

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

2001 APR 27 5:12:56

1. Type of Well
GAS

5. Lease Number
SF-079521A
6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

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

1530' FSL, 625' FEL, Sec. 28, T-28-N, R-5-W, NMPM

8. San Juan 28-5 Unit
Well Name & Number
San Juan 28-5 U #65N
9. API Well No.
30-039-26276
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

☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment

Type of Action

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

13. Describe Proposed or Completed Operations

It is intended to change the well name on the approved Application for Permit to Drill, Deepen or Plug Back to the San Juan 28-5 Unit #65N from the San Juan 28-5 Unit #50B. Also the well will be completed in the Dakota as well as the Mesaverde. Attached is a new C-102 plat, an Operations Plan and BOP diagram. After completion the well will be down hole commingled. A down hole commingle application will be submitted.



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

Signed Dennis C. Call Title Regulatory Supervisor Date 4/19/01
no

(This space for Federal or State Office use)

APPROVED BY _____ Title _____ Date 4/30/01
CONDITION OF APPROVAL, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOCD

District I
PO Box 1980, Hobbs, NM 88241-1980

District II
PO Drawer 00, 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-102
Revised February 21, 1994

Instructions on back
Submit to Appropriate District Office

State Lease - 4 Copies
Fee Lease - 3 Copies

2001 APR 27 PM 2:56

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-26276	² Pool Code 72319/71599	³ Pool Name Blanco Mesaverde/Basin Dakota
⁴ Property Code 7460	⁵ Property Name SAN JUAN 28-5 UNIT	⁶ Well Number 65N
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY	⁹ Elevation 6732'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot 1st	Feet from the	North/South line	Feet from the	East/West line	County
I	28	28N	5W		1530	SOUTH	625	EAST	RIO ARriba

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot 1st	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres MV-S/320 DK-S/320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
---	-------------------------------	----------------------------------	-------------------------

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

¹⁶ Reissued to show addition of Dakota and revised well name	5287.92'	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature <u>Peggy Cole</u> Printed Name <u>Peggy Cole</u> Regulatory Supervisor Title Date <u>1-19-01</u>
5280.00'	28 SF-079521-A	¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this 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. OCTOBER 20, 1999 Date of Survey Signature and Seal of Surveyor NEALE C. EDWARDS NEW MEXICO 6857 Certificate No. 685
	625'	
	1530'	
5280.00'	5280.00'	

OPERATIONS PLAN

Well Name: San Juan 27-5 Unit #65N
Location: 1530' FSL, 625' FEL, Sec 28, T-28-N, R-5-W
Rio Arriba County, NM
Latitude 36° 37.7, Longitude 107° 21.5
Formation: Blanco Mesaverde/Basin Dakota
Elevation: 6732' GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	2894'	
Ojo Alamo	2894'	3069'	aquifer
Kirtland	3069'	3174'	gas
Fruitland	3174'	3584'	gas
Pictured Cliffs	3584'	3679'	gas
Lewis	3679'	4184'	gas
Intermediate TD	3779'		
Mesa Verde	4184'	4534'	gas
Chacra	4534'	5319'	gas
Massive Cliff House	5319'	5419'	gas
Menefee	5419'	5744'	gas
Massive Point Lookout	5744'	6284'	gas
Mancos	6284'	6939'	gas
Gallup	6939'	7669'	gas
Greenhorn	7669'	7729'	gas
Graneros	7729'	7784'	gas
Dakota	7784'		gas
TD	7989'		

Logging Program:

Cased hole - CBL-CCL-GR - TD to surface
Cores - none

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- 3779'	LSND	8.4-9.0	30-60	no control
3779- 7989'	Air/N2	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>Csg. Size</u>	<u>Wt.</u>	<u>Grade</u>
12 1/4"	0' - 200'	9 5/8"	32.3#	WC-50
8 3/4"	0' - 3779'	7"	20.0#	J-55
6 1/4"	3679' - 7989'	4 1/2"	10.5#	K-55

Tubing Program:

0' - 7989' 2 3/8" 4.7# J-55

BOP Specifications, Wellhead and Tests:

Surface to Intermediate TD -

11" 3000 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" 3000 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, 3000 psi minimum choke manifold (Reference Figure #2).

Completion Operations -

7 1/16" 3000 psi double gate BOP stack (Reference Figure #3). 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 159 sx Class "G" cement with 1/4# flocele/sx and 3% calcium chloride (188 cu.ft. of slurry, 200% excess to circulate to surface). WOC 8 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/451 sx 50/50 Class "G" TXI Liteweight cement with 2.5% sodium metasilicate, 5 pps Gilsonite and 0.5 pps flocele. Tail w/90 sx Class "G" 50/50 poz w/2% gel, 2% calcium chloride, 5 pps Gilsonite, 0.5 pps Flocele (1279 cu.ft. of slurry, 100% 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 3074'. First stage: cement with w/186 sx Class "G" 50/50 poz w/2% gel, 2% calcium chloride, 5 pps gilsonite, 0.5 pps Flocele. Second stage: 403 sx 50/50 Class "G"/TXI Liteweight with 2.5% sodium metasilicate, 5 pps Gilsonite, 0.5 pps Flocele (1279 cu.ft., 100% excess to circulate to surface).

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 3069'. Two turbolating centralizers at the base of the Ojo Alamo at 3069'. Bowspring centralizers spaced every fourth joint from the base of the Ojo Alamo to the base of the surface casing.

4 1/2" Production Liner -

Cement to cover minimum of 100' of 4 1/2" x 7" overlap. Lead with 430 sx 50/50 Class "G" Poz with 5% gel, 0.25 pps flocele, 5 pps Gilsonite (619 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.

Note: If open hole logs are run, cement volumes will be based on 25% excess over caliper volumes.

Note: To facilitate higher hydraulic stimulation completion work, no liner hanger will be used. In its place, a long string of 4 1/2" casing will be run and cemented with a minimum of 100' of cement overlap between the 4 1/2" x 7" casing strings. After completion of the well, a 4 1/2" retrievable bridge plug will be set below the top of cement in the 4 1/2" x 7" overlap. The 4 1/2" casing will then be backed off above the top of cement in the 4 1/2" x 7" overlap and laid down. The 4 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.

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

Fruitland Coal	300 psi
Pictured Cliffs	600 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 south half of Section 28 is dedicated to the Mesaverde and the Dakota in this well.
- This gas is dedicated.

Mike Wardinsky

4/26/01

Alternative Intermediate Lead Slurry

Dowell-

Class G: D49(50:50) w/ 2.5% D79, 2% S1, 10pps D24, .5pps D29, .2%D46

where: D49-TXI Light weight Cement

D79-Sodium Metasilicate

S1-Calcium Chloride

D24-Gilsonite

D46-Antifoam Agent

Properties-

Density:11.4 lb/gal

Yield:2.58 cu ft./sk

Water:14.55 gal/sk

Thick Time 70 b.c.(deg F): 4:06(101)

Free Water:0

Fluid Loss:462ml/30 min

CS(crush)@24hr:394

CS(crush)@48hr:550

Halliburton-

Class H 47#/sk, 37#/sk Blended Silicalite, 3% Bentonite, 4% Calcium Chloride

Properties-

Density:11.4 lb/gal

Yield:2.42 cu.ft./sk

Water:14.02 gal/sk

Thick Time(70 bc): 11:00+

Fluid Loss: 702 cc/30min

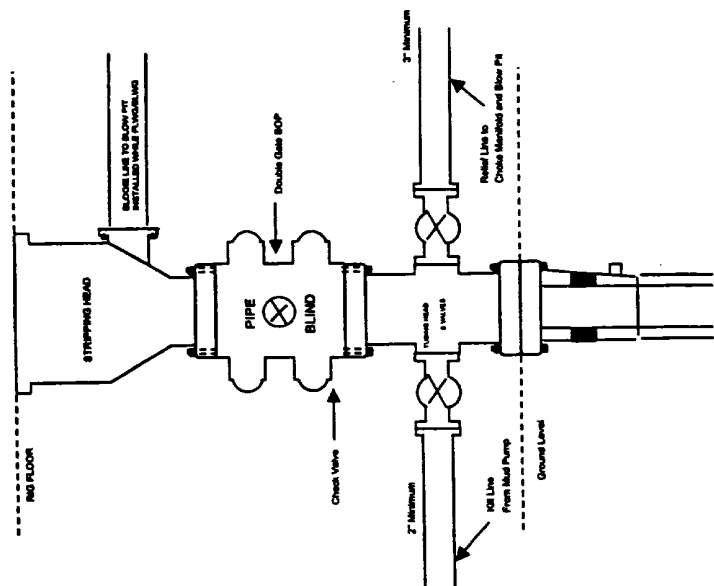
Free Water: 0%

Compressive Strength (@25:19) :500

Compressive Strength (@48:00) :630

BURLINGTON RESOURCES

Completion/Workover Rig BOP Configuration 3,000 psi System

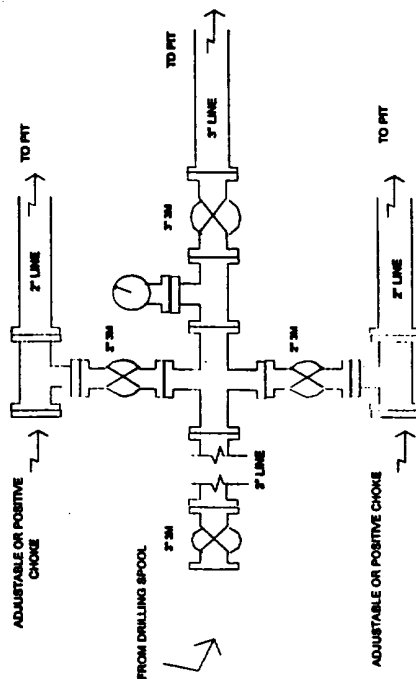


Minimum BOP installation for all Completion/Workover Operations. 7-1/16" bore, 3000 psi minimum working pressure double gate BOP to be equipped with blind and pipe rams. A stripping head to be installed on the top of the BOP. All equipment is 3000 psi working pressure or greater.

Figure #3

BURLINGTON RESOURCES

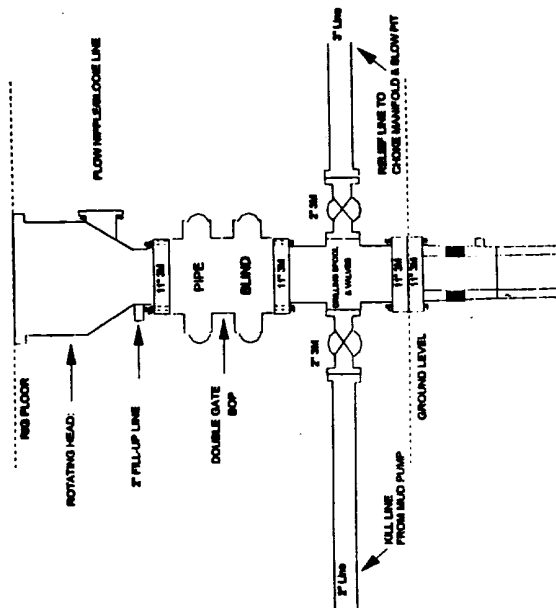
Drilling Rig Choke Manifold Configuration 3000 psi System



Choke manifold installation from Surface Casing Point to Total Depth. 3,000psi working pressure equipment with two chokes.

Figure #2

Drilling Rig 3000 psi System



BOP installation from Surface Casing Point to Total Depth. 11" Bore 10" Nominal, 3000 psi working pressure double gate BOP to be equipped with blind rams and pipe rams. A stripping head on top of ram preventers. All BOP equipment is 3,000 psi working pressure

Figure #1