

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, 1750' FEL, Sec. 27, T-31-N, R-11-W, NMPM, San Juan County

API # (assigned by OCD)
30-045-10360
5. Lease Number
Fee
6. State Oil & Gas Lease #
7. Lease Name/Unit Name
Calloway
8. Well No.
1
9. Pool Name or Wildcat
Blanco Mesaverde
10. Elevation: 5738 GR

Type of Submission	Type of Action
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other - Pay add
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut off
	<input type="checkbox"/> Conversion to Injection

13. Describe Proposed or Completed Operations

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

RECEIVED
DEC - 6 1995
OIL CON. DIV.
DIST. 3

SIGNATURE *Ernie Busch* (TJM4) Regulatory Administrator December 4, 1995

(This space for State Use)

Approved by ORIGINAL SIGNED BY ERNIE BUSCH Title DEPUTY OIL & GAS INSPECTOR, DIST. #3 Date DEC - 6 1995

Pertinent Data Sheet

CALLOWAY #1

Location: NW/4 NE/4, Section 27, T31N, R11W, 990' FNL. 1750' FEL.
Lat. 36.874283, Long. 107.974976 by TDG
San Juan, NM

Field: Blanco Mesaverde

Elevation: 5738' GR

KB: 10'

TD: 4890'

PBTD: 4857'

Spud Date: 07-12-53

Completed: 07-30-53

DP No: 48639A

Prop. No: 012587000

Fed. No: FEE

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>
12 3/4"	9 5/8"	25.4# SW	174'	150 sx	to surface
8 3/4"	7"	20#&23# J-55	4550'	283 sx	TOC 1775' (TS)
(712' 23" @ 3839'-4550', 3829' 20# @ 0'-3839')					
6 1/8"	4 1/2" Liner	10.5# J-55	4422'-4872'	200 sx	to liner top
	Burns Liner Hanger				reversed 18 bbls

Tubing Record: 2" 4.7# tubing set at 4845'.

Formation Tops:

Ojo Alamo:	774'	Upper Cliff House:	3850'
Kirtland:	818'	Massive Cliff House:	3950'
Fruitland:	1914'	Menefee:	4160'
Pictured Cliffs:	2364'	Point Lookout:	4604'
Shinarump:	3450'	Lower Point Lookout:	4775'

Logging Record: ES, GRI, TS.

Stimulation: Shot 4600'-4890' with 760 qts SNG

Workover History: 12/62-1/63 - Tested casing to 3000#. Ran 4-1/2" liner. TOC @ 4420'.
Squeezed at 4590' with 100 sacks cement.
Perfed Point Lookout 4689'-4695', 4710'-4716', 4766'-4772' w/60,000# of sand
and 62,060 gallons of water.

CALLOWAY #1

BLANCO MESAVERDE

AS OF 9/18/95

990' FNL, 1750' FEL

SEC 27, T31N, R11W, SAN JUAN COUNTY, NM

SPUD 7/12/53
COMPLETED 7/30/53
WORKOVER 1/05/63
ELEVATION 5738' GR
KB 10'

9-5/8" 25.4 SW CSG SET @ 174'
CMT W/150 SX
CIRC. CMT TO SURFACE

OJO ALAMO @ 774'
KIRTLAND @ 818'

2" 4.7# TBG SET @ 4845

FRUITLAND @ 1914'

TOC @ 1775' (TEMP. SURVEY)

PICTURED CLIFFS @ 2364'

~~CHAOS @ 2136'~~

UPPER CLIFF HOUSE @ 3850'
MASS. CLIFF HOUSE @ 3950'
MENELEE @ 4160'

7" 20# & 23# J-55 CSG SET @ 4550'
CMT W/283 SX

POINT LOOKOUT @ 4604'
LOWER POINT LOOKOUT @ 4775'

SQ @ 4590' W/ 100 SX CMT

PERF PL 4689'-4695', 4710'-4716', 4766'-4772'
FRAC W/60,000# SAND
AND 62,080 GALS WATER

4-1/2" 20# & 23# J-55 LINER @ 4422'-4872'
CMT W/200 SX TO LINER TOP
(REVERSED OUT 18 BBLs)

TD 4890'
PBD 4857'

Calloway #1 - Mesaverde
Menefee / Cliffhouse Payadd
Lat-Long by TDG: 36.874283 - 107.974976
NE/4 Section 27, T31N-R11W
September 29, 1995

1. Hold safety meeting. MIRU. Comply with all MOI, BLM and NMOCDD rules and regulations. Install 13 frac tanks and 1x400 bbl rig tank. Fill each frac tank with 5#s of biocide and filtered (25 micron) 1% KCl water.
2. Obtain and record all wellhead pressures. ND WH. NU BOP. TOOH w/ 2-3/8" tubing set at 4845'. Replace bad tubing as necessary.
3. PU 7" (23#) casing scraper, TIH and run casing scraper to 4400'. TOOH.
4. TIH with 2-3/8" tubing, 4-1/2" (10.5#) casing scraper and 3-7/8" bit. CO to PBTD of 4857'. TOOH.
5. RU wireline company and run a CNL from 4900' to 3700'. Send copy of log to engineering and perforation intervals will be provided.
6. TIH w/ 4-1/2" CIBP and set CIBP @ 4675'. Load hole w/ 1% KCL water. Pressure test casing to 3000#. Spot Menefee interval (\pm 4665' - \pm 4165') w/ 615 gallons of inhibited 15% HCL acid. TOOH.
7. RU wireline and run CBL-GR-CCL from \pm 4670' to Surface.
8. Perforate the Menefee interval (\pm 4665' - \pm 4165') top down using GOEX 12 gram charges and 0.22" diameter holes. (Intervals will be provided after reviewing logs.) Inspect guns to ensure all perforations fired. RD wireline.
9. TIH w/ 7" fullbore packer and 2 joints of 3-1/2" N-80 tbg. Set packer.
10. **Maximum allowable treating pressure is 3000 psi during acid job.** Pump 2000 gallons of 15% HCL acid @ 8 Bbls/min dropping 7/8" diameter RCN ball sealers spaced evenly throughout the job (2 balls per perforation hole).
11. Release packer and TIH w/ 7" fullbore packer to 4422' to knock balls off. TOH. TIH w/ 4-1/2" csg scraper to 4670. TOH.
12. TIH w/ 7" fullbore and 2 joints of 3-1/2" N-80 tbg. Set packer.
13. Hold safety meeting. **Maximum allowable surface treating pressure is 3000 psi @ 30 Bbls/min.**
14. 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 @ 30 BPM using 30# linear gel and 80m lbs of sand tagged w/ Iridium. (Final stimulation procedure will be attached after reviewing logs.) Do not over displace during flush. Shut in well immediately after completion of the stimulation until pressure falls to zero.
15. Release packer and TOOH standing back frac string. Check and inspect packer. RU wireline and set a 7" RBP @ \pm 4160'. Dump sand on top of RBP w/ dump bailer.
16. TIH w/ retrieving head and load hole from bottom. Pressure test csg to 3000#. TOH.

Calloway #1
Mesaverde Payadd
September 29, 1995

17. Perforate Cliffhouse interval ($\pm 4155'$ - $\pm 3850'$) top down using 3-1/8" HSC guns with 12 gram charges and 0.31" diameter holes. (Perforation interval will be provided after reviewing logs.) Inspect guns to ensure all perforations fired. RD wireline.
18. TIH w/ 7" fullbore packer and 2 joints of 3-1/2" tbg. Set packer.
19. **Maximum allowable treating pressure is 3000 psi during acid job.** Pump 1500 gallons of 15% HCL acid @ 8 Bbls/min dropping 7/8" diameter RCN ball sealers spaced evenly throughout the job (2 balls per perforation hole).
20. Release packer and TIH to knock balls off. TOH to 60' and reset packer.
21. Hold safety meeting. **Maximum allowable surface treating pressure is 3000 psi @ 30 Bbls/min.**
22. 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 Cliffhouse interval @ 30 BPM using 30# linear gel and 105m lbs of sand tagged w/ Iridium. (Final stimulation procedure will be attached after reviewing logs.) Do not over displace during flush. Shut in well immediately after completion of the stimulation until pressure falls to zero.
23. Release packer and TOOH laying down frac string.
24. TIH w/ retrieving head and CO to RBP @ $\pm 4160'$ until sand production is minimal. Obtain pitot gauge for Cliffhouse interval. Release RBP @ 4160' and TOOH.
25. TIH w/ 3-7/8" bit and drill up CIBP set @ 4675'. CO to PBTD (4857'). 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.
26. When sand has diminished, TOOH.
27. RU wireline company. Run After Frac GR from 4800' to top of tracer activity.
28. TIH with one joint of 2-3/8", 4.7#, J-55 tubing w/ expendable check, an F-nipple, then the rest of the tbg. Land tubing near bottom Mesaverde perforation (4830').
29. ND BOP's, NU WH. Pump off expendable check. Obtain final pitot. RD and MOL. Return well to production.