

submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells - 6 PM 1:47

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, 1150'FWL, Sec.11, T-27-N, R-4-W, NMPM

5. Lease Number
SF-080671A
6. If Indian, All. or
Tribe Name
7. Unit Agreement Name
San Juan 27-4 Unit
8. Well Name & Number
San Juan 27-4 U #28
9. API Well No.
30-039-07109
10. Field and Pool
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
☐ Subsequent Report	☐ Recompletion
☐ Final Abandonment	☐ Plugging Back
	☐ Casing Repair
	☐ Altering Casing
	☒ Other - Pay add
	☐ Change of Plans
	☐ New Construction
	☐ Non-Routine Fracturing
	☐ Water Shut off
	☐ Conversion to Injection

13. Describe Proposed or Completed Operations

It is intended to add pay to the Mesaverde zone of the subject well according to the attached procedure and wellbore diagram.

RECEIVED
APR 10 1995
OIL CON. DIV.
DIST. 3

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

Signed [Signature] (CAN9) Title Regulatory Affairs Date 2/3/95

(This space for Federal or State Office use)

APPROVED BY _____ Title _____ Date _____

CONDITION OF APPROVAL, if any:

APPROVED
FEB 08 1995
[Signature] DISTRICT MANAGER

NMOCD

Pertinent Data Sheet - San Juan 27-4 Unit #28

Location: 990' FSL, 1150' FWL, Unit M, Section 11, T-27-N, R-04-W; Rio Arriba County, NM
Lat. 36.582855, Long. 107.224808; GITI

Field: Blanco Mesaverde

Elevation: 6881' GL

TD: 6187'

PBTD: 6125'

Spud Date: 05/17/61

DP#: 50549A (MV)

Completed: 06/21/61

Prop. #: 007972305

GWl: 83.097592%

NRI: 68.683759%

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" ?	9-5/8"	32.20# J-55	169'	180 sx	Did not circulate
8-3/4"	7"	20# J-55	3978'	350 sx	1225' (TS)
6-1/4"	4-1/2"	9.5 & 11.6# J-55	3865'-6163'	260 sx	3865' (**)

** 4-1/2" liner set @ 6163' and top of liner @ 3865'. Rev. out 5.5 bbls to surface.

Tubing Record:

<u>Tubing Size</u>	<u>Weight & Grade</u>	<u>Depth Set</u>	<u>S.N.</u>
1-1/4"	2.40# EUE	5929' (174 jts)	5892'

Formation Tops:

Ojo Alamo	3159'
Kirtland	3365'
Fruitland	3585'
Pictured Cliffs	3793'
Lewis	3878'
Cliffhouse	5575'
Menefee	5674'
Point Lookout	5934'
Mancos	6098'

Logging Record: Induction - GR, TS

<u>Stimulation:</u>	<u>Perfed Pt. Lookout:</u>	5934' - 6098'
	<u>Fraced Pt. Lookout:</u>	60,000 lbs sand and 84,000 gallons water.

Transporter: Gas - Williams Field Service
Oil - MOI

San Juan 27 - 4 Unit #28

UNIT M, SEC. 11, T-27-N, R-04-W, RIO ARRIBA COUNTY, NM
36.582855 Lat., 107.224808 Long.
Mesaverde Pay Add

SEPT 20 11 1:17

OJO ALAMO, NM

CURRENT

PROPOSED

Spud 05/17/61
Completed 06/21/61

9-5/8" 32.2# J-55 CSG
SET @ 169' Did not Circulate.

1-1/4" 2.4# J-55 8RD TBG SET @ 5892'

1-1/4" 2.4# J-55 8RD TBG SET @ 6050'

TOC @ 1225' Est. from Temp. Survey.

OJO ALAMO @ 3159'

KIRTLAND @ 3365'

FRUITLAND @ 3585'

PICTURED CLIFFS @ 3793'
(Main)

LEWIS @ 3878'

Liner Top @ 3865'

7" 20# J-55 8RD CSG SET @ 3978'

CLIFFHOUSE @ 5575'

MENEFEE @ 5674'

PT. LOOKOUT @ 5934'

MANCOS @ 6098'

Proposed Menefee/ Cliffhouse
Perfs: 5516' - 5805'

Add Perfs and Refrac Existing
Mesaverde: 5934' - 6098'

4-1/2" 9.5 & 11.6# J-55 8RD LINER SET @ 6163'
Reversed out 5.5 bbls to surface.

TD 6187'
PBD 6125'

TD 6187'
PBD 6125'

San Juan 27-4 Unit #28
Unit M, Section 11, T27N, R04W
Mesaverde Pay Add

Inspect location and install and/or test rig anchors. Install 1 -400 bbl rig tank. Approximately 195 jts. 2-3/8" 4.7# J-55 tubing will be required (MOI, District Tools) for cleanout and production. 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 _____ at _____ - _____.*******

1. Install 10 X 400 bbl frac tanks and fill with 3800 bbls 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 6125'.
4. Tag PBTD, attempt to obtain baseline guage of existing perfs. TOOH with 5929' (174 jts) of 1-1/4" 2.40# tubing, visually inspect and tally tubing.
5. RU wireline. RIH with 7" 20# guage ring to 3850' then RIH with 4-1/2" 11.6# guage ring to 5900' and check pipe. Set 4-1/2" RBP above existing Pt. Lookout perfs at 5920', fill hole w/ 2% KCl from bottom up to eliminate gas pockets. Run GR - CBL - CCL in casing from RBP to Surface pipe (Estimated TOC in 4-1/2" at 3865' by Temp. Survey). Good TOC must be above 5465' to continue. Evaluate GR - CBL - CCL and send copy to production engineering.
6. Pressure test pkr and one stand 2-7/8" tbg, RBP, and casing to 3000 psi. for 15 min. If pressure test fails, prepare to test and repair casing. Contact Production Engineering and a casing repair will be submitted. TIH w/ 2-3/8" tbg, unload hole from 4100' w/ air. and release the RBP at 5920'

Point Lookout Stimulation:

7. TIH w/ 2-3/8" tbg to 6100' and spot 7.5% HCl acid across the Pt. LO interval. TOOH w/ tbg and RBP.
8. RU wireline and Select-Fire Perforate, top-down the following intervals w/ 3-1/8" HSC -3125-306, 12 gram Owen charges 0.31" holes w/ 12.02 " penetration, 4 spf, 90° phasing:

5934' - 6098'. (54 Total holes) Actual Select-Fire settings will be provided to the perforators prior to moving on this well.
9. TIH w/ one stand 2-7/8" tbg and pkr. RU stimulation company and prepare to breakdown and balloff with acid. Pump 1000 gals. of 7.5% HCl Acid @ 8-10 bbl/min. Drop a total of 85, 7/8" diameter, 1.3 specific gravity RCN ball sealers spaced evenly throughout the job. Record injection rate and all breakdown pressures throughout job. **Maximum treating pressure is 3000 psi.**
10. TOOH w/ tbg and pkr. RU wireline. RIH with junk basket and retrieve ball sealers. Record number of hits and balls recovered. TIH w/ one stand 2-7/8" tbg and pkr.
11. RU stimulation company. Hold safety meeting. Pressure test surface lines to 5000 psi (2000 psi over maximum allowable treating pressure but no greater than working pressure of surface lines). **Maximum treating pressure is 3000 psi.** Fracture stimulate and Tag the Pt. Lookout interval according to attached procedure. Immediately upon completion of the stimulation, shut-in well to keep in static condition. TOOH w/ tbg and pkr.
12. RU wireline. Set 4-1/2" RBP at 5850'. Pressure test bridge plug and casing to 3000 psi for 15 minutes.

**San Juan 27-4 Unit #28
Mesaverde Pay Add**

Menefee/ Cliffhouse Stimulation:

13. TIH w/ 2-3/8" tubing and spot 7.5% HCl acid across the Menefee/ CliffHouse interval. TOOH w/ tbg.
14. RU wireline and Select-Fire Perforate, top-down the following intervals w/ 3-1/8" HSC -3125-306, 12 gram Owen charges 0.31" holes w/ 12.02 " penetration, 4 spf, 90° phasing:

5516' - 5805'. (48 Total holes)

15. TIH w/ one stand 2-7/8" tbg and pkr. RU stimulation company and prepare to breakdown and balloff with acid. Pump 1000 gals. of 7.5% HCl Acid @ 8-10 bbl/min. Drop a total of 78, 7/8" diameter, 1.3 specific gravity RCN ball sealers spaced evenly throughout the job. Record injection rate and all breakdown pressures throughout job. **Maximum treating pressure is 3000 psi.**
16. TOOH w/ tbg and pkr. RU wireline. RIH with junk basket and retrieve ball sealers. Record number of hits and balls recovered. TIH w/ one stand 2-7/8" tbg and pkr.
17. RU stimulation company. Hold safety meeting. Pressure test surface lines to 5000 psi (2000 psi over maximum allowable treating pressure but no greater than working pressure of surface lines). **Maximum treating pressure is 3000 psi.** Fracture stimulate and **Tag** the Menefee/ Cliffhouse interval according to attached procedure. Immediately upon completion of the stimulation, shut-in well to keep in static condition. TOOH w/ pkr.
18. TIH w/ retrieving head and 2-3/8" tubing and continue cleaning out to RBP @ 5850' with air mist then pull above the perforations with the tubing. Continue this cycle until sand production and water production are minimal. **Obtain flow gauge for the Menefee/ Cliffhouse.** Latch on to the RBP @ 5850' and TOOH.
19. TIH w/ 2-3/8" tubing and continue cleaning out to COTD @ 6125' with air then pull above the perforations with the tubing. Continue this cycle until sand production and water production are minimal. **Obtain flow gauge for the entire Mesaverde.** RU Wireline and run the AfterFrac Radioactive Tracer Log. Attempt to determine fracture top, bottom, and coverage. Contact and send copy to Production Engineering. TOOH
20. TIH with one joint 2-3/8" tubing, seating nipple and expendable check valve, (1.810" ID) and 2-3/8" production tubing. Rabbit production tubing. CO to COTD (6125') with air. Shut off the air and obtain final flow gauge. Continue cleaning out until sand and fluid production become minimal. Land tubing at approximately 6050' (75' of rathole). **Obtain final gauge.** NU WH. RDMO.

Approved: _____

Drilling Superintendent

Suggested Vendors/Contacts:

Water haul:	Chief Transport	325-2396
Wireline:	Blue Jet	325-5584
Tagging:	Pro-Technics	326-7133
Tubing:	MOI, District Tools	326-9826
Stimulation:	DS	325-5096
Packer/RBP:	Mountain States	326-5141
Rig Supervisor:		
Production Oper.:	Bruce Voiles	326-9571
Engineering:	Brian Ault	326-9871 w 326-6613 h