

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'FNL, 990'FWL, Sec.36, 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 #7A

9. API Well No.

30-039-21127

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 workover the subject well and add pay to the previously squeezed 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 *Debra J. Hall* (CAN9) Title Regulatory Affairs Date 12/29/94

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

APPROVED BY *Don R. Hall* Title _____ Date JAN 24 1995

CONDITION OF APPROVAL, if any:

JICARILLA 95 #7A
Unit D, Section 36, 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 193 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 6216'.
4. TIH and check PBTD. Obtain baseline guage if possible. TOOH with 6114' of 1-1/4" tubing, visually inspect, tally, and lay down tubing.
5. RU wireline. RIH with 5-1/2" 15.5# guage ring to 5120' and check pipe. PU 5-1/2" Retrievable bridge plug, TIH and set bridge plug at 4020'. Dump 2 sx sand on RBP. Run GR - CBL - CCL in 5-1/2" casing from bridge plug to Surface pipe (Estimated TOC at 100' by Calc.). Good TOC must be above 3700' to continue. Evaluate GR - CBL - CCL and send copy to production engineering.
6. TIH w/ pkr and 2-7/8" tbg and set at 4020'. Pressure test pkr, tbg, casing and RBPT 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 2-7/8" tbg to 3860', set pkr and test backside to 2800 psi for 15 mins. If pressure test fails, prepare to test and repair casing. Contact Production Engineering and a casing repair will be submitted. TOOH.

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:

3750' - 3964'. (58 Holes) Actual settings for Select-Fire will be picked prior to giving the logs to the Perforating Company.
8. RD wireline. PU 2-3/8" tbg and TIH w/ pkr and set at +/-3700'.
9. RU stimulation company. **Hold Safety Meeting.** Pressure test surface treating lines to 5000 psi. **Maximum STP during acid job is 4000 psi.** Pump 1,250 gals 15% HCl w/additives (DAD) at a rate of 3-5 BPM, attempt to ball-out the perforations. Drop a total of 95 7/8" RCN ball sealers (1.3sp.gr.) spaced evenly throughout the job. Record rates and pressures while attempting to achieve ball-out.

**Jicarilla 95 #7A
Pictured Cliffs Pay-Add**

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.
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 @ 4020' 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 6216' with air. Land tubing @ +/-6150' (66' of rathole) and obtain final flow gauge. ND BOP, NU WH. Contact Production Operations for well tie-in. RD and MOL.

Approved: PJBA
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 RBF: | 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 #7A

Location: 990' FNL, 990' FWL, Unit D, Section 36, T-27-N, R-03-W: Rio Arriba County, NM
Lat. 36.534317, Long. 107.101044: GITI

Field: Blanco Mesaverde
Gavilan Pictured Cliffs

Elevation: 7272' GL

TD: 6250'
PBTD: 6216'

Spud Date: 09/12/75
Completed: 12/01/75

DP#: 29217A & B (MV & PC)
Prop. #: 071337100
GW: 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" | 40# 8rd St & C | 318' | 200 sx | Surface |
| 7-7/8" | 5-1/2" | 15.5# K-55 | 6250' | 1145 sx | ** |

* Baffle Collars @ 5995', 5743' and 5657'

** Two Stage, w/ DV tool @ 4094'.

Stage 1, 455 sx, w/ 0 bbls cmt circ. Calc. TOC @ 4327'
Stage 2, 690 sx, w/ 0 bbls cmt circ. Calc. TOC @ 100'

Tubing Record:

| <u>Tubing Size</u> | <u>Depth Set</u> | <u>S. N.</u> |
|--------------------|------------------|--------------|
| 1-1/4 | 6114' | 6109' |

Formation Tops:

| | |
|-----------------|-------|
| Ojo Alamo | 3428' |
| Kirtland | 3618' |
| Pictured Cliffs | 3856' |
| Lewis | 3966' |
| Mesaverde | 5662' |

Logging Record: Dresser Acoustic, ES, IES, Schlumberger, GR-Collar-Corr

Stimulation:

| | |
|--------------------------------|--|
| <u>Perfed Mesaverde:</u> | 6018' - 6188', 5868' - 5972', 5669' - 5141' |
| <u>Fraced Mesaverde:</u> | 121,750 lbs sand and 172,000 gallons water. (3 stages w/ ball & baffle) |
| <u>Perfed Pictured Cliffs:</u> | 3871' - 3957' |
| <u>Fraced Pictured Cliffs:</u> | 38,250 lbs sand and 55,000 gallons water Sqz'd PC perms w/ 500 sx cmt. Lost 8' perforating strip - recovered Fished RBP @ 5539' Fished & milled Baker Packer @ 5610' |

Transporter: Gas - Williams Field Service

Jicarilla 95 #7A

Unit D, Sec. 36, T27N, R03W
Lat. 36.534317 Long. 107.101044

Pictured Cliffs Pay Add and Stimulation

