

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 1670' FSL, 1580' FWL, Sec. 16, T-30-N, R-10-W, NMPM, San Juan County</p>	<p>API # (assigned by OCD) 30-045-26773</p> <p>5. Lease Number</p> <p>6. State Oil &amp; Gas Lease # B-10400-1</p> <p>7. Lease Name/Unit Name Atlantic D Com E</p> <p>8. Well No. 6R</p> <p>9. Pool Name or Wildcat Blanco Mesaverde</p> <p>10. Elevation: 6468 KB</p>
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Type of Submission

☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment

Type of Action

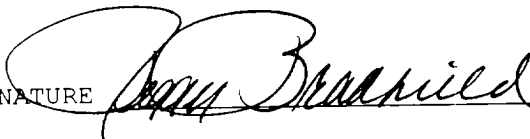
<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
<input type="checkbox"/> Casing Repair	<input type="checkbox"/> 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 - 6 1995

**OIL CON. DIV.**  
DIST. 3

SIGNATURE  (MEL5) 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 - Atlantic D Com E #6R**

**Location:** SW/4 1670' FSL, 1580' FWL, Unit KI, Section 16, T30N, R10W,  
Lat. 36.809830, Long. 107.892654 by TDG  
San Juan County, New Mexico

**Field:** Blanco Mesaverde

**Elevation:** 6468' KB  
**KB:** 13'

**TD:** 5786'  
**PBTD:** 5768'

**Completed:** 12-22-87

**Spud Date:** 11-06-87

**DP No:** 2676A

**Prop. No:** 071040600

**Fed. No:** E-193-A-5

**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# K-55	230'	100 SX	to surface
8 3/4"	7"	20# K-55	3404'	230 SX	1655' (TS)
6 1/4"	4 1/2" Liner	10.5# K-55	3223'-5786'	334 SX	Reverse out 20 bbls cmt

**Tubing Record:** 2 3/8" J-55 tubing set at 5618'. Seating Nipple @ 5585'

**Formation Tops:**

Ojo Alamo:	1717'	Cliffhouse:	4666'
Kirtland:	1821'	Menefee:	4852'
Pictured Cliffs:	3076'	Point Lookout:	5336'

**Logging Record:** DILL, SNL, CDL, Temp. Survey

**Stimulation:** Sand water fractured Menefee 4991'-5264' with 67,000 gallons of water and 42,000# of sand.

Sand water fractured Point Lookout 5321'-5620' with 158,250 gallons of water and 133,000# of sand.

**Workover History:**

None

# ATLANTIC D COM E #6R

BLANCO MESAVERDE

AS OF 7/20/95

1670' FSL, 1580' FWL

UNIT K SEC 16, T30N, R10W, SAN JUAN COUNTY, NM

COMPLETED 12/22/87  
ELEVATION 6468' GL  
KB 13'

12-1/4" HOLE

9-5/8" 32.3# H-40 CSG SET @ 230'  
CMT W/100 SX  
CIRC. CMT TO SURFACE

8-3/4" HOLE

2-3/8" 4.7# J-55 TBG SET @ 5618'  
SEATING NIPPLE @ 5585'

TOC @ 1655' (TEMP. SURVEY)

OJO ALAMO @ 1717'  
KIRTLAND @ 1821'

PICTURED CLIFFS @ 3076'

7" 20# K-55 CSG SET @ 3404'  
CMT W/230 SX

6-1/4" HOLE

CLIFF HOUSE @ 4666'  
MENESEE @ 4852'

POINT LOOKOUT @ 5336'

PERF 4991'-5264'  
FRAC W/67,000 GAL WATER  
AND 42,000# SAND

PERF 5321'-5620'  
FRAC W/158,250 GAL WATER  
AND 133,000# SAND

4-1/2" 10.5# K-55 LINER @ 3223'-5786'  
CMT W/334 SX  
REVERSE OUT 20 BBLs CMT

TD 5786'  
PBTD 5768'

**Atlantic D Com E #6R Mesaverde**  
Cliffhouse Payadd  
Lat-Long by TDG: 36.809830 - 107.892654  
SW/4 Section 16, T30N-R10W  
August 25, 1995

1. Hold safety meeting. MIRU. Comply with all MOI, BLM and NMOCD rules and regulations. Install 3 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 5618'. Replace bad tubing as necessary.
3. PU 7" (20#) casing scraper, TIH and run casing scraper to 3220'. TOOH.
4. TIH with 2-3/8" tubing, 4-1/2" (10.5#) casing scraper and 3-7/8" bit. CO to PBTD of 5768'. TOOH.
5. TIH w/ 4-1/2" CIBP and set CIBP @ 4965'. Load hole w/ 1% KCL water and pressure test to 1000 psi. Spot Cliffhouse interval ( $\pm 4650'$  -  $\pm 4950'$ ) w/ 215 gallons of inhibited 15% HCL acid. TOOH.
6. RU wireline and run CBL-GR-CCL from  $\pm 4960'$  to TOC in 4-1/2" casing (run CBL to find TOC in liner and 7" casing) under 1000 psi surface pressure. Run CNL from 4960' to 4500'. 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 3000 psi. Release packer and TOOH standing back frac string.
7. Perforate the Cliffhouse interval ( $\pm 4650'$  -  $\pm 4950'$ ) 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 3000 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 3000 psi.**
13. Pressure test surface lines to 4000 psi. (1000 psi over maximum treating pressure but less than the working pressure of the lines.) Fracture stimulate the Cliffhouse interval @ 45 BPM using a 70Q foam with 30# linear gel and 150m lbs of sand tagged w/ Irridium. (Final stimulation procedure will be attached after reviewing logs.) Do not over displace during flush. Shut in well immediately after completion of the stimulation and wait three hours for the gel to break.
14. Flow well back through a choke at a low enough rate so that sand is not flowing back.
15. Once pressure allows, release packer and TOOH standing back frac string. Check and inspect packer.

Atlantic D Com E #6R  
Mesaverde Payadd  
August 25, 1995

16. TIH w/ 3-7/8" bit and drill up CIBP set @ 4965'. CO to PBTD (5768'). 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, TOO H.
26. RU wireline company. Run After Frac GR from 5620' 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 ( $\pm$  5768'). Land tubing near bottom perforation (5620').
28. ND BOP's, NU WH. Pump off expendable check. Obtain final pitot. RD and MOL. Return well to production.

Approval:

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Drilling Superintendent

Approval:

*Bruce P. Fisher 9-28-95*  
Northwest Basin Team Leader

**Contacts:**

Engineer - Mary Ellen Lutey  
Office - (599-4052)  
Home - (325-9387)  
OR  
Todd Mushovic  
Office - (326-9584)  
Home - (324-0692)

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)