

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

990' FNL, 1800' FEL, Sec.26, T-31-N, R-11-W, NMPM, San Juan County

API # (assigned by OCD)

30-045-10359

5. Lease Number

Fee

6. State Oil&Gas Lease #

7. Lease Name/Unit Name

Randlemon

8. Well No.

1

9. Pool Name or Wildcat

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 and restimulation

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

SIGNATURE



(MEL4) Regulatory Administrator June 7, 1996

(This space for State Use)

Approved by

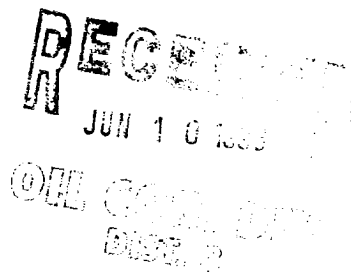
ORIGINAL SIGNED BY ERNIE BUSCH

Title

DEPUTY OIL & GAS INSPECTOR, DIST. #3

Date

JUN 10 1996



Randlemcn #1 - Mesaverde
Point Lookout Restim and Menefee/Lewis Payadd
Lat-Long by TDG: 36.874008 - 107.956924
NE/4 Section 26, T31N-R11W
COMPLETION PROCEDURE 5/31/96

1. Hold safety meeting. MIRU. Comply with all MOI, BLM and NMOCD rules and regulations. Install 9 frac tanks and 1x400 bbl rig tank. Fill each frac tank with 3#'s of biocide and Aztec city water with 2% KCl. water.
2. Obtain and record all wellhead pressures. ND WH, NU BOP. TOOH w/ 2-3/8" tubing set at 4689'. Replace bad tubing as necessary.
3. PU 7" (20#) casing scraper, TIH and run casing scraper to 4385'. TOOH.
4. TIH with 2-3/8" tubing, 5-1/2" (15.5#) casing scraper and 4-3/4" bit. CO to PBTD of 4739'. Blow hole clean with air/mist. TOOH.
5. RU wireline with full lubricator. Run CNL from 4739' to 2400'. Send logs to engineering/geology as soon as possible and perforation intervals will be provided. RIH and wireline set a RBP @ \pm 4515'. Dump 10' of sand on top of RBP w/ dump bailer.
6. Load hole from surface w/ 2% KCL water. Run CBL-GR-CCL from \pm 4515' to surface.
7. TIH w/ 7" fullbore packer and two joints of 2-7/8" N-80 frac string. Set packer and pressure test casing and RBP to 3000 psi. Release packer and TOOH standing back frac string.
8. TIH w/ retrieving head on 2-3/8" tubing. Latch on to RBP set @ 4515' and TOOH.
9. TIH w/ 5-1/2" cement retainer on 2-3/8" tubing. Set cement retainer @ \pm 4475'.
10. RU cement company. Establish rate into perforations (4526' - 4730'). Squeeze perforations w/ 200 sx of Class B cement. Sting out of retainer and TOOH. WOC for 18 hrs.
11. TIH w/ 4-3/4" bit, 3-1/8" drill collars and 2-3/8" tubing. Drill up cement retainer (set @ \pm 4475') and cement. CO to PBTD (4739'). Pressure test to 1500 psi. TOOH.
12. RU wireline w/ full lubricator and perforate the Point Lookout interval using 3-1/8" HSC guns with 12 gram charges and 0.29" diameter holes. (Perfs will be provided after reviewing logs.)

Inspect guns to ensure all perforations fired. RD wireline.
13. TIH w/ 7" 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.
14. **Maximum allowable treating pressure is 3000 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 for each perf). Release packer and TOOH standing back frac string.
15. RU wireline, retrieve balls off of perforations w/ 5-1/2" junk basket. Report number of hits.
16. TIH w/ 7" 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.
17. **Hold safety meeting. Maximum allowable surface treating pressure is 3000 psi.**

18. Pressure test surface lines to 4000 psi. (1000 psi over maximum treating pressure but less than the working pressure of the lines.) Restimulate the Point Lookout interval @ ± 40 BPM using 30# linear gel w/ 70 Quality Nitrogen and 100M lbs. of sand tagged with Iridium. (See attached stimulation procedure - Final design will be provided after reviewing logs.) Do not over displace during flush. (Stage flush as soon as sand concentration begins to fall.) Cut flush by 15% if well is on a vacuum. Flow well back through 1/8" positive choke. Increase choke size until pressure falls to zero.
19. Release packer and TOOH standing back frac string.
20. RU wireline w/ full lubricator. RIH and wireline set a 5-1/2" CIBP @ $\pm 4500'$. TIH w/ 7" fullbore packer and two joints of 2-7/8" N-80 frac string. Set packer and pressure test CIBP to 3000 psi. Release packer and TOOH standing back frac string.
21. Perforate the Menefee interval (± 4200 - ± 4450) using 3-1/8" HSC guns with 12 gram charges and 0.29" diameter holes. (Perfs will be provided after reviewing logs.)

Inspect guns to ensure all perforations fired. RD wireline.
22. TIH w/ 7" 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.
23. **Maximum allowable treating pressure is 3000 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.
24. RU wireline, retrieve balls off of perforations w/ 5-1/2" junk basket. Report number of hits.
25. TIH w/ 7" 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.
26. **Hold safety meeting. Maximum allowable surface treating pressure is 3000 psi.**
27. Pressure test surface lines to 4000 psi. (1000 psi over maximum treating pressure but less than the working pressure of the lines.) Fracture stimulate the Menefee interval @ ± 40 BPM using 30# linear gel w/ 70 Quality Nitrogen and 115.5M lbs. of sand tagged with Iridium. (See attached stimulation procedure - Final design will be provided after reviewing logs.) Do not over displace during flush. (Stage flush as soon as sand concentration begins to fall.) Cut flush by 15% if well is on a vacuum. Flow well back through 1/8" positive choke. Increase choke size until pressure falls to zero.
28. Release packer and TOOH standing back frac string.
29. RU wireline w/ full lubricator. RIH and set a 7" RBP @ $\pm 3500'$. TIH w/ 7" fullbore packer and two joints of 2-7/8" N-80 frac string. Set packer and pressure test CIBP to 3000 psi. Release packer and TOOH standing back frac string.
30. Dump $\pm 10'$ of sand on top of RBP w/ dump bailer.
31. Perforate the Lewis interval (± 2500 - ± 3400) using 3-1/8" HSC guns with 12 gram charges and 0.29" diameter holes. (Perfs will be provided after reviewing logs.)

Inspect guns to ensure all perforations fired. RD wireline.

32. TIH w/ 7" 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.
33. **Maximum allowable treating pressure is 3000 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.
34. RU wireline, retrieve balls off of perforations w/ 7" junk basket. Report number of hits.
35. TIH w/ 7" 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.
36. **Hold safety meeting. Maximum allowable surface treating pressure is 3000 psi.**
37. Pressure test surface lines to 4000 psi. (1000 psi over maximum treating pressure but less than the working pressure of the lines.) Fracture stimulate the Lewis interval @ ± 40 BPM using 30# linear gel w/ 70 Quality Nitrogen and 86.1M lbs. of sand tagged with Iridium. (See attached stimulation procedure - Final design will be provided after reviewing logs.) Do not over displace during flush. (Stage flush as soon as sand concentration begins to fall.) Cut flush by 15% if well is on a vacuum. Flow well back through 1/8" positive choke. Increase choke size until pressure falls to zero.
38. Release packer and TOOH laying down frac string.
39. TIH notched collar and 2-3/8" workstring. CO to RBP set @ 3500'. Obtain pitot gauge for Lewis interval.
40. TIH w/ retrieving head on 2-3/8" tubing and CO to RBP set @ 3500'. Release RBP and TOOH.
41. PU 4-3/4" mill and TIH 2-3/8" workstring. CO to CIBP set @ 4500'. Obtain pitot gauge for Lewis / Menefee interval.
42. Drill up CIBP set @ 4500' and CO to PBTD (4739'). 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.
43. When sand has diminished, TOOH.
44. RU wireline and run After Frac GR from $\pm 4739'$ to top of tracer activity.
45. 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 ($\pm 4730'$).
46. 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

RANDLEMON #1

Location: Unit B NW/4 NE/4, Section 26, T31N, R11W, 990' FNL, 1800' FEL,
Lat. 36.874008, Long. -107.956924 by TDG
San Juan County, NM

Field: Blanco Mesaverde

Elevation: 5717' GR
KB: N/A

TD: 4775'
COTD: 4739'

Spud Date: 01-06-57

Completed: 01-30-57

DP No: 65464

Prop. No: 0023112

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>
	10¾"	32.75# SW	171'	150 sx	to surface
	7"	20&23# J-55	4445'	300 sx	
				(2 stages)	1550' (TS)
		Stage Tool	2513'		
	5½"	15.5# J-55 Liner	4388'-4773'	60 sx	TOC Liner Top

Tubing Record: 2 3/8" 4.7# tubing set @ 4689'.

Formation Tops:

Ojo Alamo:	789'
Kirtland:	835'
Fruitland:	1934'
Pictured Cliffs:	2353'
Lewis:	2520'
Upper Cliffhouse:	3770'
Massive Cliffhouse:	4070'
Menefee:	4184'
Massive Point Lookout:	4568'
Lower Point Lookout:	4728'

Logging Record: ES, ML, GRN, TS

Perforation and Stimulation: Perfed Point Lookout 4526'-4730' and fraced with 60,000# of sand and 57,355 gallons of water.

RANDLEMON #1
BLANCO MESAVERDE
AS OF 3/25/96
990' FNL, 1800' FEL
SEC 26, T31N, R11W, SAN JUAN COUNTY, NM

