

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
799' FSL, 1780' FEL, Sec.16, T-31-N, R-11-W, NMPM, San Juan County

RECEIVED
FEB 23 1996

OIL CON. DIV.
DIST. 3

API # (assigned by OCD)

30-045-23575

5. Lease Number

6. State Oil&Gas Lease #
B-11017-47

7. Lease Name/Unit Name

Brookhaven Com B

8. Well No.

3A

9. Pool Name or Wildcat
Blanco Mesaverde

10. Elevation: 5983 GR

Type of Submission

Type of Action

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

13. Describe Proposed or Completed Operations

2-14-96 MIRU. ND WH. NU BOP. TIH w/7" csg scraper to 4 1/2" lnr top @ 2820'. TOOH. TIH w/4 1/2" csg scraper to 5302'. Blow well clean. TOOH. TIH w/CIBP, set @ 4615'. Load hole w/1% Kcl wtr. PT csg & CIBP to 3000 psi/15 min, OK. TIH, blow well & CO.

2-15-96 Spot 500 gal 15% Hcl across perf interval. TOOH. Perf Cliff House/Menefee w/1 SPF @ 4213, 4223, 4231, 4240, 4257, 4266, 4272, 4288, 4308, 4322, 4337, 4347, 4368, 4379, 4398, 4410, 4418, 4431, 4440, 4454, 4481, 4509, 4521, 4524, 4565, 4575' w/23 holes total. Frac Cliff House/Menefee w/128,000# 20/40 Brady sd, 30,000# 20/40 Super DC sd, 1643 bbl 35# x-link gel, 352,000 SCF N2. CO after frac.

2-16/17-96 Blow well & CO.

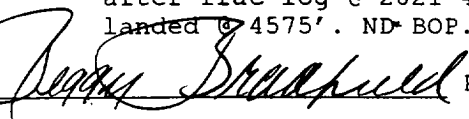
2-18-96 Blow well & CO. TOOH. TIH w/RBP & pkr; set RBP @ 4464', set pkr @ 4358'. Swab well.

2-19-96 Swab well. TOOH w/pkr. TIH w/retrieving tool, latch RBP, TOOH to 4358'. Reset RBP @ 4358'. Blow well clean. Latch RBP, TOOH. TIH w/pkr, set @ 4465'. Swab well.

2-20-96 Swab well. TOOH w/pkr. TIH w/RBP, set @ 4280'. Blow well & CO. Latch RBP, reset @ 4250'. Blow well & CO.

2-21-96 Latch RBP @ 4250', reset @ 4225'. Blow well & CO. Release RBP, TOOH. RU, run after frac log @ 2821-4615', RD. TIH w/145 jts 2 3/8" 4.7# J-55 EUE 8RD tbq, landed @ 4575'. ND BOP. NU WH. RD. Rig released.

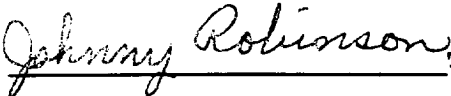
SIGNATURE



Regulatory Administrator February 22, 1996

(This space for State Use)

Approved by



Title DEPUTY OIL & GAS INSPECTOR, DIST. #3 Date FEB 23 1996

State of New Mexico
Energy, Minerals and Natural Resources Department
Oil Conservation Division

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Blanco Mesaverde

10. Elevation: 5983 GR

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 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 -Brookhaven Com B #3A

Location: SE/4 799' FSL, 1780' FEL, Unit O, Section 16, T31N, R11W,
Lat. 36.893372, Long. 107.992889 by TDG
San Juan County, New

Field: Blanco Mesaverde

Elevation: 5983' GL
KB: 10'

TD: 5318'
PBTD: 5302'

Completed: 10-15-79

Spud Date: 07-17-79

DP No: 48931A

Prop. No: 012582000

Fed. No: E-11017-31

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"	36# KS	223'	260 cu. ft.	to surface
8 3/4"	7"	20# KS	2983'	491 cu. ft.	1200' (TS)
6 1/4"	4 1/2" Liner	10.5# KS	2821'-5318'	4313 cu. ft.	Reverse out 1 bbls cmt

Tubing Record: 2 3/8" 4.7 # J-55 tubing set at 5235'. Seating Nipple @ 5203'.

Formation Tops:

Ojo Alamo:	E885'	Menefee:	4446'
Pictured Cliffs:	E2615'	Point Lookout:	4846'
Cliff House:	4211'		

Logging Record: CBL (from 5050' to 3900'), Temperature Survey

Stimulation: Sand water fractured Point Lookout 4865'-5230' with 186,000 gallons of water and 93,000# of sand.

Sand water fractured Menefee 4641'-4768' with 56,000 gallons of water and 28,000# of sand.

Workover History:

None.

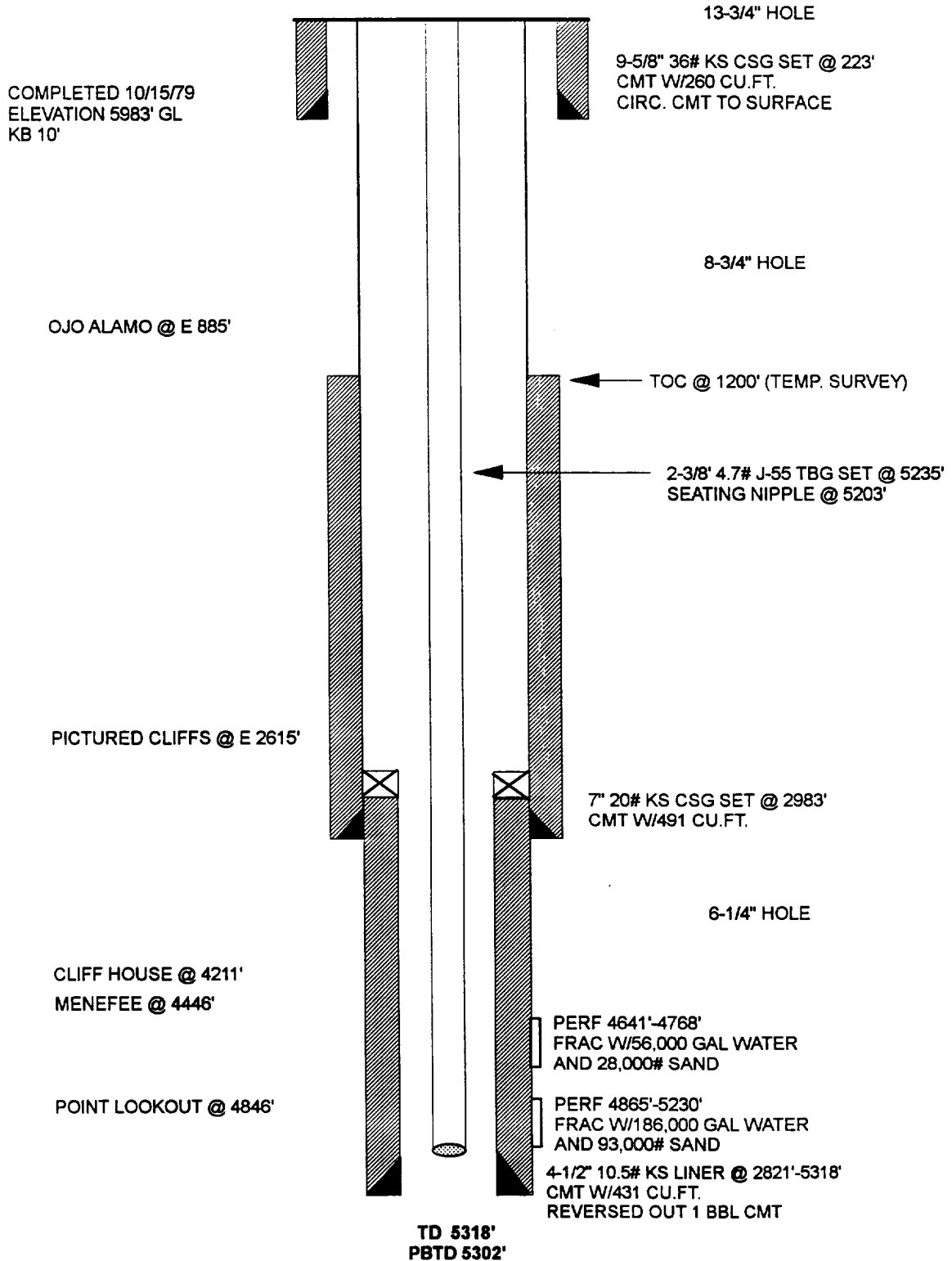
BROOKHAVEN COM B #3A

BLANCO MESAVERDE

AS OF 7/20/95

799' FSL, 1780' FEL

UNIT O SEC 16, T31N, R11W, SAN JUAN COUNTY, NM



Brookhaven Com B #3A - Mesaverde
Cliffhouse and Menefee Payadd
Lat-Long by TDG: 36.893372 - 107.992889
SE/4 Section 16, T31N-R11W
August 24, 1995

1. Hold safety meeting. MIRU. Comply with all MOI, BLM and NMOC 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 5235'. Replace bad tubing as necessary.
3. PU 7" (20#) casing scraper, TIH and run casing scraper to 2820'. TOOH.
4. TIH with 2-3/8" tubing, 4-1/2" (10.5#) casing scraper and 3-7/8" bit. CO to PBTD of 5302'. TOOH.
5. TIH w/ 4-1/2" CIBP and set CIBP @ 4615'. Load hole w/ 1% KCL water and pressure test to 1000 psi. Spot Menefee interval ($\pm 4475'$ - $\pm 4600'$) w/ 100 gallons of inhibited 15% HCL acid. TOOH.
6. RU wireline and run CBL-GR-CCL from $\pm 4610'$ to TOC in 7" casing (run CBL to find TOC in liner and 7" casing) under 1000 psi surface pressure. Run CNL from 4610' to 4100'. Send copy of logs to engineering and perforation intervals will be provided. TIH w/ 7" fullbore packer and two joints of 3-1/2" N-80 frac string. Set packer and pressure test casing and CIBP to 3450 psi. Release packer and TOOH standing back frac string.
7. Perforate the Menefee interval ($\pm 4475'$ - $\pm 4600'$) top down using 3-1/8" HSC guns with 12 gram charges and 0.31" diameter holes. (Intervals will be provided after reviewing logs.) Inspect guns to ensure all perforations fired. RD wireline.
8. TIH w/ 7" fullbore packer and two joints of 3-1/2" N-80 frac string. Set packer.
9. **Maximum allowable treating pressure is 3450 psi during acid job.** Pump 1500 gallons of 15% HCL acid @ maximum 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.
10. RU wireline, run 4-1/2" junk basket and knock balls off of perforations.
11. TIH w/ 7" fullbore packer and two joints of 3-1/2" N-80 frac string. Set packer.
12. **Hold safety meeting. Maximum allowable surface treating pressure is 3450 psi.**
13. Pressure test surface lines to 4450 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.
14. Release packer and TOOH standing back frac string. Check and inspect packer. RU wireline and set a 4-1/2" RBP @ $\pm 4450'$. Load hole w/ 1% KCl water and pressure test to 3450. Dump sand on top of RBP w/ dump bailer.
15. Perforate Cliffhouse interval ($\pm 4200'$ - $\pm 4435'$) 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.

Brookhaven Com B #3 A
Mesaverde Payadd
August 24, 1995

16. TIH w/ 7" fullbore packer and two joints of 3-1/2" N-80 frac string. Set packer.
17. **Maximum allowable treating pressure is 3450 psi during acid job.** Pump 1500 gallons of 15% HCL acid @ maximum 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.
18. RU wireline, retrieve balls w/ 4-1/2" junk basket and report number of hits.
19. TIH w/ 7" fullbore packer and two joints of 3-1/2" N-80 frac string. Set packer.
20. **Hold safety meeting. Maximum allowable surface treating pressure is 3450 psi.**
21. Pressure test surface lines to 4450 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.
22. Release packer and TOOH laying down frac string.
23. TIH w/ retrieving head and CO to RBP @ \pm 4450' until sand production is minimal. Obtain pitot gauge for Cliffhouse interval. Release RBP @ 4450' and TOOH.
24. TIH w/ 3-7/8" bit and drill up CIBP set @ 4615'. CO to PBTD (5302'). 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.
25. When sand has diminished, TOOH.
26. RU wireline company. Run After Frac GR from 5230' to top of tracer activity. RD wireline.
27. 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 (\pm 5302'). Land tubing near bottom perforation (5230').
28. ND BOP's, NU WH. Pump off expendable check. Obtain final pitot. RD and MOL. Return well to production.

Approval:

Drilling Superintendent

Approval:

Gerald P. Fiala 9-28-95
Northwest Basin Team Leader