

submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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
1850'FNL, 1850'FEL, Sec.14, T-30-N, R-10-W, NMPM

5. Lease Number
SF-078200A

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

8. Well Name & Number
Grambling C #1

9. API Well No.
30-045-09504

10. Field and Pool
Blanco Mesaverde

11. County and State
San Juan Co, NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

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

13. Describe Proposed or Completed Operations

It is intended to add pay to the existing Mesaverde production according to the attached procedure and wellbore diagram.

RECEIVED
FEB 3 1995
OIL COAL DIV.
DIST. 3

14. I hereby certify that the foregoing is true and correct.

Signed [Signature] (MEL5) Title Regulatory Affairs Date 1/26/95

(This space for Federal or State Office use)

APPROVED BY _____ Title _____ Date _____

CONDITION OF APPROVAL, if any:

APPROVED

JAN 27 1995

DISTRICT MANAGER

NMOCD

Pertinent Data Sheet - Grambling C #1

Location: 1850' FNL. 1950' FEL. Unit G. Section 14, T30N. R10W. San Juan County. New Mexico

Field: Blanco Mesaverde

Elevation: 6397' DF

TD: 5509

Completed: 03-31-52

Prop #: 012567800

DP #: 48245A

Workover: 09-21-59

Casing 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 1/4" | 9 5/8" | 36.0# J-55 | 150' | 80 sxs | Surface/Circ |
| 8 3/4" | 5 1/2" | 14.0# J-55 | 4600' | 300 sxs TOC @ | 3300' TS |
| 4 1/2" | 3 1/2" | 7.58# Liner | 4512' - 5400' | 68 sxs | TOC @ 4512' TS |

Tubing Record:

| <u>Tbg Size</u> | <u>Wt. & Grade</u> | <u>Depth Set</u> |
|-----------------|------------------------|------------------|
| 1 1/4" | 2.4# | 5346' |

Formation Tops:

| | | | |
|------------------|-------|----------------|-------|
| Ojo Alamo: | 1702' | Lewis: | 3067' |
| Kirtland: | 1812' | Cliffhouse: | 4648' |
| Fruitland: | 2653' | Menefee: | 4962' |
| Pictured Cliffs: | 2998' | Point Lookout: | 5266' |

Logging Record:

Stimulation:

Shot 1785 quarts of SNG from 4639' to 5509'

Workover History:

08/59:

Perf: 5280' - 5290', 5300' - 5312', 5330' - 5340', 5352' - 5362', 5368' - 5378' w/2 DJF
Frac: w/60,000# sand & 57,000 gal. water. Flush w/7,100 gal.

Production History:

Transporter: EPNG

Grambling C #1

Current -- 1/11/95

Mesaverde DPNO 48245A

1850' FNL, 1850' FEL
Sec. 14, T30N, R10W, San Juan Co., NM

Spud: 2-23-52

Completed: 4-01-52

Sidetracked: 8-26-59

Ojo Alamo @ est 1702'

Kirtland @ est 1812'

Fruitland @ est 2653'

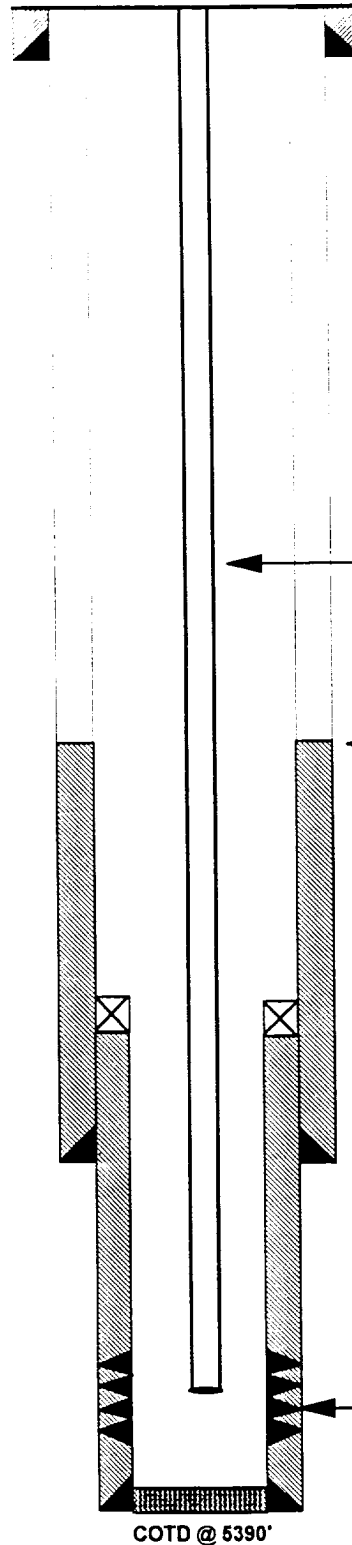
Pictured Cliffs @ est 2998'

Lewis @ est 3067'

Cliff House @ 4648'

Menefee @ 4862'

Point Lookout @ 5266'



9 5/8", 35#, J-55 Surface csg
set @ 150'. Cement with 80 sacks
to surface.

1 1/4" tubing set @ 5356'

TOC @ 3300' (TS)

5 1/2", 4#, J-55 csg set @
4600'. Cmt with 300 sacks

PL Perfs @ 5280' - 5378'
Frac with 60,000# sand
and 57,000 gal water

3 1/2", 7.58#, liner set @ 4512' - 5400'
Cement with 86 sacks to liner top

COTD @ 5390'

TD @ 5428'

Grambling C #1 - Mesaverde
Cliff House and Menefee Payadd
Lat-Long by TDG: 36.814056 - 107.850800
Section 14, T30N-R10W
January 23, 1995

1. Hold safety meeting. MIRU. Install safety equipment and fire extinguishers in strategic locations. Install frac tanks and 1x400 bbl rig tank. Fill each frac tank with 5#s of biocide and filtered (25 micron) 2% KCl water.
2. Obtain and record all wellhead pressures. ND WH, NU BOP. TOOH with 1 1/4" tubing set at 5356'. Replace tubing with 2-3/8", 4.7#, J-55 tubing.
3. Pick up bit and 3-1/2", 7.58# casing scraper and TIH. Make scraper run to PBTD of 5390'. TOOH. Lay down casing scraper and bit.
4. RU wireline and run GSL-GR-CCL from \pm 5270' to \pm 4270'. Send copy of GSL to engineering and perforation intervals will be provided.
5. PU 3-1/2" RBP and wireline set RBP @ 5260'. Dump sand on top of RBP with dump bailer.
6. Load hole with fresh water and pressure test casing to 1000 psi for 15 minutes. If casing fails, contact engineering for changes in procedure.
7. Perforate the Menefee interval determined from GSL log using 0.28" diameter holes and 2-1/2" HSC guns. Inspect guns to ensure all perforations fired.
8. SI well for 24 hours with an Amerada pressure bomb set at 5000'. Have BHP information sent to engineering within 24 hours.
9. PU 2-7/8" workstring and 3-1/2" packer and TIH. TIH to 5250 and set packer. Pressure test casing and BP to 3400 psi. Release packer and TOOH to 4500' and reset packer.
10. Balloff Menefee perforations with 1500 gallons of 15% HCL acid and RCN balls (2 balls per perforation hole). Maximum allowable treating pressure is 3400 psi. TIH and knock balls off. TOOH.
11. TIH w/ 5-1/2" fullbore packer and 2 joints of 2-7/8" N-80 frac string.
12. RU frac company. Hold safety meeting. Test surface lines to 4400 psi. **Maximum surface treating pressure is 3400 psi.** Fracture Menefee according to attached procedure. Shut in well immediately after completion of the stimulation until pressure falls to zero. TOOH w/ packer.
13. Wait a minimum of 1 hour, tag sand plug w/ wireline and report to engineering immediately. If sand plug is below perforations, PU 3-1/2" RBP and set @ 4875'. Pressure test plug to 3400 psi.
14. Perforate the Cliffhouse determined from GSL log using 0.28" diameter holes and 2-1/2" HSC guns.
15. TIH w/ 5-1/2" fullbore packer and 2 joints of 2-7/8" N-80 frac string. Balloff Cliffhouse perforations with 1500 gallons of 15% HCL acid and RCN balls (2 balls per perforation hole) Maximum allowable treating pressure is 3400 psi. TIH and knock balls off. TOOH.
16. TIH w/ 5-1/2" fullbore packer and 2 joints of 2-7/8" N-80 frac string.

17. RU frac company. Hold safety meeting. Test surface lines to 4400 psi. **Maximum surface treating pressure is 3400 psi.** Fracture Cliffhouse according to attached procedure. Shut in well immediately after completion of the stimulation until pressure falls to zero. TOOH w/ packer.
18. Remove frac valve. Release packer and TOOH, laying down frac string. Lay down packer.
19. SI well for 3 hours after stimulation to allow gel to break then flow-back naturally as long as possible. When either flow has ceased or returns have reached a level allowing re-entry of the wellbore, TIH with 2-3/8" tubing with notched collar and tag sand plug.
20. CO to plug @ \pm 4875'. If RBP was necessary in step 13, PU retrieving head and TIH. Release RBP @ 4875' and TOOH.
21. TIH with 2-3/8" tubing with notched collar and CO to PBTD of 5260'. PU above the Mesaverde perforations and flow the well naturally, making short trips for clean up when necessary. Pitot gauge Mesaverde after clean up.
22. When returns have diminished (both sand and water), TOOH.
23. PU retrieving head and TIH. Release RBP set @ 5260' and TOOH.
24. TIH w/ 2-3/8" tubing and CO to PBTD of 5390'. When water rates and sand production have diminished, TOOH.
25. RU wireline company. Run after - frac GR. RD wireline company.
26. TIH with one joint of 2-3/8" tubing w/ expendable check, an F-nipple, then the remaining 2-3/8" tubing. CO to PBTD (5390'). Land tubing at 5280'.
27. ND BOP's, NU WH. Pump off expendable check. Obtain final pitot. RDMO. Return well to production.

Approval:

Drilling Superintendent

Contacts:

Engineering - Mary Ellen Lutey

Office - (599-4052)

Home - (325-9387)

Frac Consultant - Mark Byars

Pager - (327-8470)

Mobile - (320-0349)

Home - (327-0096)

or Mike Martinez

Pager - (599-7429)

Mobile - (860-7518)

Home - (326-4861)