

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

989' FSL, 878' FWL, Sec. 29, T-31-N, R-11-W, NMPM, San Juan County

API # (assigned by OCD)

30-045-10259

5. Lease Number

Fee

6. State Oil & Gas Lease #

7. Lease Name/Unit Name

Heaton

8. Well No.

7

9. Pool Name or Wildcat

Blanco Mesaverde

10. Elevation: 5861 GR

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 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



(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 - HEATON #7

Location: SW/4 SW/4, Section 29, T31N, R11W, 989' FSL, 878' FWL,
Lat. 36.865448, Long. 108.018875 by TDG
San Juan, NM

Field: Blanco Mesaverde
4780'

Elevation: 5861' GR
KB: 5872'

TD: 4960'
PBTD:

Spud Date: 04-19-56

Completed: 05-06-56

DP No: 49558A

Prop. No: 012614900

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>
17 1/4"	10 3/4"	32.75# SW	173'	150 sx	to surface
8 3/4"	7"	394' of 23# J-55 (on bottom)	4510'	300 sx	TOC 2350' (TS)
6 3/4"	5 1/4" Liner	4104' of 20# J-55 (on top) 15.5# J-55	4429'-4961'	110 sx	TOC liner top (TS)

Tubing Record: 2 3/8" 4.7# tubing set at 4761'.

Formation Tops:

Ojo Alamo:	690'	Upper Cliff House:	3896'
Kirtland:	800'	Massive Cliff House:	3993'
Fruitland:	2040'	Menefee:	4139'
Pictured Cliffs:	2355'	Point Lookout:	4607'
Lewis:	2545'	Lower Point Lookout:	4775'
Chaco:	3476'		

Logging Record: ES, GRL, Ind., ML, TS

Stimulation: -Perfed Upper Point Lookout 4604'-4622' w/30,000# of sand and 29,694 gallons of water.
ATP = 2100#. Injection rate = 42 BPM
-Perfed Point Lookout 4666'-4678', 4690'-4700', 4712'-4722' w/99,000# of sand and 88,400
gallons of water. ATP = 1350#. Injection rate = 66 BPM.

HEATON #7

BLANCO MESAVERDE

AS OF 9/18/95

989' FSL, 878' FWL

SEC 29, T31N, R11W, SAN JUAN COUNTY, NM

SPUD 4/19/56
COMPLETED 5/06/56
ELEVATION 5861' GR
KB 5872'

OJO ALAMO @ 690'
KIRTLAND @ 800'

FRUITLAND @ 2040'

PICTURED CLIFFS @ 2355'
LEWIS @ 2545'

~~CHACRA @ 3176'~~

UPPER CLIFF HOUSE @ 3896'
MASS CLIFF HOUSE @ 3993'
MENELEE @ 4139'

POINT LOOKOUT @ 4607'

LOWER POINT LOOKOUT @ 4775'

17-1/4" HOLE

10-3/4" 32.75 SW CSG SET @ 173'
CMT W/150 SX
CIRC. CMT TO SURFACE

8-3/4" HOLE

2-3/8" 4.7# TBG SET @ 4761'

TOC @ 2350' (TEMP. SURVEY)

7" 20# & 23# J-55 CSG SET @ 4510'
CMT W/300 SX

6-3/4" HOLE

PERF UPPER PL 4604'-4622'
FRAC W/30,000# SAND
AND 29,694 GALS WATER

PERF PL 4666'-4678', 4690'-4700', 4712'-4722'
FRAC W/99,000# SAND
AND 88,400 GALS WATER

5-1/2" 15.5# J-55 LINER @ 4429'-4961'
CMT W/110 SX TO LINER TOP

TD 4960'
PBTD 4780'

Heaton #7 - Mesaverde
Menefee / Cliffhouse Payadd
Lat-Long by TDG: 36.865448 - 108.018875
SW/4 Section 29, T31N-R11W
October 25, 1995

1. Hold safety meeting. MIRU. Comply with all MOI, BLM and NMOCD 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 4761'. 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, 5-1/2" (15.5#) casing scraper and 4-3/4" bit. CO to PBTD of 4780'. TOOH.
5. RU wireline company and run a CNL from 4750' to 3750'. Send copy of log to engineering and perforation intervals will be provided.
6. TIH w/ 5-1/2" CIBP and set CIBP @ 4590'. Load hole w/ 1% KCL water. Pressure test casing to 3800#. Spot Menefee interval (\pm 4580' - \pm 4160') w/ 420 gallons of inhibited 15% HCL acid. TOOH.
7. RU wireline and run CBL-GR-CCL from \pm 4590' to Surface.
8. Perforate the Menefee interval (\pm 4580' - \pm 4160') 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 4429' to knock balls off. TOH. TIH w/ 4-1/2" csg scraper to 4580. 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 3800 psi @ 30 Bbls/min.**
14. 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 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 4150'. 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.

Heaton #7
Mesaverde Payadd
October 25, 1995

17. Perforate Cliffhouse interval ($\pm 4140'$ - $\pm 3900'$) 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 3800 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 3800 psi @ 30 Bbls/min.**
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 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 @ $\pm 4150'$ until sand production is minimal. Obtain pitot gauge for Cliffhouse interval. Release RBP @ 4150' and TOOH.
25. TIH w/ 4-3/4" bit and drill up CIBP set @ 4590'. CO to PBTD (4780'). 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 4700' 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 (4720').
29. ND BOP's, NU WH. Pump off expendable check. Obtain final pitot. RD and MOL. Return well to production.

Heaton #7
Mesaverde Payadd
October 25, 1995

Approval:

Drilling Superintendent

Approval:

Budd P Zide 11-2-95
Northwest Basin Team Leader

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