

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'FNL, 990'FEL, Sec.2, T-26-N, R-3-W, NMPM

5. Lease Number
Jic Contract 96
6. If Indian, All. or
Tribe Name
Jicarilla Apache
7. Unit Agreement Name

8. Well Name & Number
Jicarilla 96 #2
9. API Well No.
30-039-06755
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] Title Regulatory Affairs Date 12/29/94

(This space for Federal or State Office Use)
APPROVED BY [Signature] Title Chief, Lands and Mineral Resources Date JAN 30 1995
CONDITION OF APPROVAL, if any:

JICARILLA 96 #2
Unit A, Section 02, T26N, 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 6060'.
4. TOOH with 3776'(PC) and 5531'(MV) of 2-3/8" 4.70# tubing (Model D @ ???), visually inspect and tally tubing. Calculate pkr depth from location of seal assembly.
5. RU wireline. RIH with 7-5/8" 24# guage ring to 3850' then RIH with 5-1/2" 15.5# guage ring to 5505' and check pipe. PU 7-5/8" Retrievable bridge plug, TIH and set bridge plug at 3700'. Dump 2 sx sand on RBP. Run GR - CBL - CCL in 7-5/8" casing from bridge plug to Surface pipe (Estimated TOC at 3380' by Temp. Survey). Good TOC must be above 3580' 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:

3628' - 3686'. (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 +/-3580'.
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 96 #2
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 @ 3700' 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 6060' with air. Land tubing @ +/-6000' (60' of rathole) and obtain final flow gauge. ND BOP, NU WH. Contact Production Operations for well tie-in. RD and MOL.

Approved: PJB
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 96 #2

Location: 990' FNL, 990' FEL, Unit A, Section 2, T-26-N, R-03-W; Rio Arriba County, NM
Lat. 36.519836, Long. 107.107694; GITI

Field: Blanco Mesaverde
Gavilan Pictured Cliffs

Elevation: 7118' GL

TD: 6100'
PBTD: 6060'

Spud Date: 10/28/56
Completed: 11/24/56

DP#: 29224B
Prop. #: 071337200
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>
15"	10-3/4"	32.75# H-40	286'	200 sx	Surface
9-7/8"	7-5/8"	24 & 26.40# H-40 J-55	4030'	125 sx	3380' (TS)
6-3/4"	5-1/2"	15.5# J-55	6100'	125 sx	5560' (TS)

** 5-1/2" liner set @ 6100' and top of liner @ 3870'. Sqz'd w/ 50 sx @ 5550'. TOC @ 5494' (TS)

Tubing Record:

<u>Tubing Size</u>	<u>Weight & Grade</u>	<u>Depth Set</u>	
2-3/8"	4.70# J-55	5531' (MV)	(Packer @ ????)
2-3/8"	4.70# J-55	3776' (PC)	

Formation Tops:

Ojo Alamo	3287'
Kirtland	3482'
Pictured Cliffs	3697'
Lewis	3810'
Cliffhouse	5506'
Menefee	5556'
Point Lookout	5889'
Mancos	6032'

Logging Record: Electric Log, GR, TS, Microlog, Induction Log

Stimulation:

<u>Perfed Mesaverde:</u>	5526' - 6030'
<u>Fraced Mesaverde:</u>	24,000 lbs sand and 37,000 gallons water. (3 Attempts)
<u>Perfed Pictured Cliffs:</u>	3707' - 3807'
<u>Fraced Pictured Cliffs:</u>	40,000 lbs sand and 40,000 gallons water.

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

Jicarilla 96 #2

Unit A, Sec. 02, T26N, R03W
Lat. 36.519836 Long. 107.107694

Pictured Cliffs Pay Add and Stimulation

