

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

RECEIVED**DEC 01 2008**Bureau of Land Management
Farmington Field Office**Sundry Notices and Reports on Wells**

1. **Type of Well**
GAS

5. **Lease Number**
NM-03999

6. **If Indian, All. or
Tribe Name**

7. **Unit Agreement Name**

2. **Name of Operator**

BURLINGTON

RESOURCES OIL & GAS COMPANY LP

8. **Well Name & Number**
Grambling 4

3. **Address & Phone No. of Operator**

PO Box 4289, Farmington, NM 87499 (505) 326-9700

9. **API Well No.**

30-045-13085

4. **Location of Well, Footage, Sec., T, R, M**

Unit C (NENW), 1150' FNL & 1500' FWL, Section 22, T29N, R9W, NMPM

10. **Field and Pool**
Pictured Cliff

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☐ Casing Repair☐ Altering Casing☐ Change of Plans☐ New Construction☐ Non-Routine Fracturing☐ Water Shut off☐ Conversion to Injection☒ Other - MIT**13. Describe Proposed or Completed Operations**

Burlington Resources wishes to perform a MIT on the 4 1/2" casing & squeeze any casing failures. The C-144 has been filed.

Attached are the procedures.

RCVD DEC 4 '08

OIL CONS. DIV.

DIST. 3

14. I hereby certify that the foregoing is true and correct.Signed Rhonda Rogers Title Regulatory Technician Date 12/1/08

(This space for Federal or State Office use)

APPROVED BY Original Signed: Stephen Mason Title _____Date DEC 03 2008

CONDITION OF APPROVAL, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOCD

Lat 36° 42' 52.798" N Long 107° 46' 8.4" W

Office 599-3432, Cell: 320-1254

ConocoPhillips
Grambling 4
Bradenhead Repair/Casing MIT

Lat 36° 42' 52.798" N Long 107° 46' 8.4" W

<u>Backup Engineer:</u>	Jesse Hawkins	Office 324-5177, Cell: 608-4599
<u>MSO:</u>	Russell Elliot	Cell: 320-2507
<u>Lead:</u>	Fred Haskill	Cell: 486-2373
<u>Area Foreman:</u>	Mike O'nan	Cell: 320-4998
<u>Regulatory:</u>	Tracy Monroe	Cell: 326-9752

PROCEDURE:

1. **NOTIFY THE AZTEC OCD 24 HOURS BEFORE WORK IS INITIATED and GIVE OCD AND BLM NOTICE 24 HOURS PRIOR TO SQUEEZE.** Hold pre-job safety meeting. Comply with all NMOCD, BLM, and COPC safety and environmental regulations. Check casing and bradenhead pressures and record them in Wellview. Test rig anchors prior to moving in rig.
2. RU blow lines from casing valves and begin blowing down casing pressure. Kill well with 2% KCl.
3. RIH w/ Gauge Ring per casing size. RIH w/ CBP for 2 7/8" 6.4# casing on wireline and set at +/- 2218' KB (40' above top perforation.) **DO NOT set CBP more than 50' above top perforation.** Load hole w/ 2% KCL water (casing volume = 14 bbl) and pressure test casing to 500 psi. Record pressure test for 30 min. on a 2 hr chart. 1000# SPRING MAX.
4. Rig up loggers to run CBL-VDL. Run CBL with 500 psi on casing (if casing is capable of holding pressure). Do a fast downlog to tag CBP at 2218'. Begin logging up to 100' above TOC. **Be sure the well is loaded with 2% KCL.** Report TOC to engineer and provide copies of log (including a fast downlog pass) to engineer as soon as possible. If MIT hold, disregard step 5.
5. If production casing failed MIT, MIRU Workover Rig. TIH w/ a working string and packer to isolate casing failure(s).
6. If MIT held, shoot squeeze holes at depth specified by engineer as determined from CBL. The content and volume of cement is determined per cement service recommendation.
7. Establish two rates and pressures into hole(s). Attempt to establish circulation to surface. Report results of pressure/rate test and circulation attempt to engineer.
8. Pump cement at rate and pressure as determined from above results. Monitor the casing pressure while pumping. Pressure on casing not to exceed 2000 psi. **(see chart on next page for burst rating of the casing)**

ConocoPhillips
Grambling 4
Bradenhead Repair/Casing MIT

Lat 36° 42' 52.798" N Long 107° 46' 8.4" W

9. Pump at least 100% excess cement or more as determined from results of tests in step 8. Once good cement is circulated to surface, close bradenhead and continue pumping to 100' above perforation. While displacing, monitor pumping pressure carefully to avoid shallow fracturing. Monitor pressure at bradenhead and do not exceed 500 psi. If any significant pressure increase is seen during displacement, open the bradenhead valve and continue the displacement.
10. MIRU with Coil Tubing. ND wellhead and NU BOPE. PU bit and TIH to tag TOC. Record tag depth. Drill out cement. Record depth of bottom of cement.
11. Load hole and pressure test to 500 psi for 30 minutes. Pressure test must be recorded on a 2 hour chart. Test the bradenhead using COP standard procedure. *1000# SPRING Max.*
12. If pressure test held, circulate hole clean and TIH w/ 2 7/8" 6.4# casing mill and mill out CBP at 2218'. Continue tripping in hole to cleanout to PBTD 2352'.
13. TOOH with Coil Tubing
14. Make swab runs as necessary to kick off the well.
15. Notify MSO that well is ready to be returned to production and RDMOL.

2 7/8" Casing						Design Calculations	
		Outside	Collapse	Body	Minimum	Collapse	Burst
Grade	Weight	Diameter	Resistance	Yield	Yield	Resistance	Resistance
	lb/ft	inches	psi	lbs	psi	psi	psi
N-80	6.4	2.875	11160	173241	80000	8374	10567
P-105	6.4	2.875	14010	227379	105000	10991	13869
H-40	6.4	2.875	5580	72481	40000		5283

ConocoPhillips

Grambling 4

Bradenhead Repair/Casing MIT

Lat 36° 42' 52.798" N Long 107° 46' 8.4" W

