

submitted in lieu of Form 3160-5
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RCVD FEB22'07
OIL CONS. DIV.
DIST. 3

Sundry Notices and Reports on Wells

2006 MAY 16 AM 7 35

1. Type of Well
GAS

RECEIVED
OTO FARMINGTON UNIT 16.

5. Lease Number
NMSF-080516B
If Indian, All. or
Tribe Name

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

7. Unit Agreement Name

3. Address & Phone No. of Operator

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

8. San Juan 28-5 Unit
Well Name & Number

9. SJ 28-5 Unit #31B
API Well No.

30-039-27823

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

Surface - Unit O, 785' FSL & 2380' FEL, Sec. 12, T28N, R5W

BH - Unit B, 575' FNL & 2130' TEL, Sec. 13, T28N, R5W

10. Field and Pool

Basin DK / Blanco MV

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
☒ Notice of Intent	☐ Abandonment ☒ Change of Plans ☐ Other
☐ 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

Burlington is proposing changes to the Operations Plan on the subject well. The kickoff point will be higher than previously proposed. See attached procedure.

HOLD C104 FOR *directional*
Survey +
BH survey

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

Signed Patsy Clugston Patsy Clugston Title Sr. Regulatory Specialist Date 5/15/06

(This space for Federal or State Office use)

APPROVED BY [Signature] Title AM Date 2/21/07
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.

NMOCDB

SAN JUAN 28-5 UNIT 31B OPERATIONS PLAN

Well Name: SAN JUAN 28-5 UNIT 31B

Objective: Blanco Mesa Verde/Basin Dakota

Location: Rio Arriba NM

Elevation: 7305'

Surface Coordinates/Footages

T - 28 N R - 5 W Sec.: 12
 785' FSL 2380' FEL
 Latitude: 36° 40.2360' N
 Longitude: 107° 18.4746' W

Bottom Hole Coordinates/Footages

T - 28 N R - 5 W Sec.: 13
 575' FNL 2130' FEL
 Latitude: 36° 40.0116' N
 Longitude: 107° 18.4230' W

<u>Formation</u>	<u>Top (TMD)</u>	<u>Top (TVD)</u>	<u>Contents</u>
Surface	San Jose	San Jose	
Ojo Alamo	3830'	3616'	aquifer
Kirtland	4008'	3781'	gas
Fruitland	4331'	4086'	gas
Pictured Cliffs	4540'	4290'	gas
Lewis	4621'	4371'	gas
Huerfanito Bentonite	5166'	4915'	gas
Chacra	5533'	5282'	gas
Upper Cliff House	6120'	5869'	gas
Massive Cliff House	6360'	6109'	gas
Menefee	6391'	6140'	gas
Massive Point Lookout	6689'	6438'	gas
Mancos Shale	7190'	6939'	gas
Upper Gallup	7918'	7667'	gas
Greenhorn	8658'	8407'	gas
Graneros	8715'	8464'	gas
Two Wells	8780'	8529'	gas
Upper Cubero	8835'	8584'	gas
Lower Cubero	8885'	8634'	gas
Oak Canyon	8955'	8704'	gas
Total Depth:	8970'	8719'	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' - 4822'	Non-dispersed	8.4-9.0	30-60	Less than 8
	4822' - 8970'	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' - 4822'	8 3/4"	7"	23.0#	L-80
	4822' - 8970'	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' - 8970'	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 3 degrees per 100' with an azimuth of 169.19 degrees. The end of the build will be at a TVD of 1115', a TMD of 1133', a reach of 139', and an inclination of 21.99 degrees. This angle and azimuth will be held to a TVD of 3856', a TMD of 4089', and a reach of 1246'. At this point the well will be drilled with a drop of 3 degrees per 100'. The end of the drop will be at a TVD of 4571', a TMD of 4822', a reach of 1385', 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 8719' (TMD of 8970'). 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 964 cu.ft. (453 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 565 cu.ft. (285 sks) Premium Lite HS FM + 0.25pps Cello-Flake, 0.3% CD-32, 6.25pps LCM-1, 1% FL-52 (1.98 sks/ft³.)

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).

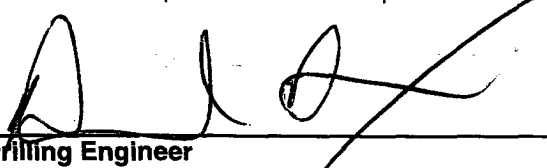
Prior to drilling out surface casing, test BOPE and casing to 600 psi for 30 minutes.

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.

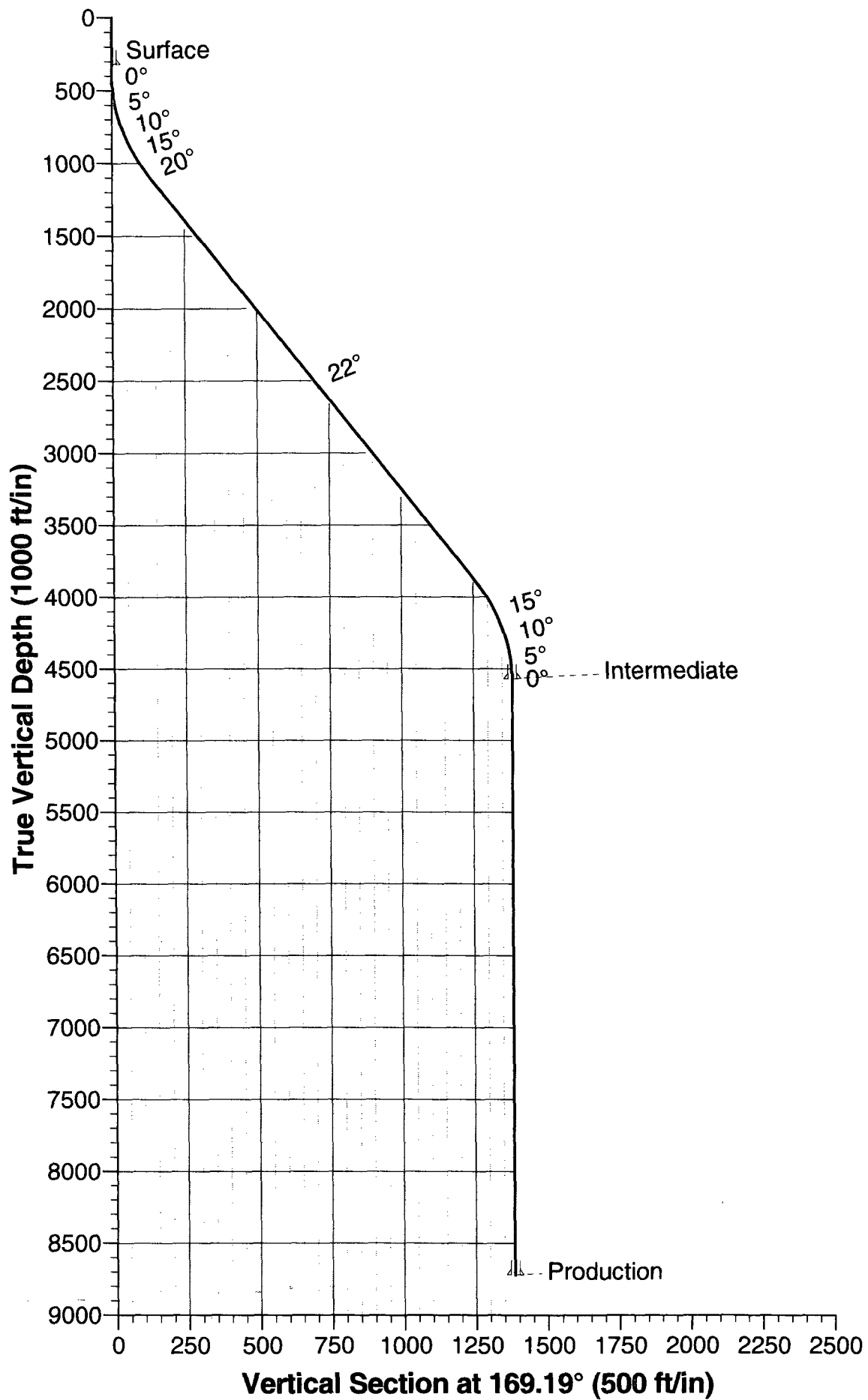
BOPE tests will be performed using an appropriately sized test plug and test pump and will be recorded using calibrated test gauges and a properly calibrated strip or chart recorder. The test will be recorded in the driller's log and will include a low pressure test requirement of 250 psig held for five 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:

- The gas is 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.


Drilling Engineer

5/11/06
Date



28-5 31B S-Curve

BurlingtonResources

SAN JUAN , NM

M-Pad

28-5 31B

28-5 31B

Plan: 28-5 31B S-Curve

Standard Planning Report

12 May, 2006

Burlington Resources Oil & Gas Company LI

Planning Report

Database:	EDM 2003.11 Single User Db	Local Co-ordinate Reference:	Well 28-5 31B
Company:	BurlingtonResources	TVD Reference:	WELL @ 7319.0ft (Original Well Elev)
Project:	SAN JUAN , NM	MD Reference:	WELL @ 7319.0ft (Original Well Elev)
Site:	M-Pad	North Reference:	Grid
Well:	28-5 31B	Survey Calculation Method:	Minimum Curvature
Wellbore:	28-5 31B		
Design:	28-5 31B S-Curve		

Project	SAN JUAN , NM, United States of America		
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	M-Pad		
Site Position:		Northing:	2,063,773.55 ft
From:	Map	Easting:	654,091.53 ft
Position Uncertainty:	0.0 ft	Slot Radius:	9-5/8"
		Latitude:	36° 40' 14.160" N
		Longitude:	107° 18' 28.476" W
		Grid Convergence:	0.31 °

Well	28-5 31B		
Well Position	+N/-S	0.0 ft	Northing: 2,063,773.55 ft
	+E/-W	0.0 ft	Easting: 654,091.53 ft
Position Uncertainty	0.0 ft	Wellhead Elevation:	7,319.0 ft
		Latitude:	36° 40' 14.160" N
		Longitude:	107° 18' 28.476" W
		Ground Level:	7,305.0 ft

Wellbore	28-5 31B		
Magnetics	Model Name	Sample Date	Declination
	IGRF200510	4/12/2006	(°)
			10.31
			Dip Angle
			(°)
			63.61
			Field Strength
			(nT)
			51,279

Design	28-5 31B S-Curve		
Audit Notes:			
Version:	Phase:	PROTOTYPE	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(ft)	(ft)	(ft)
	0.0	0.0	0.0
			Direction
			(°)
			169.19

Plan Sections										
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Dogleg	Build	Turn	TFO	Target
Depth	(°)	(°)	Depth	(ft)	(ft)	Rate	Rate	Rate	(°)	
(ft)			(ft)			(°/100ft)	(°/100ft)	(°/100ft)		
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	
1,133.0	21.99	169.19	1,115.2	-136.5	26.1	3.00	3.00	0.00	0.00	
4,088.7	21.99	169.19	3,855.8	-1,223.7	233.6	0.00	0.00	0.00	0.00	
4,821.8	0.00	0.00	4,571.0	-1,360.2	259.7	3.00	-3.00	0.00	180.00	31B IC
8,969.8	0.00	0.00	8,719.0	-1,360.2	259.7	0.00	0.00	0.00	0.00	31B TD

Burlington Resources Oil & Gas Company LI

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Project:	SAN JUAN , NM	MD Reference:	WELL @ 7319.0ft (Original Well Elev)
Site:	M-Pad	North Reference:	Grid
Well:	28-5 31B	Survey Calculation Method:	Minimum Curvature
Wellbore:	28-5 31B		
Design:	28-5 31B S-Curve		

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
320.0	0.00	0.00	320.0	0.0	0.0	0.0	0.00	0.00	0.00
Surface									
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	3.00	169.19	500.0	-2.6	0.5	2.6	3.00	3.00	0.00
600.0	6.00	169.19	599.6	-10.3	2.0	10.5	3.00	3.00	0.00
700.0	9.00	169.19	698.8	-23.1	4.4	23.5	3.00	3.00	0.00
800.0	12.00	169.19	797.1	-41.0	7.8	41.7	3.00	3.00	0.00
900.0	15.00	169.19	894.3	-63.9	12.2	65.1	3.00	3.00	0.00
1,000.0	18.00	169.19	990.2	-91.8	17.5	93.5	3.00	3.00	0.00
1,100.0	21.00	169.19	1,084.4	-124.6	23.8	126.9	3.00	3.00	0.00
1,133.0	21.99	169.19	1,115.2	-136.5	26.1	139.0	3.00	3.00	0.00
1,200.0	21.99	169.19	1,177.3	-161.1	30.8	164.0	0.00	0.00	0.00
1,300.0	21.99	169.19	1,270.0	-197.9	37.8	201.5	0.00	0.00	0.00
1,400.0	21.99	169.19	1,362.7	-234.7	44.8	238.9	0.00	0.00	0.00
1,500.0	21.99	169.19	1,455.4	-271.5	51.8	276.4	0.00	0.00	0.00
1,600.0	21.99	169.19	1,548.2	-308.3	58.9	313.8	0.00	0.00	0.00
1,700.0	21.99	169.19	1,640.9	-345.0	65.9	351.3	0.00	0.00	0.00
1,800.0	21.99	169.19	1,733.6	-381.8	72.9	388.7	0.00	0.00	0.00
1,900.0	21.99	169.19	1,826.3	-418.6	79.9	426.2	0.00	0.00	0.00
2,000.0	21.99	169.19	1,919.1	-455.4	86.9	463.6	0.00	0.00	0.00
2,100.0	21.99	169.19	2,011.8	-492.2	94.0	501.0	0.00	0.00	0.00
2,200.0	21.99	169.19	2,104.5	-528.9	101.0	538.5	0.00	0.00	0.00
2,300.0	21.99	169.19	2,197.2	-565.7	108.0	575.9	0.00	0.00	0.00
2,400.0	21.99	169.19	2,290.0	-602.5	115.0	613.4	0.00	0.00	0.00
2,500.0	21.99	169.19	2,382.7	-639.3	122.1	650.8	0.00	0.00	0.00
2,600.0	21.99	169.19	2,475.4	-676.1	129.1	688.3	0.00	0.00	0.00
2,700.0	21.99	169.19	2,568.1	-712.9	136.1	725.7	0.00	0.00	0.00
2,800.0	21.99	169.19	2,660.8	-749.6	143.1	763.2	0.00	0.00	0.00
2,900.0	21.99	169.19	2,753.6	-786.4	150.1	800.6	0.00	0.00	0.00
3,000.0	21.99	169.19	2,846.3	-823.2	157.2	838.1	0.00	0.00	0.00
3,100.0	21.99	169.19	2,939.0	-860.0	164.2	875.5	0.00	0.00	0.00
3,200.0	21.99	169.19	3,031.7	-896.8	171.2	913.0	0.00	0.00	0.00
3,300.0	21.99	169.19	3,124.5	-933.5	178.2	950.4	0.00	0.00	0.00
3,400.0	21.99	169.19	3,217.2	-970.3	185.3	987.9	0.00	0.00	0.00
3,500.0	21.99	169.19	3,309.9	-1,007.1	192.3	1,025.3	0.00	0.00	0.00
3,600.0	21.99	169.19	3,402.6	-1,043.9	199.3	1,062.7	0.00	0.00	0.00
3,700.0	21.99	169.19	3,495.4	-1,080.7	206.3	1,100.2	0.00	0.00	0.00
3,800.0	21.99	169.19	3,588.1	-1,117.5	213.3	1,137.6	0.00	0.00	0.00
3,830.1	21.99	169.19	3,616.0	-1,128.5	215.5	1,148.9	0.00	0.00	0.00
Ojo Alamo									
3,900.0	21.99	169.19	3,680.8	-1,154.2	220.4	1,175.1	0.00	0.00	0.00
4,000.0	21.99	169.19	3,773.5	-1,191.0	227.4	1,212.5	0.00	0.00	0.00
4,008.0	21.99	169.19	3,781.0	-1,194.0	228.0	1,215.5	0.00	0.00	0.00
Kirtland									
4,088.7	21.99	169.19	3,855.8	-1,223.7	233.6	1,245.8	0.00	0.00	0.00
4,100.0	21.65	169.19	3,866.3	-1,227.8	234.4	1,249.9	3.00	-3.00	0.00
4,200.0	18.65	169.19	3,960.1	-1,261.6	240.9	1,284.4	3.00	-3.00	0.00
4,300.0	15.65	169.19	4,055.7	-1,290.6	246.4	1,313.9	3.00	-3.00	0.00

Burlington Resources Oil & Gas Company LI

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Wellbore:	28-5 31B		
Design:	28-5 31B S-Curve		

4,331.4	14.71	169.19	4,086.0	-1,298.7	247.9	1,322.1	3.00	-3.00	0.00
Fruitland									
4,400.0	12.65	169.19	4,152.6	-1,314.6	251.0	1,338.3	3.00	-3.00	0.00
4,500.0	9.65	169.19	4,250.7	-1,333.6	254.6	1,357.7	3.00	-3.00	0.00
4,539.8	8.46	169.19	4,290.0	-1,339.7	255.8	1,363.9	3.00	-3.00	0.00
Plc Cliffs									
4,600.0	6.65	169.19	4,349.7	-1,347.5	257.3	1,371.9	3.00	-3.00	0.00
4,621.4	6.01	169.19	4,371.0	-1,349.8	257.7	1,374.2	3.00	-3.00	0.00
Lewis									
4,700.0	3.65	169.19	4,449.3	-1,356.3	259.0	1,380.8	3.00	-3.00	0.00
4,800.0	0.65	169.19	4,549.2	-1,360.0	259.7	1,384.6	3.00	-3.00	0.00
4,821.8	0.00	0.00	4,571.0	-1,360.2	259.7	1,384.7	3.00	-3.00	0.00
Intermediate - 31B IC									
5,165.8	0.00	0.00	4,915.0	-1,360.2	259.7	1,384.7	0.00	0.00	0.00
Huerfano Bentonite									
5,532.8	0.00	0.00	5,282.0	-1,360.2	259.7	1,384.7	0.00	0.00	0.00
Chacra									
6,119.8	0.00	0.00	5,869.0	-1,360.2	259.7	1,384.7	0.00	0.00	0.00
Up. Cliff House									
6,359.8	0.00	0.00	6,109.0	-1,360.2	259.7	1,384.7	0.00	0.00	0.00
Mass. Cliff House									
6,390.8	0.00	0.00	6,140.0	-1,360.2	259.7	1,384.7	0.00	0.00	0.00
Menefee									
6,688.8	0.00	0.00	6,438.0	-1,360.2	259.7	1,384.7	0.00	0.00	0.00
Point Lookout									
7,189.8	0.00	0.00	6,939.0	-1,360.2	259.7	1,384.7	0.00	0.00	0.00
Mancos Shale									
7,917.8	0.00	0.00	7,667.0	-1,360.2	259.7	1,384.7	0.00	0.00	0.00
Gallup									
8,657.8	0.00	0.00	8,407.0	-1,360.2	259.7	1,384.7	0.00	0.00	0.00
Greenhorn									
8,714.8	0.00	0.00	8,464.0	-1,360.2	259.7	1,384.7	0.00	0.00	0.00
Graneros									
8,779.8	0.00	0.00	8,529.0	-1,360.2	259.7	1,384.7	0.00	0.00	0.00
Two Wells									
8,834.8	0.00	0.00	8,584.0	-1,360.2	259.7	1,384.7	0.00	0.00	0.00
Up. Cubero									
8,884.8	0.00	0.00	8,634.0	-1,360.2	259.7	1,384.7	0.00	0.00	0.00
Lower cubero									
8,954.8	0.00	0.00	8,704.0	-1,360.2	259.7	1,384.7	0.00	0.00	0.00
Oak canyon									
8,969.8	0.00	0.00	8,719.0	-1,360.2	259.7	1,384.7	0.00	0.00	0.00
Production - 31B TD									

Targets										
Target Name	hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape		(°)	(°)	(ft)	ft	ft	(ft)	(ft)		
31B TD		0.00	0.00	8,719.0	-1,360.2	259.7	2,062,413.40	654,351.21	36° 40' 00.696" N	107° 18' 25.380" W
- plan hits target										
- Point										
31B IC		0.00	0.00	4,571.0	-1,360.2	259.7	2,062,413.40	654,351.21	36° 40' 00.696" N	107° 18' 25.380" W
- plan hits target										
- Point										

Burlington Resources Oil & Gas Company LI

Planning Report

Database:	EDM 2003.11 Single User Db	Local Co-ordinate Reference:	Well 28-5 31B
Company:	BurlingtonResources	TVD Reference:	WELL @ 7319.0ft (Original Well Elev)
Project:	SAN JUAN , NM	MD Reference:	WELL @ 7319.0ft (Original Well Elev)
Site:	M-Pad	North Reference:	Grid
Well:	28-5 31B	Survey Calculation Method:	Minimum Curvature
Wellbore:	28-5 31B		
Design:	28-5 31B S-Curve		

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")	
320.0	320.0	Surface	9-5/8	12-1/4	
4,821.8	4,571.0	Intermediate	7	8-3/4	
8,969.7	8,718.9	Production	4-1/2	6-1/4	

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
3,830.1	3,616.0	Ojo Alamo		0.00	359.98	
4,008.0	3,781.0	Kirtland		0.00	359.98	
4,331.4	4,086.0	Fruitland		0.00	359.98	
4,539.8	4,290.0	Pic Cliffs		0.00	359.98	
4,621.4	4,371.0	Lewis		0.00	359.98	
5,165.8	4,915.0	Huerfano Bentonite		0.00	359.98	
5,532.8	5,282.0	Chacra		0.00	359.98	
6,119.8	5,869.0	Up. Cliff House		0.00	359.98	
6,359.8	6,109.0	Mass. Cliff House		0.00	359.98	
6,390.8	6,140.0	Menefee		0.00	359.98	
6,688.8	6,438.0	Point Lookout		0.00	359.98	
7,189.8	6,939.0	Mancos Shale		0.00	359.98	
7,917.8	7,667.0	Gallup		0.00	359.98	
8,657.8	8,407.0	Greenhorn		0.00	359.98	
8,714.8	8,464.0	Graneros		0.00	359.98	
8,779.8	8,529.0	Two Wells		0.00	359.98	
8,834.8	8,584.0	Up. Cubero		0.00	359.98	
8,884.8	8,634.0	Lower cubero		0.00	359.98	
8,954.8	8,704.0	Oak canyon		0.00	359.98	