

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
1650' FNL, 1665' FEL, Sec.36, T-27-N, R-5-W, NMPM, Rio Arriba County

API # (assigned by OCD)
30-039-06828

5. Lease Number

6. State Oil&Gas Lease #
E-290-3

7. Lease Name/Unit Name
San Juan 27-5 Unit

8. Well No.
36

9. Pool Name or Wildcat
Tapacito Pictured Cliffs
Blanco Mesaverde

10. Elevation: 7171 GR

Type of Submission

☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment


Type of Action

☐ Abandonment ☒ Change of Plans
☐ Recompletion ☐ New Construction
☐ Plugging Back ☐ Non-Routine Fracturing
☐ Casing Repair ☐ Water Shut off
☐ Altering Casing ☐ Conversion to Injection
☒ Other - Mesaverde pay add, abandon Pictured Cliffs

13. Describe Proposed or Completed Operations

It is intended to squeeze the Pictured Cliffs perforations of the subject well and add pay to the Mesaverde formation according to the attached procedure and wellbore diagram. Please cancel previous sundry approved 2-7-96.

RECEIVED
APR 15 1996
OIL CON. DIV.
DIST. 3

SIGNATURE  (LLL9) Regulatory Administrator April 10, 1996

(This space for State Use)

Approved by Original Signed by FRANK T. CHAVEZ Title SUPERVISOR DISTRICT #3 Date APR 15 1996

San Juan 27-5 Unit #36

Mesaverde Pay-Add

Unit G, Section 36, T-27-N, R-5-W, Rio Arriba County, New Mexico

Lat. 36-31-37, Long. 107-12-19

Inspect location and install and/or test rig anchors. 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 Lori Lantz at 599-4024.

1. MIRU. Hold Safety Meeting. Place fire and safety equipment in easily accessible locations. Obtain and record all wellhead pressures. NU relief line and blooie line to flare pit.
2. Blow down tubing. If tubing will not blow down, kill well with 2% KCl water. ND WH, NU BOP.
3. TOOH w/ 134 jts (3862') of 1-1/4" 2.4# J-55 tbg. Visually inspect, tally, and lay down tubing.
4. Release Baker Model EGJ packer by picking up. TOOH with 205 jts (6139') of 2-3/8" 4.7# J-55 tubing. Visually inspect, tally, and stand back tubing. Replace any bad joints.
5. PU 4-3/4" bit and 5-1/2" 15.5# casing scraper on 2-3/8" tbg. Rabbit and tally on TIH to PBTD of 6215'. TOOH and LD bit and scraper.
6. MIRU electric line unit. RIH and set CIBP at 5750' (use slow burn charge to set plug).
7. TIH w/ 7-5/8" packer on 2-3/8" tubing. TIH and set packer at approx 3975'. Load hole w/ 2% KCl and pressure test CIBP and casing to 1500 psi. Release packer. Pull up and reset packer at approx 3775'.
8. MIRU cement company. Test surface treating lines to 2500 psi (max squeeze pressure is 1500 psi). Establish injection into PC perforations from 3922' - 3962'. Perform hesitation squeeze on PC interval with 50 sks class H with low water loss. RDMO cement company. WOC 4 hours. Release packer. Pull up and reverse circulate 2 hole volumes. Reset packer at approx 3600'. WOC an additional 8 hours.
9. Release packer and TOOH with packer and tubing. PU 6-3/4" bit and 6 4-3/4" drill collars on 2-3/8" tubing. Drill out cement. Pressure test squeeze to 1000 psi surface pressure. TIH and clean out to liner top at 4042'. TOOH and lay down bit and collars.

San Juan 27-5 Unit #36

Mesaverde Pay-Add

Unit G, Section 36, T-27-N, R-5-W, Rio Arriba County, New Mexico

Lat. 36-31-37, Long. 107-12-19

10. Run GR-CBL-CCL from 5750' to top of liner at 4042' with 1000 psi surface pressure. Run repeat section with no pressure. Top of good cement must be above 5545' to continue. Evaluate CBL and send copy to production and drilling.

Cliffhouse Stimulation:

11. RIH w/ 3-1/8" Select-Fire Perforating gun loaded 2 spf and perforate the following depths:

**5595' 5627' 5628' 5630' 5632' 5634' 5664' 5666' 5679' 5680'
5681' 5685' 5686' 5687' 5688' 5690' 5694'**
(34 total holes)

12. RD electric line unit. PU 5-1/2" packer on 2450' of 2-7/8" N-80 buttress and 3250' of 3-1/2" 9.3# N-80 frac string. TIH and set packer at approx 5700'. Load hole w/ 2% KCl and pressure test CIBP to 3800 psi (80% of internal yield of 4810 psi). Pull up and reset packer at approx 5450'. Stand back approximately 250' of 3-1/2" workstring.
13. RU stimulation company. **Hold safety meeting.** Pressure test surface treating lines to 4800 psi. **Maximum treating pressure is 3800 psi.** Pump 1000 gals of 15% HCl acid at 10-15 bpm. Drop a total of 51 7/8" diameter (1.3 sg) RCN ball sealers spaced evenly throughout the job. Record injection rates and pressures throughout the job. RD stimulation company.
14. Release packer. TIH w/ 5-1/2" packer on frac string and knock balls off perforations. Pull up and reset packer at approx 5450'.
15. RU stimulation company. Pressure test surface treating lines to 8200 psi. **Maximum treating pressure for various rates is outlined below.** Fracture stimulate the Cliffhouse interval w/ 137,500# 20/40 sand in slickwater at approximately 35 bpm according to the attached procedure.

Rate	Max Pressure
0 bpm	3800 psi
20 bpm	4900 psi
35 bpm	7200 psi

San Juan 27-5 Unit #36

Mesaverde Pay-Add

Unit G, Section 36, T-27-N, R-5-W, Rio Arriba County, New Mexico

Lat. 36-31-37, Long. 107-12-19

16. RDMO stimulation company. Flow back well immediately using a dual choke manifold unless specified in fracture procedure. When pressures allow, release packer. TOOH and LD packer and 2-7/8" and 3-1/2" frac strings.
17. PU mill on 2-3/8" tubing. TIH and clean out to CIBP set at 5750' with air until sand and water production is minimal. **Obtain flow gauge and record as Cliffhouse.** Mill up CIBP set at 5750' and clean out to PBTD of 6215'. TOOH and LD mill.
18. TIH with 2-3/8" 4.7# EUE tbg with expendable check and seating nipple one joint off bottom and cleanout to PBTD of 6215' with air. **Record flow gauge as Cliffhouse / Point Lookout.** Contact Production Operations for well tie-in. RDMO.

Approved: Arden Walker Jr. 4/9/96
Regional Team Leader

Approved: _____
Drilling Superintendent

- 36-31-37
107-12-19
ES, GRN, IND, ML, TS
7/28/58
6215'

San Juan 27-5 Unit #36 Unit G, Sec 36, T-27-N, R-4-W

Location: 1650' FNL, 1665' FEL
Rio Arriba County, NM

Latitude: 36-31-37
Longitude: 107-12-19

Current Field: Blanco MV / Tapacito PC
Spud: 6/14/58
Elev GL: 7131'
TD: 6286'

Logs Run: ES, GRN, IND, ML, TS
Completed: 7/28/58
Elev KB:
PBTD: 6215'

CASING RECORD:

Hole Size	Casing Size	Weight	Grade	Depth Set	Cmt Vol	Cmt Top
15"	10-3/4"	32.75#	Armco S.W.	173'	150 sks	Surf (Circ)
9-7/8"	7-5/8"	26.4#	J-55	4108'	150 sks	3250' (TS)

LINER RECORD:

Hole Size	Casing Size	Weight	Grade	Depth Set	Cmt Vol	Cmt Top
6-3/4"	5-1/2"	15.5#	J-55	4042' - 6271'	300 sks	4042' (TS)

TUBING RECORD:

Tubing Size	Weight	Grade	Depth Set	Joints	Other	Depth
1-1/4"	2.4#	J-55	3862'	134		
2-7/8" 3-1/8"	4.7#	J-55	6139'	205	Bkr EGJ Pkr	4092'

FORMATION TOPS:

Ojo Alamo	3334'	Pictured Cliffs	3918'	Pt Lookout	6058'
Kirtland	3547'	Cliffhouse	5625'	Gallup	—
Fruitland	3682'	Menefee	5701'	Dakota	—

Completions:

Pictured Cliffs

Perfs: 3922-38, 3944-62

Frac: 40,000# sand and 37,900 gal water + 35 balls

ISWHP: 905 psi AOF: 7555 MCFD

Mesaverde - Point Lookout

Perfs: 6070-98, 6116-30, 6136-50, 6162-82, 6190-6204

Frac: 60,000# sand and 55,365 gal water + 150 balls

ISWHP: 1098 ps AOF: 2749 MCFD

Cementing Information

10-3/4" casing cemented w/ 150 sks neat

7-5/8" casing cemented w/ 50 sks regular cmt, 50 sks Pozmix, 2% gel, 1/4# Flocele / sk followed by 50 sks neat w/ 2% CaCl.

5-1/2" casing cemented w/ 125 sks regular cement, 125 sks Pozmix, 6% gel & 1/8# Flocele / sk followed by 50 sks neat cement.

Workover History:

N/A

SAN JUAN 27-5 UNIT #36

Unit G, Section 36, T-27-N, R-4-W
Lat. 36-31-37, Long. 107-12-19

CURRENT WELLBORE SCHEMATIC

