

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

Sundry Notices and Reports on Wells

<p>1. Type of Well GAS</p> <hr/> <p>2. Name of Operator <b>MERIDIAN OIL</b></p> <hr/> <p>3. Address &amp; Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700</p> <hr/> <p>4. Location of Well, Footage, Sec., T, R, M 1850'FSL, 1650'FWL, Sec.34, T-31-N, R-11-W, NMPM, San Juan County</p>	<p>API # (assigned by OCD) 30-045-10086</p> <p>5. Lease Number Fee</p> <p>6. State Oil&amp;Gas Lease #</p> <p>7. Lease Name/Unit Name Turner A</p> <p>8. Well No. 1</p> <p>9. Pool Name or Wildcat Aztec Pictured Cliffs/ Blanco Mesaverde</p> <p>10. Elevation:</p>
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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 -		

13. Describe Proposed or Completed Operations

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

**RECEIVED**  
FEB 10 1995  
OIL CON. DIV.  
DIST. 3

SIGNATURE *Sam Bradford* (MEL5) Regulatory Affairs February 8, 1995

(This space for State Use)

Approved by *Johnny Robinson*

DEPUTY OIL & GAS INSPECTOR, DIST. #3

Date FEB 10 1995

**Pertinent Data Sheet - Turner A #1**

**Location:** 1850' FSL, 1650' FWL, Section 34, T31N, R11W, San Juan County, New Mexico

**Field:** Pictured Cliffs/Mesaverde

**Elevation:** 5647' GR

**TD:** 4670'

**PBTD:** 4619'

**Completed:** 3/22/57

**DP#:** 76145

**Casing 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>
15"	10 3/4"	32.75# S.W.	171'	150 sxs	Surface/Circ
9-7/8"	7"	26.4# J-55	4360'	300 sxs	TOC @ 1475' TS
5 1/2"	5 1/2"	15.5# J-55	4293' - 4655'	150 sxs	TOC @ 4293' TS

**Tubing Record:**

	<u>Tbg Size</u>	<u>Wt. &amp; Grade</u>	<u>Depth Set</u>
PC	1 1/4"		2230'
MV	2"	4.7# J-55	4573'

**Formation Tops:**

Ojo Alamo:	580'	Chacra:	3010'
Kirtland:	640'	Cliffhouse:	3728'
Fruitland:	1790'	Menefee:	3990'
Pictured Cliffs:	2182'	Point Lookout:	4488'
Huer. Bentonite:	2935'		

**Logging Record:** Temp Survey, ES,GRL, IND, ML

**Stimulation:**

**Point Lookout:**

Perf'd: 4448'-4458', 4487'-4500', 4517'-4532', 4540'-4553' & 4573'-4593' w/2 SPF

Frac'd: w/60,000# sand & 60,000 gals water. Flush w/10,000 gals water.

Injected 55 rubber balls twice

**Pictured Cliffs:**

Perf'd: 2186'-2202' & 2212'-2230' w/2 SPF

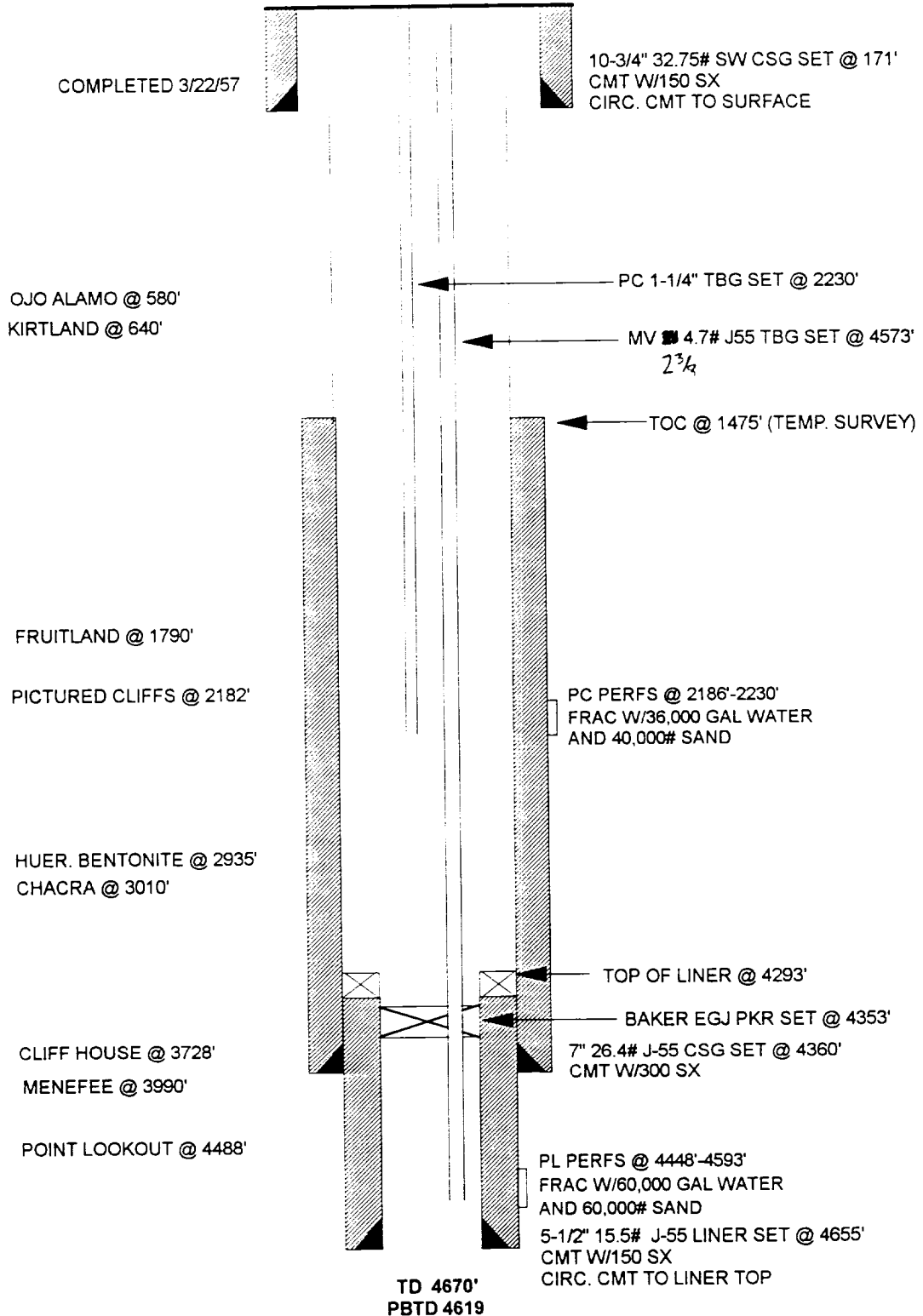
Frac'd: w/40,000# sand & 36,000 gal water. Flush w/5,000 gals water.

**Workover History:**

07-66: Install Intermitter, returned to production.

**Transporter:** EPNG

**TURNER A #1**  
**CURRENT**  
**PICTURED CLIFFS/MESAVERDE**  
UNIT K, SEC 34, T31N, R11W, SAN JUAN COUNTY, NM



**Turner A #1 - Mesaverde**  
Menefee Payadd / Bradenhead Flow Repair  
Lat-Long by TDG: 36.859650 - 107.981827  
Section 34, T31N-R11W  
January 24, 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 2230'. TOOH w/ 2-3/8" tubing set at 4573'. Replace bad 2-3/8" tubing as needed.
3. Pick up 2-3/8", 4.7# J-55 tubing, 4-3/4" bit and 5-1/2", 15.5# casing scraper and TIH. Make scraper run to 4440'. TOOH. Lay down casing scraper and bit.
4. RU wireline and run GSL-GR-CCL from  $\pm$  4440' to  $\pm$  3440'. Send copy of GSL to engineering and perforation intervals will be provided.
5. PU 5-1/2" RBP and wireline set RBP @ 4428'. Dump sand on top of RBP with dump bailer.
6. TIH w/ 2-3/8" tubing, load hole with fresh water and pressure test casing to 1000 psi for 15 minutes. If casing fails, contact engineering for changes in procedure. TOOH.
7. RU wireline and perforate the Menefee interval ( $\pm$  4000' - 4365') determined from GSL log using 0.30" diameter holes and 3-3/8" guns. Inspect guns to ensure all perforations fired.
8. PU 2-3/8" tubing and 5-1/2" packer and TIH. TIH to 4408 and set packer. Pressure test casing and BP to 3600 psi. Release packer and TOOH.
9. PU 2-3/8" tubing and 5-1/2" packer and TIH. TIH to 3850' and set 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 5000 psi. TIH w/ 2-3/8" tubing and knock balls off. TOOH.
11. SI well for 24 hours with an Amerada pressure bomb set at 4200'. Have BHP information sent to engineering within 24 hours.
12. TIH w/ 7" fullbore packer and 3-1/2" N-80 frac string. Set packer @  $\pm$  2500'.
13. RU frac company. Hold safety meeting. Test surface lines to 6000 psi. **Maximum surface treating pressure is 5000 psi.** Fracture Menefee according to attached procedure. Shut in well immediately after completion of the stimulation until pressure falls to zero. TOOH w/ packer.
14. If Cliffhouse interval was determined to be wet - Skip to step 21, otherwise, proceed with steps 15 through 20 as follows.
15. Wait a minimum of one hour, tag sand plug w/ wireline. If sand plug is below top perforation, PU 5-1/2" RBP and set at  $\pm$  3980'. Pressure test plug to 3600 psi.
16. Perforate the Cliffhouse interval ( $\pm$  3728 - 3980') using .30" diameter holes and 3-1/8" HSC guns. (Perforations will be selected after reviewing GSL log.) Inspect guns to ensure all perforations fired.
17. PU 2-3/8" tubing and 5-1/2" packer and TIH. TIH to  $\pm$  3970 and set packer. Pressure test casing and plug to 3600 psi. Release packer and TOOH to 3600' and reset packer.

18. Balloff Cliffhouse perforations with 1500 gallons of 15% HCL acid and RCN balls (2 balls per perforation hole). Maximum allowable treating pressure is 5000 psi. TIH w/ 2-3/8" tubing and knock balls off. TOOH.
19. TIH w/ 5-1/2" fullbore packer and 3-1/2" N-80 frac string. Set packer at 3600'.
20. RU frac company. Hold safety meeting. Test surface lines to 6000 psi. **Maximum surface treating pressure is 5000 psi.** Fracture Cliffhouse according to attached procedure. Shut in well immediately after completion of the stimulation until pressure falls to zero. TOOH w/ packer.
21. PU 7" RBP and set at  $\pm$  2400'. Pressure test RBP to 1000 psi. Dump sand on top of RBP w/ dump bailer.
22. TIH w/ 7" fullbore packer and 2-3/8" tubing and set packer @ 2000'. Squeeze Pictured Cliff perforations w/ 50 sks, class B cement w/ 2% CACL. WOC for 12 hours.
23. TIH w/ 3-1/2" bit and drill out cement. Pressure test casing to 750 psi.
24. CO to RBP @ 2400'. PU retrieving head and TIH. Release RBP @ 2400' and TOOH.
25. CO to plug @ 3980'. If RBP was necessary between stages, PU retrieving head and TIH. Release RBP @ 3980' and TOOH.
26. TIH with 2-3/8" tubing with notched collar and CO to PBTD of 4619'. 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.
27. When returns have diminished (both sand and water), TOOH.
28. RU wireline company. Run after - frac GR. RD wireline company.
29. 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 (4619'). Land tubing at  $\pm$  4300'.
30. ND BOP's, NU WH. Pump off expendable check. Obtain final pitot. RDMO. Return well to production.

Approval:

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Drilling Superintendent

Turner A #1  
Menefee Payadd / Bradenhead Flow Repair  
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January 24, 1995

**Contacts:**

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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)

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