

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

1180'FSL, 1840'FWL, Sec.10, T-27-N, R-4-W, NMPM

5. Lease Number

SF-080668

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 #98

9. API Well No.

30-039-20834

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

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment

Type of Action

☐ Abandonment

☐ Recompletion

☐ 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.

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:

RECEIVED  
APR 10 1995  
OIL CON. DIV.  
DIST. 8

APPROVED

FEB 06 1995

DISTRICT MANAGER

NMOCD

**Pertinent Data Sheet - San Juan 27-4 Unit #98**

**Location:** 1180' FSL, 1840' FWL, Unit N, Section 10, T-27-N, R-04-W; Rio Arriba County, NM  
Lat. 36.583389, Long. 107.240097; GITI

**Field:** Basin Dakota  
Blanco Mesaverde

**Elevation:** 6763' GL      **TD:** 8174'  
**PBTD:** 6200'

**Spud Date:** 12/08/74  
**Completed:** 01/24/75

**DP#:** 53323A & B (DK & MV)  
**Prop. #:** 007972305  
**GWI:** 83.097592%  
**NRI:** 68.683759%

**Casing Record:**

<u>Hole Size</u>	<u>Casing Size</u>	<u>Weight &amp; Grade</u>	<u>Depth Set</u>	<u>Cement</u>	<u>Top/Cement</u>
12-1/4"	9-5/8"	32.3# H-40	209'	190 sx	Surface
8-3/4"	7"	20# K-55	3937'	115 sx	3050' (TS)
6-1/4"	4-1/2"	10.5 & 11.6# J-55	8174' **	345 sx	5840' (CBL)

**Tubing Record:**

<u>Tubing Size</u>	<u>Weight &amp; Grade</u>	<u>Depth Set</u>	<u>S.N.</u>
2-3/8"	4.70# J-55	6071' (181 jts)	6038'

**Formation Tops:**

Cliffhouse	5428'
Point Lookout	5822'
Gallup	6858'
Greenhorn	7782'
Graneros	7831'
Dakota	7950'

**Logging Record:** Induction - GR, CDL - GR, CBL, TS

**Stimulation:**      **Perfed Dakota:** 7886', 7960', 7986', 8030', 8052', 8060', 8068', (7 shots)  
                         **Fraced Dakota:** 40,000 lbs 40/60 sand and 48,160 gallons water.  
                         **Perfed Mesaverde:** 5759' - 6095'  
                         **Fraced Mesaverde:** 115,500 lbs sand and 125,500 gallons water.

**Transporter:** Gas - Williams Field Service  
Oil - MOI

\*\* Cement Retainer set @ 8008'. 50 sx below / 25 sx above. Pulled up to 7497' and set 75 sx plug. Set Baker permanent Bridge Plug @ 6213'. Hole in csg at 5615'. Sqz'd w/ 300 sx cmt. Drilled out cmt to 5577'. Hole in csg @ 5545', sqz'd w/ 150 sx. Drilled out cmt to 6100'. Ran CBL, TOC @ 5554'. Set Bridge Plug @ 5710', pull up to 5290' and cmt w/ 100 sx cmt. Drilled out cmt to 5710', pressure test to 3500 psi, held ok. Pushed Bridge Plug @ 5710' to 6200'. Ran 4-1/2 csg scraper to 6200'.

# San Juan 27 - 4 Unit #98

UNIT N, SEC. 10, T-27-N, R-04-W, RIO ARRIBA COUNTY, NM

36.583389 Lat., 107.240097 Long.

Mesaverde Pay Add

UT 75-1-0 TM 1:48

0.9 miles from, NM

Spud 12/08/74  
Completed 01/24/75

**CURRENT**

**PROPOSED**

9-5/8" 32.2# H-40 CSG  
SET @ 209' Circulated cmt to surface.

2-3/8" 4.70# J-55 8RD TBG SET @ 6071'

2-3/8" 4.70# J-55 8RD TBG SET @ 6050'

TOC @ 3050' Est. from Temp. Survey.

7" 20# K-55 8RD CSG SET @ 3937'

See Pertinent Data Sheet SQZ'd at 5615',  
5545', and 5290'.

**Proposed Menefee/ Cliffhouse  
Perfs: 5308' - 5708'**

**Existing Mesaverde: 5759' - 6095'**

Bridge Plug pushed from 5710' down to 6200'.  
Baker Perm. Bridge Plug set @ 6213'

**Existing Dakota: 7886' - 8068'**

4-1/2" 10.5 & 11.6# J-55 8RD CSG. SET @ 8174'  
See Pertinent Data Sheet. Final Sqz at 5290' w/  
100 sx.

**TD 8174'  
PBD 6200'**

**TD 8174'  
PBD 6200'**

CLIFFHOUSE @ 5428'

PT. LOOKOUT @ 5822'

GALLUP @ 6858'

GREENHORN @ 7782'

GRANEROS @ 7831'

DAKOTA @ 7950'

**San Juan 27-4 Unit #98**  
Unit N, Section 10, T27N, R04W  
*Mesaverde Pay Add*

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Inspect location and install and/or test rig anchors. Install 1 -400 bbl rig tank. Approximately 198 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**

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**\*\*\*\*\*All vendors/service companies on location will be responsible for protection of the environment, any questions call \_\_\_\_\_ at \_\_\_\_ - \_\_\_\_\_.\*\*\*\*\***

1. Install 6 X 400 bbl frac tanks and fill with 2100 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. PBDT is 6200'.
4. Tag PBDT, attempt to obtain baseline flow guage for the existing Pt. Lookout. TOOH with 6071' (181 jts) of 2-3/8" 4.70# tubing, visually inspect and tally tubing.
5. RU wireline. RIH with 4-1/2" 11.6# guage ring to 5740' and check pipe. PU 4-1/2" Retrievable bridge plug, TIH and set bridge plug at 5750'. Dump 2 sx sand on RBP. Run GR - CBL - CCL in casing from bridge plug to Surface pipe (Estimated TOC at 5554' by CBL. SQZ'd at 5290' w/ 100sx.). **Good TOC must be above 5250' to continue.** Evaluate GR - CBL - CCL and send copy to production engineering.
6. TIH w/ 2-3/8" tbg and pkr ,set pkr at 5630' and test the RBP to 3000 psi, release pkr TOOH to 5275', set pkr and test backside 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.

**Menefee/ Cliffhouse Stimulation:**

7. TIH w/ 2-3/8" tbg to 5750' and spot 7.5% HCl acid across the MF/CH interval. Existing sqz holes are in zone of interest and as long as good TOC is above 5250', stimulation should be contained. TOOH w/ tbg, and pkr.
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, 2 spf, 180° phasing:  
  
**5308' - 5708'. (36 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 850 gals. of 7.5% HCl Acid @ 8-10 bbl/min. Drop a total of 60, 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 Menefee/ Cliffhouse interval according to attached procedure. Immediately upon completion of the stimulation, shut-in well to keep in static condition. TOOH w/ tbg and pkr.

**San Juan 27-4 Unit #98  
Mesaverde Pay Add**

12. TIH w/ retrieving head and 2-3/8" tubing and continue cleaning out to RBP @ 5750' 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 @ 5750' and TOOH.
13. TIH w/ 2-3/8" tubing and continue cleaning out to COTD @ 6200' 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 evaluate for fracture top, bottom and coverage. Send copy to Production Engineering. TOOH
14. 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 (6200') 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' (150' 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