

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, 890'FWL, Sec.25, 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 #5
9. API Well No.
30-039-06881
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 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 31 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 Official Title Chief, Lands and Mineral Resources)

APPROVED BY [Signature] Title _____

Date

JAN 30 1995

CONDITION OF APPROVAL, if any:

JICARILLA 95 #5
Unit M, Section 25, 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 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.

*******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 6319'.
4. TOOH with 4069'(PC, lay down) and 6250'(MV) of 2-3/8" 4.70# tubing (Pluck Model D @ 5765'), CO to COTD (6319'), visually inspect and tally tubing.
5. RU wireline. RIH with 7-5/8" 26.4# gauge ring to 4090', then 5" 15# gauge ring to 5790' and check pipe. PU 7-5/8" Retrievable bridge plug, TIH and set bridge plug at 3970'. Run GR - CBL - CCL in 7-5/8 casing from bridge plug to Surface pipe (TOC at 3500' by TS). Good TOC must be above 3800' to continue. Evaluate GR- CBL- CCL and send copy to production engineering.
6. TIH w/ one stand 2-7/8" w/ pkr. Pressure test 2-7/8" w/ pkr 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. If pressure test is successful, TIH w/ retrieving head, unload hole from 2900' to surface, pull bridge plug at 3970' and reset at 4105' to allow restimulation of some of the existing PC perfs. TOOH with tubing.

Main Pictured Cliffs Stimulation:

7. Perforate the following intervals w/ 3-1/8" HSC -3125-306, 12 gram Owen charges 0.31" holes w/ 12.02 " penetration, 2 jspf, 180° phasing:

3979' - 4066'. (28 Holes) Actual Select-Fire settings will be marked on the logs prior to giving to the Perforating Company.
8. RD WL. RU Tefteller and obtain 8 hr PBU w/ gradient stops. RD Tefteller. TIH w/ one stand 2-7/8" w/ pkr.
9. RU stimulation company. **Hold Safety Meeting.** Pressure test surface treating lines to 4000 psi. **Maximum STP during acid job is 2800 psi.** Pump 850 gals 15% HCl w/additives at a rate of 8-12 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. TOOH w/ one stand 2-7/8" w/ pkr. RU wireline, run junk basket to knock-off/retrieve as many ballsealers as possible. TIH w/ one stand 2-7/8" w/ pkr. RU stimulation company. Prepare to fracture stimulate the Main Pictured Cliffs.
11. Pressure test surface treating lines to 4000 psi. **Maximum treating pressure is 2800 psi.** Fracture stimulate 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/ one stand 2-7/8" w/ pkr. PU Retrievable bridge plug, TIH and set bridge plug at 3960'. Unload hole from 2700'.

Jicarilla 95 #5
Pictured Cliffs Pay-Add

Upper Pictured Cliffs Stimulation:

12. Perforate the following intervals w/ 3-1/8" HSC -3125-306, 12 gram Owen charges 0.31" holes w/ 12.02 " penetration, 2 jspf, 180° phasing:
- 3850' - 3928'. (30 Holes) Actual Select-Fire settings will be marked on the logs prior to giving to the Perforating Company.**
13. RD wireline. RU Tefteller and obtain 8 hr pressure build-up w/ gradient stops. RD Tefteller. TIH w/ one stand 2-7/8" w/ pkr.
14. RU stimulation company. **Hold Safety Meeting.** Pressure test surface treating lines to 4000 psi. **Maximum STP during acid job is 2800 psi.** Pump 1000 gals 15% HCl w/additives at a rate of 6-10 BPM, attempt to ball-out the perforations. Drop a total of 50 7/8" RCN ball sealers (1.3sp.gr.) spaced evenly throughout the job. Record rates and pressures while attempting to achieve ball-out.
15. RD stimulation company. TOOH w/ one stand 2-7/8" w/ pkr. RU wireline, run junk basket to knock-off/retrieve as many ballsealers as possible. TIH w/ one stand 2-7/8" w/ pkr. RU stimulation company. Prepare to fracture stimulate the Upper Pictured Cliffs.
16. Pressure test surface treating lines to 4000 psi. **Maximum treating pressure is 2800 psi.** Fracture stimulate 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/ one stand 2-7/8" w/ pkr.
17. TIH w/ retrieving head and 2-3/8" 4.70# workstring and clean out to the retrievable bridge plug @ 3960' with air until sand production is minimal. Obtain pitot gauge for the Upper Pictured Cliffs formation. Record pitot gauge as the Upper Pictured Cliffs formation only. Latch onto the retrievable bridge plug and TOOH.
18. TIH w/ retrieving head on 2-3/8" 4.70# workstring and clean out to the retrievable bridge plug @ ⁴¹⁰⁵4120' with air until sand production is minimal. Obtain pitot gauge for the Pictured Cliffs formation. Record pitot gauge as the Pictured Cliffs formation only. Latch onto the retrievable bridge plug and TOOH.
19. TIH w/ one joint 2-3/8" 4.7# J-55 tubing, seat nipple, expendable check, and 2-3/8" production tubing. Cleanout to 6319' with air. RU wireline and run afterfrac Tracer log. Evaluate for coverage, fracture tops and fracture bottoms. Send copy to Prod. Engr. Land tubing @ +/-6240' (79' of rathole) and obtain final pitot gauge. ND BOP, NU WH. Contact Production Operations for well tie-in. RD and MOL.

Approved: PJBA
Drilling Superintendent

Contacts/Suggested Vendors:

Trucking/ Water Haul:	Dawn Trucking	327-6314
Wireline:	Basin	327-5244
Bridge Plugs/PKR:	Mountain States	326-5141
Pressure Build-up:	Tefteller Inc.	325-8476
Tubing:	MOI, District Tools	326-9826
Stimulation:	BJ Services	327-6288
Rig Supervisor:	Gary Clark	320-2147 (Drake 22)
Production Oper.:	Bruce Voiles	326-9571
Engineering:	Brian Ault	326-9871 w 326-6613 h

Pertinent Data Sheet - Jicarilla 95 #5

Location: 990' FSL, 890' FWL, Unit M, Section 25, T-27-N, R-03-W; Rio Arriba County, NM
Lat. 36.539734, Long. 107.101410; GITI

Field: Blanco Mesaverde
Gavilan Pictured Cliffs

Elevation: 7361' GL

TD: 6350'
PBTD: 6319'

Spud Date: 05/11/58

DP#: 29213B

Completed: 06/29/58

Prop. #: 071337100

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	300'	200 sx	Surface
9-7/8"	7-5/8"	26.40# J-55	4300'	120 sx	3500' (TS)
6-3/4"	5"	15# J-55	6350'	225 sx	4109'

** 5" liner set @ 6350' and top of liner @ 4109'.

Tubing Record:

<u>Tubing Size</u>	<u>Weight & Grade</u>	<u>Depth Set</u>	<u>Packer</u>	<u>S.N.</u>
2-3/8"	4.70# J-55	6250' (MV)	5765'	6223'
2-3/8"	4.70# J-55	4069' (PC)		

Formation Tops:

<u>Formation Tops:</u>	
Ojo Alamo	3526'
Kirtland	3746'
Pictured Cliffs	3968'
Lewis	4068'
Cliffhouse	5782'
Menefee	5851'
Point Lookout	6132'
Mancos	6305'

Logging Record: Electric Log, GR, TS, PGAC Rad. Log

<u>Stimulation:</u>	<u>Perfed Mesaverde:</u>	5807' - 6276'
	<u>Fraced Mesaverde:</u>	35,000 lbs sand and 70,000 gallons water.
	<u>Perfed Pictured Cliffs:</u>	3979' - 3994'
	<u>Fraced Pictured Cliffs:</u>	42,000 lbs sand and 84,000 gallons water.

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

Jicarilla 95 #5

Unit M, Sec. 25, T27N. R03W
Lat. 36.539734 Long. 107.101410
Pictured Cliffs Pay Add and Stimulation

