

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED  
BLM

Sundry Notices and Reports on Wells

97 JUL -8 AM 8:10

1. Type of Well  
GAS

CONFIDENTIAL

2. Name of Operator

**BURLINGTON  
RESOURCES**

OIL &amp; GAS COMPANY

3. Address &amp; Phone No. of Operator

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

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

1540' FSL, 935' FEL, Sec. 8, T-31-N, R-10-W, NMPM

5. Lease Number  
SF-078604

6. If Indian, All. or  
Tribe Name

7. Unit Agreement Name

8. Well Name & Number  
Marcotte #2

9. API Well No.  
30-045-29466

10. Field and Pool  
Rico, Honaker Trail,  
Ismay, Desert Creek,  
Akah, Barker Creek,  
Alkali Gulch, Molas,  
Leadville; Wildcat

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 Back☐ Casing Repair☐ Altering Casing☒ Other -☒ Change of Plans☐ New Construction☐ Non-Routine Fracturing☐ Water Shut off☐ Conversion to Injection

## 13. Describe Proposed or Completed Operations

It is intended to change the cement on the 13 3/8" casing in the subject well from one stage to two stage according to the attached procedure. (Verbal approval to change plans from Errol Becher, BLM 7-3-97).

RECEIVED  
JUL 14 1997

OIL CON. DIV.  
DIST. 3

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

Signed Peggy Stachurski (KAS) Title Regulatory Administrator Date 7/7/97

(This space for Federal or State Office use)

APPROVED BY [Signature] Title P.L. Eng. Date 7-11-97

CONDITION OF APPROVAL, if any:

NMOCD

## Alternative Two-Stage Cement Job

If lost circulation is encountered during this drilling interval, a two-stage cement job will be substituted for the single stage cement job. The cement job will be conventional without the inner string adapter.

### Float Equipment

(Run in order listed below)

13-3/8"	Auto-fill Float Guide Shoe on bottom
13-3/8"	1 (40') joint 13-3/8", 68.00#, J-55, BT&C shoe joint
13-3/8"	Auto-fill Float Collar
13-3/8"	(793') 13-3/8", 68.00#, J-55, BT&C casing
13-3/8"	(52') 13-3/8", 54.50#, J-55 BT&C casing
13-38"	Stage collar +/- 100' above the Fruitland formation @ 2250'
13-3/8"	(2250) 13-3/8", 54.50#, J-55 BT&C casing

Centralizers:

- 23 bow type centralizers run every other joint above shoe.
- 2 Turbolizing type centralizers the base of the Ojo Alamo @ 1220'
- 4 bow type centralizers run every fourth joint to the surface casing

### Cementing Program

Type Slurry	Density (ppg)	Yield (cu.ft./sx)	Mix Water (gal/sx)	Compressive Strength 24 Hour (psi)	Thickening Time (hrs)
Stage 1 Tail	15.60	1.19	5.20	1300	4.00
Stage 2 Lead	12.50	1.77	9.06	350	4.00
Stage 2 Tail	15.60	1.19	5.20	1300	4.00

### Stage 1

#### Tail

Cement:	Standard Cement
	2% Calcium Chloride (Accelerator)
	0.25 lb/sx Flocele (Lost Circulation)
Sacks:	960 sxs
Volume:	203 bbls
Density:	15.60 ppg
Yield:	1.19 cu.ft./sx
Mix Water:	5.20 gal/sx

## Stage 2

### Lead

Cement: Halliburton Light Standard (60)  
0.25 lb/sx Flocele (Lost Circulation)  
3 lb/sx Gilsonite (Lost Circulation)  
Sacks: 1520 sxs  
Volume: 479 bbls  
Density: 12.50 lb/gal  
Yield: 1.77 cu.ft./sx  
Mix Water: 9.06 gal/sx

### Tail

Cement: Standard Cement  
2% Calcium Chloride (Accelerator)  
0.25 pps Flocele (Lost Circulation)  
Sacks: 110 sxs  
Volume: 22 bbls  
Density: 15.60 ppg  
Yield: 1.19 cu.ft./sx  
Mix Water: 5.20 gal/sx

Excess Cement: 80%  
Calculated Hole Volume: 2177.6 cu. ft.  
Total Volume Pumped: 3919.6 cu. ft.

### Capacities:

Between 13-3/8" casing and 17-1/2" hole: 0.6946 cu. ft./ft  
Capacity of 13-3/8", 54.50# casing: 0.1545 bbls/ft  
Capacity of 13-3/8", 68.00# casing: 0.1497 bbls/ft  
Capacity of 5", 19.50# drillpipe: 0.01776 bbls/ft

1. Drill 17-1/2" hole to 3135'.
2. Run in hole with 13-3/8" casing. Run float equipment as specified.
3. Rig up Halliburton and cement the first stage as follows:
  - Preflush: 20 bbls fresh water  
40 bbls Mud Flush  
20 bbls fresh water spacer
  - Cement slurry: 203 bbls tail
  - Displacement: +/- 126 bbls of fresh water to float collar  
+/- 328 bbls of drilling mud from float collar to surfaceMix and pump cement at 10 bpm.
4. Land first stage top plug, check float, drop opening bomb for stage tool, open stage tool, circulate with drilling mud for 4 hours.
5. Rig up Halliburton and cement the second stage as follows:
  - Preflush: 20 bbls fresh water  
40 bbls Mud Flush  
20 bbls fresh water
  - Cement slurry: 478 bbls lead  
22 bbls tail
  - Displacement: +/- 348 bbls of fresh water
6. Land closing plug, close stage tool, check for flow.
7. Wait on cement at least 4 hours prior to nipping down BOP. ND BOP. Set casing slips in wellhead and cut off casing. Install 9-5/8" casing hanger.