

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

1490' FNL, 540' FEL, Sec. 10, T-29-N, R-7-W, NMPM

5. Lease Number  
NMM-03600

6. If Indian, All. or  
Tribe Name

7. Unit Agreement Name

San Juan 29-7 Unit

8. Well Name & Number

San Juan 29-7 U #63B

9. API Well No.

30-039-26779

10. Field and Pool

Blanco Mesaverde

11. County and State

Rio Arriba 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 approved casing and cement for the subject well according to the attached operations plan.

RECEIVED  
2002 NOV - 8 AM 11:32  
070 Farmington, NM

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

Signed [Signature] (JMJ) Title Regulatory Supervisor Date 11/4/02  
no

(This space for Federal or State Office use)

APPROVED BY [Signature] Title \_\_\_\_\_ Date DEC - 2 2002  
CONDITION OF APPROVAL, if any:

## OPERATIONS PLAN

Well Name: San Juan 29-7 Unit #63B  
Location: 1490'FNL, 540'FEL, Section 10, T-29-N, R-7-W  
Rio Arriba County, New Mexico  
Latitude 36° 44.6, Longitude 107° 33.1  
Formation: Blanco Mesaverde  
Elevation: 6374'GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	2266'	
Ojo Alamo	2266'	2426'	aquifer
Kirtland	2426'	2746'	gas
Fruitland	2746'	3221'	gas
Pictured Cliffs	3221'	3306'	gas
Lewis	3306'	3941'	gas
Intermediate casing	3700' TVD	4237.94' MD	
Huerfanito Bentonite	3941'	4234'	gas
Chacra	4234'	4976'	gas
Cliff House	4976'	5076'	gas
Menefee	5076'	5401'	gas
Point Lookout	5401'		gas
Total Depth	5801' TVD	6339.81' MD	

Logging Program: None

Mud Program:

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Vis.</u>	<u>Fluid Loss</u>
0- 120'	Spud	8.4-8.9	40-50	no control
0- 4102' MD	Non-dispersed	8.4-9.0	30-60	less than 8
4102- 6353' MD	air/mist	n/a	n/a	n/a

Drilling:

Surface:

Drill to surface casing point of 120' and set 9 5/8" casing.

Intermediate:

Mud drill to the kick off point of 250'. At this point, the well will be directionally drilled by building 3.5 degrees per 100' with an azimuth of 304.99 degrees. The end of the build will be at a TVD of 1331.99', a MD of 1403.14', VS of 338.09', and an angle of 36.86 degrees. This angle will be held at an azimuth of 304.99 degrees until 2917.52' TVD, and 3384.80' MD. The angle will then be dropped at 3.5 degrees per 100' until intermediate casing point of 3700.0' TVD, 4237.94' MD, and 7.0 degrees inclination.

Production Hole:

The production hole will be drilled with an air hammer. It will drill out at intermediate casing point and fall at approximately 2 to 3 degrees per 100 feet and be vertical at a TD of 5801' TVD and 6339.81' TMD.

Materials:

## Casing Program:

<u>Hole Size</u> <u>(inches)</u>	<u>Measured</u> <u>Depth (ft)</u>	<u>TVD (ft)</u>	<u>Casing</u> <u>Size (in)</u>	<u>Weight</u> <u>(lbs/ft)</u>	<u>Grade</u>
12 1/4"	120'	120'	9 5/8"	32.3	H-40
8 3/4"	4237.94'	3700'	7"	20.0	J-55
6 1/4"	6339.81'	5801'	4 1/2"	10.5	J-55

## Casing Equipment:

9 5/8" surface casing - sawtooth guide shoe.

7" intermediate casing - cement nose guide shoe on bottom, float collar one joint off bottom. Centralizers spaced as follows: (30) spaced every fourth joint from bottom to surface. Two turbolizing type centralizers, one below and one into the Ojo Alamo at 2266'.

4 1/2" production casing - saw took guide shoe on bottom, float collar, float collar, 6353' of 4 1/2" 10.5# J-55 ST&C csg.

## Tubing:

6353' of 2 3/8", 4.7#, J-55 8rd EUE tubing with seating nipple one joint off bottom and an expendable check valve on bottom.

## Wellhead Equipment:

9 5/8" x 7" x 2 3/8" - 11" (2000 psi) wellhead assembly.

Cementing

9 5/8" surface casing - cement with 80 sx Class "H" cement with 0.25 pps cellohane and 3% calcium chloride (113 cu.ft. of slurry, 200% excess to circulate to surface). WOC 8 hrs. Test casing to 600 psi for 30 minutes.

7" intermediate casing -

Lead w/593 sx 35/65 poz/Type III cement w/0.4% FL-52, 5 pps LCM-1, 0.25 pps Celloflake, 0.4% bwoc sodium metasilicate, 8% bentonite, 3% calcium chloride. Tail w/90 sx Type III cement w/1% calcium chloride, 0.25 pps Celloflake, 0.2% FL-52 (1387 cu.ft. of slurry, 125% excess to circulate to surface.) WOC minimum of 8 hours before drilling out intermediate casing. If cement does not circulate to surface, a CBL will be run during completion operations to determine TOC. Test casing to 1500 psi for 30 minutes.

See attached alternative intermediate lead slurry.

7" intermediate casing alternative two stage: Stage collar 3069'. First stage: cement with w/253 sx Type III cement w/1% calcium chloride, 0.25 pps Celloflake, 0.2% FL-52. Second stage: cement with 487 sx 35/65 poz/Type III cement w/0.4% FL-52, 5 pps LCF-1, 0.25 pps Celloflake, 0.4# bwoc sodium metasilicate, 8% bentonite, 3% calcium chloride (1387 cu.ft., 100% excess to circulate to surface).

4 1/2" production casing - cement with 183 sx 35/65 poz/Type III cement w/0.7% FL-52, 0.2% CD-32, 6.25 pps LCM-1, 0.25 pps Celloflake, 6% bentonite, 7 pps CSE (362 cu.ft.), 40% excess to cement 4 1/2" x 7" overlap). WOC a minimum of 18 hrs prior to completing.

Cement float shoe on bottom with float collar spaced on top of shoe joint.

#### BOP and Tests

Surface to intermediate TD - 11", 2000 psi double gate BOP stack (Reference Figure #1). Prior to drilling out surface casing, test rams and casing to 700 psi for 30 minutes.


Intermediate TD to Total Depth - 10" nominal, 2000 psi (minimum) double gate BOP stack (Reference Figure #1). Prior to drilling out intermediate casing, test rams and casing to 1500 psi (minimum) for 30 minutes.

Surface to Total Depth - choke manifold (Reference Figure #2).

Pipe rams will be actuated at least once each day and blind rams will be actuated once each trip to test proper functioning. A kelly cock valve and drill string safety valves to fit each drill string will be maintained and available on the rig floor.

#### Additional Information

- This gas is dedicated.
- The east half of Section 10 is dedicated to this well.
- New casing will be utilized.
- Pipe movement (reciprocation) will be done if hole conditions permit.
- No abnormal pressure zones are expected.

  
Drilling Engineer

11/4/2002  
Date