

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RCVD FEB 6 '07  
OIL CONS. DIV.  
DIST. 2

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number NMPM-079404 Unit Reporting Number	
1b. Type of Well GAS	6. If Indian, All. or Tribe	
2. Operator <b>BURLINGTON</b> RESOURCES Oil & Gas Company	7. Unit Agreement Name San Juan 28-6 Unit	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name	
	9. Well Number #103N	
4. Location of Well <i>N 1110 1790</i> Surface: Unit <del>X</del> (NESW), <del>1740'</del> FSL, <del>1980'</del> FWL Blanco Mesaverde/ Basin Dakota Bottom: Unit L (NWSW), <del>2340'</del> FSL, 700' FWL <i>1830</i> Latitude 36° 35.1648'N Longitude 107° 30.5727'W	10. Field, Pool, Wildcat 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 7, T27N, R6W API # 30-039- <i>29916</i>	
14. Distance in Miles from Nearest Town 47 miles to Blanco, NM	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1740'		
16. Acres in Lease	17. Acres Assigned to Well 315.68 W2 MV/DK	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 58'- San Juan 28-6 Unit #103		
19. Proposed Depth 7915'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6554' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <i>Armanda Sandaval</i> Regulatory Analyst	NOTIFY AZTEC OGD 24 hrs IN TIME TO WITNESS <i>CS &amp; Cementing</i> <i>5-12-06</i> Date	

PERMIT NO.

APPROVAL DATE

APPROVED BY *[Signature]*

TITLE *AFM*

DATE *1/2/07*

Archaeological Report attached

Threatened and Endangered Species Report attached

NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

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

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4

DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".

NMCCD

*2/6/07*

RCVD FEB 5 '07  
OIL CONS. DIV.

DISTRICT I  
1625 N. French Dr., Hobbs, N.M. 88240

State of New Mexico  
Energy, Minerals & Natural Resources Department

Form C-102  
Revised October 12, 2005

DISTRICT II  
1301 West Grand Avenue, Artesia, N.M. 88210

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

DISTRICT III  
1000 Rio Brazos Rd., Aztec, N.M. 87410

DISTRICT IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

☐ AMENDED REPORT

### WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-0349-29916	<sup>2</sup> Pool Code 72319/71599	<sup>3</sup> Pool Name Blanco Mesaverde/Basin Dakota
<sup>4</sup> Property Code 7462	<sup>5</sup> Property Name SAN JUAN 28-6 UNIT	<sup>6</sup> Well Number 103N
<sup>7</sup> OGRID No. 14538	<sup>8</sup> Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP	<sup>9</sup> Elevation 6557'

#### <sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	7	27-N	6-W		1110'	SOUTH	1790'	WEST	RIO ARriba

#### <sup>11</sup> 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
L	7	27-N	6-W		1630'	SOUTH	700'	WEST	RIO ARriba

<sup>12</sup>Dedicated Acres  
MV/DK 315.68 ac W2

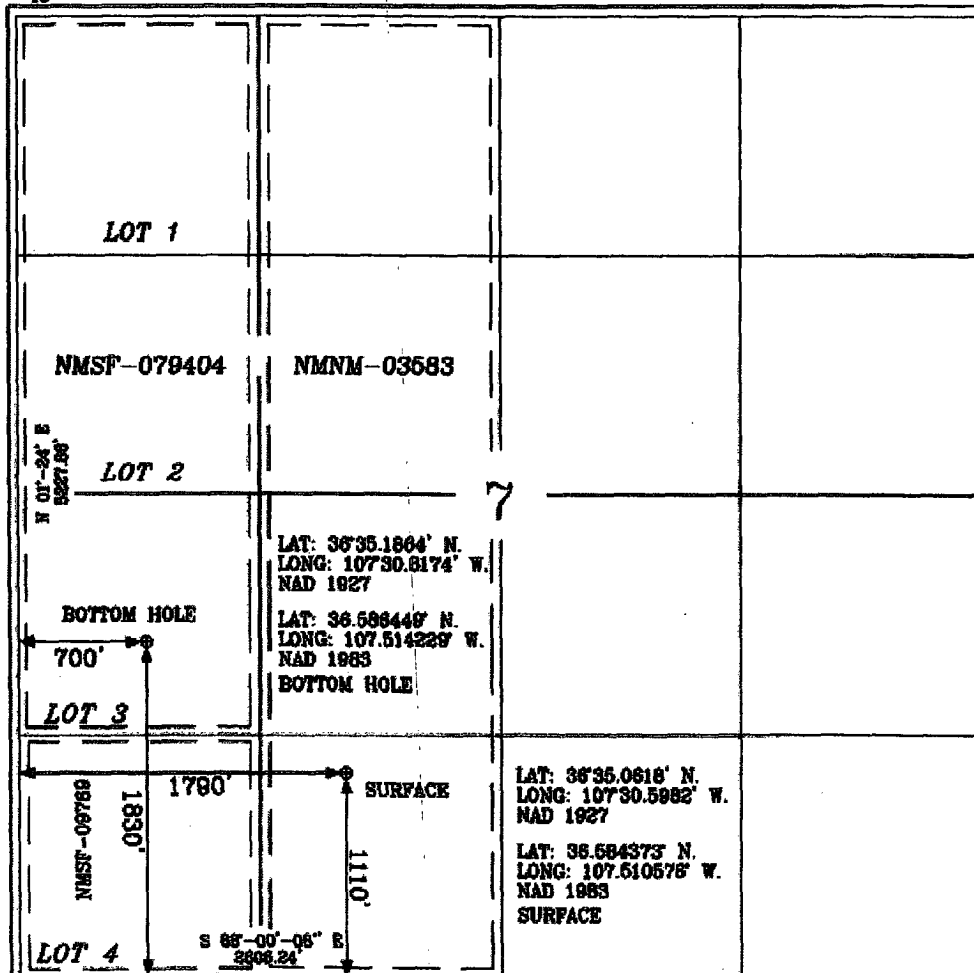
<sup>13</sup>Joint or Infill

<sup>14</sup>Consolidation Code

<sup>15</sup>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



#### <sup>17</sup> OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unless mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or a working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

*Patsy Clugston*  
Signature

Patsy Clugston  
Printed Name

Sr. Regulatory Specialist

#### <sup>18</sup> 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.

11-29-06  
Date of Survey

Signature of Registered Surveyor

GLENN NEW MEXICO  
15703  
LICENSED PROFESSIONAL SURVEYOR

*Glenn W. Russell*  
Certificate Number 15703

Office

Energy, Minerals and Natural Resources

May 27, 2004

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Ave., Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

**OIL CONSERVATION DIVISION**

1220 South St. Francis Dr.

Santa Fe, NM 87505

WELL API NO.

30-039- 299116

5. Indicate Type of Lease

STATE ☐FEE ☐

6. State Oil &amp; Gas Lease No.

NMNM-079404

7. Lease Name or Unit Agreement Name

San Juan 28-6 Unit

8. Well Number

#103N

9. OGRID Number

14538

10. Pool name or Wildcat

Blanco Mesaverde/ Basin Dakota

**SUNDRY NOTICES AND REPORTS ON WELLS**  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:

Oil Well ☐Gas Well ☒

Other

2. Name of Operator

BURLINGTON RESOURCES OIL &amp; GAS COMPANY LP

3. Address of Operator

3401 E. 30TH STREET, FARMINGTON, NM 87402

4. Well Location

Unit Letter K : 1740 feet from the South line and 1900 feet from the West line  
Section 7 Township 27N Rng 6W NMPM County Rio Arriba

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

6558'

Pit or Below-grade Tank Application

☐ or Closure ☐

Pit type

New

Depth to Groundwater

&gt;100'

Distance from nearest fresh water well

&gt;1000'

Distance from nearest surface water

>200'  
1000'

Pit Liner Thickness:

n/a

mil

Below-Grade Tank:

Volume

bbls;

Construction Material

## 12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

**NOTICE OF INTENTION TO:**PERFORM REMEDIAL WORK ☐TEMPORARILY ABANDON ☐PULL OR ALTER CASING ☐PLUG AND ABANDON ☐CHANGE PLANS ☐MULTIPLE COMPL ☐

OTHER:

New Drill ☒**SUBSEQUENT REPORT OF:**REMEDIAL WORK ☐COMMENCE DRILLING OPNS. ☐CASING/CEMENT JOB ☐ALTERING CASING ☐P AND A ☐OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

New Drill. Unlined:

Burlington Resources proposes to construct a new drilling pit and an associated vent/flare pit. Based on Burlington's interpretation of the Ecosphere's risk ranking criteria, the new drilling pit and vent/flare pit will be an unlined pit as detailed in Burlington's Revised Drilling / Workover Pit Construction / Operation Procedures dated November 11, 2004 on file at the NMOCD office. A portion of the vent/flare pit will be designed to manage fluids, and that portion will be unlined, as per the risk ranking criteria. Burlington Resources anticipates closing these pits according to the Drilling / Workover Pit Closure Procedure dated August 2, 2004 on file at the NMOCD office.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☒, or an (attached) alternative OCD-approved plan ☐.

SIGNATURE

TITLE

Regulatory Analyst

DATE

5/11/2006

Type or print name

Amanda Sandoval

E-mail address:

asandoval@br-inc.com

Telephone No.

505-326-9891

**For State Use Only**

APPROVED BY

TITLE

DEPUTY OIL &amp; GAS INSPECTOR, DIST. 83

DATE

FEB 06 2007

Conditions of Approval (if any):

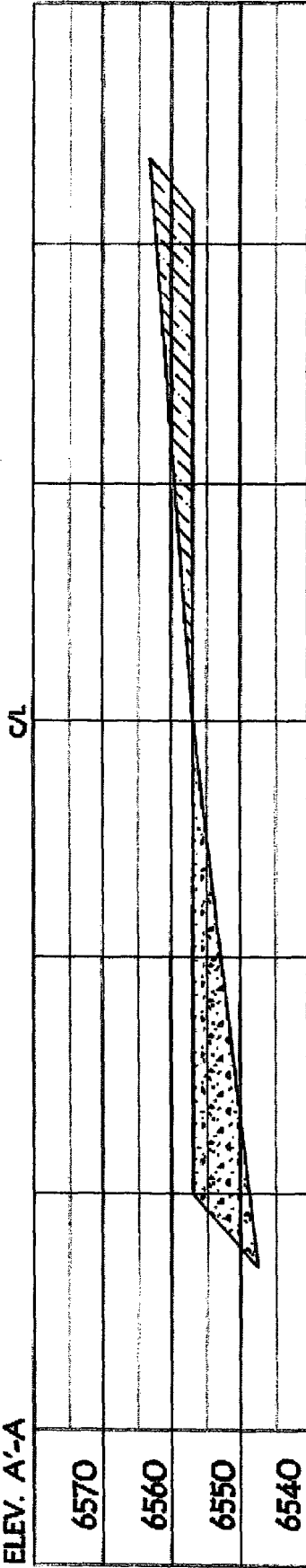
NOTE: VECTOR SURVEYS IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.  
CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED  
PIPELINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.



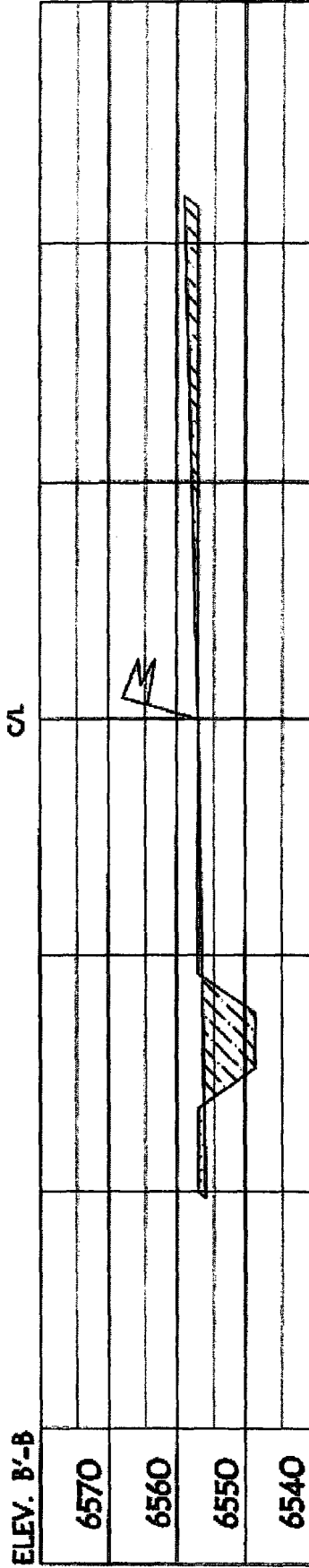
**LAT: 36° 35.0618' N LONG: 107° 30.5982' W NAD27**

**BURLINGTON RESOURCES OIL & GAS COMPANY LP**  
**SAN JUAN 28-6 UNIT 103N, 1110' FSL & 1790' FWL**  
**SECTION 7, T-27-N, R-6-W, NMPM, RIO ARriba COUNTY, NM**  
**GROUND ELEVATION: 6557', DATE: OCTOBER 23, 2006**

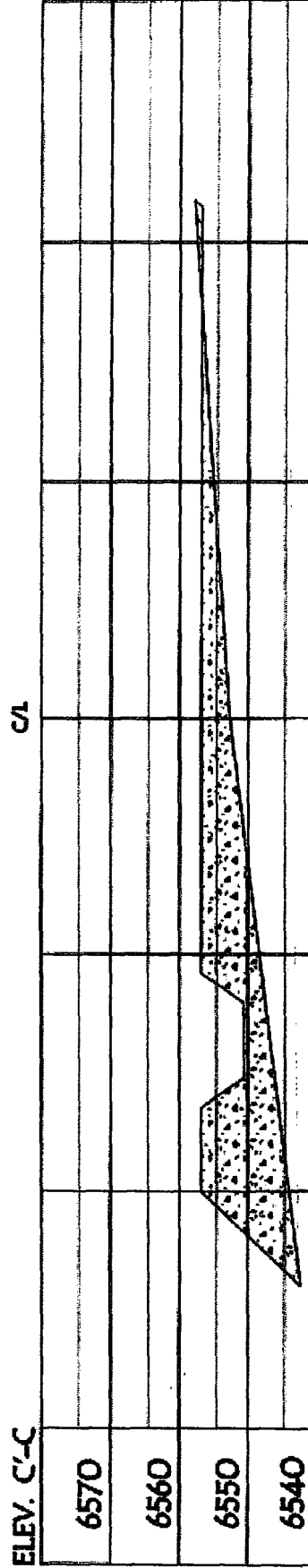
**ELEV. A'-A**



**ELEV. B'-B**



**ELEV. C'-C**



**NOTE: VECTOR SURVEYS IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.  
 CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED  
 PIPELINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.**

# SAN JUAN 28-6 UNIT 103N OPERATIONS PLAN

**Well Name:** SAN JUAN 28-6 UNIT 103N

**Objective:** Blanco Mesa Verde/Basin Dakota

**Location:** Rio Arriba NM

**Elevation:** 6558'

**Surface Coordinates/Footages**

**Bottom Hole Coordinates/Footages**

T - 27 N R - 6 W Sec.: 6  
1740' FSL 1900' FWL  
Latitude: 36° 35.1648' N  
Longitude: 107° 30.5727' W

T - 27 N R - 6 W Sec.: 7  
2340' FSL 700' FWL  
Latitude: 36° 35.2706' N  
Longitude: 107° 30.8148' W

<b><u>Formation</u></b>	<b><u>Top (TMD)</u></b>	<b><u>Top (TVD)</u></b>	<b><u>Contents</u></b>
Surface	San Jose	San Jose	
Ojo Alamo	2640'	2504'	aquifer
Kirtland	2707'	2566'	gas
Fruitland	3147'	2974'	gas
Pictured Cliffs	3372'	3182'	gas
Lewis	3552'	3349'	gas
Huerfano Bentonite	3967'	3734'	gas
Chacra	4392'	4144'	gas
Massive Cliff House	5088'	4840'	gas
Menefee	5659'	4957'	gas
Massive Point Lookout	6080'	5411'	gas
Mancos Shale	6501'	5832'	gas
Upper Gallup	6744'	6496'	gas
Greenhorn	7596'	7348'	gas
Graneros	7655'	7407'	gas
Two Wells	7693'	7445'	gas
Upper Cubero	7810'	7562'	gas
Lower Cubero	7845'	7597'	gas
Oak Canyon	7903'	7655'	gas
Encinal	7915'	7667'	gas
<b>Total Depth:</b>	<b>7915'</b>	<b>7667'</b>	gas

**Logging Program:** Cased Hole: CBL-GR  
Open Hole: None

<b><u>Mud Program:</u></b>	<b><u>Interval (TMD)</u></b>	<b><u>Type</u></b>	<b><u>Weight (ppg)</u></b>	<b><u>Vis. (s/qt)</u></b>	<b><u>Fluid Loss (cc/30min)</u></b>
	0' - 320'	Spud	8.4-9.0	40-50	No control
	320' - 4542'	Non-dispersed	8.4-9.0	30-60	Less than 8
	4542' - 7915'	Air/Air Mist/Nitrogen	n/a	n/a	n/a

<b><u>Casing program:</u></b>	<b><u>Interval (TMD)</u></b>	<b><u>Hole Size</u></b>	<b><u>Casing Size</u></b>	<b><u>Weight</u></b>	<b><u>Grade</u></b>
	0' - 320'	12 1/4"	9 5/8"	32.3#	H-40
	320' - 4542'	8 3/4"	7"	23.0#	L-80
	4542' - 7915'	6 1/4"	4 1/2"	11.6#	L-80

<b><u>Tubing program:</u></b>	<b><u>Interval (TMD)</u></b>	<b><u>Hole Size</u></b>	<b><u>Casing Size</u></b>	<b><u>Weight</u></b>	<b><u>Grade</u></b>
	0' - 7915'	Cased	2 3/8"	4.7#	J-55

**Wellhead Equipment**

9 5/8" x 7" X 4 1/2" x 2 3/8" - 11" (2000 psi) wellhead assembly

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

### **Surface**

Drill to surface casing point of 320' and set 9.625" casing.

### **Intermediate**

Mud drill to kick off point of 400'. At this point the well will be directionally drilled by building 4 degrees per 100' with an azimuth of 298.26 degrees. The end of the build will be at a TVD of 936', a TMD of 950', a reach of 104', and an inclination of 21.98 degrees. This angle and azimuth will be held to a TVD of 3758', a TMD of 3992', and a reach of 1243'. At this point the well will be drilled with a drop of 4 degrees per 100'. The end of the drop will be at a TVD of 4294', a TMD of 4542', a reach of 1347', and an angle of 0.0 degrees. 7" casing will be set at this point.

### **Production**

From the shoe of the intermediate string, the well will be drilled vertically with an air hammer to a TVD of 7667' (TMD of 7915'). 4.5" casing will be set at this point.

### **Cementing**

9.625" surface casing conventionally drilled: **200%** excess cement to bring cement to surface.

Run 301 cu.ft. (235 sks) Type III cement with 3% CaCl<sub>2</sub> and 1/4 pps celloflake (1.28 sks/ cu.ft.). Wait on cement appropriate time until cement achieves 250 psi compressive strength at 60° F prior to nipple up of BOPE. Wait on cement for 8 hrs for conventionally set holes before pressure testing or drilling out from under surface.

7" intermediate casing: **50%** excess cement to bring cement to surface.

Lead with 900 cu.ft. (423 sks) Premium Lite w/ 3% CaCl<sub>2</sub>, 0.25 pps Cello-Flake, 5 pps LCM-1, 0.4% FL-52 and 0.4% SMS (2.13 sks/ft<sup>3</sup>). Tail with 124 ft<sup>3</sup> (90 sks) Type III cmt. w/ 1% CaCl<sub>2</sub>, 0.25 pps Cello-Flake and 0.2% FL-52 (1.38 sks/ft<sup>3</sup>). If cement does not circulate to surface, a CBL or a temperature survey will be run to determine TOC.

4.5" production casing: **30%** excess cement to achieve 100' overlap with intermediate casing.

Run 462 cu.ft. (233 sks) Premium Lite HS FM + 0.25pps Cello-Flake, 0.3% CD-32, 6.25pps LCM-1, 1% FL-52 (1.98 sks/ft<sup>3</sup>.)

### **BOP and Tests**

Surface to Total Depth – 11", 2000 psi double gate BOP stack (Reference Figure #1).

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

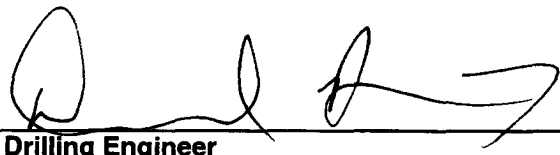
Prior to drilling out surface casing, test BOPE and casing to 600 psi for 30 minutes.

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.

BOPE tests will be performed using an appropriately sized test plug and test pump and will be recorded using calibrated test gauges and a properly calibrated strip or chart recorder. The test will be recorded in the driller's log and will include a low pressure test requirement of 250 psig held for five minutes and a high pressure test requirement held for ten minutes as described in Onshore Order No. 2 or otherwise noted in the APD. A successful BOPE test using a test plug is considered when no pressure drop occurs over the duration of the test. Test gauges and recorders must be of the proper range and resolution commensurate with the authorized test pressure. Where the intermediate casing strings are used, only one BOPE test will be necessary contingent upon the test being conducted to the highest approved test pressure to which BOPE will be exposed. Casing pressure tests must be held for 30 minutes with no more than 10 percent pressure drop during the duration of the test.

### **Additional Information:**

- This gas is dedicated to the West half of Section 7.
- New casing will be utilized.
- Pipe movement (reciprocation) will be done if hole conditions permit.
- No abnormal pressure zones are expected.
- BHP is expected to be 2000 psi.



Drilling Engineer

5/11/06  
Date

# Scientific Drilling Planning Report

Database: EDM 2003.14 Midland Db  
Company: Burlington Resources  
Project: SAN JUAN, NM  
Site: SEC 7-T27N-R6W  
Well: SAN JUAN 28-6 UNIT #103N  
Wellbore: OH  
Design: Plan #1

Local Co-ordinate Reference:  
TVD Reference:  
MD Reference:  
North Reference:  
Survey Calculation Method:

Well SAN JUAN 28-6 UNIT #103N  
WELL @ 6572.0ft (Original Well Elev)  
WELL @ 6572.0ft (Original Well Elev)  
Grid  
Minimum Curvature

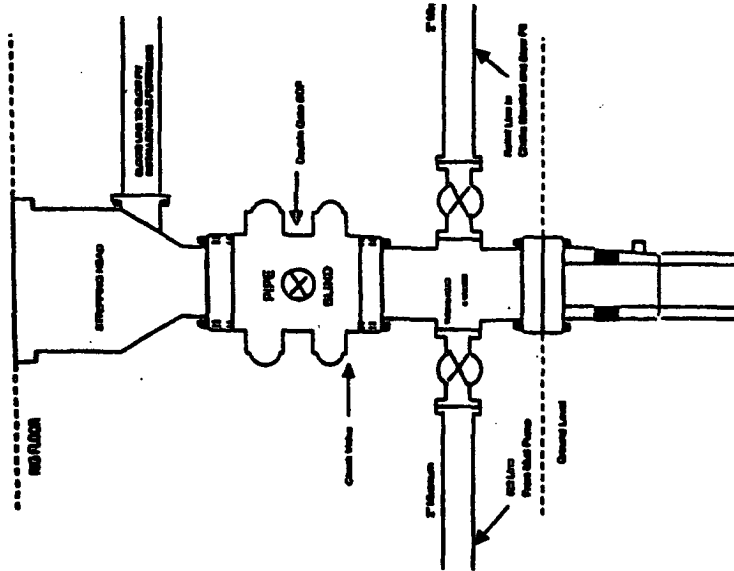
Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
2,640.3	2,504.0	Ojo Alamo		0.00	80.67	
2,707.2	2,566.0	Kirtland		0.00	80.67	
3,147.2	2,974.0	Fruitland		0.00	80.67	
3,371.5	3,182.0	Pictured Cliffs		0.00	80.67	
3,551.6	3,349.0	Lewis		0.00	80.67	
3,966.7	3,734.0	Hurfanito Bentonite		0.00	80.67	
4,391.7	4,144.0	Chacra		0.00	80.67	
5,088.0	4,840.0	Massive Cliff House		0.00	80.67	
5,659.0	5,411.0	Menefee		0.00	80.67	
6,080.0	5,832.0	Point Lookout		0.00	80.67	
6,744.0	6,496.0	Gallup		0.00	80.67	
7,596.0	7,348.0	Greenhorn		0.00	80.67	
7,655.0	7,407.0	Graneros		0.00	80.67	
7,693.0	7,445.0	TWO WELLS		0.00	80.67	
7,810.0	7,562.0	Upper Cubero		0.00	80.67	
7,845.0	7,597.0	Lower Cubero		0.00	80.67	
7,903.0	7,655.0	Oak Canyon		0.00	80.67	
7,915.0	7,667.0	ENCINAL		0.00		

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
400.0	400.0	0.0	0.0	Start Build 4.00	
949.6	936.2	49.3	-91.7	Start 3042.9 hold at 949.6 MD	
3,992.4	3,757.8	588.5	-1,095.0	Start Drop -4.00	
4,542.0	4,294.0	637.8	-1,186.8	Start 3373.0 hold at 4542.0 MD	
7,915.0	7,667.0	637.8	-1,186.8	TD at 7915.0	



# BURLINGTON RESOURCES

Completion/Workover Rig  
BOP Configuration  
2,000 psi System

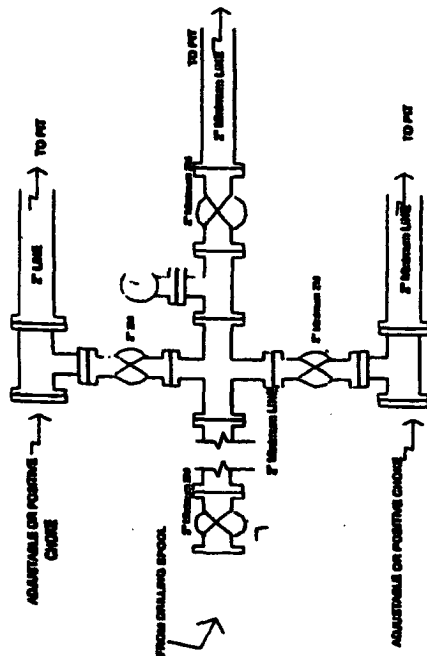


Minimum BOP Installation for all Completion/Workover Operations. 7-1/16" bore, 2000 psi minimum working pressure double gate BOP to be equipped with blind and pipe rams. A stripping head to be installed on the top of the BOP. All BOP equipment is 2000 psi working pressure or greater excluding 800 psi stripping head.

Figure #2

# BURLINGTON RESOURCES

Drilling Rig  
Choke Manifold Configuration  
2000 psi System

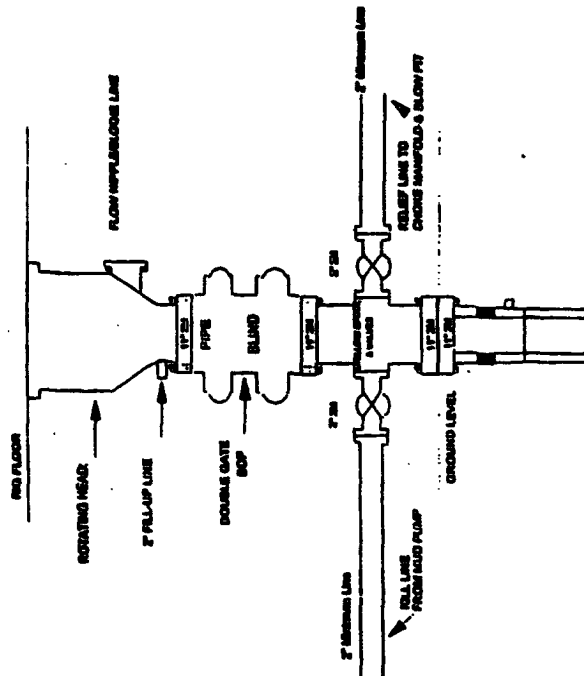


Choke manifold installation from Surface Casing Point to Total Depth. 2,000psi working pressure equipment with two chokes.

Figure #3

# Burlington Resources

Drilling Rig  
2000 psi System



BOP Installation from Surface Casing Point to Total Depth. 11" Bore 2000 psi minimum working pressure double gate BOP to be equipped with blind and pipe rams. A stripping head on top of main prevention. All BOP equipment is 2,000 psi working pressure.

Figure #1

submitted in lieu of Form 3160-5

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RCVD FEB 6 2007  
OIL CONSERV. DIV.  
DIST. 2

Sundry Notices and Reports on Wells

1. Type of Well  
GAS

2006 DEC 5 PM 4 12

RECEIVED  
070 FARMINGTON NM

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

3. Address & Phone No. of Operator

PO Box 4289, Farmington, NM 87499 (505) 326-9700

4. Location of Well, Footage, Sec., T, R, M

Unit N (SESW) 1110' FSL & 1790' FWL Surface Location, Sec. 7, T27N, R6W NMPM  
Unit L (NWSW) 1830' FSL & 700' FWL Bottom Hole Location, Sec. 7, T27N, R6W NMPM  
W

5. Lease Number  
NM-079404
6. If Indian, All. or  
Tribe Name
7. Unit Agreement Name  
San Juan 28-6 Unit
8. Well Name & Number  
San Juan 28-6 Unit 103N
9. API Well No.  
30-039- 29916
10. Field and Pool  
Blanco Mesaverde/  
Basin Dakota
11. County and State  
Rio Arriba, NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission	Type of Action		
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input checked="" type="checkbox"/> Change of Plans	<input type="checkbox"/> Other -
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction	
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Plugging	<input type="checkbox"/> Non-Routine Fracturing	
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut off	
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection	

13. Describe Proposed or Completed Operations

This location was moved south to avoid A.C.E.C. The new footages for the surface location are 1110' FSL and 1790' FWL. The old footages were 1740' FSL and 1900' FWL for the surface location. The bottom hole remains the same.

Please see attached Plat C102-Please make note of the changes.

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

Signed Patsy Clugston Title Sr. Regulatory Specialist Date 12/04/06

(This space for Federal or State Office use)

APPROVED BY [Signature] Title AFM Date 1/2/07

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