

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 | 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 - Pay add | |

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.
DISL 8

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 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 & 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 & 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

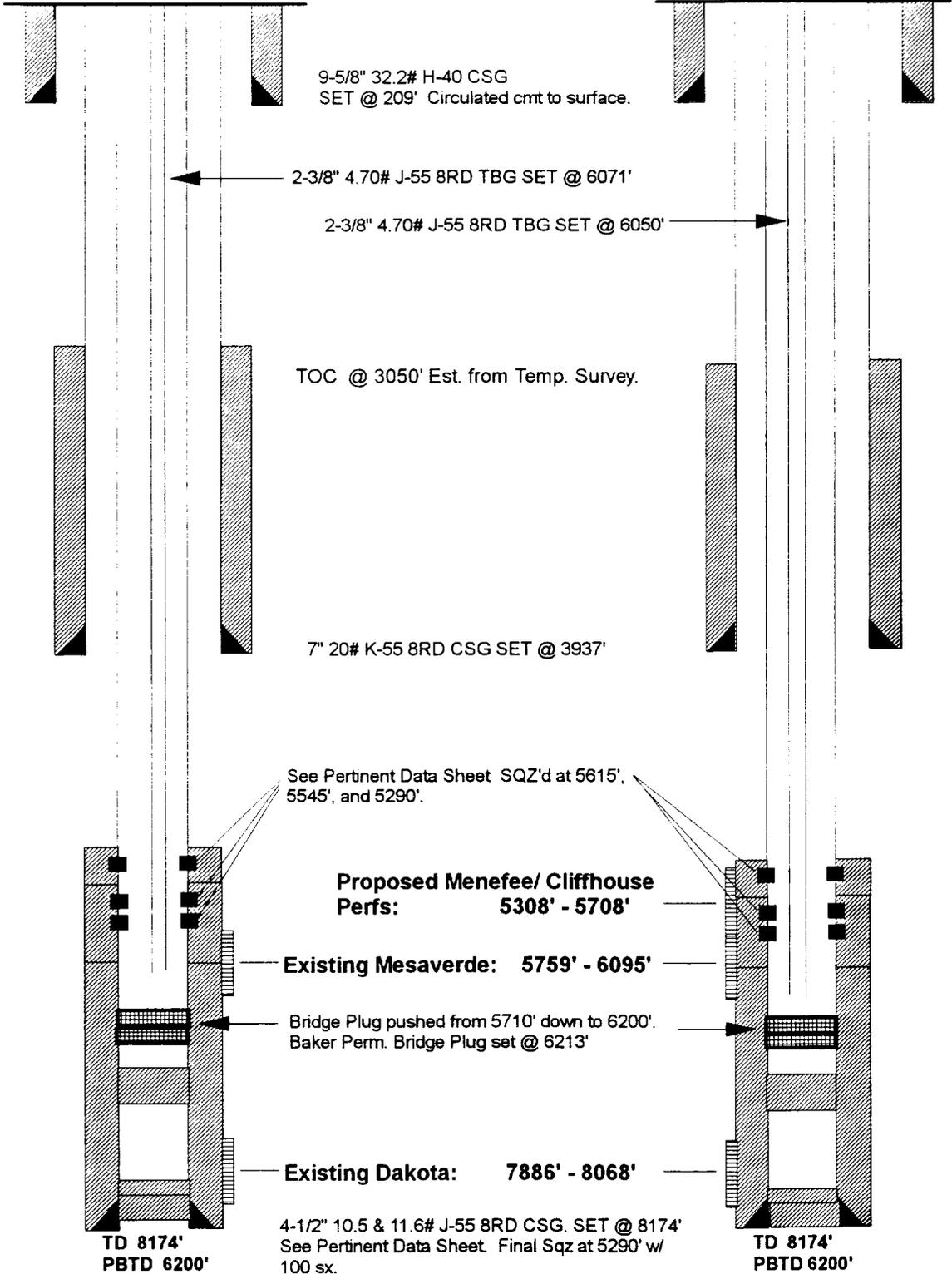
50750-0 TD 1:48

0.9 miles from J, NM

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

CURRENT

PROPOSED



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

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**

*******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. PBTB is 6200'.
4. Tag PBTB, 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.

