

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, 990' FWL, Sec. 26, T-27-N, R-3-W, NMPM

5. Lease Number  
Jic Contract 95  
6. If Indian, All. or  
Tribe Name  
Jicarilla Apache  
7. Unit Agreement Name  
8. Well Name & Number  
Jicarilla 95 #4  
9. API Well No.  
30-039-06882  
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

<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other -	

13. Describe Proposed or Completed Operations

It is intended to workover the subject well and add pay to the Pictured Cliffs zone according to the attached procedure and wellbore diagram. After the workover, the well will be commingled. A down-hole commingling order has been applied for with the New Mexico Oil Conservation Division.

RECEIVED  
JAN 26 1995  
OIL CON. DIV.  
DIST. 3

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

Signed [Signature] (CAN9) Title Regulatory Affairs Date 12/29/94

(This space for Federal or State Office Chief, Lands and Mineral Resources)

APPROVED BY [Signature] Title \_\_\_\_\_ Date JAN 25 1995

CONDITION OF APPROVAL, if any:

(4)

## JICARILLA 95 #4

Unit M, Section 26, 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 202 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 1 X 400 bbl frac tanks and fill with 380 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 6326'.
4. TOOH with 3927'(PC, lay down) and 5702'(MV) of 2-3/8" 4.70# tubing (Pluck Model D @ 5694'), CO to COTD (6326'), visually inspect and tally tubing.
5. RU wireline. RIH with 7-5/8" 24# guage ring to 4150' then RIH with 5-1/2" 15.5# guage ring to 5710' and check pipe. PU 7-5/8" Retrievable bridge plug, TIH and set bridge plug at 3930'. Dump 2 sx sand on RBP. Run GR - CBL - CCL in 7-5/8" casing from bridge plug to Surface pipe (Estimated TOC at 2860' by Temp. Survey). Good TOC must be above 3740' 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:  
  
**3792' - 3906'. (26 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 2-3/8" tbg and set pkr at +/-3740'.
9. RU stimulation company. **Hold Safety Meeting.** Pressure test surface treating lines to 5000 psi. **Maximum STP during acid job is 4000 psi.** Pump 850 gals 15% HCl w/additives (DAD) at a rate of 3-5 BPM, attempt to ball-out the perforations. Drop a total of 45 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 95 #4  
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 @ 3940' 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 6326' with air. Land tubing @ +/-6210' (116' 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
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 95 #4**

**Location:** 990' FSL, 990' FWL, Unit M, Section 26, T-27-N, R-03-W; Rio Arriba County, NM  
Lat. 36.539703, Long. 107.119186 GITI

**Field:** Blanco Mesaverde  
Gavilan Pictured Cliffs

**Elevation:** 7276' GL      **TD:** 6360'  
**PBTD:** 6326'

**Spud Date:** 09/03/57

**DP#:** 29211A & B

**Completed:** 10/06/57

**Prop. #:** 071337100

**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>
15"	10-3/4"	32.75# H-40	306'	250 sx	Surface
9-7/8"	7-5/8"	24# H-40	4340'	200 sx	2860' (TS)
6-3/4"	5-1/2"	15.5# J-55	6360'	150 sx	5750' (TS)

\*\* 5-1/2" liner set @ 6360' and top of liner @ 4166. Sqz'd liner @ 5745' w/ 100 sx.

**Tubing Record:**

<u>Tubing Size</u>	<u>Weight &amp; Grade</u>	<u>Depth Set</u>
2-3/8" (2")	4.70# J-55	5702' MV w/ 4 gas lift valves
		3927' PC Baker Model 'D' Pkr @ 5694'

**Formation Tops:**

Ojo Alamo	3460'
Kirtland	3676'
Pictured Cliffs	3937'
Lewis	4030'
Cliffhouse	5715'
Menefee	5783'
Point Lookout	6066'
Mancos	6251'

**Logging Record:** Induction Log, TS, Gamma Ray - Neutron

<b><u>Stimulation:</u></b>	<b><u>Perfed Mesaverde:</u></b>	5726' - 6249'
	<b><u>Fraced Mesaverde:</u></b>	110,000 lbs sand and 110,000 gallons water
	<b><u>Perfed Pictured Cliffs:</u></b>	3938' - 4028'
	<b><u>Fraced Pictured Cliffs:</u></b>	35,000 lbs sand and 35,000 gallons water

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

# Jicarilla 95 #4

Unit M. Sec. 26. T27N. R03W  
Lat. 36.539703 Long. 107.119186  
*Pictured Cliffs Pay Add and Stimulation*

**CURRENT**

**PROPOSED**

10-3/4" 32.75# H-40 CSG  
SET @ 306'  
CIRC. CMT TO SURFACE

2-3/8" 4.7# J-55 tubing set @ 3927' (PC)  
2-3/8" 4.7# J-55 tubing set @ 5702' (MV)

2-3/8" 4.7# J-55 tubing set @ +/-6200'

OJO ALAMO @ 3460'

KIRTLAND @ 3676'

PICTURED CLIFFS @ 3937'

LEWIS @ 4030'

TOC @ 2860' by TS

Proposed Upper Pictured  
Cliffs Perfs 3792' - 3906'

Existing Main Pictured  
Cliffs Perfs 3938' - 4028'

Top of Liner @ 4166'

7-5/8" 24# Csg. Set @ 4340'

Packer @ 5694'

SQZ'D @ 5745' w/100 sx.

Existing Mesaverde  
Perfs 5726' - 6249'

CLIFFHOUSE @ 5715'

MENEFEE @ 5783'

PT. LOOKOUT @ 6066'

MANCOS @ 6251'

5-1/2" 15.5# J-55 Liner Set @ 6360'  
Top of Cement @ 5750' (TS)

TD 6360'

TD 6360'  
PBSD 6326'