submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED BLM

Sundry Notices and Reports on Wells

97 MAY 21 PM 3:37

070 FARMINGTON, NM

1. **Type of Well**
GAS

5. **Lease Number**
SF-080712A

6. **If Indian, All. or Tribe Name**

7. **Unit Agreement Name**

2. **Name of Operator**
BURLINGTON RESOURCES **OIL & GAS COMPANY**

San Juan 30-6 Unit

8. **Well Name & Number**
San Juan 30-6 U #48A

3. **Address & Phone No. of Operator**
PO Box 4289, Farmington, NM 87499 (505) 326-9700

9. **API Well No.**
30-039-25636

4. **Location of Well, Footage, Sec., T, R, M**
870'FNL, 1560'FWL, Sec.27, T-30-N, R-6-W, NMPM
C

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 approved 1-21-97.

RECEIVED
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 MAY 27 1997
CONDITION OF APPROVAL, if any:

E

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

RECEIVED BLM 97 MAY 21 PM 3:37 070 FARMINGTON, NM

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

¹ API Number	² Pool Code	³ Pool Name
30-039-25636	72319/71599	Blanco Mesaverde/Basin Dakota

⁴ Property Code	⁵ Property Name	⁶ Well Number
7469	San Juan 30-6 Unit	48A

⁷ OGRID No.	⁸ Operator Name	⁹ Elevation
14538	BURLINGTON RESOURCES OIL AND GAS COMPANY	6398'

¹⁰ Surface Location

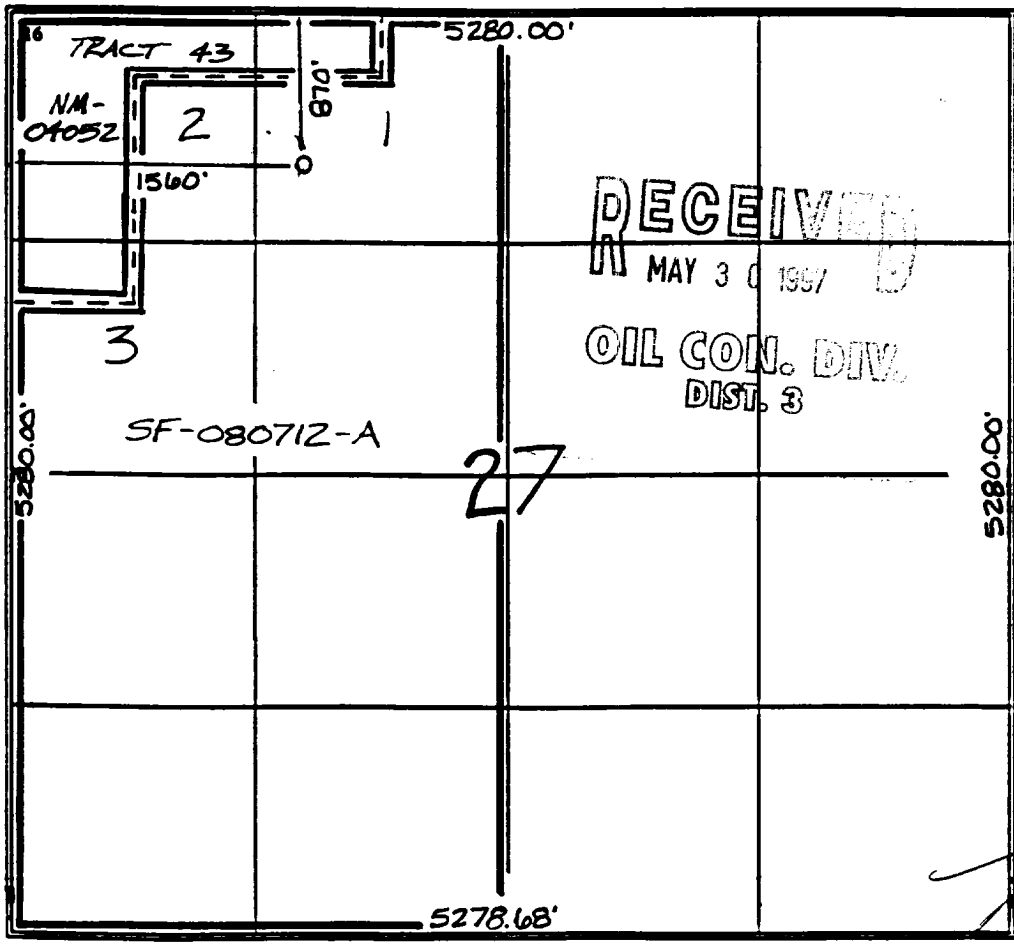
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	27	30 N	6 W		870	North	1560	West	R.A.

¹¹ 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

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
W/320 W/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



¹⁷ OPERATOR CERTIFICATION

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

Signature: Nancy Oltmanns for
Peggy Bradfield
Printed Name
Regulatory Administrator
Title
5-20-97
Date

¹⁸ SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

10-04-96
Date of Survey

Signature and Seal of Professional Surveyor:
NEALE C. EDWARDS
NEW MEXICO
6857
6857
REGISTERED LAND SURVEYOR

Certificate Number

OPERATIONS PLAN

Well Name: San Juan 30-6 Unit #48A
Location: 870'FNL, 1560'FWL, Sec 27, T-30-N, R-6-W
Rio Arriba County, NM
Latitude 36° 47' 3", Longitude 107° 27, 2"
Formation: Blanco Mesa Verde/Basin Dakota
Elevation: 6398'GL

Formation Tops:	***Top***	***Bottom***	***Contents***
Surface	San Jose	2450'	
Ojo Alamo	2450'	2250'	aquifer
Fruitland	2875'	3385'	gas
Pictured Cliffs	3385'	3405'	gas
Lewis	3405'	4045'	gas
Intermediate TD	**3455'**		
Mesa Verde	4045'	5235'	gas
Massive Cliff House	5235'	5285'	gas
Menefee	5285'	5545'	gas
Massive Point Lookout	5545'	5860'	gas
Gallup	7105'	7535'	gas
Greenhorn	7535'	7679'	gas
Dakota	7679'		gas
TD	**7855'**		

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
200-3455'	LSND	8.4-9.0	30-60	no control
3455-7855'	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' - 3455'	7"	20.0#	J-55
6 1/4"	3455' - 7855'	5 1/2"	15.5#	J-55/SL4F

Tubing Program:

0' - 7855'	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 2520'. Two turbolating centralizers at the base of the Ojo Alamo at 2520'. 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 62 sx 65/35 Class "B" poz with 6% gel, 5# gilsonite/sx and 1/4# flocele/sx. Tail with 133 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

Well Prognosis / Data Sheet

Company: Burlington Resources **Date:**
Area Geologist: W.H. Babcock **Date:**
Lease / Well No.: San Juan 30-6Unit #48A
Location: (footage) 870' FNL & 1560' FWL
Sec. - Town. - Range NENW 27-30N-6W
County: Rio Arriba **State:** New Mexico
Field:
Elevation: (est.) Gr. **KB**
(surveyed) Gr. 6398 **KB** 6410
MOI Drilling Engineer:
Rig Number:

Wireline Logging Co.:
Operations Geologist: Bill Babcock
Phone: Office - 505-326-9782
Home - 505-324-1137
Pager - 505-327-8497
Fax - 505-599-4062

Field Log Requirements:
Prints of all logs left on location: ______
Prints of all logs to Ops. Geol. ASAP: ______
(check distribution list for final prints)

Preliminary Formation Picks:	Tops		Zones			
	Depth	Subsea	Water		Hydrocarbon	
			Fresh	Salt	Oil	Gas
Surface	San Jose	xxxxx				
T / Ojo Alamo	2450	3960				
T/Kirtland	2520					
fruitland	2875	3535				
T/Pictured Cliffs	3385	3025				
T/Lewis	3405	3005				
T / Mesa Verde	4045	2365				
T / Massive Cliff House	5235	1175				
T / Menefee	5285	1125				
T / Massive Point Lookout	5545	865				
T / Mancos	5860					
T / Gallup	7105					
T / Greenhorn	7535					
T / Paguate	7679					
Total Depth:	7855					

Remarks

Fluid in Hole:
Gauge Well at:
Bit Size:
Casing: Surface -
Intermediate - 5455 ~~6460~~
To be Run -

Pressure Control:
Correlation Logs:

Logging Program: cased hole Gamma Ray/Neutron logs from top Ojo Alamo to TD

[illegible]
[illegible] ~~1930'~~ 1780 62 sxs
[illegible] 2720' 133 sxs
292 [illegible]

Directions: