

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, 1120'FEL, Sec.11, 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 #4A
9. API Well No.
30-039-22875
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:

Submit Sundry showing where top of cement is.

②

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer 00, Artesia, NM 88211-0719
District III
1000 Klu 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 1
Revised February 21,
Instructions on
Submit to Appropriate District 1
State Lease - 4 C
Fee Lease - 3 C

☐ AMENDED REI

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-039-22875		Pool Code 77360/72319	Pool Name Cavilan Pictured Cliffs/Blanco Mesaverde
Property Code 7162	Property Name Jicarilla 89		Well Number 4A
OGRID No. 14538	Operator Name MERIDIAN OIL INC.		Elevation 7028'

10 Surface Location

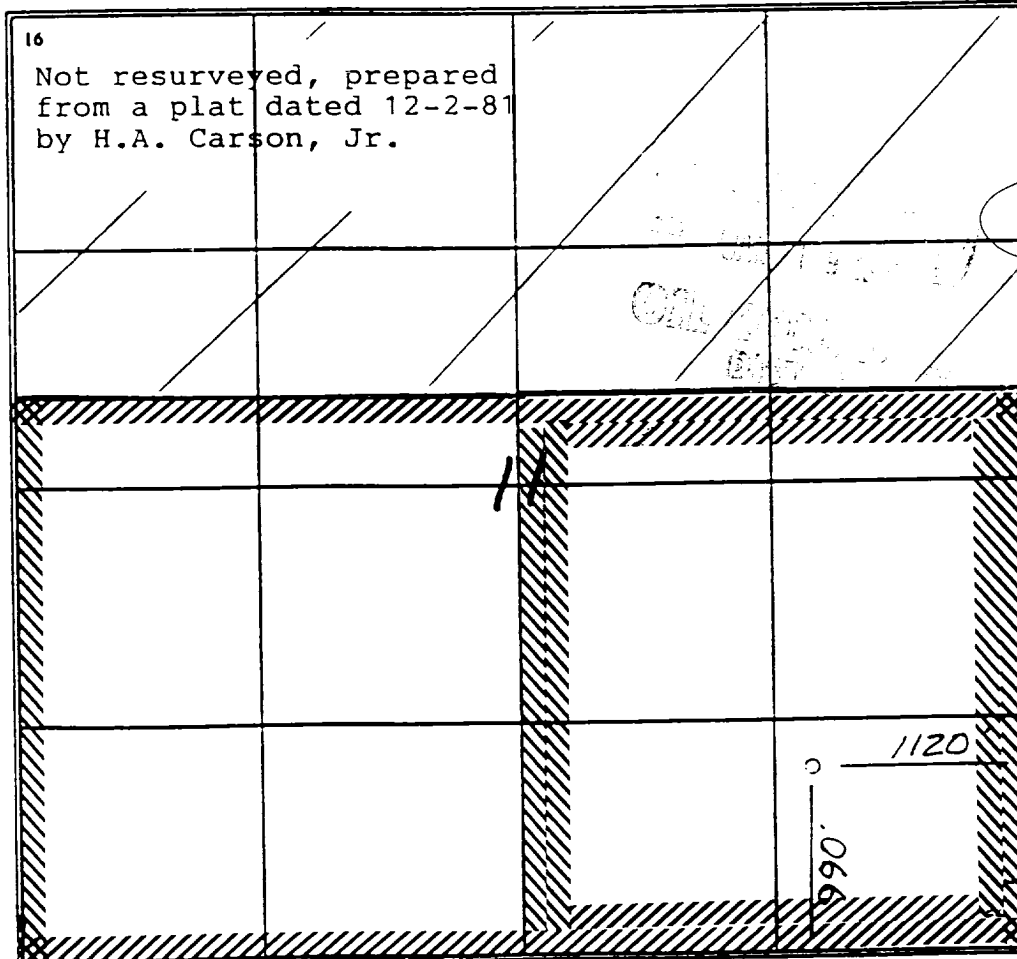
UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
P	11	27N	3W		990	South	1120	East	R.A.

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 183.96 All/367.60	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



17 OPERATOR CERTIFICATE

I hereby certify that the information contained here is true and complete to the best of my knowledge and

Signature
Peggy Bradfield
Printed Name
Regulatory Affairs
Title
1-5-95
Date

18 SURVEYOR CERTIFICATE

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.

1-4-95
Date of Survey
Signature and Seal of Professional Surveyor:
NEALE C. EDWARDS
8857
8857
Certificate Number

JICARILLA 89 #4A
Unit P, Section 11, T27N, R03W
Recommended Recompletion Procedure
Pictured Cliffs Pay Add & Completion

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.

*******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 720 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 6070'. TIH and check to PBTD. Obtain baseline guage if possible.
4. TOOH with 5612' of 2-3/8" 4.70# tubing, visually inspect and tally tubing.
5. RU wireline. RIH with 5-1/2" 14# guage ring to 5570' and check pipe. PU 5-1/2" Retrievable bridge plug, TIH and set bridge plug at 3870'. Dump 2 sx sand on RBP. Run GR - CBL - CCL in 5-1/2 casing from bridge plug to Surface pipe (Circ. cmt stg1, Circ. cmt. stg 2.). Good TOC must be above 3500' 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:

3554' - 3810'. (80 Holes) Actual settings for Select-Fire will picked prior to giving the logs to the Perforating Company.
8. RD wireline. TIH w/ pkr and 2-3/8" tbg and set pkr at +/-3450'.
9. RU stimulation company. **Hold Safety Meeting.** Pressure test surface treating lines to 5000 psi. **Maximum STP during acid job is 4000 psi.** Pump 1,600 gals 15% HCl w/additives (DAD) at a rate of 3-5 BPM, attempt to ball-out the perforations. Drop a total of 135 7/8" RCN ball sealers (1.3sp.gr.) spaced evenly throughout the job. Record rates and pressures while attempting to achieve ball-out.
10. RD stimulation company. Knock off balls w/ pkr, then TOOH w/ pkr and 2-3/8" tbg. TIH w/ pkr and one stand 2-7/8" tbg. RU stimulation company. Prepare to fracture stimulate the Pictured Cliffs.

**Jicarilla 89 #4A
Pictured Cliffs Pay-Add**

11. Pressure test surface treating lines to 4000 psi. **Maximum treating pressure is 2800 psi.** Fracture and tag 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 @ 3870' 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. RU wireline, run After-frac Tracer Survey-GammaRay (report if frac stayed in zone, if possible), POOH. RD wireline. Send copy of logs to Production Engineering.
14. TIH w/ one joint 2-3/8" 4.7# J-55 tubing, seating nipple, expendable check and 2-3/8" production tubing. Cleanout to 6070' with air. Land tubing @ +/-6000' (70' of rathole) and obtain final flow gauge. ND BOP, NU WH. Contact Production Operations for well tie-in. RD and MOL.

Approved: _____

Drilling Superintendent

Suggested Contacts/Vendors:

Trucking/Water haul:	Dawn Trucking	327-6314
Wireline:	Blue Jet	325-5584
Radioactive Tag:	ProTechnics, Intl	326-7133
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 #4A

Location: 990' FSL, 1120' FEL, Unit P, Section 11, T-27-N, R-03-W; Rio Arriba County, NM
Lat. 36.583359, Long. 107.108353; GITI

Field: Blanco Mesaverde
Gavilan Pictured Cliffs

Elevation: 7028' GL

TD: 6130'
PBTD: 6070'

Spud Date: 01/26/82

DP#: 29187A

Completed: 04/06/82

Prop. #: 071337600

GWI: 100%

NRI: 87.5%

Casing Record:

<u>Hole Size</u>	<u>Casing Size</u>	<u>Weight & Grade</u>	<u>Depth Set</u>	<u>Cement</u>	<u>Top/Cement</u>
12-1/4"	8-5/8"	20# MU-46	353'	250 sx	Surface
7-7/8"	5-1/2"	14 & 15.5# K-55	6130'	1700 sx *	Surface

* Two Stage, w/ DV tool @ 4407'. Stage 1, 700 sx, w/ 25 sx cmt. circ.
Stage 2, 1000 sx, w/ 45 sx cmt circ.

Tubing Record:

<u>Tubing Size</u>	<u>Weight & Grade</u>	<u>Depth Set</u>	<u>SN</u>
2-3/8"	4.70# J-55	5612' (178 jts)	5575'

Formation Tops:

Ojo Alamo	3236'
Kirtland	3452'
Pictured Cliffs	3702'
Lewis	3828'
Cliffhouse	5580'
Menefee	5610'
Point Lookout	5874'
Mancos	6070'

Logging Record: Dual Induction SFL, Comp Neutron, Formation Density, PDC

Stimulation: Perfed Pt. LO, CH-MF: 5581' - 5689', 5790' - 6058'
 Fraced Pt. LO, CH-MF: (2 stgs) 74,000 lbs sand and 94,000 gallons water and
 72,000 lbs sand and 92,400 gallons water.

Transporter: Gas - Williams Field Service

Jicarilla 89 #4A

Unit P, Sec. 11, T27N, R03W
Lat. 36.583359 Long. 107.108353

Pictured Cliffs Pay Add and Stimulation

