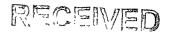
UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT



DEC 0 1 2008

pureas or carry management Farmington Field Office Sundry Notices and Reports on Wells دياتين 5. Lease Number NM-03999 Type of Well If Indian, All. or 6. Tribe Name GAS 7. **Unit Agreement Name** Name of Operator BURLINGTON RESCURCES OIL & GAS COMPANY LP Well Name & Number Address & Phone No. of Operator **Grambling 4** PO Box 4289, Farmington, NM 87499 (505) 326-9700 9. API Well No. 30-045-13085 Location of Well, Footage, Sec., T, R, M 10. Field and Pool Unit C (NENW), 1150' FNL & 1500' FWL, Section 22, T29N, R9W, NMPM **Pictured Cliff County and State** 11. San Juan Co., NM 12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA Type of Submission **Type of Action** X Notice of Intent Abandonment Change of Plans X Other - MIT New Construction Recompletion Subsequent Report Plugging Non-Routine Fracturing Casing Repair Water Shut off Final Abandonment Altering Casing Conversion to Injection 13. Describe Proposed or Completed Operations Burlington Resources wishes to perform a MIT on the 4 ½" casing & squeeze any casing failures. The C-144 has been filed. Attached are the procedures. RCUD DEC 4'08 ATT. COMS. DIV. DIST. 3 14. I hereby certify that the foregoing is true and correct. Rhonda Rogers Title Regulatory Technician Date 12/1/08. (This space for Federal or State Office use) Date <u>DEC 0 3 2003</u> APPROVED BY Original Signed: Stephen Mason _Title _ CONDITION OF APPROVAL, if any: Title 18 U.S.C. Section 1001, makes it a crune 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

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

Prepared By:

Paul Nguyen

Date:

10 / 29 / 08

Production Engineering Peer review/approved By: Catlain Richardson Date: 10 / 31 / 08

Scope of work: Perform MIT on production casing; run CBL; and squeeze cement behind

production casing to repair bradenhead.

Est. Rig Days: 5

WELL DATA:

API:

3004513085

Location:

1150' FNL & 1500' FWL, Unit C, Section 22- T 29 N - R 09 W

PBTD:

2352' **TD**: 2377'

Perforations: 2258'-2281' (PC)

Casing:	<u>OD</u>	Wt., Grade	Connection	ID/Drift (in)	<u>Depth</u>
Surface	8 5/8"	24.00#, J-55	ST&C	8.097/7.972	312'
Production	2 7/8"	6.4#, J-55	-	2.441/2.347	2371'

Well History/ Justification: This well was drilled and completed in 1962 as a stand alone PC producer. It was producing through 1 1/4" tubing open ended. In 1999, the well was cleanout and re-stimulated with N2 Foam due to low production rate. 1 1/4" tubing was also removed, and the well was produced through 2 7/8" casing. In 2007, the well was plugged up due to scale and sand. They had coil tubing clean up the well and the production increase as a result. Recently, there was presence of gas when pressure test was performed on the bradenhead. It is suspected that gas is migrating through the microanulus in the cement behind the production casing or a leak in the casing. TOC is at 1495' according to temperature survey and drilling report. It is recommended the casing should be pressure tested (MIT) and cement squeeze.

B2 Adapters are required on all wells other than pumping wells.

Artificial lift on well (type):

NONE

Est. Reservoir Pressure (psig): 500 (PC)

Well Failure Date: N/A

Earthen Pit Required: NO

Special Requirements:

Secondary seal for WH (if possible), steel pit for cement returns,

perforating service for possible squeeze, composite bridge plug

for 2 7/8" 6.4# casing. Coil Tubing if MIT held.

Production Engineer: Paul Nguyen

Office 599-3432, Cell: 320-1254

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

Backup Engineer:

Jesse Hawkins

Office 324-5177, Cell: 608-4599

MSO:

Russell Elliot

Cell: 320-2507

Lead:

Fred Haskill

Cell: 486-2373

Area Foreman: Mike O'nan

Cell: 320-4998

Regulartory: 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-iob 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% KCI.
- 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)

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 Calcula	tions
		Outside	Collapse	Body Yield	Minimum	Collapse	Burst
Grade	Weight	Diameter	Resistance	Strength	Yield	Resistance	Resistance
	lb/ft	inches	psi	lbs	psi	psi	psi
			Paragraph .				
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

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

