

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

Sundry Notices and Reports on Wells

2005 APR 11 PM 1 24

RECEIVED
C10 FARMINGTON NM

1. Type of Well
GAS

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

SHL - 930' FSL & 940' FWL, Section 25, T28N, R5W

BHL - 1925' FSL & 315' FEL, Section 26, T28N, R5W

5. Lease Number
SF-079520-A6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

San Juan 28-5 Unit

8. Well Name & Number

SJ 28-5 Unit #81N

9. API Well No.

30-039-27822

11. Basin Fruitland Coal
County and State
San Juan 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☒ Other - Revised Ops Plan☒ Subsequent Report☐ Recompletion☐ New Construction☐ Final Abandonment☐ Plugging☐ Non-Routine Fracturing☐ Casing Repair☐ Water Shut off☐ Altering Casing☐ Conversion to Injection**13. Describe Proposed or Completed Operations**

The subject well's bottomhole location has been moved and the Operations Plan has been revised. Attached please find the revised Operational Plan and revised plat. The surface location is the same so the pipeline, and surface stipulations will remain the same.

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

Signed

Patsy Clugston

Patsy Clugston

Title Sr. Regulatory Specialist

Date 4/11/06

(This space for Federal or State Office use)

APPROVED BY

Jim Covato

Title

Per. Eng.

Date

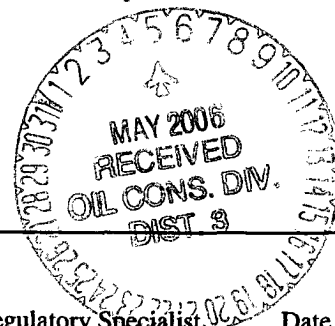
4/17/06

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

HOLD C104 FOR *directional survey*

NMOCD

46

District II
PO Drawer DD, Artesia, NM 88211-0719

OIL CONSERVATION DIVISION

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

District III
1000 Rio Brazos Rd., Aztec, NM 87410

P.O. Box 2088
Santa Fe, NM 87504-2088

District IV
PO Box 2088, Santa Fe, NM 87504-2088

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-27822		*Pool Code 71599 / 72319	*Pool Name Basin Dakota / Blanco Mesaverde
*Property Code 7460	*Property Name SAN JUAN 28-5 UNIT		*Well Number 81N
*OGRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY, LP		*Elevation 6913'

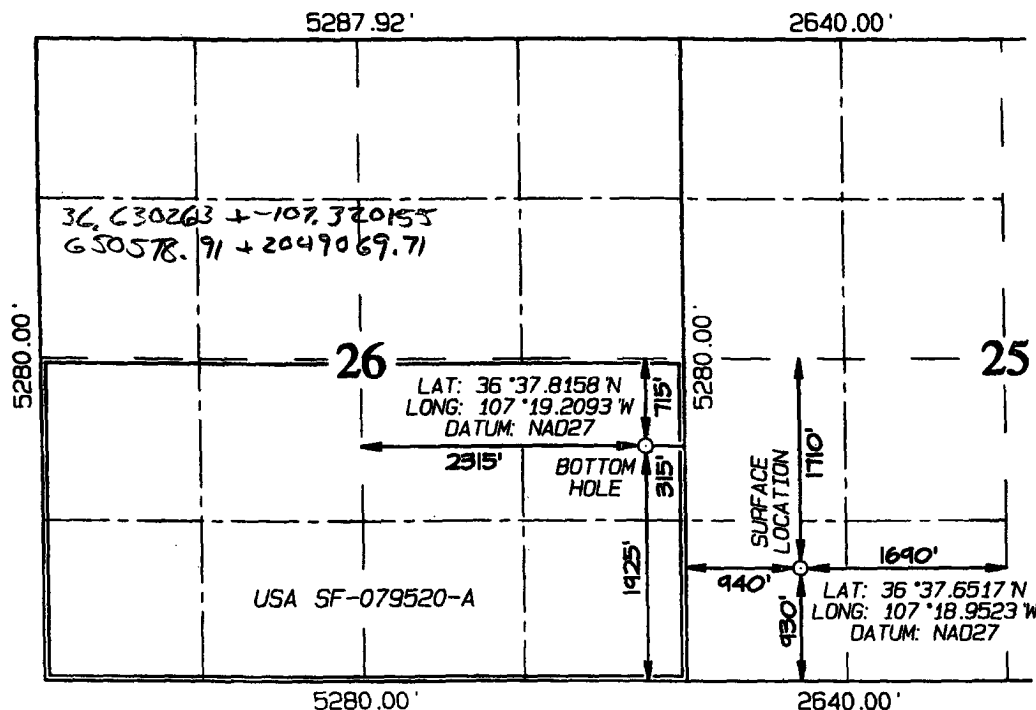
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	25	28N	5W		930	SOUTH	940	WEST	RIO ARriba

¹¹ Bottom Hole Location If Different From Surface

U. or lot no. I	Section 26	Township 28N	Range 5W	Lot Idn	Feet from the 1925	North/South line SOUTH	Feet from the 315	East/West line EAST	County RIO ARRIBA
²² Dedicated Acres 320 acres S/2					²³ Joint or Infill	²⁴ Consolidation Code	²⁵ 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



36,6275281 - 107.315872
651841.02 + 2048070.70

17 OPERATOR CERTIFICATION

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

Patsy Clugston
Signature

Patsy Clugston

Printed Name

Sr. Regulatory Specialist

Title

4-11-06

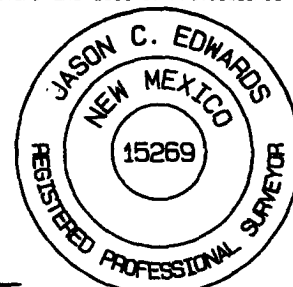
Date _____

18 SURVEYOR CERTIFICATION

I hereby certify that the wall 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.

Date Revised: NOVEMBER 16, 2005
Survey Date: SEPTEMBER 8, 2003

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269

SAN JUAN 28-5 UNIT #81N OPERATIONS PLAN

Well Name: SAN JUAN 28-5 UNIT #81N

Objective: Blanco Mesa Verde/Basin Dakota

Location: Rio Arriba NM

Elevation: 6913'

Surface Coordinates/Footages

Bottom Hole Coordinates/Footages

T - 28 N R - 5 W Sec.: 25
930' FSL 940' FWL
Latitude: 36° 37.6517' N
Longitude: 107° 18.9523' W

T - 28 N R - 5 W Sec.: 26
1925' FSL 315' FEL
Latitude: 36° 37.8158' N
Longitude: 107° 19.2093' W

<u>Formation</u>	<u>Top (TMD)</u>	<u>Top (TVD)</u>	<u>Contents</u>
Surface	San Jose	San Jose	
Ojo Alamo	3362'	3162'	aquifer
Kirtland	3546'	3344'	gas
Fruitland	3810'	3589'	gas
Pictured Cliffs	4060'	3821'	gas
Lewis	4267'	4013'	gas
Huerfanito Bentonite	4717'	4430'	gas
Chacra	5077'	4780'	gas
Upper Cliff House	5685'	5387'	gas
Massive Cliff House	5886'	5588'	gas
Menefee	5944'	5646'	gas
Massive Point Lookout	6270'	5972'	gas
Mancos Shale	6828'	6530'	gas
Upper Gallup	7516'	7218'	gas
Greenhorn	8222'	7924'	gas
Graneros	8178'	7880'	gas
Two Wells	8338'	8040'	gas
Upper Cubero	8430'	8132'	gas
Lower Cubero	8489'	8191'	gas
Oak Canyon	8539'	8241'	gas
Encinal	8574'	8276'	gas
Total Depth:	8574'	8276'	gas

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

<u>Mud Program:</u>	<u>Interval (TMD)</u>	<u>Type</u>	<u>Weight (ppg)</u>	<u>Vis. (s/qt)</u>	<u>Fluid Loss (cc/30min)</u>
	0' - 320'	Spud	8.4-9.0	40-50	No control
	320' - 5228'	Non-dispersed	8.4-9.0	30-60	Less than 8
	5228' - 8574'	Air/Air Mist/Nitrogen	n/a	n/a	n/a

<u>Casing program:</u>	<u>Interval (TMD)</u>	<u>Hole Size</u>	<u>Casing Size</u>	<u>Weight</u>	<u>Grade</u>
	0' - 320'	12 1/4"	9 5/8"	32.3#	H-40
	320' - 5228'	8 3/4"	7"	23.0#	L-80
	5228' - 8574'	6 1/4"	4 1/2"	11.6#	L-80

<u>Tubing program:</u>	<u>Interval (TMD)</u>	<u>Hole Size</u>	<u>Casing Size</u>	<u>Weight</u>	<u>Grade</u>
	0' - 8574'	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: See Plot #1

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 308.39 degrees. The end of the build will be at a TVD of 936', a TMD of 949', a reach of 103', and an inclination of 21.97 degrees. This angle and azimuth will be held to a TVD of 4394', a TMD of 4678', and a reach of 1488'. 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 4930', a TMD of 5228', a reach of 1592', 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 8276' (TMD of 8574'). 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% CaCl₂ 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 1055 cu.ft. (495 sks) Premium Lite w/ 3% CaCl₂, 0.25 pps Cello-Flake, 5 pps LCM-1, 0.4% FL-52 and 0.4% SMS (2.13 sks/ft³). Tail with 124 ft³ (90 sks) Type III cmt. w/ 1% CaCl₂, 0.25 pps Cello-Flake and 0.2% FL-52 (1.38 sks/ft³). 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 458 cu.ft. (231 sks) Premium Lite HS FM + 0.25pps Cello-Flake, 0.3% CD-32, 6.25pps LCM-1, 1% FL-52 (1.98 sks/ft³.)

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

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).

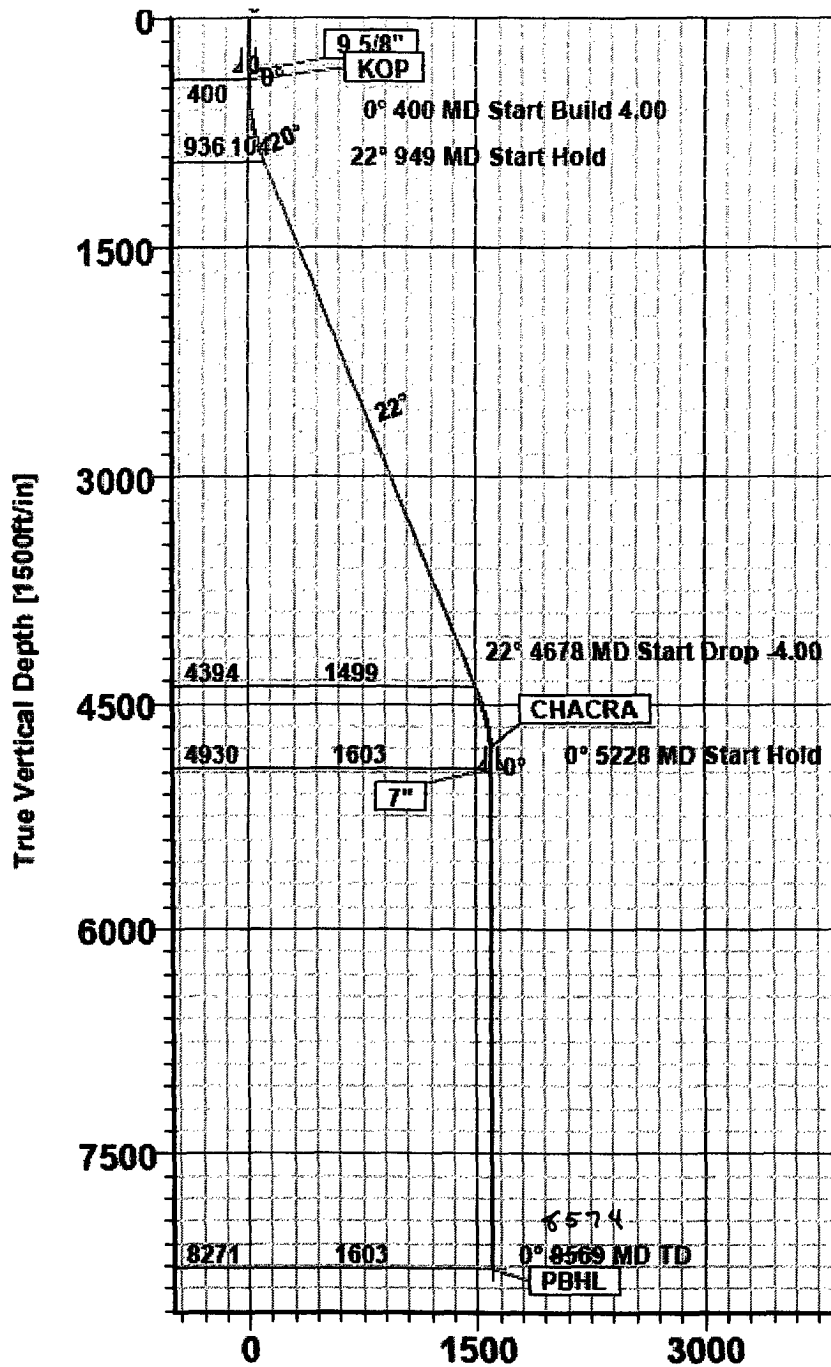
Prior to drilling out surface casing, test BOPE and casing to 600 psi for 30 minutes.

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 not yet dedicated.
- 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.



Plot # 1: SAN JUAN 28-5 UNIT #81N

Drilling Engineer *Daniel Braxton*

4/6/06
Date

Burlington

2006 DD

28-5 Section 26

28-5 81N

28-5 81N

Plan: 28-5 81N

Standard Planning Report

06 April, 2006

Burlington Resources Oil & Gas Company LI

Planning Report

Database: EDM 2003.11 Single User Db
Company: Burlington
Project: 2006 DD
Site: 28-5 Section 26
Well: 28-5 81N
Wellbore: 28-5 81N
Design: 28-5 81N

Local Co-ordinate Reference: Well 28-5 81N
TVD Reference: WELL @ 6925.0ft (Original Well Elev)
MD Reference: WELL @ 6925.0ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature

Project	2006 DD, San Juan Basin		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico West 3003		

Site	28-5 Section 26		
Site Position:		Northing:	2,048,080.80ft
From:	Map	Easting:	651,841.02ft
Position Uncertainty:	0.0 ft	Slot Radius:	9-13/16"
		Latitude:	36° 37' 39.101" N
		Longitude:	107° 18' 57.139" W
		Grid Convergence:	0.31 °

Well	28-5 81N		
Well Position	+N/-S	0.0 ft	Northing: 2,048,080.80 ft
	+E/-W	0.0 ft	Easting: 651,841.02 ft
Position Uncertainty	0.0 ft	Wellhead Elevation:	6,925.0 ft
		Latitude:	36° 37' 39.101" N
		Longitude:	107° 18' 57.139" W
		Ground Level:	6,913.0 ft

Wellbore	28-5 81N				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2005	3/31/2006	10.29	63.55	51,243

Design	28-5 81N				
Audit Notes:					
Version:	Phase:	PROTOTYPE		Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction	
	(ft)	(ft)	(ft)	(°)	
	0.0	0.0	0.0	301.47	

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Bulld Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
400.0	0.00	0.00	400.0	0.0	0.0	0.00	0.00	0.00	0.00	
949.3	21.97	308.39	936.0	64.6	-81.6	4.00	4.00	0.00	0.00	
4,678.3	21.97	308.39	4,394.0	931.1	-1,175.2	0.00	0.00	0.00	0.00	
5,227.6	0.00	0.00	4,930.0	995.7	-1,256.8	4.00	-4.00	0.00	180.00	28-5 81N IC
8,573.6	0.00	0.00	8,276.0	995.7	-1,256.8	0.00	0.00	0.00	0.00	28-5 81N TD

Burlington Resources Oil & Gas Company LI

Planning Report

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MD Reference: WELL @ 6925.0ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	4.00	308.39	499.9	2.2	-2.7	3.5	4.00	4.00	0.00
600.0	8.00	308.39	599.4	8.7	-10.9	13.8	4.00	4.00	0.00
700.0	12.00	308.39	697.8	19.4	-24.5	31.1	4.00	4.00	0.00
800.0	16.00	308.39	794.8	34.5	-43.5	55.1	4.00	4.00	0.00
900.0	20.00	308.39	889.9	53.6	-67.7	85.8	4.00	4.00	0.00
949.3	21.97	308.39	936.0	64.6	-81.6	103.3	4.00	4.00	0.00
1,000.0	21.97	308.39	983.0	76.4	-96.4	122.1	0.00	0.00	0.00
1,100.0	21.97	308.39	1,075.7	99.6	-125.7	159.3	0.00	0.00	0.00
1,200.0	21.97	308.39	1,168.4	122.9	-155.1	196.4	0.00	0.00	0.00
1,300.0	21.97	308.39	1,261.2	146.1	-184.4	233.6	0.00	0.00	0.00
1,400.0	21.97	308.39	1,353.9	169.3	-213.7	270.7	0.00	0.00	0.00
1,500.0	21.97	308.39	1,446.6	192.6	-243.1	307.8	0.00	0.00	0.00
1,600.0	21.97	308.39	1,539.4	215.8	-272.4	345.0	0.00	0.00	0.00
1,700.0	21.97	308.39	1,632.1	239.0	-301.7	382.1	0.00	0.00	0.00
1,800.0	21.97	308.39	1,724.8	262.3	-331.0	419.3	0.00	0.00	0.00
1,900.0	21.97	308.39	1,817.6	285.5	-360.4	456.4	0.00	0.00	0.00
2,000.0	21.97	308.39	1,910.3	308.8	-389.7	493.6	0.00	0.00	0.00
2,100.0	21.97	308.39	2,003.0	332.0	-419.0	530.7	0.00	0.00	0.00
2,200.0	21.97	308.39	2,095.8	355.2	-448.4	567.9	0.00	0.00	0.00
2,300.0	21.97	308.39	2,188.5	378.5	-477.7	605.0	0.00	0.00	0.00
2,400.0	21.97	308.39	2,281.3	401.7	-507.0	642.1	0.00	0.00	0.00
2,500.0	21.97	308.39	2,374.0	424.9	-536.3	679.3	0.00	0.00	0.00
2,600.0	21.97	308.39	2,466.7	448.2	-565.7	716.4	0.00	0.00	0.00
2,700.0	21.97	308.39	2,559.5	471.4	-595.0	753.6	0.00	0.00	0.00
2,800.0	21.97	308.39	2,652.2	494.6	-624.3	790.7	0.00	0.00	0.00
2,900.0	21.97	308.39	2,744.9	517.9	-653.7	827.9	0.00	0.00	0.00
3,000.0	21.97	308.39	2,837.7	541.1	-683.0	865.0	0.00	0.00	0.00
3,100.0	21.97	308.39	2,930.4	564.3	-712.3	902.2	0.00	0.00	0.00
3,200.0	21.97	308.39	3,023.1	587.6	-741.6	939.3	0.00	0.00	0.00
3,300.0	21.97	308.39	3,115.9	610.8	-771.0	976.5	0.00	0.00	0.00
3,361.5	21.97	308.39	3,172.9	625.1	-789.0	999.3	0.00	0.00	0.00
Ojo Alamo									
3,400.0	21.97	308.39	3,208.6	634.1	-800.3	1,013.6	0.00	0.00	0.00
3,500.0	21.97	308.39	3,301.3	657.3	-829.6	1,050.7	0.00	0.00	0.00
3,546.0	21.97	308.39	3,344.0	668.0	-843.1	1,067.8	0.00	0.00	0.00
Kirtland									
3,600.0	21.97	308.39	3,394.1	680.5	-859.0	1,087.9	0.00	0.00	0.00
3,700.0	21.97	308.39	3,486.8	703.8	-888.3	1,125.0	0.00	0.00	0.00
3,800.0	21.97	308.39	3,579.6	727.0	-917.6	1,162.2	0.00	0.00	0.00
3,810.2	21.97	308.39	3,589.0	729.4	-920.6	1,166.0	0.00	0.00	0.00
Fruitland									
3,900.0	21.97	308.39	3,672.3	750.2	-946.9	1,199.3	0.00	0.00	0.00
4,000.0	21.97	308.39	3,765.0	773.5	-976.3	1,236.5	0.00	0.00	0.00
4,060.4	21.97	308.39	3,821.0	787.5	-994.0	1,258.9	0.00	0.00	0.00
Pictured Cliffs									
4,100.0	21.97	308.39	3,857.8	796.7	-1,005.6	1,273.6	0.00	0.00	0.00
4,200.0	21.97	308.39	3,950.5	819.9	-1,034.9	1,310.8	0.00	0.00	0.00

Burlington Resources Oil & Gas Company LI

Planning Report

Database: EDM 2003.11 Single User Db
Company: Burlington
Project: 2006 DD
Site: 28-5 Section 26
Well: 28-5 81N
Wellbore: 28-5 81N
Design: 28-5 81N

Local Co-ordinate Reference: Well 28-5 81N
TVD Reference: WELL @ 6925.0ft (Original Well Elev)
MD Reference: WELL @ 6925.0ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature

4,267.4	21.97	308.39	4,013.0	835.6	-1,054.7	1,335.8	0.00	0.00	0.00
Lewis									
4,300.0	21.97	308.39	4,043.2	843.2	-1,064.3	1,347.9	0.00	0.00	0.00
4,400.0	21.97	308.39	4,136.0	866.4	-1,093.6	1,385.1	0.00	0.00	0.00
4,500.0	21.97	308.39	4,228.7	889.7	-1,122.9	1,422.2	0.00	0.00	0.00
4,600.0	21.97	308.39	4,321.4	912.9	-1,152.2	1,459.3	0.00	0.00	0.00
4,678.3	21.97	308.39	4,394.0	931.1	-1,175.2	1,488.4	0.00	0.00	0.00
4,700.0	21.11	308.39	4,414.2	936.0	-1,181.5	1,496.3	4.00	-4.00	0.00
4,716.9	20.43	308.39	4,430.0	939.7	-1,186.1	1,502.3	4.00	-4.00	0.00
Huerfanito Bentonite									
4,800.0	17.11	308.39	4,508.7	956.4	-1,207.1	1,528.8	4.00	-4.00	0.00
4,900.0	13.11	308.39	4,605.2	972.5	-1,227.5	1,554.7	4.00	-4.00	0.00
5,000.0	9.11	308.39	4,703.3	984.5	-1,242.6	1,573.8	4.00	-4.00	0.00
5,077.3	6.01	308.39	4,780.0	990.8	-1,250.6	1,583.9	4.00	-4.00	0.00
Chacra									
5,100.0	5.11	308.39	4,802.6	992.2	-1,252.3	1,586.1	4.00	-4.00	0.00
5,200.0	1.11	308.39	4,902.4	995.5	-1,256.6	1,591.5	4.00	-4.00	0.00
5,227.6	0.00	0.00	4,930.0	995.7	-1,256.8	1,591.7	4.00	-4.00	0.00
28-5 81N IC									
5,684.6	0.00	0.00	5,387.0	995.7	-1,256.8	1,591.7	0.00	0.00	0.00
Upper Cliff House									
5,885.6	0.00	0.00	5,588.0	995.7	-1,256.8	1,591.7	0.00	0.00	0.00
Massive Cliff House									
5,943.6	0.00	0.00	5,646.0	995.7	-1,256.8	1,591.7	0.00	0.00	0.00
Menefee									
6,269.6	0.00	0.00	5,972.0	995.7	-1,256.8	1,591.7	0.00	0.00	0.00
Massive Point Lookout									
6,827.6	0.00	0.00	6,530.0	995.7	-1,256.8	1,591.7	0.00	0.00	0.00
Mancos									
7,515.6	0.00	0.00	7,218.0	995.7	-1,256.8	1,591.7	0.00	0.00	0.00
Gallup									
8,177.6	0.00	0.00	7,880.0	995.7	-1,256.8	1,591.7	0.00	0.00	0.00
Graneros									
8,221.6	0.00	0.00	7,924.0	995.7	-1,256.8	1,591.7	0.00	0.00	0.00
Greenhorn									
8,337.6	0.00	0.00	8,040.0	995.7	-1,256.8	1,591.7	0.00	0.00	0.00
Two Wells									
8,429.6	0.00	0.00	8,132.0	995.7	-1,256.8	1,591.7	0.00	0.00	0.00
Upper Cubero									
8,488.6	0.00	0.00	8,191.0	995.7	-1,256.8	1,591.7	0.00	0.00	0.00
Lower Cubero									
8,538.6	0.00	0.00	8,241.0	995.7	-1,256.8	1,591.7	0.00	0.00	0.00
Oak Canyon									
8,573.6	0.00	0.00	8,276.0	995.7	-1,256.8	1,591.7	0.00	0.00	0.00
Encinal - 28-5 81N TD									

Burlington Resources Oil & Gas Company LI

Planning Report

Database: EDM 2003.11 Single User Db
Company: Burlington
Project: 2006 DD
Site: 28-5 Section 26
Well: 28-5 81N
Wellbore: 28-5 81N
Design: 28-5 81N

Local Co-ordinate Reference: Well 28-5 81N
TVD Reference: WELL @ 6925.0ft (Original Well Elev)
MD Reference: WELL @ 6925.0ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S ft	+E/-W ft	Northing (ft)	Easting (ft)	Latitude	Longitude
28-5 81N IC - plan hits target - Point	0.00	0.00	4,930.0	995.7	-1,256.8	2,049,069.71	650,578.91	36° 37' 48.947" N 107° 19' 12.558" W	
28-5 81N TD - plan hits target - Point	0.00	0.00	8,276.0	995.7	-1,256.8	2,049,069.71	650,578.91	36° 37' 48.947" N 107° 19' 12.558" W	

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,361.5	3,162.0	Ojo Alamo		1.00	
3,546.0	3,344.0	Kirtland		0.00	
3,810.2	3,589.0	Fruitland		0.00	
4,060.4	3,821.0	Pictured Cliffs		0.00	
4,267.4	4,013.0	Lewis		0.00	
4,716.9	4,430.0	Huerfano Bentonite		0.00	
5,077.3	4,780.0	Chacra		0.00	
5,684.6	5,387.0	Upper Cliff House		0.00	
5,885.6	5,588.0	Massive Cliff House		0.00	
5,943.6	5,646.0	Menefee		0.00	
6,269.6	5,972.0	Massive Point Lookout		0.00	
6,827.6	6,530.0	Mancos		0.00	
7,515.6	7,218.0	Gallup		0.00	
8,177.6	7,880.0	Graneros		0.00	
8,221.6	7,924.0	Greenhorn		0.00	
8,337.6	8,040.0	Two Wells		0.00	
8,429.6	8,132.0	Upper Cubero		0.00	
8,488.6	8,191.0	Lower Cubero		0.00	
8,538.6	8,241.0	Oak Canyon		0.00	
8,573.6	8,276.0	Encinal		0.00	