

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

<p>1. Type of Well GAS</p> <hr/> <p>2. Name of Operator <b>BURLINGTON RESOURCES</b> OIL &amp; GAS COMPANY</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 790' FNL, 1650' FEL, Sec.16, T-28-N, R-6-W, NMPM</p>	<p>5. Lease Number NMSF-079192</p> <p>6. If Indian, All. or Tribe Name</p> <p>7. Unit Agreement Name  San Juan 28-6 Unit</p> <p>8. Well Name &amp; Number San Juan 28-6 U #48</p> <p>9. API Well No. 30-039-07441</p> <p>10. Field and Pool Blanco Mesaverde</p> <p>11. County and State Rio Arriba Co, NM</p>
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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 - Bradenhead repair	

13. Describe Proposed or Completed Operations

It is intended to repair the bradenhead of the subject well according to the attached procedure.

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

Signed \_\_\_\_\_ (MW8) Title Regulatory Supervisor Date 9/25/02  
no

(This space for Federal or State Office use)  
APPROVED BY \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
CONDITION OF APPROVAL, if any:

**SAN JUAN 28-6 UNIT 48**

Mesaverde

790' FNL & 1650' FEL

Unit B, Sec. 16, T28N, R06W

Latitude / Longitude: N36° 39.99' / W107° 28.152'

AIN: 5186701

**9/20/2002 Bradenhead Repair Procedure**

**Summary/Recommendation:**

SAN JUAN 28-6 UNIT 48 was drilled and completed as a Mesaverde producer in 1955; the well has never been worked over. A bradenhead test performed 7/27/2001 showed intermediate casing annulus had 231psi and was bled down for 30 min; the intermediate casing annulus then built up to 58psi in 5 min. The bradenhead flowed nothing during the test. The Aztec NMOCD office has demanded remedial action be completed as soon as possible; the original deadline for remediation was **12/1/01**. It is recommended to squeeze the intermediate/longstring annulus to bring the TOC up into the 7-5/8" intermediate casing and pressure test the intermediate casing. No uplift is anticipated as a result of this workover. The 3-month average production is 187 MCFD with cumulative production of 7.5BCF; remaining reserves are 1.7BCF.

1. Comply with all BLM, and BROG regulations. Conduct daily safety meetings for all personnel on location. **Notify BROG Regulatory (Peggy Cole 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 the approval in DIMS.** Allow as much time as possible prior to pump time in case the Agency decides to witness the cement job.
2. MOL and RU workover rig. Obtain and record all wellhead pressures. NU relief line. Blow well down and kill with 2% KCl water if necessary. 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.
3. TOOH with 2-3/8" 4.7# J-55 and stand back – record condition of pipe and notify Operations Engineer/Senior Rig Supervisor. Use production string for workstring if conditions permit.
4. WL set CIBP at 5,278' (50' above Mesaverde perforations 5378-5918'). Load hole and pressure test 5-1/2" 15.5# J-55 casing and CIBP 500psi for 30 min – record leak-off if any. Run CBL from 5,278' to determine TOC between the 5-1/2" casing and 7-5/8" 26.4# J-55 intermediate casing. The HUERFANITO BENTONITE has been identified at 4,240'. (CURRENT TOC, 4,400', IS ESTIMATED FROM VOLUMETRIC CALCULATIONS. PICTURED CLIFFS FORMATION IS EXPOSED BELOW 7-5/8" INTERMEDIATE CASING.)
5. **If pressure test fails:** PU packer and TIH to locate holes. Locate holes before pumping any cement. Call Operations Engineer/Senior Rig Supervisor with hole location for contingency plan. Go to step 6.
6. **If pressure test holds:** Shoot two squeeze holes in 5-1/2" casing at 4,240' OR NEAREST TO TOC. TIH with cement retainer and 2-3/8" workstring; set cement retainer 100' above squeeze holes. Sting into cement retainer; establish and record injection rate and pressures. Open and monitor intermediate casing annulus for circulation; if well permits establish circulation with H2O to surface prior to squeeze. Squeeze from 4,240' – 3,516' with 262sx Cl B cement (310cuft includes 100% excess to 100' above 7-5/8" shoe)(7-5/8" shoe at 3,616'). Sting out of cement retainer and trip up hole 100'; monitor for reverse circulation, close pipe rams if necessary. WOC overnight.

7. TOOH, PU 4-3/4" mill. TIH and tag cement retainer. Drill up cement retainer and dress off cement to CIBP. P-test 5-1/2" casing 500psi for 30 min. Record leak-off if any. TOOH.

8. Run CBL from squeeze holes to TOC. Identify and record TOC, if the TOC is not 100' above the 7-5/8" shoe call Operations Engineer/Senior Rig Supervisor for contingency plan.

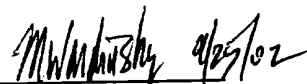
9. Load 5-1/2" casing with H2O. Load 7-5/8" by 5-1/2" annulus with H2O. P-test 7-5/8" by 5-1/2" annulus 500psi for 30min. Record leak-off if any.


10. IF PRESSURE TEST FAILS: ND BOP and ND C-section. NU BOP on B-section. Cut and recover 5-1/2" casing above 7-5/8" shoe and above TOC. TOOH and LD 5-1/2" casing. TIH w/ RBP-packer combo to search for holes in 7-5/8" casing. Isolate hole(s) in 7-5/8" casing and contact Operations Engineer/Senior Rig Supervisor. Prepare to squeeze holes.

11. IF PRESSURE TEST HOLDS: TIH w/ 2-3/8" workstring and 4-3/4" mill. Unload hole at 1,500' and again above CIBP. Mill CIBP with 12bph foam/mist. Chase plug to bottom, PBTD 5,928' and CO to PBTD with air/mist **using a minimum mist rate of 12 bph.**


12. TIH w/ 2-3/8" 4.7# J-55 EUE production string with an expendable check on bottom, seating nipple, one joint 2-3/8", 2' x 2-3/8" pup joint, then 1/2 of the 2-3/8" 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 bad joints as necessary.

13. Land tubing no lower than 5,878'. ND BOP and NU WH. Pump off expendable check. Obtain final pitot gauge up the tubing. Connect to casing and circulate air to assure that the expendable check has pumped off. **If well will not flow on its own, make swab run to seating nipple.** During cleanout operations the reservoir may be charged with air. As a result of excess oxygen levels that may be in the reservoir and/or wellbore, contact the Lease Operator to discuss the need for determining oxygen levels prior to returning the well to production. RD and MOL. Return well to production.

Recommended:  9/25/02  
Operations Engineer  
Mike Wardinsky

Approved:  9/25/02  
Drilling Manager  
Bruce Boyer

Sundry Required:  YES  NO

Approved:  9-25-02  
Regulatory  
Peggy Cole

Operations Engineer:	Mike Wardinsky	Office: 599-4045	Cell: 320-5113	
Lease Operator:	Wilfred Jaramillo		Cell: 320-0385	Pager: 324-7303
Specialist:	Garry Nelson		Cell: 320-2565	Pager: 326-8597
Foreman:	Ken Johnson	Office: 326-9819	Cell: 320-2567	Pager: 324-7676

MHW/dc