

State of New Mexico
Energy, Minerals and Natural Resources Department
Oil Conservation Division

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
1090'FSL, 990'FWL, Sec.19, T-27-N, R-4-W, NMPM, Rio Arriba County

API # (assigned by OCD)
30-039-06966

5. Lease Number
Fee

6. State Oil&Gas Lease #

7. Lease Name/Unit Name
San Juan 27-4 Unit

8. Well No.
23

9. Pool Name or Wildcat
Tapacito Pictured Cliffs
Blanco Mesaverde

10. Elevation:

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 formation of the subject well according to the attached procedure and wellbore diagram.

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

SIGNATURE *Ernie Busch* (CAN9) Regulatory Affairs February 8, 1995

(This space for State Use)

Approved by ORIGINAL SIGNED BY ERNIE BUSCH

DEPUTY OIL & GAS INSPECTOR, DIST. #3

Title

Date

FEB 13 1995

Pertinent Data Sheet - San Juan 27-4 Unit #23

Location: 1090' FSL, 990' FWL, Unit M, Section 19, T-27-N, R-04-W; Rio Arriba County, NM
Lat. 36.554291, Long. 107.296600; GITI

Field: Blanco Mesaverde
Tapacito Pictured Cliffs

Elevation: 6642' GL

TD: 5920'
PBTD: 5871'

Spud Date: 10/31/59
Completed: 11/24/59

DP#: 53316 A & B (MV & PC)
Prop. #: 007972305
GWl: MV - 83.097592%
NRI: MV - 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>
15"	10-3/4"	31.20# S.W.	172'	120 sx	Surface
9-5/8"	7-5/8"	26.40# J-55	3670'	110 sx	2940' (TS)
6-3/4"	5-1/2"	15.5# J-55	3602-5920'	370 sx	3602' (TS)

** 5-1/2" liner set @ 5920' and top of liner @ 3602'. Rev out 18 bbls to surface.

Tubing Record:

<u>Tubing Size</u>	<u>Weight & Grade</u>	<u>Depth Set</u>	<u>Packer</u>	<u>S.N.</u>
2-3/8"	4.70# J-55	5710' (181 jts)(MV)	4968' Baker Model 'N'	5685'
1-1/4"	2.40#	3468' (125 jts)(PC)		

Formation Tops:

Ojo Alamo	2710'
Kirtland	3110'
Fruitland	3290'
Pictured Cliffs	3507'
Lewis	3615'
Cliffhouse	5261'
Menefee	5305'
Point Lookout	5647'
Mancos	5861'

Logging Record: ES, ML, TS, GR-Neutron, Induction

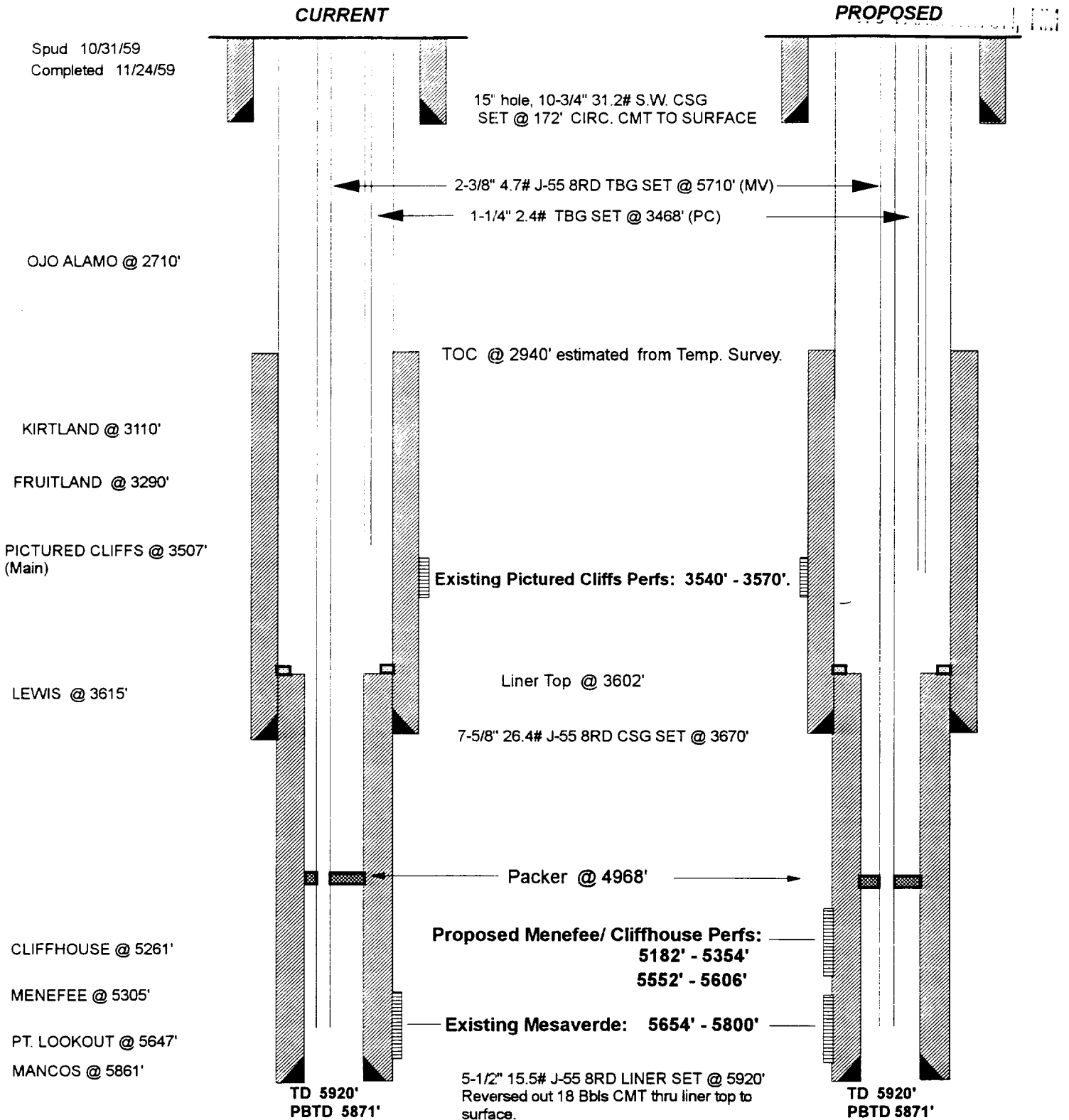
Stimulation:

<u>Perfed Mesaverde:</u>	5654' - 5800'
<u>Fraced Mesaverde:</u>	60,000 lbs sand and 73,000 gallons water.
<u>Perfed Pictured Cliffs:</u>	3540' - 3570'
<u>Fraced Pictured Cliffs:</u>	20,000 lbs sand and 28,400 gallons water.

Transporter: Gas - Williams Field Service
Oil - MOI

San Juan 27 - 4 Unit #23

UNIT M, SEC. 19, T-27-N, R-04-W, RIO ARRIBA COUNTY, NM
36.554291 Lat, 107.296600 Long.
Mesaverde Pay Add



San Juan 27-4 Unit #23
Unit M, Section 19, T27N, R04W
Mesaverde Pay Add

Inspect location and install and/or test rig anchors. Install 1 -400 bbl rig tank. Approximately 187 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 5871'.
4. TOOH with 3468'(PC) of 1-1/4" 2.40# tubing and 5710'(MV) 2-3/8" 4.70# tubing (pluck pkr at 4968'), tag PBTD, visually inspect and tally tubing.
5. RU wireline. RIH with 7-5/8" 26.4# guage ring to 3585' then RIH with 5-1/2" 15.5# guage ring 5650' and check pipe. PU 5-1/2" Retrievable bridge plug, TIH and set bridge plug at 5645'. Dump 2 sx sand on RBP. Attempt to fill pipe to 3600' w/ fluid for CBL run. Run GR - CBL - CCL in casing from bridge plug to top of fluid (Estimated TOC at 3602' by Temp. Survey). Good TOC must be above 5130' to continue. Evaluate GR - CBL - CCL and send copy to production engineering.
6. TIH w/ 5-1/2" 15.5# pkr and 2-3/8" tbg. to 3700'. Pressure test pkr, tbg, csg, and RBP 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. TOOH with pkr and 2-3/8" tbg. TIH w/ 7-5/8" 26.4# pkr and 2-3/8" tbg. to 3525', set pkr and test backside to 1000 psi. If pressure test fails, prepare to test and repair casing. Contact Production Engineering and a casing repair will be submitted. Unload hole to 3500' and TOOH.

Menefee Stimulation:

7. TIH w/ 2-3/8" tubing and spot 7.5% HCl acid across the Menefee interval. TOOH w/ tbg.
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:

5552' - 5606'. (24 Total holes) Actual Select-Fire settings will be provided to the perforators prior to moving on this well.
9. TIH w/ 2-7/8" fracstring and pkr, set at 5500'. 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 40, 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. TIH w/ pkr and knock-off ball sealers, POOH to 3650' and reset pkr for fracture stimulation.
11. RU stimulation company. Hold safety meeting. Pressure test surface lines to 4000 psi (1000 psi over maximum allowable treating pressure but no greater than working pressure of surface lines). **Maximum treating pressure is 3000 psi.** Fracture stimulate the Menefee 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 #23
Mesaverde Pay Add**

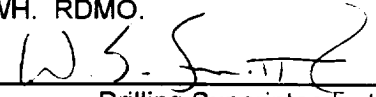
12. RU wireline. Set 5-1/2" RBP at 5410'. TIH w/ pkr, set at 5360' and pressure test bridge plug, casing and pkr to 3000 psi for 15 minutes.

Cliffhouse Stimulation:

13. Spot 7.5% HCl acid across the 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:

5182' - 5354'. (28 Total holes)

15. TIH w/ 2-7/8" fracstring and pkr, set at 5150'. 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 45, 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. TIH, knock-off ball sealers, POOH to 3650', set pkr and prepare to fracture stimulate the Cliffhouse.
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 the 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 @ 5410' 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.** Latch on to the RBP @ 5410' and TOOH.
19. TIH w/ retrieving head and 2-3/8" tubing and continue cleaning out to RBP @ 5645' 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.** Latch on to the RBP @ 5645' and TOOH.
20. TIH w/ 2-3/8" tubing and continue cleaning out to COTD @ 5871' 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.** TOOH
21. TIH with one joint 2-3/8" tubing, seating nipple and expendable check valve, (1.810" ID) and 2-3/8" production tubing for the MV, land at +/-5750' w/ pkr at 4950'. TIH with one joint 1-1/4" tubing, seating nipple and expendable check valve, and 1-1/4" production tubing for the PC, land at +/-3550'. Rabbit production tubing. **Obtain final gauge.** NU WH. RDMO.

Approved: 
Drilling Superintendent

Suggested Vendors/Contacts:

Water haul:	Chief Transport	325-2396
Wireline:	Blue Jet	325-5584
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