

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
920' FSL, 1515' FWL, Sec. 11, T-26-N, R-5-W, NMPM

5. Lease Number
Jic Contract 150

6. If Indian, All. or
Tribe Name
Jicarilla Apache

7. Unit Agreement Name

8. Well Name & Number
Jicarilla 150 #4

9. API Well No.
30-039-20111

10. Field and Pool
Blanco MV/Basin DK

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 - Mesaverde pay add

13. Describe Proposed or Completed Operations

It is intended to add pay to the existing Mesaverde formation according to the attached procedure and wellbore diagram.

RECEIVED
JAN - 8 1995
OIL CON. DIV.
BUREAU OF LAND MANAGEMENT

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

Signed [Signature] (LLL9) Title Regulatory Administrator Date 12/6/95
[Signature] ☒ Chief, Lands and Mineral Resources

(This space for Federal or State Office use)

APPROVED BY [Signature] Title _____ Date JAN 8 1995

CONDITION OF APPROVAL, if any:

[Signature]

Jicarilla 150 #4

Unit N, Section 11, T-26-N, R-5-W, Rio Arriba County, New Mexico
Lat 36-29-48, Long 107-19-54

Inspect location and install and/or test rig anchors. Comply with all BLM, NMOCD, Forestry, and MOI rules and regulations. **BE SAFE.**

All vendors/service companies on location will be responsible for protection of the environment. Any questions call Lori Lantz at 599-4024.

1. MIRU. Hold Safety Meeting. Place fire and safety equipment in easily accessible locations. Obtain and record all wellhead pressures. NU relief line and blooie line to flare pit.
2. Blow down tubing. If tubing will not blow down, kill well with 2% KCl water. ND WH, NU BOP.
3. TOOH with 5569' (MV) of 1-1/2" 2.9# IJ tubing. Visually inspect, tally and stand back tubing.
4. Release tubing from Baker Model D Packer @ 7900' and TOOH w/ 8100' (DK) of 1-1/2" 2.9# EUE tubing. Visually inspect, tally, and stand back tubing. Redress SA.
5. PU CJ milling tool and 6 drill collars on 2-7/8" N-80 workstring. TIH and mill over pkr at 7900'. TOOH. LD drill collars, milling tool, and packer.
6. MIRU electric line unit. RIH w/ 5-1/2" 15.5# gauge ring and check casing to 6500'. RIH and set 5-1/2" CIBP at 6500' (use slow burn charge to set plug). Load hole w/ 2% KCl and pressure test casing and CIBP to 500 psi.
7. Run GR-CBL-CCL from 6500' to 200' above TOC with 500 psi surface pressure. Run repeat section with 0 psi surface pressure. Top of good cement must be above 5650' to continue. Evaluate CBL and send copy to production and drilling.
8. PU 5-1/2" pkr on 2-7/8" N-80 frac string. TIH and set pkr at 5650'. Pressure test casing and CIBP to 3800 psi for 15 min. If pressure test fails, prepare to locate leak and repair casing, if necessary. Contact Production Engineering for casing repair schedule. TOOH.

Point Lookout Stimulation:

9. RIH w/ 3-1/8" Select-Fire Perforating gun loaded 2 spf and perforate the following depths:

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6046' 6048' 6050' 6052' 6054' 6056' 6058' 6060' 6062' 6064' 6068'
6070' 6072' 6074' 6076' 6092' 6094' 6096' 6098' 6100' 6122' 6124'
6126' 6128' 6150' 6152' 6154' 6168' 6196' 6198' 6200' 6234' 6274'
(66 total holes)

10. RD electric line unit. TIH w/ 5-1/2" pkr on 2-7/8" frac string and set pkr at 5650'.
11. RU stimulation company. **Hold safety meeting.** Pressure test surface treating lines to 4800 psi. **Maximum treating pressure is 3800 psi.** Pump 2000 gals of 15% HCl acid (with same additives as above) at 10-15 bpm. Drop a total of 99 7/8" (1.3 sg) RCN ball sealers spaced evenly throughout the job. Record injection rates and pressures throughout the job. RD stimulation company.
12. TIH w/ frac string and knock balls off perforations with pkr. Pick up and reset pkr at 5650'.
13. RU stimulation company. Pressure test surface treating lines to 4800 psi. **Maximum treating pressure is 3800 psi.** Fracture stimulate the Point Lookout interval according to the attached procedure (labeled *Point Lookout*).
14. RDMO stimulation company. Flow back immediately using a dual choke manifold. When pressures allow, release pkr and TOOH w/ 2-7/8" frac string.
15. RU electric line unit. RIH w/ 5-1/2" RBP and set at 6000'. PU 5-1/2" pkr on 2-7/8" frac string. TIH and set pkr at 5650'. Pressure test casing and CIBP to 3800 psi for 15 min. TOOH. Dump 2 sks sand on RBP.

Menefee Stimulation:

16. RU electric line unit. RIH w/ 3-1/8" Select-Fire Perforating gun loaded 2 spf and perforate the following depths:

5700' 5702' 5704' 5706' 5708' 5840' 5922' 5924' 5928'
5930' 5932' 5938' 5940' 5942' 5944' 5946' 5955' 5957'
(36 total holes)
17. RD electric line unit. TIH w/ 5-1/2" pkr on 2-7/8" workstring and set pkr at approx 5650'.
18. RU stimulation company. **Hold safety meeting.** Pressure test surface treating lines to 4800 psi. **Maximum treating pressure is 3800 psi.** Pump

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2000 gals of 15% HCl acid (with same additives as above) at 10-15 bpm.
Drop a total of 54 7/8" (1.3 sg) RCN ball sealers spaced evenly throughout the job. Record injection rates and pressures throughout the job. RD stimulation company.

19. TIH w/ frac string and knock balls off perforations with pkr. Pick up and reset pkr at 5650'.
20. RU stimulation company. Pressure test surface treating lines to 4800 psi. **Maximum treating pressure is 3800 psi.** Fracture stimulate the Menefee interval according to the attached procedure (labeled *Menefee*).
21. RDMO stimulation company. Flow back immediately using a dual choke manifold. When pressures allow, release pkr and TOO H w/ 2-7/8" frac string.
22. RU electric line unit. RIH w/ 5-1/2" RBP and set at 5650'. PU 5-1/2" pkr on 2-7/8" frac string. TIH and set pkr at approx 60'. Pressure test casing and CIBP to 3300 psi for 15 min. Dump 2 sks sand on RBP.

Cliffhouse Re-Stimulation:

23. RU stimulation company. **Hold safety meeting.** Pressure test surface treating lines to 4300 psi. **Maximum treating pressure is 3300 psi.** Pump 2000 gals of 15% HCl acid (with same additives as above) at 10-15 bpm. Drop a total of 100 7/8" (1.3 sg) RCN ball sealers spaced evenly throughout the job. Record injection rates and pressures throughout the job. RD stimulation company.
24. TOO H. RU wireline unit. RIH w/ gauge ring and junk basket and knock balls off perforations. RD wireline unit. TIH w/ 5-1/2" pkr on 2-7/8" tbg. Set pkr at approx 60'.
25. RU stimulation company. Pressure test surface treating lines to 4300 psi. **Maximum treating pressure is 3300 psi.** Fracture stimulate the Cliffhouse interval according to the attached procedure (labeled *Cliffhouse*).
26. RDMO stimulation company. Flow back immediately using a dual choke manifold. When pressures allow, release pkr and TOO H w/ 2-7/8" frac string.
27. TIH w/ 2-7/8" workstring and clean out to the first RBP set at 5650' with air until sand and water production is minimal (run retrieving head on last clean out run). **Obtain flow gauge and record as Cliffhouse.** Latch onto RBP and TOO H.

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28. TIH w/ 2-7/8" workstring and clean out to the RBP set at 6000' with air until sand and water production is minimal (run retrieving head on last clean out run). **Obtain flow gauge and record as Cliffhouse / Menefee.** Latch onto RBP and TOOH.
29. TIH w/ 2-7/8" workstring and clean out to the CIBP set at 6500' with air until sand and water production is minimal. **Obtain flow gauge and record as Cliffhouse / Menefee / Point Lookout.** Drill CIBP. TOOH.
30. TIH 1-1/2" 2.9# EUE tbg with seating nipple and expendable check one joint off bottom and blast joints across the Mesaverde. Land tubing at approx 8220'. ND BOP. NU WH. Pump off check and obtain final flow gauge. **Record flow gauge as Cliffhouse / Menefee / Point Lookout / Dakota.** Contact Production Operations for well tie-in. RDMO.

Approved:  9/6/95
Regional Team Leader

Approved: _____
Drilling Superintendent

Pertinent Data Sheet - Jicarilla 150 #4

Location: 920' FSL, 1515' FWL, Unit-N, Sec 11, T-26-N, R-5-W
Rio Arriba County, NM Lat 36-29-48, Long 107-19-54

Current Field: Blanco Mesaverde / Basin Dakota

Spud: 6/24/68

Completed: 7/04/68

Elevation: 7222' GL

TD/PBTD: 8315' / 8260'

Casing Record:

<u>Hole Size</u>	<u>Casing Size</u>	<u>Weight/Grade</u>	<u>Depth Set</u>	<u>Cmt Vol./Top</u>
13-3/4"	10-3/4"	32.75# / H-40	520'	413 cu ft / surf
9-7/8"	7-5/8"	26.4# / J-55	4100'	400 cu ft / 2300'

Liner Record:

<u>Hole Size</u>	<u>Casing Size</u>	<u>Weight/Grade</u>	<u>Depth Set</u>	<u>Cmt Vol./Top</u>
7-5/8" csg	5-1/2"	15.5# / J-55	3624' - 3915'	/ 3624'
6-3/4"	5-1/2"	15.5# / J-55	3915' - 8300'	600 cu ft / 3915'

Tubing Record:

<u>Size</u>	<u>Weight/Grade</u>	<u>Depth Set/Jts.</u>	<u>Other</u>	<u>Depth</u>
1-1/2" (MV)	2.9# / IJ	5569'		
1-1/2" (DK)	2.9# / EUE	8100'		
			Baker Model D Pkr	7900'

Formation Tops:

Pictured Cliffs	3830'
Cliffhouse	5490'
Point Lookout	6005'
Gallup	6990'
Base Greenhorn	8007'
Dakota	8052'

Logging Record: Density, GR, CBL, ES Induction

Present Completions: Mesaverde (Cliffhouse) Perfs: 5514' - 5614'
Dakota Perfs: 8050' - 8220'

Workover History: Squeezed hole in 7-5/8" csg at 3798'. Ran liner from 3624' - 3915' and cemented to 3624'.

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Unit N, Sec. 11, T26N, R05W
Lat. 36.496628 Long. 107.331757
Mesaverde Pay Add and Stimulation

