

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

1465' FNL, 940' FWL, Sec. 18, T-30-N, R-6-W, NMPM

5. Lease Number
NM-03385

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

San Juan 30-6 Unit

8. Well Name & Number

San Juan 30-6 U #17A

9. API Well No.

30-039-25670

10. Field and Pool

Blanco MV/Basin DK

11. County and State

Rio Arriba 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 -

13. Describe Proposed or Completed Operations

It is now intended to complete the subject well as a Mesaverde/Dakota dual.

Attached is a revised operations plan and C-102 plat. An Application for Permit to Drill was approved 4-11-97.

RECEIVED
MAY 30 1997

OIL CONSERVATION
DIST. 3

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

Signed Nancy Altman (BBPUD) Title Regulatory Administrator Date 5/20/97

(This space for Federal or State Office use)

APPROVED BY /s/ Duane W. Spencer

Title

Date

MAY 27

CONDITION OF APPROVAL, if any:

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-10
Revised February 21, 199
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-039-25670	Pool Code 72319/71599	Pool Name Blanco Mesaverde /Basin Dakota
Property Code 7469	Property Name San Juan 30-6 Unit	Well Number 17A
OGRID No. 14538	Operator Name BURLINGTON RESOURCES OIL & GAS, INC.	Elevation 6424'

¹⁰ Surface Location

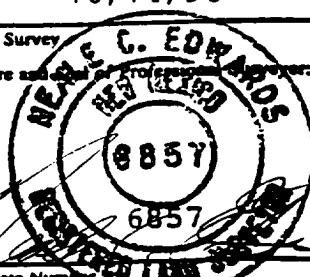
UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
E	18	30-N	6-W		1465	North	940	West	R.A.

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres W/320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<div>5273.40'</div> <div>1465'</div> <div>NM-03384</div> <div>940'</div> <div>5280.00'</div> <div>NM-03385</div> <div>18</div> <div>5277.36'</div>	<div>RECEIVED</div> <div>MAY 30 1997</div> <div>OIL CON. DIV.</div> <div>DIST. 8</div>	<div>¹⁷ OPERATOR CERTIFICATION</div> <div>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</div> <div><i>Nancy Oltmanns for -</i></div> <div>Signature</div> <div>Peggy Bradfield</div> <div>Printed Name</div> <div>Regulatory Administrator</div> <div>Title</div> <div>5-20-97</div> <div>Date</div> <div>¹⁸ SURVEYOR CERTIFICATION</div> <div>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by or under my supervision, and that the same is true and correct to the best of my belief.</div> <div>10/14/96</div> <div>Date of Survey</div> <div>Signature and Seal of Professional Surveyor:</div> <div></div> <div>Certificate Number</div>
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OPERATIONS PLAN

Well Name: San Juan 30-6 Unit #17A
Location: 1465' FNL, 940' FWL, Sec 18, T-30-N, R-6-W
 Rio Arriba County, NM
 Latitude 36° 48' 9", Longitude 107° 30' 6"
Formation: Blanco Mesa Verde/Basin Dakota
Elevation: 6424' GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	2436'	
Ojo Alamo	2436'	2506'	aquifer
Fruitland	2896'	3386'	gas
Pictured Cliffs	3386'	3486'	gas
Lewis	3486'	4051'	gas
Intermediate TD	3536'		
Mesa Verde	4051'	5226'	gas
Massive Cliff House	5226'	5290'	gas
Menefee	5290'	5576'	gas
Massive Point Lookout	5576'	5891'	gas
Gallup	7136'	7566'	gas
Greenhorn	7566'	7710'	gas
Dakota	7710'		gas
TD	7886'		

Logging Program:

Cased hole -Gamma Ray/Neutron

Mud Program:

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Vis.</u>	<u>Fluid Loss</u>
0- 200'	Spud	8.4-9.0	40-50	no control
200-3536'	LSND	8.4-9.0	30-60	no control
3536-7886'	Gas/Air	n/a	n/a	n/a

Pit levels will be visually monitored to detect gain or loss of fluid control.

Casing Program (as listed, the equivalent, or better):

<u>Hole Size</u>	<u>Depth Interval</u>	<u>Csq.Size</u>	<u>Wt.</u>	<u>Grade</u>
12 1/4"	0' - 200'	9 5/8"	32.3#	H-40
8 3/4"	0' - 3536'	7"	20.0#	J-55
6 1/4"	3536' - 7886'	5 1/2"	15.5#	J-55/SL4F

Tubing Program:

0' - 7886' 2 3/8" 4.70# EUE

BOP Specifications, Wellhead and Tests:

Surface to Intermediate TD -

11" 2000 psi minimum double gate BOP stack (Reference Figure #1). After nipple-up prior to drilling out surface casing, rams and casing will be tested to 600 psi for 30 minutes.

Intermediate TD to Total Depth -

11" 2000 psi minimum double gate BOP stack (Reference Figure #1). After nipple-up prior to drilling out intermediate casing, rams and casing will be tested to 1500 psi for 30 minutes.

Surface to Total Depth -

2" nominal, 2000 psi minimum choke manifold (Reference Figure #3).

Completion Operations -

7 1/16" 2000 psi double gate BOP stack (Reference Figure #2). After nipple-up prior to completion, pipe rams, casing and liner top will be tested to 2000 psi for 15 minutes.

Wellhead -

9 5/8" x 7" x 2 3/8" x 3000 psi tree assembly.

General -

- Pipe rams will be actuated once each day and blind rams will be actuated once each trip to test proper functioning.
- An upper kelly cock valve with handle available and drill string valves to fit each drill string will be available on the rig floors at all times.
- BOP pit level drill will be conducted weekly for each drilling crew.
- All BOP tests and drills will be recorded in daily drilling reports.
- Blind and pipe rams will be equipped with extension hand wheels.

Cementing:

9 5/8" surface casing - cement with 163 sx Class "B" cement with 1/4# flocele/sx and 2% calcium chloride (188 cu.ft. of slurry, 200% excess to circulate to surface). WOC 12 hrs. Test casing to 600 psi for 30 minutes.

Saw tooth guide shoe on bottom. Bowspring centralizers will be run in accordance with Onshore Order #2.

7" intermediate casing -

Lead w/311 sx Class "B" w/3% medisilicate, 10# gilsonite/sx and 1/2# flocele/sx. Tail w/90 sx 50/50 Class "B" Poz w/2% calcium chloride (1006 cu.ft. of slurry, 75% excess to circulate to surface.) WOC minimum of 12 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.

Cement nose guide shoe on bottom with float collar spaced on top of shoe joint. Bowspring centralizers spaced every other joint off bottom, to the base of the Ojo Alamo at 2506'. Two turbolating centralizers at the base of the Ojo Alamo at 2506'. Bowspring centralizers spaced every fourth joint from the base of the Ojo Alamo to the base of the surface casing.

5 1/2" Production Casing -

Cement to cover minimum of 100' of 5 1/2" x 7" overlap. Lead with 59 sx 65/35 Class "B" poz with 6% gel, 5# gilsonite/sx and 1/4# flocele/sx. Tail with 135 sx 50/50 Class "B" Poz with 1/4# flocele/sx, 5# gilsonite/sx, and 0.3% fluid loss additive (289 cu.ft., 35% excess to cement 5 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.

Note: To facilitate higher hydraulic stimulation completion work, no liner hanger will be used. In its place, a long string of 5 1/2" casing will be run and cemented with a minimum of 100' of cement overlap between the 5 1/2" x 7" casing strings. After completion of the well, a 5 1/2" retrievable bridge plug will be set below the top of cement in the 5 1/2" x 7" overlap. The 5 1/2" casing will then be backed off above the top of cement in the 5 1/2" x 7" overlap and laid down. The liner top can then be pressure tested to ensure a seal between the liner top and the 7" casing has been achieved. The test pressure shall be the maximum anticipated pressure to which the seal will be exposed (700 psi for the Mesa Verde and 2500 psi for the Dakota). The 5 1/2" bridge plug will then be retrieved and the production tubing will be run to produce the well.

- If hole conditions permit, an adequate water spacer will be pumped ahead of each cement job to prevent cement/ mud contamination or cement hydration.
- The pipe will be rotated and/or reciprocated, if hole conditions permit.

Special Drilling Operations (Gas/Mist Drilling):

The following equipment will be operational while gas/mist drilling:

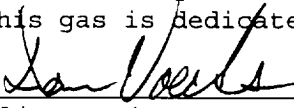
- An anchored blooie line will be utilized to discharge all cuttings and circulating medium to the blow pit a minimum of 100' from the wellhead.
- The blooie line will be equipped with an automatic igniter or pilot light.
- Compressors will be located a minimum of 100' from the wellhead in the opposite direction from the blooie line.
- Engines will have spark arresters or water cooled exhaust.
- Deduster equipment will be utilized.
- The rotating head will be properly lubricated and maintained.
- A float valve will be utilized above the bit.

- Mud circulating equipment, water, and mud materials will be sufficient to maintain control of the well.

Additional Information:

- The Dakota and Mesa Verde formations will be completed and commingled.
- No abnormal temperatures or hazards are anticipated.
- Anticipated pore pressures are as follows:

Fruitland Coal	800 psi
Pictured Cliffs	800 psi
Mesa Verde	700 psi
Dakota	2500 psi
- Sufficient LCM will be added to the mud system to maintain well control, if lost circulation is encountered.
- The dedication to the Mesa Verde and Dakota in this well is as shown on the C102 plat attached.
- This gas is dedicated.



Drilling Engineer

5/20/97

Date