

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## Sundry Notices and Reports on Wells

1. Type of Well  
GAS

2. Name of Operator

**BURLINGTON  
RESOURCES**

OIL & GAS COMPANY

3. Address & Phone No. of Operator

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

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

1600' FNL, 800' FWL, Sec. 22, T-29-N, R-9-W, NMPM

5. Lease Number  
NMNM-03999

6. If Indian, All. or  
Tribe Name

7. Unit Agreement Name

8. Well Name & Number  
Grambling #3A

9. API Well No.  
30-045-21782

10. Field and Pool  
Blanco Mesaverde

11. County and State  
San Juan Co, NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission

Type of Action

☒ Notice of Intent

☐ Abandonment

☐ Change of Plans

☐ Subsequent Report

☐ Recompletion

☐ New Construction

☐ Final Abandonment

☐ Plugging Back

☐ Non-Routine Fracturing

☐ Casing Repair

☐ Water Shut off

☐ Altering Casing

☐ Conversion to Injection

☒ 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.

CTPO223251161

RECEIVED  
 2002 OCT - 1 AM 11:50  
 OFO FARMINGTON, NM

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

Signed Jim Lovato (JPW3) Title Regulatory Supervisor Date 10/1/02  
no

(This space for Federal or State Office use)

APPROVED BY /s/ Jim Lovato Title \_\_\_\_\_ Date OCT - 7  
CONDITION OF APPROVAL, if any:

**Grambling #3A**  
Mesaverde  
1600' FNL 800' FWL  
Unit E, Sec. 22, T29N, R09W  
Latitude / Longitude: 36° 42.85' / -107° 46.31'  
San Juan County, New Mexico  
AIN: 4792301  
**9/21/2002 Bradenhead Repair Procedure**

**Summary/Recommendation:**

The Grambling #3A was originally drilled in 1976 and was completed as a Mesaverde producer. A bradenhead test performed 07/22/2002 showed flow from the bradenhead. The Aztec NMOCD office has demanded remedial action be completed by 10/20/2002. The Operations Engineer recommends a CIBP be set over the Mesaverde formation, the cause of bradenhead pressure be identified, corrected and place the well back on production.

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. 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. The 2-3/8", 4.7#, J-55 & N-80 tubing is believed to be set at 4807'. Note: tubing pulled 11/91 for cleanout, but no tubing tally or tubing landing depth record exists. Release donut; pick up additional joints of tubing and tag bottom (record depth.) PBTD at +/- 4831'. TOOH with tubing (**strap out and contact operations engineer**). Visually inspect tubing for corrosion and replace any bad joints. Check tubing for scale and notify Operations Engineer.
4. TIH with 4-1/2" CIBP and set at approximately 3725' (top perf is at 3775'). TOOH. Load hole with 2% KCl water. Run GR-CBL to 200' above TOC on 7" casing (calculated TOC at 75% efficiency is at 931'). Send log into office for evaluation. Pressure test casing to 500 psi. Bleed off pressure. If pressure test fails, TIH with 7" packer to isolate leak. Contact superintendent and operations engineer for squeeze design.
5. Follow squeeze procedure as recommended from Step 3. TIH with 7" full bore packer and set 150' above holes. Pressure up tubing/casing annulus to 500 psi. Establish rate into holes with bradenhead valve open (max pressure 1000 psig). Mix and pump cement. Displace cement to packer. Close bradenhead valve and squeeze cement into holes. Maintain squeeze pressure and WOC 12 hours (overnight).
6. TOOH and LD packer. TIH with 6-1/4" bit and drill out cement. Cleanout to liner top at 2250'. TOOH. Pressure test casing to 500 psig. Test bradenhead valve for flow. Re-squeeze as necessary to hold pressure, or to stop bradenhead flow.
7. TIH with 3-7/8" bit and mill on 2-3/8" tubing to CIBP. Mill out CIBP with air/mist and chase plug to bottom. Clean out to PBTD (4831') with air/mist. TOOH with tubing and lay down bit and mill. **NOTE: When using air/mist, minimum mist rate is 12 bph. Try to maintain air rate at 1,400 cfm.**
8. TIH with an expendable check on bottom, seating nipple, one joint 2 3/8", one 2' x 2-3/8" pup, then 1/2 of the remaining tubing. Run a broach on sandline to ensure the tubing is clear. TIH w/ remaining tubing and then broach this tubing. Replace bad joints as necessary. Alternate blow and flow periods to check water and sand production rates.
9. Land tubing at approximately 4784'. ND BOP and NU WH. Pump off expendable check. Connect to casing and circulate air to assure that expendable check has pumped off. If well will not flow on its own, make swab run to SN. **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: Jay Paul McWilliams 9/26/02 Approved: Bruce D. Bonger 10-1-02  
Operations Engineer Drilling Manager

Jay Paul McWilliams: Office: 324-6146  
Cell: 320-2586

Sundry Required:

☒ YES ☐ NO

Approved: Regulatory 10-1-02  
Regulatory

Production Foreman	Darren Randall	320-2618 (Cell)	324-7335 (Pager)
Specialist	Jim Work	320-2447 (Cell)	324-7721 (Pager)
Lease Operator	Toby Hill	320-0290 (Cell)	327-8825 (Pager)

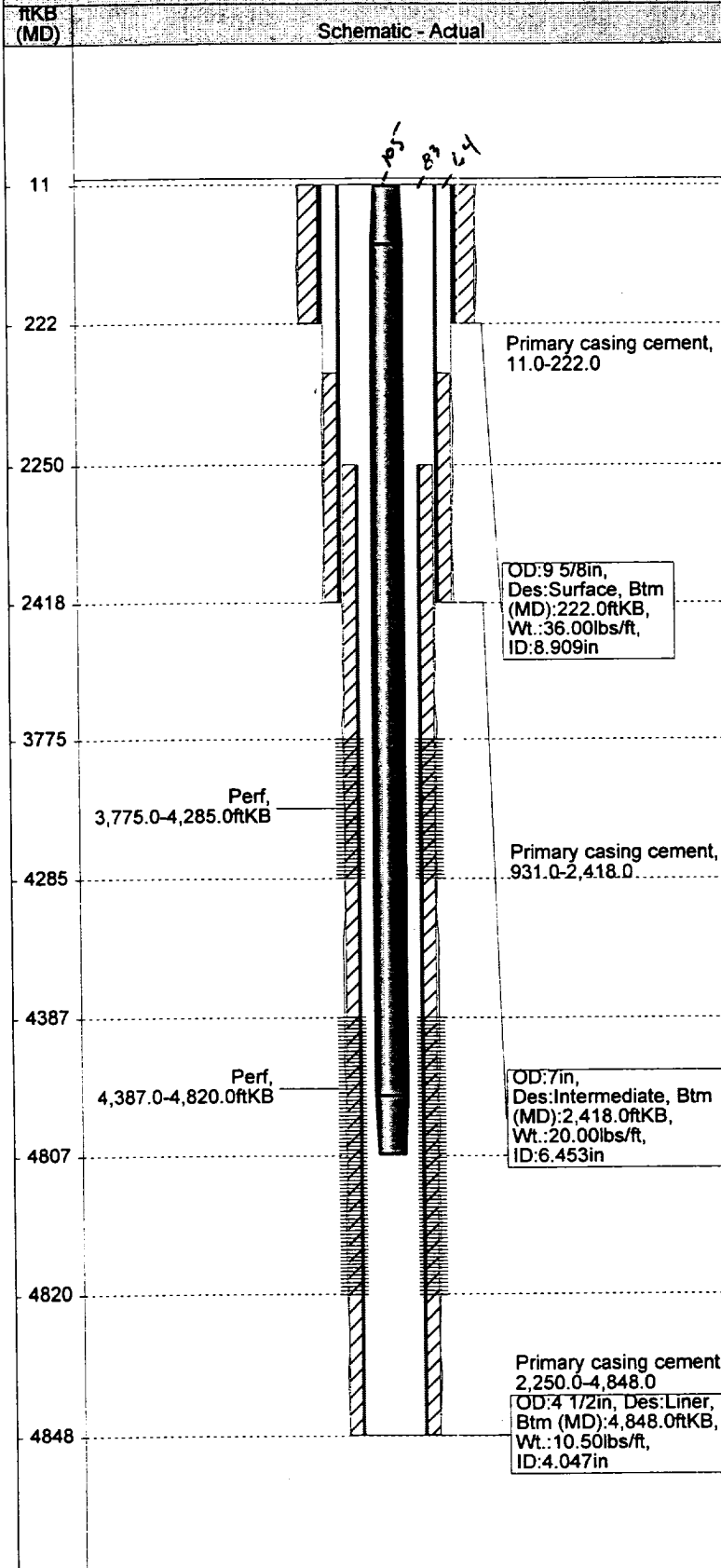
JPM/plh

# WellView - Schematic

Asset ID Number	4792300	API Number	3004521782	Operator	BURLINGTON RESOURCES O&G CO LP	County	SAN JUAN	State	NM
KB Elev (ft)	0.00	Ground Elev (ft)	5729.00	Plug Back	Total Depth (ftKB)	RigKB-Ground Distance (ft)			
					4,831.0	-5729.00			
Spud Date	9/24/76	Location	Sect: 022, Twp: 029N, Rg: 009W, Poly: E, NMPM		NS Dist. (ft)	800.0	NS Flag	EW Dist. (ft)	EW Flag
							FWL	1600.0	FNL
								Lat/Long Datum	Latitude (DMS)
									36° 42' 51.048" N

## Schematic

Main Hole: 11/1/91



## Group List

### Formations: PITS

Name	Top (ftKB)
Ojo Alamo	1,095.0
Kirtland	1,185.0
Fruitland Coal	1,855.0
Pictured Cliffs	2,178.0
Lewis	2,218.0
Menefee	3,570.0
Cliff House	3,833.0
Point Lookout	4,450.0

### Wellbore: Main Hole

SZ (in)	Top (ftKB)	Btm (ftKB)
12 1/4	11.0	222.0
8 3/4	222.0	2,418.0
6 1/4	2,418.0	4,848.0

### Casing Strings: Surface, 222.0

Item Desc	OD (in)	WT (lbs/ft)	ID (in)	Top (ftKB)	Len (ft)
Casing	9 5/8	36.00	8.909	11.0	211.00

### Casing Strings: Intermediate, 2,418.0

Item Desc	OD (in)	WT (lbs/ft)	ID (in)	Top (ftKB)	Len (ft)
Casing	7	20.00	6.453	11.0	2407.00

### Casing Strings: Liner, 4,848.0

Item Desc	OD (in)	WT (lbs/ft)	ID (in)	Top (ftKB)	Len (ft)
Liner	4 1/2	10.50	4.047	2,250.0	2598.00

### Intermediate, casing, <na>

Des	Comment	Top (ftKB)
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Primary casing cement		931.0
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Des	Comment	Top (ftKB)
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Surface, casing, <na>		11.0
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Des	Comment	Top (ftKB)
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Primary casing cement		11.0
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Des	Comment	Top (ftKB)
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Liner, casing, <na>		2,250.0
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Des	Comment	Top (ftKB)
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Primary casing cement		2,250.0
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### Tubing Strings: Tubing set at 4,807.0 on 11/1/91 00:00

Item Desc	OD (in)	WT (lbs/ft)	Grade	Len (ft)	Cum Len (ft)
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Tubing	2 3/8	4.70	N-80 & J-55	4796.00	4796.0
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Item Desc	OD (in)	WT (lbs/ft)	Grade	Len (ft)	Cum Len (ft)
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Tubing	2 3/8	4.70	N-80 & J-55	4796.00	4796.0
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### Perforations: At 3,775.0-4,285.0 on <na>

Zone	Top (ftKB)	Bottom (ftKB)	Comment
CH	3,775.0	4,285.0	3775', 3861', 80', 85', 90', 3908', 39', 45', 48', 53', 56', 4125', 43', 54', 98', 4242', 51', 60', 76', 85'

### Perforations: At 4,387.0-4,820.0 on <na>

Zone	Top (ftKB)	Bottom (ftKB)	Comment
PL	4,387.0	4,820.0	4387', 4457', 56', 65', 70', 74', 78', 80', 90', 95', 4500', 25', 42', 64', 4650', 72', 4734', 4764', 88', 4820' (1 spz)