, Cmt fell back to 1150' by TS.). Good TOC must be above 3550' to continue. Evaluate GR - CBL - CCL and send copy to production engineering.
6. TIH w/ pkr and one stand 2-7/8" tbg. Pressure test pkr and one stand 2-7/8" tbg and casing to 2800 psi. for 15 min. If pressure test fails, prepare to test and repair casing. Contact Production Engineering and a casing repair will be submitted. TOOH with pkr and one stand 2-7/8" tbg.

### Pictured Cliffs Stimulation:

7. Select-Fire Perf. the following intervals w/ 3-1/8" HSC -3125-306, 12 gram Owen charges 0.31" holes w/ 12.02 " penetration, 2 spf - 180° phasing:  
  
**3606' - 3800'. (38 Holes) Actual settings for Select-Fire will be picked prior to giving the logs to the Perforating Company.**
8. RD wireline. TIH w/ pkr and one stand 2-7/8" tbg.
9. RU stimulation company. **Hold Safety Meeting.** Pressure test surface treating lines to 3500 psi. **Maximum STP during acid job is 2800 psi.** Pump 1,000 gals 15% HCl w/additives (DAD) at a rate of 8 - 10 BPM, attempt to ball-out the perforations. Drop a total of 60 7/8" RCN ball sealers (1.3sp.gr.) spaced evenly throughout the job. Record rates and pressures while attempting to achieve ball-out. TOOH w/ tbg and pkr.
10. RD stimulation company. RU wireline and make junk basket run to retrieve balls. Record balls recovered and hits. TIH w/ pkr and one stand 2-7/8" tbg. RU stimulation company. Prepare to fracture stimulate the Pictured Cliffs.

**Jicarilla 89 #2A  
Pictured Cliffs Pay-Add**

11. Pressure test surface treating lines to 4000 psi. **Maximum treating pressure is 2800 psi.** Fracture stimulate the PC according to the attached procedure. Flow-back the well immediately using a variable choke manifold. Increase choke size as needed to keep the well from logging off, if possible. When pressures and flow rates allow, TOOH w/ pkr and one stand 2-7/8" tbg.
12. TIH w/ retrieving head and 2-3/8" 4.70# workstring and clean out to the retrievable bridge plug @ 3860' with air until sand and water production is minimal. Obtain flow gauge for the Pictured Cliffs formation. Record flow gauge as the Pictured Cliffs formation only. Latch onto the retrievable bridge plug and TOOH.
13. TIH w/ one joint 2-3/8" 4.7# J-55 tubing, seating nipple, expendable check and 2-3/8" production tubing. Cleanout to 6100' with air. Land tubing @ +/-6000' (100' of rathole) and obtain final flow gauge. ND BOP, NU WH. Contact Production Operations for well tie-in. RD and MOL.

Approved: PJB.A  
Drilling Superintendent

**Suggested Contacts/Vendors:**

Trucking/Water haul:	Dawn Trucking	327-6314
Wireline:	Blue Jet	325-5584
Tubing:	MOI, District Tools	326-9826
Stimulation:	Schlumberger, Dowell	325-5096
Packer and RBP:	Mountain States	326-5141
Rig Supervisor:		
Production Oper.:	Bruce Voiles	326-9571
Engineering:	Brian Ault	326-9871 w 326-6613 h

**Pertinent Data Sheet - Jicarilla 89 #2A**

**Location:** 1120' FNL, 1065' FWL, Unit D, Section 14, T-27-N, R-03-W; Rio Arriba County, NM  
Lat. 36.548782, Long. 107.136490; GITI

**Field:** Blanco Mesaverde  
Gavilan Pictured Cliffs

**Elevation:** 7025' GL

**TD:** 6150'  
**PBTD:** 6100'

**Spud Date:** 11/02/78  
**Completed:** 12/04/78

**DP#:** 29183A (MV)  
**Prop. #:** 071337600  
**GWI:** 100%  
**NRI:** 87.5%

**Casing Record:**

<u>Hole Size</u>	<u>Casing Size</u>	<u>Weight &amp; Grade</u>	<u>Depth Set</u>	<u>Cement</u>	<u>Top/Cement</u>
12-1/4"	8-5/8"	20.0# K-55	337'	200 sx	Surface
7-7/8"	4-1/2"	10.5# K-55	6150'	2485 sx	**

\*\* Two Stage, w/ DV tool @ 3945'.

Stage 1, 770 sx, w/ 50 sx cmt. circ.  
Stage 2, 1715 sx, lost circ., cmt fell back, TOC @ 1150' (TS)

**Tubing Record:**

<u>Tubing Size</u>	<u>Weight &amp; Grade</u>	<u>Depth Set</u>	<u>Seat Nipple</u>
2-3/8"	4.70# J-55	5850' (186 jts.)	5820'

**Formation Tops:**

Ojo Alamo	3745'
Cliffhouse	5573'
Mancos	6073'

**Logging Record:** Induction, TS, GR-Neutron/Density

**Stimulation:**

<u>Perfed Lower Mesaverde:</u>	5965' - 6050'
<u>Fraced Lower Mesaverde:</u>	121,000 lbs sand and 57,600 gallons XL gel.
<u>Perfed Upper Mesaverde:</u>	5619' - 5849'
<u>Fraced Upper Mesaverde:</u>	232,500 lbs sand and 109,700 gallons XL gel.

**Transporter:** Gas - Williams Field Service

# Jicarilla 89 #2A

Unit D, Sec. 14, T27N, R03W  
Lat. 36.548782 Long. 107.136490  
*Pictured Cliffs Pay Add and Stimulation*

