

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
1039'FNL, 1039'FEL, 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 #5
9. API Well No.
30-039-07096
10. Field and Pool
Gavilan Pict.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.

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 Use)
APPROVED BY [Signature] Title for Chief, Lands and Mineral Resources Date JAN 24 1995
CONDITION OF APPROVAL, if any:

JICARILLA 89 #5

Unit A, Section 14, 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 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 6029'.
4. TOOH with 3742' (PC, lay down) then 5499' (MV) of 2-3/8" 4.70# tubing (Pluck Model D at 5507'), CO to COTD (6029'), visually inspect and tally tubing.
5. RU wireline. RIH with 7-5/8" 26.4# guage ring to 3800' and check pipe. PU 7-5/8" Retrievable bridge plug, TIH and set bridge plug at 3714'. Dump 2 sx sand on RBP. Run GR - CBL - CCL in 7-5/8" casing from bridge plug to Surface pipe (Estimated TOC at 3010' by Temp. Survey). Good TOC must be above 3486' 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:

3536' - 3706'. (36 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 +/-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 1,000 gals 15% HCl w/additives (DAD) at a rate of 3-5 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.
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 #5
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 @ 3714' 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 6029' with air. Land tubing @ +/-5980' (49' 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 #5

Location: 1309' FNL, 1309' FEL, Unit A, Section 14, T-27-N, R-03-W; Rio Arriba County, NM
Lat. 36.577835, Long. 107.108047; GITI

Field: Blanco Mesaverde
Gavilan Pictured Cliffs

Elevation: 6985' GL

TD: 6060'
PBTD: 6029'

Spud Date: 07/16/58

DP#: 29188A & B (MV & PC)

Completed: 09/02/58

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>
15"	10-3/4"	32.75# H-40	308'	240 sx	Surface
9-7/8"	7-5/8"	26.40# J-55	3985'	125 sx	3010' (TS) *
6-3/4"	5"	15# J-55	6060' **	225 sx	3808'

* Hole in 7-5/8" csg @ 1342' - 1394'. Cut csg @ 1477'. Reran 7-5/8", tied in & pressure tested to 3000 psi - OK

** 5" liner set @ 6060' and top of liner @ 3808'. Circ. 2 bbl to surface.

Tubing Record:

<u>Tubing Size</u>	<u>Weight & Grade</u>	<u>Depth Set</u>	<u>Seat Nipple</u>
2-3/8"	4.70# J-55	5499' (175 jts) Baker Model 'D' pkr @5507' Tail pipe to 5986' GLV's @ 1170', 1989', 2812', & 3625'	5957'
2-3/8"	4.70# J-55	3742' (121 jts)	3710'

Formation Tops:

Ojo Alamo	3212'
Kirtland	3414'
Pictured Cliffs	3660'
Lewis	3783'
Cliffhouse	5518'
Menefee	5564'
Point Lookout	5822'
Mancos	6001'

Logging Record: Induction - Electrical Log, GR, TS (2500' - 3954')

Stimulation:

Perfed Mesaverde: 5540' - 5998'

Fraced Mesaverde: 50,000 lbs sand and 58,350 gallons water. Spotted 2,000 gals 15% acid
refraced w/ 27,500 lbs sand and 44,000 gallons water

Perfed Pictured Cliffs: 3715' - 3749'

Perfed Pictured Cliffs: 37,15 - 3745
Fraced Pictured Cliffs: 42,000 lbs sand and 84,000 gallons water.

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