

2  
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  
890'FSL, 1650'FWL, 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 #9  
9. API Well No.  
30-045-09438  
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  
☐ 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 to the Mesaverde formation of the subject well according to the attached procedure and wellbore diagram.

RECEIVED  
MAR 27 1995  
OIL & GAS  
DEPT

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

Signed [Signature] (LWD5) Title Regulatory Affairs Date 3/13/95

(This space for Federal or State Office use)

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

CONDITION OF APPROVAL, if any:

Date **APPROVED**

NMOCD

MAR 20 1995

[Signature]  
DISTRICT MANAGER

# SCHUMACHER #9

AS OF 10/1/94

BLANCO MESAVERDE

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

COMPLETED 5/27/53  
SIDETRACKED 10/6/85

9-5/8" 25.4# SW CSG SET @ 174'  
CMT W/ 125 SX  
CIRC CMT TO SURFACE

SQ @ 1604' W/150 SX CMT

2-3/8", 4.7# J-55 TBG SET @ 5602'  
SEATING NIPPLE @ 5568'

PICTURED CLIFFS @ 2927'

TOC @ 3130' (TEMP SURVEY)

TOC @ 3700' (TEMP SURVEY)

CLIFF HOUSE @ 4497'  
MENEFEER @ 4724'

7" 23# J-55 CSG SET @ 5031'  
CMT W/300 SX

POINT LOOKOUT @ 5204'

PERF 5212'-5324' FRAC W/42,500#  
SAND AND 94,870 GAL WATER  
PERF 5344'-5634' FRAC W/77,000#  
SAND AND 105,000 GAL WATER

4-1/2" 10.5# K-55 LINER SET @ 5722'  
CMT W/150 SX

TD 5723'  
PBD 5711'

**Pertinent Data Sheet - Schumacher #9**

**Location:** 890' FSL, 1650' FWL, Unit N, Section 17, T30N, R10W, San Juan County, New Mexico

**Field:** Blanco Mesaverde

**Elevation:** 6381' GL

**TD:** 5723'

**PBTD:** 5711'

**Spud:** 05-08-53

**Completed:** 05-27-53

**Prop #:** 012588100

**DP #:** 48507A

**Sidetrack:** 10-06-85

**Casing Record:**

<u>Hole Size</u>	<u>Csq Size</u>	<u>Wt. &amp; Grade</u>	<u>Depth Set</u>	<u>Cement</u>	<u>Top/Cement</u>
12 1/4"	9 5/8"	25.4# SW	174'	125 cu ft	Surface/Circ
8 3/4"	7"	23.0# J-55	5031'	300 cu ft	TOC @ 3130' TS
6 1/4"	4 1/2"	10.5# K-55	5722'	261 cu ft	TOC @ 3700' TS

**Tubing Record:**

<u>Tbg Size</u>	<u>Wt. &amp; Grade</u>	<u>Depth Set</u>	
2 3/8"	4.7# J-55	5602'	SN @ 5568'

**Formation Tops:**

Pictured Cliffs:	2927'	Menefee:	4724'
Cliffhouse:	4497'	Pt. Lookout:	5204'

**Logging Record:** TS, ES, GRL, IND

**Stimulation:**

Sqz'd: Squeezed @ 1604' w/150 sxs cement.

Frac'd: Shot well with 570 qts S.N.G. from 5082' to 5332'.

**Workover History:**

10/85: Perf'd 5212'-5324', Frac'd w/42,500# 20/40 sand & 105,000 gal slickwater  
Perf'd 5344'-5634', Frac'd w/77,000# 20/40 sand & 94,870 gal slickwater

**Transporter:** EPNG

**Schumacher #9 - Mesaverde**  
**Menefee & Cliffhouse Payadd**  
Lat-Long by TDG: 36.807083 - 107.910080  
Section 17, T30N-R10W  
February 23, 1995  
**REVISED**

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) 1% KCl water.
2. Obtain and record all wellhead pressures. ND WH, NU BOP. TOOH with 2-3/8" tubing set at 5602'. Replace bad tubing as needed.
3. RU wireline and PU 4-1/2" (10.5#) gauge ring. Run gauge ring to 5200'.
4. PU 4-1/2" RBP and wireline set RBP @  $\pm$  5175'. Dump sand on top of RBP with dump bailer.
5. TIH w/ 2-3/8" tubing and roll the hole with 1% KCL water. Spot Menefee perforations w/ 8 bbls of inhibited 15% HCL acid.
6. RU wireline and run CBL-GR-CCL from  $\pm$  5165' to surface. Run PND from  $\pm$  5165' to  $\pm$  4165'. Send copy of PND to engineering and perforation intervals will be provided.
7. Load hole w/ water and pressure test casing and BP to 3800 psi.
8. Perforate Menefee interval **top down** (  $\pm$  4730' -  $\pm$  5165' ) determined from PND log using 12 gram charges, 0.193" diameter holes (through two strings) and 3-1/8" HSC guns. Inspect guns to ensure all perforations fired.
9. TIH w/ 4-1/2" fullbore packer and two joints of 2-7/8" N-80 frac string.
10. Balloff Menefee perforations with 1500 gallons of 15% HCL acid and RCN balls (2 balls per perforation hole). Maximum allowable static pressure is 3800 psi. TOOH. RU wireline and retrieve balls w/ 4-1/2" junk basket.
11. TIH w/ 4-1/2" fullbore packer and two joints of 2-7/8" N-80 frac string.
12. RU frac company. Hold safety meeting. Test surface lines to 4800 psi. **(Maximum allowable treating pressure is 3800 psi)**. Fracture Menefee according to attached procedure. Shut in well immediately after completion of the stimulation until pressure falls to zero.
13. Wait a minimum of one hour, tag sand plug w/ wireline. If sand plug is below anticipated Cliffhouse perfs and above existing perfs, pressure test to 3800 psi. If sand is below existing perfs, release packer and TOOH. Wireline set a 4-1/2" RBP @  $\pm$  4724'. TIH w/ 4-1/2" fullbore packer and pressure test RBP to 3800 psi. TOOH. Dump sand on top of RBP w/ dump bailer.
14. TIH w/ 2-3/8" tubing and spot Cliffhouse perforations w/ 4.5 bbls of inhibited 15% HCL acid. TOOH.
15. Perforate the Cliffhouse interval **top down** (  $\pm$  4497 -  $\pm$  4714' ) using 12 gram charges, .193" diameter holes and 3-1/8" HSC guns. (Perforations will be selected after reviewing PND log.) Inspect guns to ensure all perforations fired.
16. TIH w/ 4-1/2" fullbore packer and two 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 static pressure is 3800 psi. TOOH. RU wireline and retrieve balls w/ 4-1/2" junk basket.

Schumacher #9  
Menefee & Cliffhouse Payadd  
February 16, 1995

17. TIH w/ 4-1/2" fullbore packer and two joints of 2-7/8" N-80 frac string.
18. RU frac company. Hold safety meeting. Test surface lines to 4800 psi. (**Maximum allowable treating pressure is 3800 psi.**) Fracture Cliffhouse according to attached procedure. Shut in well immediately after completion of the stimulation until pressure falls to zero. Release packer and TOOH.
19. CO to plug @  $\pm 4724'$ . Obtain pitot gauge for Cliffhouse interval. TIH w/ retrieving head and release RBP @  $\pm 4724'$  as necessary. TOOH.
20. TIH w/ retrieving head and CO to RBP @  $\pm 5175'$ . Release RBP @  $\pm 5175'$ . Obtain pitot gauge for Cliffhouse and Menefee intervals. TOOH.
21. TIH with 2-3/8" tubing with notched collar and CO to PBTD of 5711'. 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.
22. When returns have diminished (both sand and water), TOOH.
23. 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" tubing. CO to PBTD (5711'). Land tubing at a minimum of 30' above PBTD.
24. ND BOP's, NU WH. Pump off expendable check. Obtain final pitot. RDMO. Return well to production.

Approval:

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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)