

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 990' FWL Sec. 27, T-30-N, R-~~8~~-W, NMPM
7

5. Lease Number
SF-079074

6. If Indian, All. or Tribe Name

7. Unit Agreement Name

8. Well Name & Number
San Juan 30-6 U 38

9. API Well No.

10. Field and Pool
Blanco Mesa Verde

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"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other - pay add
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut off
	<input type="checkbox"/> Conversion to Injectio

13. Describe Proposed or Completed Operations

It is intended to perforate and stimulate the Menefee and Lewis intervals and add to the existing Mesa Verde formation per the attached procedure; and to also refrac the Cliff House section of the Mesa Verde.

RECEIVED

FEB 1 0 1994

OIL CON. DIV.
DIST. 3

070 FARMINGTON, NM

94 JAN 19 AM 8:06

RECEIVED
BLM

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

Signed [Signature] (REH) Title Regulatory Affairs Date 1/18/94

(This space for Federal or State Office use)

APPROVED BY _____ Title _____

CONDITION OF APPROVAL, if any:

APPROVED

JAN 24 1994

DISTRICT MANAGER

NMOCD

Pertinent Data Sheet - San Juan 30-6 Unit #38

Location: 990' FSL, 990' FWL, Section 27, T-30-N R-7-W, Rio Arriba County, NM

Field: Blanco Mesaverde

Elevation: 6909' GL

TD: 6292'
PBTD:

Completion Date: 10-25-52 (original)
12-21-62 (workover)

DP Number: 69368

Initial Potential: 1780 MCF/D

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>
	9-5/8"	36.0# H-40 8rd	215'	125 sx	No record
	5-1/2"	15.5 & 14.0# J-55 8rd	5440'	225 sx	No record
	2-7/8"	6.4# J-55 8rd 10 RD	6133'	200 sx	???

Tubing Record:

<u>Tubing Size</u>	<u>Weight & Grade</u>	<u>Depth Set</u>
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Formation Tops:

Pictured Cliffs	3790'
Mesaverde	5550'
Pt. Lookout	5770'

Logging Record: GR, Collar Correlation Log

Stimulation: Shot openhole w/ 1462 NG @ 5550'-6292'
Perf 5600'-6091' w/62,220 gal water and 42,000# 20/40 sand

Workover History: 12/6/62 W/O - Pulled original tubing, cleaned out openhole, ran 2-7/8 casing.
4-2-68 W/O - Cleaned out sand fillup.

Production History:

Initial Deliverability	2214 MCFD	0 BOPD
Latest Deliverability	39 MCFD	0 BOPD

Transporter: NWPL

**San Juan 30-6 Unit #38
SW/4 Section 27, T-30-N, R-07-W
Recommended Recompletion Procedure
Menefee/ Cliffhouse Refrac/ Lewis Pay-Adds**

Note: Notify BLM (326-6201) and NMOCD (327-5344) 24 hours before rig activity.

1. Shut in well for 7 day pressure build-up. Record wellhead pressures.
2. Inspect location. Test location rig anchors and repair if necessary. Install 1 X 400 bbl rig tank and fill with filtered (2 microns) 2% KCl water. Install 8 X 400 bbl tanks for fracture stimulation and fill with 2% KCl water. Add 5#'s of biocide/tank before filling.
3. Hold safety meeting. MIRU. Place fire and safety equipment in strategic locations. Comply with all MOI, BLM, and NMOCD rules and regulations. NU relief line and blooie line to laydown flow tank. Obtain and record all wellhead pressures.
4. **This hole is a slim hole completion with 2-7/8" 10rd NU casing.** Blow down casing. If casing will not blow down, kill the well with the filtered KCl water. Remove the master valve and adapter flange. RU BOP's and pressure test.
5. TIH with a 1-1/4" workstring (1-13/16" tool joints) and clean out sand fill from 6010' to 6113'. TOOH, and gauge well.
6. TIH with 2-7/8" 6.4# casing scraper and 1-1/4" workstring (1-13/16" tool joints). Make scraper run down to 5950'. TOOH.
7. TIH with Baker 028 Model C Retrievable Bridge Plug in tandem with a 2-7/8" Baker RC Hydrogrip Packer and workstring. Set retrievable bridge plug @ 5900', above the Point Lookout perforations. Pull up 3 joints, set packer and pressure test bridge plug to 4500 psi for 15 minutes. Dump 1/2 sx (15' in 2-7/8") of sand on top of retrievable bridge plug. TOOH.
8. TIH with a second model C bridge plug and packer and set at 5550'. Pick up 2 joints and test it to 4500 psi. Release packer and TOOH.
9. Pick up a pup joint of 2-7/8" J-55 6.4# 10rd and screw into the donut in the wellhead. Pressure test the casing to 4500 psi for 15 minutes. **Ensure that the area around the wellhead is clear of personnel before pressure testing.** If the pressure test fails, prepare to test and repair casing. Contact production engineering and a casing repair will be submitted.
10. Unscrew the pup joint, TIH with the workstring and retrieve the bridge plug @ 5550". TOOH.
11. RU wireline. Run GR-CBL-CCL from bridge plug to 4200' (TOC was not originally located with a Temperature Survey). Evaluate GR-CBL-CCL and send copy to production engineering.

Cliffhouse/ Menefee Stimulation:

12. TIH with the workstring and spot 2.5 bbls of inhibited 7-1/2% HCl from 5378' to 5810'. TOOH

San Juan 30-6 Unit # 38
Menefee/ Cliffhouse/ Lewis Payadds

13. Perforate the Menefee interval from 5780' to 5810' with 2-1/8" RTG with 4 SPF 180 deg phase 6.5 gram charges with minimum standoff.
NOTE: SHOOT INTERVAL IN ONE RUN.
14. RIH with a pressure gauge on the wireline to 5220'. Record the pressure build-up for 6 hours. TOOH, RD wireline.
15. PU 2-7/8" 6.4# 10rd pup joint and screw into donut in the wellhead. RU stimulation company. Hold safety meeting. Pressure test surface lines to 5500 psi (1000 psi over maximum allowable treating pressure but no greater than working pressure of surface lines). **Maximum treating pressure is 4500 psi.** Fracture well according to procedure provided by production engineer. Remove the pup joint after fracing.

Lewis Stimulation:

16. TIH with Baker 028 Model C Retrievable Bridge Plug in tandem with a 2-7/8" Baker RC Hydrogrip Packer and workstring. Set retrievable bridge plug @ 4800', above the Cliffhouse/ Menefee perforations. Pull up 3 joints, set packer and pressure test bridge plug to 4500 psi for 15 minutes. Dump 1/2 sx of sand on top of retrievable bridge plug.
17. Release packer, fill the hole with filtered KCl water. Spot 2.5 bbls of inhibited 7-1/2% HCl from 4298' to 4730'. TOOH
18. Perforate the Lewis interval from 4700' to 4730' with 2-1/8" RTG with 4 SPF 180 deg phase 6.5 gram charges with minimum standoff.
NOTE: SHOOT THE INTERVAL IN ONE RUN.
19. RIH with a pressure gauge on the wireline to 4720'. Record the pressure build-up for 6 hours. TOOH, RD wireline.
20. PU pup joint and screw into the donut. RU stimulation company. Hold safety meeting. Pressure test surface lines to 5500 psi (1000 psi over maximum allowable treating pressure but no greater than working pressure of surface lines). **Maximum treating pressure is 4500 psi.** Fracture well according to the procedure provided by production engineering. Shut in well for 6 hours upon completion of stimulation to allow gel to break. Remove the pup joint after fracing.
21. TIH with workstring and retrieving head for the retrievable bridge plug above the Cliffhouse. Cleanout to the bridge plug with air until sand production is minimal. Obtain pitot gauge for the Lewis formation. Record pitot gauge as the Lewis formation only. Latch onto retrievable bridge plug and release bridge plug while pumping water down tubing-casing annulus if necessary. TOOH and lay down retrievable bridge plug.
22. TIH with the workstring and retrieving head for the retrievable bridge plug above Point Lookout. Cleanout to bridge plug with air until sand production is minimal. Obtain pitot gauge for the Lewis/ Cliffhouse /Menefee formations. Record pitot gauge as the Lewis/ Cliffhouse / Menefee formations. Latch onto retrievable bridge plug and release bridge plug while pumping water down workstring-casing annulus if necessary. TOOH and lay down retrievable bridge plug.
23. RU wireline. Run Tracer Survey top down from 4100' to 5500'. Send copy of logs to Production Engineering. RD wireline.

24. TIH with the workstring and cleanout to COTD (6113') with air'. TOOH with workstring. Obtain final pitot gauge. ND BOP's, NU WH. RD and MOL.
25. Hook-up well and produce for 14 days. Then shut-in for 7 days. RU wireline with a pressure gauge. Obtain a gradient survey and bottom hole pressure at the end of the 7 day shut-in.

Approved: Jim Howieson
Jim Howieson

JA For DBJ

Wireline Services Basin Perforating (327-5244)
Stimulation:..... BJ (327-6288)
Packers and Bridge Plugs: Baker Service Tools (325-0216)

Robin E. Hesketh Home: (327-9174)
Office: (326-9808)

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San Juan 30-6 Unit

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30-039-09110

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13. Describe Proposed or Completed Operations

06-03-94 Ran gge ring, tag @ 6007'. Pump 1750# 20/40 sand, displace w/8 BW. Ran gge ring, tag @ 5573'. Tag sand @ 5597'. Dump sand, pull up 5000'. TIH, tag sand @ 5550'. Ran GR-CBL-CCL 5539-4200', good bond. PT csg, lost pressure @ 4000 psi. TIH, tag @ 5550'. Dump sand. PT csg, no test. TIH, tag sand @ 5545'. Dump sand. PT csg, no test. SIFN.

06-04-94 TIH, tag sand @ 5493'. Set RBP @ 5483'. Isolate csg leak above 3030'.

06-05-94 Isolate csg leak 2533-2034'. TOO H w/pkr. TIH, isolate csg leak 2046-41'. TIH, spot 15 sx Class "B" neat w/2% calcium chloride, reverse out 0.25 bbl cmt. WOC. TIH, tag @ 1733'. Drl cmt 1733-1961'.

06-06-94 Drl cmt 1961-2053'. Ran scraper to 5464'. PT csg 4500#/15 min, ok. TOO H w/RBP. TIH, unload w/N2.

06-07-94 Unload w/N2 @ 5480'. CO. Ran GR-CBL-CCL 5847-4077'. Perf Menefee 5780-5810' w/4 spf. Frac w/32,900# 40/70 sand, 222,860# 20/40 sand and 84,000 gal gel. SI for gel break.

06-08-94 Ran gge ring, tag sand plug @ 5318'. PT 4500#/15 min. Lost 1500#/15 min. Set RBP @ 5231'. PT csg 4500#, lost 885#/30 min. Isolate csg leak.

06-09-94 Set pkr 2' above BP @ 5231'. PT 4500#/15 min, lost 550#. Test backside 2000#, ok. Perf Lewis 4700-4730' w/4 spf. Stuck perf guns. TIH w/overshot to recover.

06-10-94 Fishing.

(cont'd on back)

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

Signed [Signature] Title Regulatory Affairs Date 07/05/94

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APPROVED BY _____ Title _____

CONDITION OF APPROVAL, if any:

JUL 05 1994

FARMINGTON DISTRICT OFFICE

San Juan 30-6 Unit #38
Page Two

06-11-94 TOOH, rec'd fine metal. Frac Lewis w/155,000# 20/40 sand and 101,556 gal gel. WI for gel break. Blow well.
06-12/14 Blow well and CO.
06-15-94 CO to 5219'. Mill 5219-20'.
06-16-94 Unload well & CO. TIH w/overshot, try to workover onto RBP, no go. TOOH, recovered 3.5" of perf gun. TIH
w/overshot, CO to 5221'. TOOH. TIH, mill on junk.
06-17-94 Mill on junk 5221-25'. Blow well. CO to 5225'. TOOH w/RBP. Blow well.
06-18/28 Blow well and CO.
06-29-94 Flow well and CO. Released rig.