

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, 1838'FWL, Sec.13, 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 #7

9. API Well No.

30-039-22879

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

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 -

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 17 1995

OIL CON. DIV.
DET. 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 Chief, Lands and Mineral Resources)

APPROVED BY [Signature] Title Chief Date JAN 13 1995

CONDITION OF APPROVAL, if any:

C

District I
PO Box 1980, 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
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

AP# Number 30-039-22879		Pool Code 77360/72319	Pool Name Gavilan Pictured Cliffs/Blanco Mesaverde
Property Code 7162	Property Name Jicarilla 89		Well Number 7
OGRID No. 14538	Operator Name MERIDIAN OIL INC.		Elevation 7081'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Ids	Feet from the	North/South line	Feet from the	East/West line	County
N	13	27N	3W		990	South	1838	West	R.A.

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ids	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres 160-S/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

¹⁶ Not resurveyed, prepared from a plat dated 12-2-81 by H.A. Carson, Jr.	RECEIVED JAN 17 1995 OIL CON. DIV. DIST. 3	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature: <u>Peggy Bradfield</u> Printed Name: <u>Peggy Bradfield</u> Regulatory Affairs Title: <u>Regulatory Affairs</u> Date: <u>1-5-95</u>
 1838' 990'		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 and correct to the best of my belief. 1-4-95 Date of Survey: <u>1-4-95</u> Signature and Seal of Professional Surveyor: <u>HERNAN C. EDWARDS</u> Certificate Number: <u>8857</u>

JICARILLA 89 #7
Unit P, Section 13, 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 196 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 630 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 6113'.
4. TIH, check PBTD and obtain baseline guage if possible. TOO H with 5601' of 2-3/8" 4.70# tubing, visually inspect and tally tubing.
5. RU wireline. RIH with 5-1/2" 14# guage ring to 5530' and check pipe. PU 5-1/2" Retrievable bridge plug, TIH and set bridge plug at 3855'. Dump 2 sx sand on RBP. Run GR - CBL - CCL in 5-1/2 casing from bridge plug to Surface pipe (See WBDiagram.). Good TOC must be above 3525' 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 1000 psi. for 15 min. *Sqz'd hole in Ojo Alamo may not hold so a fracstring may be required. If pressure test fails, prepare to test and repair casing. Contact Production Engineering and a casing repair will be submitted. TOO H 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:

3575' - 3824'. (60 Holes) Actual settings for Select-Fire will picked prior to giving the logs to the Perforating Company.
8. RD wireline. TIH w/ pkr and 2-7/8" fracstring and set at +/-3500'.
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 100 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 reset at 3500' . RU stimulation company. Prepare to fracture stimulate the Pictured Cliffs.

**Jicarilla 89 #7
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 @ 3880' 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 6113' with air. Land tubing @ +/-6050' (63' 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 #7

Location: 990' FSL, 1838' FWL, Unit ¹¹ 7, Section 13, T-27-N, R-03-W; Rio Arriba County, NM
Lat. 36.568756, Long. 107.098221; GITI

Field: Blanco Mesaverde
Gavilan Pictured Cliffs

Elevation: 7081' GL

TD: 6150'
PBTD: 6113'

Spud Date: 02/22/82

Completed: 06/04/82

DP#: 29191A

Prop. #: 071337600

GWl: 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"	24# K-55	364'	250 sx	Surface
7-7/8"	5-1/2"	14 & 15.5# K-55	6150'	650 sx *	**

* Two Stage, w/ DV tool @ 4393'.

Stage 1, 650 sx. Float would not hold, opened DV tool, could not circulate, ran TS, TOC 3400'.

Stage 2, 0 sx, w/ ---bbls cmt circ. Sqz'd DV tool w/ 200 sx Perfed & sqz'd (Ojo Alamo) @ 3350' w/ 50 sx Bradenhead

Tubing Record:

<u>Tubing Size</u>	<u>Weight & Grade</u>	<u>Depth Set</u>	<u>S. N.</u>
2-3/8"	4.70# J-55	5601'	5563'

Formation Tops:

Ojo Alamo	3296'
Kirtland	3476'
Pictured Cliffs	3716'
Lewis	3832'
Cliffhouse	5539'
Menefee	5588'
Point Lookout	5860'
Mancos	6076'

Logging Record: DIL, CD-LN, GR

Stimulation: Perfed Mesaverde: 5540' - 5586', 5616' - 5912', 6000' - 6070'
Faced Mesaverde: 99,360 lbs sand and 110,124 gallons water. Screen out on flush

Transporter: Gas - Williams Field Service
Oil - Gary Williams Energy