

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  
1720' FSL, 1775' FEL, Sec. 17, T-30-N, R-10-W, NMPM

5. Lease Number  
SF-077764  
6. If Indian, All. or  
Tribe Name  
7. Unit Agreement Name  
8. Well Name & Number  
Schumacher #9A  
9. API Well No.  
30-045-26600  
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

Type of Action

<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input 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

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

RECEIVED  
DEC 15 1995  
OIL CON. DIV.  
DIST. 3

RECEIVED  
OIL CON. DIV.  
DIST. 3  
DEC 15 1995  
PM 12:39

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

Signed [Signature] (MEL5) Title Regulatory Administrator Date 12/4/95

(This space for Federal or State Office use)

APPROVED BY \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

CONDITION OF APPROVAL, if any:

APPROVED

DEC 06 1995

DISTRICT MANAGER

NMOCD

**Pertinent Data Sheet - Shumacher #9A**

**Location:** 1720' FSL, 1775' FEL, Unit J, Section 17, T30N, R10W  
Lat. 36.809692 Long. 107.904068 by TDG  
San Juan County, New Mexico

**Field:** Blanco Mesaverde

**Elevation:** 6452' GL

**TD:** 5774'

**PBTD:** 5754'

**Completed:** 01-06-86

**Spud Date:** 12-16-85

**DP No:** 54452A

**Prop. No:** 012588102

**Fed. No:** SF-077764

**Casing/Liner Record:**

<u>Hole Size</u>	<u>Csg Size</u>	<u>Wt. &amp; Grade</u>	<u>Depth Set</u>	<u>Cement</u>	<u>Top/Cement</u>
12 1/4"	9 5/8"	32.3# H-40	218'	135 sxs	To Surface
8 3/4"	7"	23# J-55	3404'	315 sxs	TOC @700' (TS)
6 1/4"	4 1/2"	10.5# K-55 liner	3262'-5774'	328 sxs	To Liner Top
		Float Collar	5763'		
		Marker Joint	4640'		

**Tubing Record:**

<u>Tbg Size</u>	<u>Wt. &amp; Grade</u>	<u>Depth Set</u>	
2 3/8"	4.7# J-55	5626'	SN @ 5593'

**Formation Tops:**

Ojo Alamo:	E 1650'	Chacra:	4020'
Kirtland:	E 1810'	Mesaverde:	4618'
Fruitland:	2685'	Menefee:	4800'
Pictured Cliffs:	3045'	Point Lookout:	5292'
Lewis:	3200'		

**Logging Record:** SDSNL, IND, GR, Temp. Survey

**Stimulation:** Sand water fractured Lower Point Lookout interval between 5452' and 5640' with 36,000# of sand and 81,300 gallons of water.

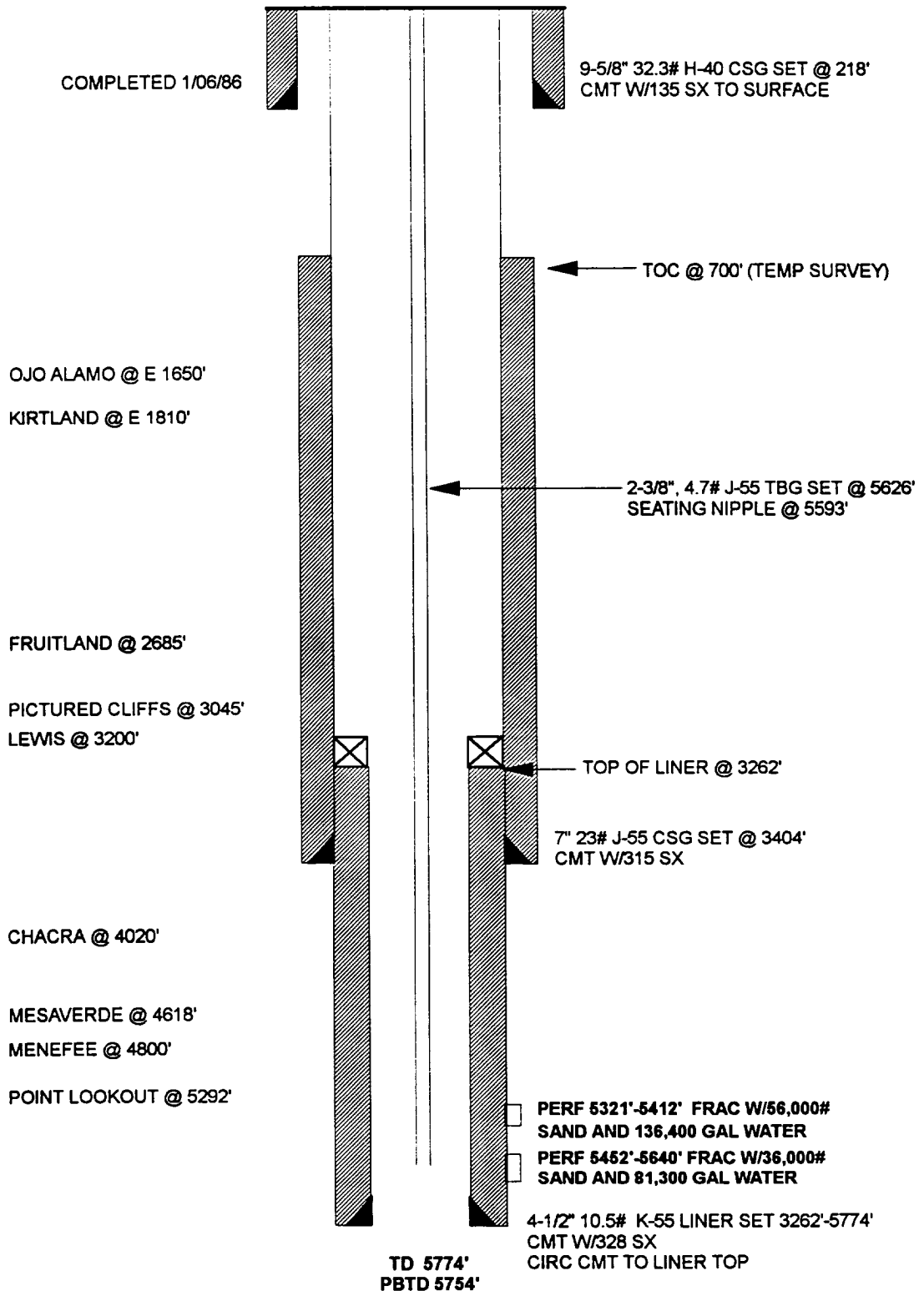
Sand water fractured Point Lookout interval between 5321' and 5412' with 56,000# of sand and 136,400 gallons of water.

# SCHUMACHER #9A

BLANCO MESAVERDE

AS OF 7/14/89

UNIT J, SEC 17, T30N, R10W, SAN JUAN COUNTY, NM



**Schumacher #9A - Mesaverde**  
Cliffhouse and Menefee Payadd  
Lat-Long by TDG: 36.809692 - 107.904068  
SE/4 Section 17, T30N-R10W  
August 24, 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 5626'. Replace bad tubing as necessary.
3. PU 7" (23#) casing scraper, TIH and run casing scraper to 3260'. TOOH.
4. TIH with 2-3/8" tubing, 4-1/2" (10.5#) casing scraper and 3-7/8" bit. CO to PBTD of 5754'. TOOH.
5. TIH w/ 4-1/2" CIBP and set CIBP @ 5295'. Load hole w/ 1% KCL water and pressure test to 1000 psi. Spot Menefee interval ( $\pm 4900'$  -  $\pm 5200'$ ) w/ 270 gallons of inhibited 15% HCL acid. TOOH.
6. RU wireline and run CBL-GR-CCL from  $\pm 5295'$  to TOC in 7" casing (run CBL to find TOC in liner and 7" casing) under 1000 psi surface pressure. Run CNL from 5295' to 4480'. 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 ( $\pm 4900'$  -  $\pm 5200'$ ) 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 @  $\pm 4820'$ . Load hole w/ 1% KCl water and pressure test to 3450. Dump sand on top of RBP w/ dump bailer.
15. Perforate Cliffhouse interval ( $\pm 4500'$  -  $\pm 4790'$ ) 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.

Schumacher #9A  
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 @  $\pm$  4820' until sand production is minimal. Obtain pitot gauge for Cliffhouse interval. Release RBP @ 4820' and TOOH.
24. TIH w/ 3-7/8" bit and drill up CIBP set @ 5295'. CO to PBTD (5754'). 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 5640' 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 ( $\pm$  5754'). Land tubing near bottom perforation (5640').
28. ND BOP's, NU WH. Pump off expendable check. Obtain final pitot. RD and MOL. Return well to production.

Approval:

  
Drilling Superintendent

Approval:

  
Northwest Basin Team Leader