

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> <p>2. Name of Operator <b>BURLINGTON RESOURCES</b> OIL &amp; GAS COMPANY</p> <p>3. Address &amp; Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700</p> <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 # E-193-A-5</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:</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 - Cliffhouse sqz/tubing repair	

13. Describe Proposed or Completed Operations

It is intended to squeeze the Cliffhouse perforations, and repair the tubing in the subject well according to the attached procedure.



SIGNATURE Tammy Wirsatt Regulatory Administrator February 16, 2000

TLW

(This space for State Use)

ORIGINAL SIGNED BY CHARLIE T. PENTON

DEPUTY OIL & GAS INSPECTOR, DIST. #3

FEB 22 2000

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

**Atlantic D Com E #6R**  
**Mesaverde**  
**1670' FSL, 1580' FWL**  
**Unit K, Section 16, T-30-N, R-10-W**  
**Latitude / Longitude: 36° 48.58884' / 107° 53.55834'**  
**DPNO: 267601 MV**

***CAUTION: This well produces H2S.***

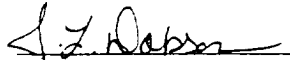
**Summary/Recommendation:**

Atlantic D Com E #6R was drilled and completed as a MV producer in 1987. A pumping unit was installed as a result of excessive water production from the Cliffhouse payadd performed in 1996. Since 1996 the well has been pulled 6 times, one pump failure and 5 holes in the tubing. During the workovers, the joints were replaced and the well was put back on production. In March 1999 the well was shut in due to another hole in the tubing. It is recommended to squeeze off the Cliffhouse perforations, replace the bottom 1000' of tubing, and run molded rod guides above the pump. Anticipated uplift is 80 Mcfd and 3 Bopd.

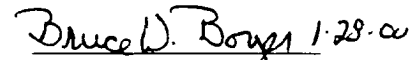
1. Comply with all NMOCD, BLM and Burlington safety and environmental regulations. Test rig anchors and build blow pit prior to moving in rig. **Notify BROG Regulatory (Peggy Bradfield 326-9727) and the appropriate Regulatory Agency prior to pumping any cement job. If an unplanned cement job is required, approval is required before the job can be pumped. If verbal approval is obtained, document approval in DIMS/WIMS.** Allow as much time as possible prior to pump time in case the Agency decides to witness the cement job.
2. Haul to location 35 joints (~1050'), 2-3/8", 4.7#/ft, J-55, EUE tubing, and 36 (~900'), 3/4", Type 54, molded scraper rods. MOL and RU workover rig. Strategically place H2S safety equipment around location. Refer to BR safety guidelines. Hold safety meeting on H2S safety. Obtain and record all wellhead pressures. NU relief line. Blow well down and kill with 2% KCL water as necessary.
3. RD horse's head. PU on polished rod and unseat pump. Kill well with 2% KCL water as necessary. TOOHH with 3/4" rods and insert pump. LD bottom 36 rods. Visually inspect rod and rod guide condition. Note results of inspection in DIMS/WIMS report. Send pump in to be redressed if necessary.
4. ND WH and NU BOP with stripping head. Test and record operation of BOP rams. Have wellhead and valves serviced as necessary. Test secondary seal and replace/install as necessary.
5. Mesaverde tubing, 2-3/8", 4.7 #/ft, J-55, EUE, is set at 5617'. TOOHH with tubing. Visually inspect tubing for corrosion. Check tubing for scale build up and notify Operations Engineer. LD bottom 34 joints of 2-3/8" production tubing. Send to yard for inspection and possible salvage.
6. **PU new 2-3/8" joints hauled to location and follow with stands pulled from well.** TIH with 3-7/8" bit, bit sub and watermelon mill for 4-1/2". 10.5# casing on 2-3/8" tubing. TIH and clean out with air/mist to a PBTD of 5762'. **NOTE: When using air/mist, minimum mist rate is 12 bph.** TOOHH and LD mill, bit sub and bit.
7. PU and TIH with 4-1/2" CIBP and packer on the 2-3/8" tubing string. Set CIBP at 4800'. PUH and set packer just above CIBP (closest perforation at 4749'). Pressure test CIBP to 1000 psi. Bleed off pressure and release packer. TOOHH.
8. TIH with 4-1/2" cement retainer on 2-3/8" tubing and set at ± 4480' (Top Cliffhouse perforation at 4582').
9. RU cement company. PU tubing to test position on the retainer. Pressure test tubing to 2500 psi for **15 minutes**. Set down on tubing to open check and establish an injection rate with water.
10. Squeeze Cliffhouse perforations below retainer to 1000 psi with 100 sx of neat Class B cement with 0.3% fluid loss followed by 100 sx of Class B cement with 3 pps gilsonite and 0.3% fluid loss. Displace cement with 17.3 Bbls of water (under displace by 1 Bbl.). Sting out of retainer and spot remaining cement on the cement retainer. Reverse circulate tubing clean. TOOHH with 2-3/8" tubing and cement retainer stinger. WOC for a minimum of 18 hours.

11. TIH with 3-7/8" bit, 3-1/8" drill collars (if necessary) and 2-3/8" tubing. Drill out cement retainer and cement. Pressure test squeeze to 500 psi for 15 minutes. If test is not successful, note leak off rate and contact Operations Engineer.
12. CO to CIBP set at 4800'. Drill CIBP and push to bottom, cleaning out with air/mist. **NOTE: When using air/mist, minimum mist rate is 12 bph.**
13. TIH with tail joint, perf sub, 1.78" seating nipple, wireline retrievable plug and then 1/2 of the 2-3/8" production tubing. Run a broach on sandline to insure the tubing is clear. TIH with remaining 2-3/8" tubing and then broach this tubing. Replace any bad joints. Land tubing at  $\pm 5647'$ .
14. ND BOP and NU WH. RU wireline and retrieve tubing plug.
15. PU and TIH with 8' sand screen, 2" x 1.25" x 10' x 1 1/4" RHAC-Z top hold down pump with H2S trim, 900' 3/4", Type 54, molded scraper rods hauled to location, and remaining 3/4" plain sucker rods with spray metal couplings and polished rod. **Replace any "T" type couplings with spray metal couplings.** Replace any bad rods. Space out pump. Fill tubing with water and pressure test to 1000 psi. Stroke pump to test pump action. RU horse's head, hang rods, run pump and check tag. RDMO.

Recommended:

  
Operations Engineer

Approved:

 1-28-a  
Drilling Superintendent

Operations Engineer: Jennifer L. Dobson

Office- (599-4026)

Home - (564-3244)

Pager - (324-2461)

JLD/klg