

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, 1500' FEL, Sec. 2, T-31-N, R-10-W, NMPM, San Juan County

API # (assigned by OCD)
30-045-11070
5. Lease Number
Fee
6. State Oil & Gas Lease #
7. Lease Name/Unit Name
San Juan 32-9 Unit
8. Well No.
25
9. Pool Name or Wildcat
Blanco Mesaverde
10. Elevation:

Type of Submission

☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment

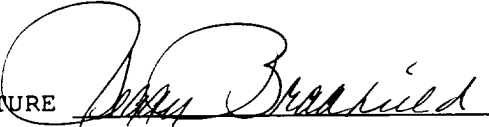
Type of Action

☐ Abandonment ☐ Change of Plans
☐ Recompletion ☐ New Construction
☐ Plugging Back ☐ Non-Routine Fracturing
☐ Casing Repair ☐ Water Shut off
☐ Altering Casing ☐ Conversion to Injection
☒ Other - Pay add and restimulation

13. Describe Proposed or Completed Operations

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

RECEIVED
MAY 20 1996
OIL CON. DIV.
DIST. 3

SIGNATURE  (MEL5) Regulatory Administrator May 16, 1996

(This space for State Use)

Approved by ORIGINAL SIGNED BY ERNIE BUSCH Title DEPUTY OIL & GAS INSPECTOR, DIST. #3 Date MAY 20 1996

San Juan 32-9 Unit #25 - Mesaverde
Point Lookout Restim/Menefee Payadd
Lat-Long by TDG: 36.929794 - 107.848801
NE/4 Section 02, T31N-R10W
COMPLETION PROCEDURE 4/29/96

1. Hold safety meeting. MIRU. Comply with all MOI, BLM and NMOC rules and regulations. Install 7 frac tanks and 1x400 bbl rig tank. Fill each frac tank with 3#s of biocide and Aztec city water with 1% KCl. water.
2. Obtain and record all wellhead pressures. ND WH, NU BOP. TOOH w/ 2-3/8" tubing set at 5516'. Replace bad tubing as necessary.
3. PU 4-3/4" bit and 5-1/2" (15.5#) casing scraper and TIH on 2-3/8" workstring. CO to PBTD (5530'). TOOH.
4. RU wireline and full lubricator. TIH and wireline set a 5-1/2" RBP @ 5000'. Load hole from surface w/ 1% KCL water. *why just trip in w/ packer to 5000' and set - saving time & money.*
5. TIH w/ 5-1/2" fullbore packer and two joints of 2-7/8" N-80 frac string. Set packer and pressure test casing to 3800 psi. Release packer and TOOH standing back frac string. TIH w/ 2-3/8" workstring and retrieving head. Latch on to RBP set @ 5000' and TOOH.
6. Perforate the following Point Lookout interval using 3-1/8" HSC guns with 12 gram charges and 0.29" diameter holes: (6 perfs total)

5521	5546
5525	5552
5536	5557

Inspect guns to ensure all perforations fired. RD wireline.

7. TIH with two Scab Liner Packers with ($\pm 90'$) of 2-3/8" tubing between the two packers on 2-3/8" tubing. Set Scab Liner to overlap the existing Cliffhouse perforations @ 5016' to 5080' (64' between top and bottom perf). Set top packer element @ $\pm 5005'$ and bottom element @ $\pm 5095'$. TOOH.
8. TIH w/ 5-1/2" fullbore packer and two joints of 2-7/8" N-80 frac string. Set packer @ $\pm 60'$. Set 500 psi on backside and monitor during acid job.
9. **Maximum allowable treating pressure is 3800 psi during acid job.** Pump 1500 gallons of 15% HCL acid @ max rate pressure will allow dropping 7/8" diameter RCN ball sealers spaced evenly throughout the job (total of 100 balls- Point Lookout had 60 perfs prior to this workover). Release packer and TOOH standing back frac string.
10. RU wireline, retrieve balls off of perforations w/ 5-1/2" junk basket. Report number of hits.
11. TIH w/ 5-1/2" fullbore packer and two joints of 2-7/8" N-80 frac string. Set packer @ $\pm 60'$. Set 500 psi on backside and monitor during frac.
12. **Hold safety meeting. Maximum allowable surface treating pressure is 3800 psi.**
13. Pressure test surface lines to 4800 psi. (1000 psi over maximum treating pressure but less than the working pressure of the lines.) Restimulate the Point Lookout interval @ ± 75 BPM using 30# cross link and 75M lbs. of sand (15% resin coated) with 7000 SCF/M N2 tagged with Iridium. (See attached stimulation procedure.) Do not over displace during flush. (Stage flush as soon as sand concentration begins to fall.) Shut in well immediately after completion of the stimulation until pressure falls to zero.

San Juan 32-9 Unit #25
Mesaverde Restim/Payadd

14. Release packer and TOOH standing back frac string.
15. RIH and wireline set a 5-1/2" CIBP @ \pm 5475'. TIH w/ 5-1/2" fullbore packer and two joints of 2-7/8" N-80 frac string. Set packer and pressure test CIBP to 3800 psi. Release packer and TOOH standing back frac string.
16. Perforate the following Menefee and Point Lookout (top of Massive) interval using 3-1/8" HSC guns with 12 gram charges and 0.29" diameter holes. (22 perfs total)

5158	5359
5166	5365
5207	5369
5240	5407
5246	5416
5271	5433
5278	5437
5294	5448
5298	5454
5327	5458
5332	5462

Inspect guns to ensure all perforations fired. RD wireline.

17. TIH w/ 5-1/2" fullbore packer and two joints of 2-7/8" N-80 frac string. Set packer @ \pm 60'. Set 500 psi on backside and monitor during acid job.
18. **Maximum allowable treating pressure is 3800 psi during acid job.** Pump 1500 gallons of 15% HCL acid @ max rate pressure will allow dropping 7/8" diameter RCN ball sealers spaced evenly throughout the job (2 balls per perforation hole). Release packer and TOOH standing back frac string.
19. RU wireline, retrieve balls off of perforations w/ 5-1/2" junk basket. Report number of hits.
20. TIH w/ 5-1/2" fullbore packer and two joints of 2-7/8" N-80 frac string. Set packer @ \pm 60'. Set 500 psi on backside and monitor during frac.
21. **Hold safety meeting. Maximum allowable surface treating pressure is 3800 psi.**
22. Pressure test surface lines to 4800 psi. (1000 psi over maximum treating pressure but less than the working pressure of the lines.) Fracture stimulate the Menefee/Massive Point Lookout interval @ \pm 40 BPM using 30# cross link and 110M lbs. of sand (15% resin coated) tagged with Iridium. (See attached stimulation procedure.) Do not over displace during flush. (Stage flush as soon as sand concentration begins to fall.) Shut in well immediately after completion of the stimulation until pressure is zero.
23. Release packer and TOOH standing back frac string.
24. TIH with Scab Liner retrieving tool and bumper sub on 2-3/8" workstring. Recover Scab Liner and TOOH.
25. PU 4-3/4" bit and TIH 2-3/8" workstring. CO to CIBP set @ 5475'. Obtain pitot gauge for Cliffhouse / Menefee interval.
26. Drill up CIBP set @ 5475' and CO to PBTD (5530'). PU above the Mesaverde perforations and flow the well naturally, making short trips for clean up when necessary. Obtain pitot gauge for Mesaverde after clean up.

San Juan 32-9 Unit #25
Mesaverde Restim/Payadd

27. When sand has diminished, TOOH.
28. TIH with one joint of 2-3/8", 4.7#, J-55 tubing w/ expendable check, an F-nipple, then the remaining 2-3/8" production tubing. CO to PBTD. Land tubing near bottom perforation (5557').
29. ND BOP's, NU WH. Pump off expendable check. Obtain final pitot up the tubing if possible. If well will not flow on it's own, make swab run to FN. If a swab run is not necessary, run a broach on slickline to ensure that the tubing is clear. RD and MOL. Return well to production.

Approval:

Drilling Superintendent

Approval:

Northwest Basin Team Leader

Contacts:

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MEL:mel

Pertinent Data Sheet
SAN JUAN 32-9 UNIT #25

Location: Unit G-SW/4 NE/4, Section 02, T31N, R10W, 1650' FNL, 1500' FEL.
Lat. 36.929794 Long. -107.848801 by TDG
San Juan County, NM

Field: Blanco Mesaverde

Elevation: 6321' GR
KB: NA

TD: 5590'
PBTD: 5530'

Spud Date: 02/07/56

Completed: 03/07/56

DP No: 69869

Prop. No: 0023423

Casing/Liner Record:

<u>Hole Size</u>	<u>Csg. Size</u>	<u>Wt. & Grade</u>	<u>Depth Set</u>	<u>Cement</u>	<u>Top/Cement</u>
13 3/4"	9 5/8"	25.4# SW	173'	125 sx	To surface
8 3/4"	7"	20# K-55	3240'	250 sx	1740' (TS)
6 1/4"	5 1/4"	15.5# J-55 Liner	5590'	250 sx	5100' (TS)

Tubing Record: 2 3/8" 4.7# J-55 tubing set @ 5516'.

Formation Tops:

Ojo Alamo:	1540'
Kirtland:	1610'
Fruitland:	2720'
Pictured Cliffs:	3147'
Lewis:	3392'
Upper Cliffhouse:	4700'
Massive Cliffhouse:	5007'
Menefee:	5098'
Massive Point Lookout:	5414'
Lower Point Lookout:	5510'

Logging Record: ES, GRL, Ind., ML, TS, GRN, B&R

Stimulation History:

Perfed Upper Cliffhouse 5016'-5038'. Fraced with 60,000 # of sand and 48,086 gallons of water.
Perfed Massive Cliffhouse 5058'-5080'. Fraced with 60,000# of sand and 57,726 gallons of water.
Perfed Lower Point Lookout 5496'-5510'. Fraced with 55,000# of sand and 57,600 gallons of water.

SAN JUAN 32-9 UNIT #25

BLANCO MESAVERDE

AS OF 4/19/96

1650' FNL, 1500' FEL

SEC 2, T31N, R10W, SAN JUAN COUNTY, NM

COMPLETED 3/07/56
ELEVATION 6321' GR

OJO ALAMO @ 1540'
KIRTLAND @ 1610'

FRUITLAND @ 2720'

PICTURED CLIFFS @ 3147'

LEWIS @ 3392'

UPPER CLIFF HOUSE @ 4700'

MASS. CLIFF HOUSE @ 5007'

MENEFEE @ 5098'

MASS. POINT LOOKOUT @ 5414'

LOWER POINT LOOKOUT @ 5510'

13-3/4" HOLE

9-5/8" 25.4# SW CSG SET @ 173'
CMT W/125 SX
CIRC. CMT TO SURFACE

8-3/4" HOLE

TOC @ 1740' (TS)

2-3/8" 4.7# J-55 TBG SET @ 5516'

7" 20# K-55 CSG SET @ 3240'
CMT W/250 SX

6-1/4" HOLE

PERF UCLFH 5016'-5024', 5028'-5038' 120 SHOTS (6 SP
FRAC W/60,000# SAND AND 48,086 GALS WATER

TOC @ 5100' (TS)

PERF MCLFH 5058'-5064', 5068'-5080' 120 SHOTS (6 SP
FRAC W/60,000# SAND AND 57,726 GALS WATER

PERF MPL 5400'-5412', 5416'-5428', COULD NOT
BREAK DOWN PERFS - DID NOT FRAC

PERF MPL 5496'-5510' 60 SHOTS (4 SPF)
FRAC W/55,000# SAND AND 57,600 GALS WATER

5-1/2" 15.5# J-55 CSG @ 5590'
CMT W/250 SX

TD 5590'
PBD 5530'