submitted in lieu of Form 3160-5

**UNITED STATES**
**DEPARTMENT OF THE INTERIOR**
**BUREAU OF LAND MANAGEMENT**

RECEIVED
97 MAY 21 PM 3:38
070 FARMINGTON, NM

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**
895'FSL, 1105'FEL, Sec.8, T-30-N, R-6-W, NMPM

5. **Lease Number**
SF-079002

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 #36A**

9. **API Well No.**
30-039-

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 | |
|---|---|---|
| _X_ Notice of Intent | ___ Abandonment | _X_ Change of Plans |
| | ___ Recompletion | ___ New Construction |
| ___ Subsequent Report | ___ Plugging Back | ___ Non-Routine Fracturing |
| | ___ Casing Repair | ___ Water Shut off |
| ___ Final Abandonment | ___ Altering Casing | ___ Conversion to Injection |
| | _X_ 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 submitted 1-10-97.

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MAY 30 1997
OIL CON. DIV.
DIST. 3

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

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

(This space for Federal or State Office use)
APPROVED BY /S/ Duane W. Spencer Title _____ Date _____
CONDITION OF APPROVAL, if any:

NMOCD

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

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Form C-1
Revised February 21, 19
Instructions on ba
Submit to Appropriate District Offi
State Lease - 4 Copi
Fee Lease - 3 Copi

☐ AMENDED REPOR

# WELL LOCATION AND ACREAGE DEDICATION PLAT

| API Number | Pool Code | Pool Name |
|---|---|---|
| 30-039- | 72319 /71599 | Blanco Mesaverde /Basin Dakota |

| Property Code | Property Name | Well Number |
|---|---|---|
| 7469 | San Juan 30-6 Unit | 36A |

| OGRID No. | Operator Name | Elevation |
|---|---|---|
| 14538 | BURLINGTON RESOURCES OIL & GAS COMPANY | 6261' |

## Surface Location

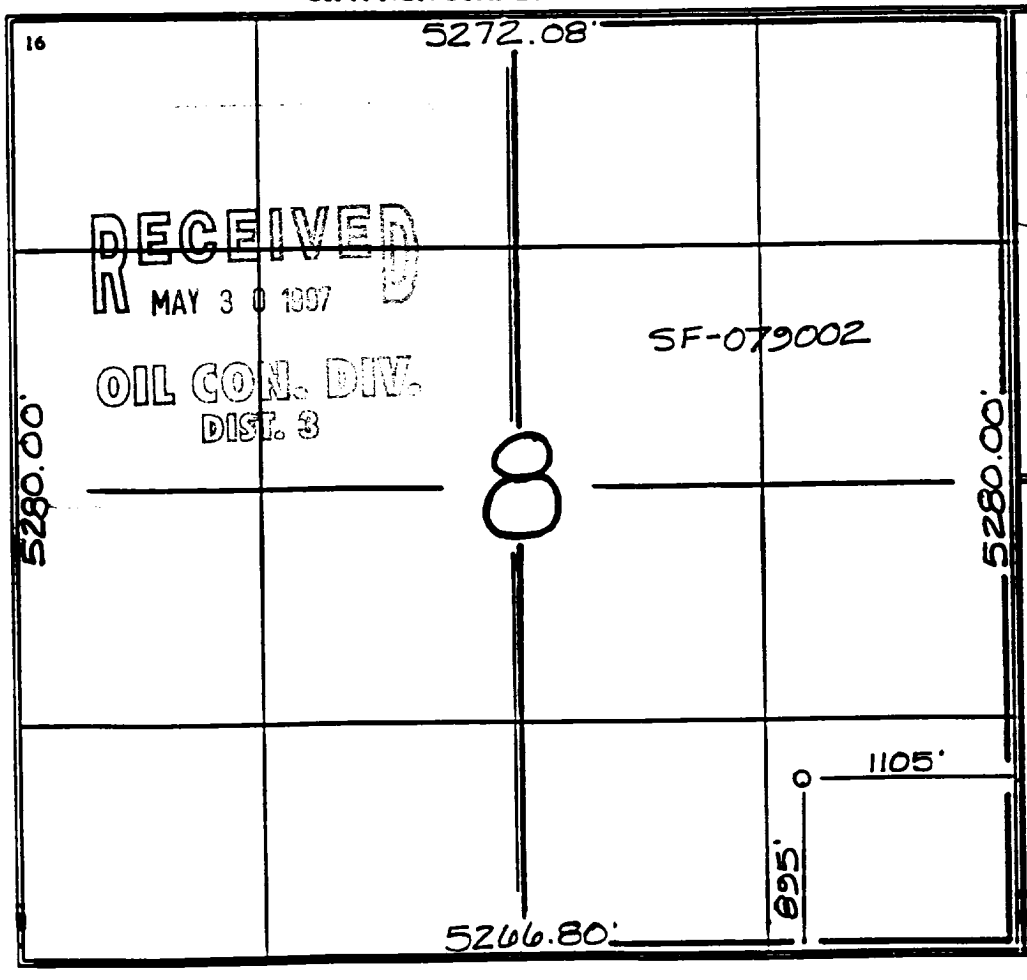
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---|---|---|---|---|---|---|---|---|---|
| P | 8 | 30-N | 6-W | | 895 | South | 1105 | East | R.A. |

## Bottom Hole Location If Different From Surface

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

| Dedicated Acres | Joint or Infill | Consolidation Code | Order No. |
|---|---|---|---|
| E/320 | | | |

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




## OPERATOR CERTIFICATIO

*I hereby certify that the information contained herein is true and complete to the best of my knowledge and beli*

Signature
Peggy Bradfield
Printed Name
Regulatory Administratc
Title
5-20-97
Date

## SURVEYOR CERTIFICATIO

*I hereby certify that the well location shown on this pl 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.*

11/15/96
Date of Survey

Signature and Seal of Professional Surveyor

NEAL C. EDWARDS
NEW MEXICO
6857
REGISTERED PROFESSIONAL SURVEYOR

6857
Certificate Number

# OPERATIONS PLAN

***Well Name:*** San Juan 30-6 Unit #36A
***Location:*** 895'FSL, 1105'FEL, Sec 8, T-30-N, R-6-W
Rio Arriba County, NM
Latitude 36° 49' 23", Longitude 107° 28, 48"
***Formation:*** Blanco Mesa Verde/Basin Dakota
***Elevation:*** 6261'GL

| ***Formation Tops:*** | ***Top*** | ***Bottom*** | ***Contents*** |
|---|---|---|---|
| Surface | San Jose | 2283' | |
| Ojo Alamo | 2283' | 2703' | aquifer |
| Fruitland | 2703' | 3083' | gas |
| Pictured Cliffs | 3083' | 3298' | gas |
| Lewis | 3298' | 3913' | gas |
| **Intermediate TD** | **3348'** | | |
| Mesa Verde | 3913' | 4303' | gas |
| Massive Cliff House | 5093' | 5183' | gas |
| Menefee | 5183' | 5433' | gas |
| Massive Point Lookout | 5433' | 5748' | gas |
| Gallup | 6993' | 7423' | gas |
| Greenhorn | 7423' | 7567' | gas |
| Dakota | 7567' | | gas |
| **TD** | **7743'** | | |

***Logging Program:***
Cased hole -Gamma Ray/Neutron

***Mud Program:***

| Interval | Type | Weight | Vis. | Fluid Loss |
|---|---|---|---|---|
| 0- 200' | Spud | 8.4-9.0 | 40-50 | no control |
| 200-3348' | LSND | 8.4-9.0 | 30-60 | no control |
| 3348-7743' | 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):***

| Hole Size | Depth Interval | Csg.Size | Wt. | Grade |
|---|---|---|---|---|
| 12 1/4" | 0' - 200' | 9 5/8" | 32.3# | H-40 |
| 8 3/4" | 0' - 3348' | 7" | 20.0# | J-55 |
| 6 1/4" | 3348' - 7743' | 5 1/2" | 15.5# | J-55/SL4F |

***Tubing Program:***

| | | | |
|---|---|---|---|
| 0' - 7743' | 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 2703'. Two turbolating centralizers at the base of the Ojo Alamo at 2703'. 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 61 sx 65/35 Class "B" poz with 6% gel, 5# gilsonite/sx and 1/4# flocele/sx. Tail with 134 sx 50/50 Class "B" Poz with 1/4# flocele/sx, 5# gilsonite/sx, and 0.3% fluid loss additive (292 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