submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

2007 AUG -1 PM 3:45

RECEIVED
BLM
210 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**
Sec., T--N, R--W, NMPM

Unit O (SWSE) 785' FSL & 2380' FEL, Sec.12, T28N, R5W NMPM
Unit B (NWNE) 710' FNL & 2130' FEL, Sec. 13 T28N, R5W NMPM

5. **Lease Number**
NMSF-~~080816-B~~ 080516B

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

7. **Unit Agreement Name**
San Juan 28-5 Unit

8. **Well Name & Number**
San Juan 28-5 Unit 31B

9. **API Well No.**
30-039-27823

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	Change of Plans	X Other Intermediate Depth
	Recompletion	New Construction	
Subsequent Report	Plugging	Non-Routine Fracturing	
	Casing Repair	Water Shut off	
Final Abandonment	Altering Casing	Conversion to Injection	

13. Describe Proposed or Completed Operations

Change in well design;

8/1/07 ConocoPhillips respectfully requests to change the intermediate shoe depth. The APD was approved to set the intermediate Shoe at 4521' TVD. We would like to set the shoe at 5382' TVD/5634' TMD in order to reduce the inclination angle on the tangent section of the intermediate hole.

RCVD AUG 7 '07
OIL CONS. DIV.

Please see attached drilling prog and directional plan.

DIST. 3

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

Signed Tracey N. Monroe Tracey N. Monroe Title Regulatory Technician Date 8/1/07

(This space for Federal or State Office use)
APPROVED BY Troy L Salyers Title Petroleum Engineer Date 8/31/2007
CONDITION OF APPROVAL, if any:

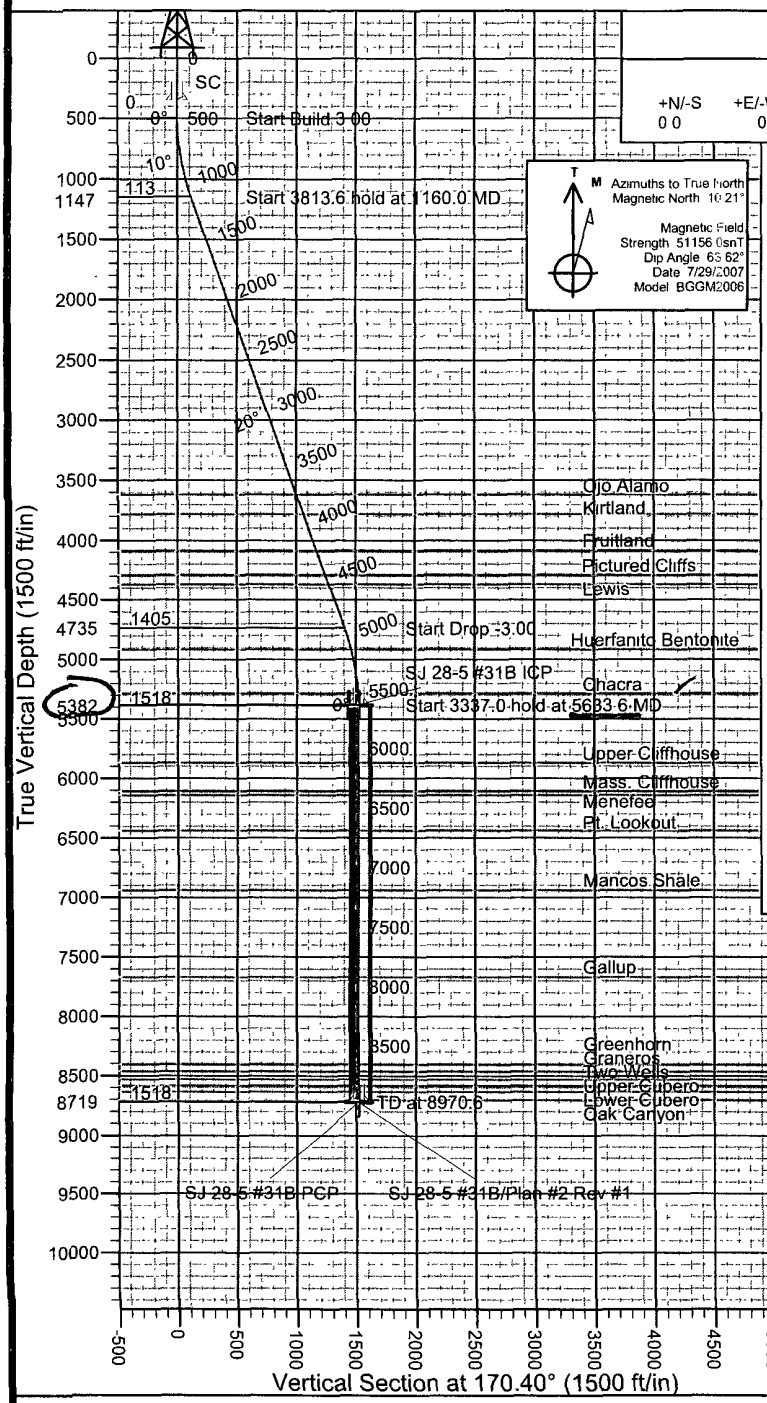
Title 18 U S C Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

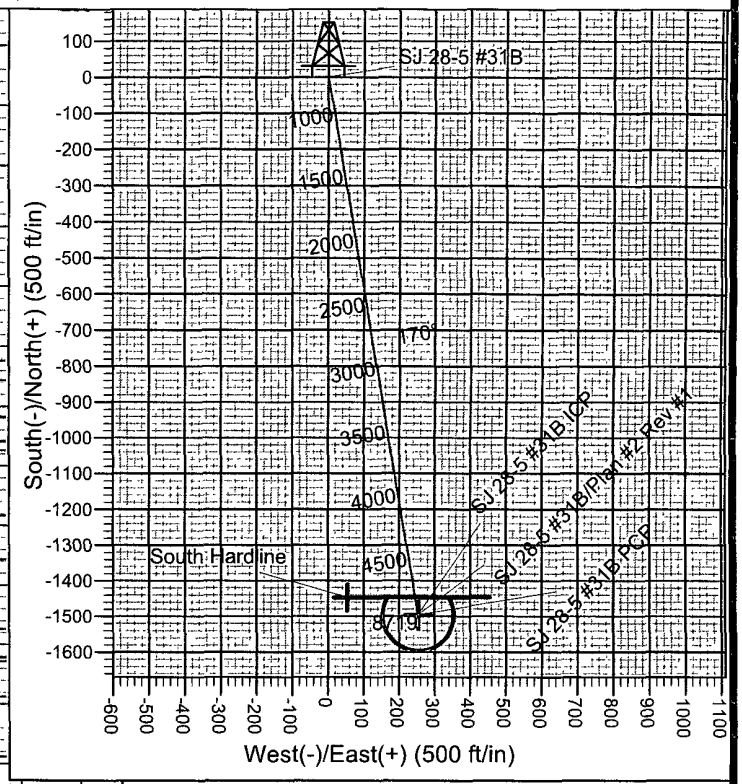
NMOCD

Scientific Drilling
Directional Drilling Operations

Project: SAN JUAN BASIN
Site: SEC 12-T28N-R5W
Well: SJ 28-5 #31B
Wellbore: OH
Design: Plan #2 Rev #1

ConocoPhillips





WELL DETAILS: SJ 28-5 #31B

+N/-S	+E/-W	Northing	Easting	Ground Level 7305.0 Latitude	Longitude	Slot
0.0	0.0	2063774.15	654091.04	36° 40' 14.166 N	107° 18' 28.482 W	

PROJECT DETAILS: SAN JUAN BASIN

Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico West 3003
System Datum: Mean Sea Level

SITE DETAILS: SEC 12-T28N-R5W

Site Centre Latitude: 36° 40' 14.586 N
Longitude: 107° 18' 29.658 W
Positional Uncertainty: 7.5
Convergence: 0.31
Local North: True

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well SJ 28-5 #31B, True North
Vertical (TVD) Reference: RKB @ 7320.0ft (AWS 730)
Section (VS) Reference: Slot - (0.0N, 0.0E)
Measured Depth Reference: RKB @ 7320.0ft (AWS 730)
Calculation Method: Minimum Curvature

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	500.0	0.00	0.00	500.0	0.0	0.0	0.00	0.00	0.0	
3	1160.0	19.80	170.40	1146.9	-111.3	18.8	3.00	170.40	112.9	
4	4973.6	19.80	170.40	4735.1	-1385.0	234.4	0.00	0.00	1404.7	
5	5633.6	0.00	0.00	5382.0	-1496.3	253.2	3.00	180.00	1517.6	SJ 28-5 #31B ICP
6	8970.6	0.00	0.00	8719.0	-1496.3	253.2	0.00	0.00	1517.6	SJ 28-5 #31B PCP

WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
SJ 28-5 #31B ICP	5382.0	-1496.3	253.2	2062279.34	654352.41	36° 39' 59.370 N	107° 18' 25.374 W	Circle (Radius: 100.0)
South Hardline	5382.0	-1446.3	53.2	2062328.24	654152.15	36° 39' 59.865 N	107° 18' 27.829 W	Polygon
SJ 28-5 #31B PCP	8719.0	-1496.3	253.2	2062279.34	654352.41	36° 39' 59.370 N	107° 18' 25.374 W	Circle (Radius: 100.0)

Scientific Drilling
Directional Drilling Operations

ConocoPhillips

SAN JUAN BASIN
SEC 12-T28N-R5W
SJ 28-5 #31B
OH

Plan: Plan #2 Rev #1

Standard Planning Report

30 July, 2007

ConocoPhillips

Database:	EDM 2003.16 Single User Db	**Local Co-ordinate Reference:**	Well SJ 28-5 #31B
Company:	ConocoPhillips	**TVD Reference:**	RKB @ 7320.0ft (AWS 730)
Project:	SAN JUAN BASIN	**MD Reference:**	RKB @ 7320.0ft (AWS 730)
Site:	SEC 12-T28N-R5W	**North Reference:**	True
Well:	SJ 28-5 #31B	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2 Rev #1		

Project SAN JUAN BASIN, NEW MEXICO

Map System:	US State Plane 1927 (Exact solution)	**System Datum:**	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		Using Well Reference Point
Map Zone:	New Mexico West 3003		Using geodetic scale factor

Site SEC 12-T28N-R5W

Site Position:		**Northing:**	2,063,816.10 ft	**Latitude:**	36° 40' 14.586 N
From:	Lat/Long	**Easting:**	653,995.00 ft	**Longitude:**	107° 18' 29 658 W
Position Uncertainty:	15.0 ft	**Slot Radius:**	12-1/4"	**Grid Convergence:**	0 31 °

Well SJ 28-5 #31B

Well Position	**+N/-S**	0.0 ft	**Northing:**	2,063,774.15 ft	**Latitude:**	36° 40' 14.166 N
	+E/-W	0.0 ft	**Easting:**	654,091.04 ft	**Longitude:**	107° 18' 28.482 W
Position Uncertainty		15 0 ft	**Wellhead Elevation:**	ft	**Ground Level:**	7,305.0 ft

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2006	7/29/2007	10.21	63 62	51,156

Design Plan #2 Rev #1

Audit Notes:

Version:		**Phase:**	PLAN	**Tie On Depth:**	0.0

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	170.40

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build 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	
500.0	0.00	0.00	500.0	0.0	0 0	0 00	0.00	0.00	0.00	
1,160 0	19 80	170 40	1,146.9	-111.3	18.8	3.00	3.00	0.00	170.40	
4,973 6	19.80	170.40	4,735.1	-1,385.0	234.4	0.00	0.00	0 00	0.00	
5,633 6	0.00	0.00	5,382.0	-1,496.3	253.2	3.00	-3.00	0 00	180 00	SJ 28-5 #31B ICP
8,970.6	0.00	0.00	8,719 0	-1,496.3	253.2	0.00	0.00	0 00	0 00	SJ 28-5 #31B PCP

Database:	EDM 2003.16 Single User Db	**Local Co-ordinate Reference:**	Well SJ 28-5 #31B
Company:	ConocoPhillips	**TVD Reference:**	RKB @ 7320.0ft (AWS 730)
Project:	SAN JUAN BASIN	**MD Reference:**	RKB @ 7320 0ft (AWS 730)
Site:	SEC 12-T28N-R5W	**North Reference:**	True
Well:	SJ 28-5 #31B	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2 Rev #1		

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
300 0	0.00	0.00	300 0	0.0	0 0	0 0	0.00	0.00	0.00
350 0	0.00	0.00	350.0	0.0	0.0	0.0	0.00	0.00	0 00
SC									
400 0	0.00	0.00	400 0	0.0	0.0	0.0	0.00	0 00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	3 00	170 40	600.0	-2.6	0.4	2.6	3.00	3.00	0.00
700.0	6.00	170.40	699.6	-10 3	1.7	10.5	3 00	3.00	0 00
800.0	9.00	170.40	798.8	-23 2	3.9	23.5	3.00	3.00	0.00
900 0	12.00	170.40	897.1	-41.2	7 0	41.7	3.00	3.00	0 00
1,000.0	15.00	170 40	994.3	-64.2	10.9	65.1	3.00	3 00	0.00
1,100 0	18.00	170 40	1,090.2	-92.2	15.6	93.5	3.00	3 00	0.00
1,160.0	19.80	170.40	1,146 9	-111.3	18.8	112.9	3 00	3 00	0.00
1,200.0	19.80	170.40	1,184.6	-124.7	21.1	126 5	0 00	0 00	0.00
1,300 0	19.80	170.40	1,278.7	-158.1	26.8	160 3	0.00	0.00	0.00
1,400 0	19.80	170.40	1,372.8	-191.5	32.4	194 2	0.00	0.00	0.00
1,500.0	19.80	170.40	1,466.8	-224.9	38.1	228.1	0.00	0.00	0 00
1,600.0	19.80	170.40	1,560.9	-258 3	43.7	261.9	0.00	0.00	0 00
1,700.0	19.80	170.40	1,655.0	-291.7	49 4	295.8	0.00	0 00	0.00
1,800.0	19.80	170.40	1,749.1	-325.1	55.0	329.7	0 00	0 00	0.00
1,900.0	19.80	170.40	1,843.2	-358.5	60 7	363.6	0.00	0 00	0.00
2,000.0	19.80	170.40	1,937.3	-391.9	66 3	397 4	0.00	0.00	0.00
2,100 0	19.80	170.40	2,031.4	-425.3	72 0	431 3	0 00	0 00	0.00
2,200.0	19.80	170.40	2,125.5	-458.7	77.6	465.2	0.00	0.00	0.00
2,300.0	19.80	170 40	2,219 6	-492.1	83.3	499.1	0 00	0.00	0.00
2,400.0	19.80	170 40	2,313 6	-525.5	88.9	532.9	0 00	0.00	0.00
2,500.0	19.80	170.40	2,407.7	-558.9	94.6	566.8	0.00	0.00	0 00
2,600.0	19.80	170.40	2,501.8	-592.3	100.2	600.7	0.00	0.00	0.00
2,700.0	19 80	170.40	2,595 9	-625.7	105.9	634.5	0.00	0.00	0.00
2,800.0	19.80	170.40	2,690 0	-659.1	111.5	668.4	0.00	0.00	0.00
2,900 0	19 80	170.40	2,784.1	-692.4	117.2	702 3	0 00	0.00	0.00
3,000.0	19.80	170.40	2,878.2	-725.8	122.8	736.2	0.00	0 00	0.00
3,100 0	19.80	170 40	2,972 3	-759.2	128.5	770.0	0.00	0 00	0.00
3,200.0	19.80	170.40	3,066.3	-792.6	134.1	803 9	0.00	0.00	0 00
3,300.0	19.80	170.40	3,160 4	-826.0	139.8	837 8	0 00	0 00	0.00
3,400.0	19.80	170.40	3,254 5	-859.4	145.4	871.7	0 00	0 00	0.00
3,500.0	19 80	170.40	3,348.6	-892.8	151.1	905.5	0.00	0 00	0.00
3,600.0	19.80	170.40	3,442.7	-926.2	156.7	939.4	0.00	0 00	0.00
3,700 0	19.80	170 40	3,536.8	-959.6	162.4	973.3	0 00	0.00	0.00
3,784.2	19.80	170.40	3,616.0	-987.7	167.1	1,001.8	0 00	0.00	0.00
Ojo Alamo									
3,800.0	19.80	170.40	3,630.9	-993.0	168.0	1,007.1	0.00	0.00	0.00
3,900 0	19.80	170.40	3,725.0	-1,026.4	173.7	1,041.0	0.00	0.00	0 00
3,959.6	19.80	170.40	3,781.0	-1,046.3	177.1	1,061.2	0.00	0.00	0 00
Kirtland									
4,000.0	19.80	170 40	3,819.1	-1,059.8	179.3	1,074 9	0.00	0.00	0.00
4,100.0	19.80	170 40	3,913 1	-1,093.2	185.0	1,108 8	0.00	0.00	0.00
4,200 0	19 80	170.40	4,007.2	-1,126.6	190.6	1,142.6	0.00	0.00	0.00
4,283.7	19.80	170.40	4,086 0	-1,154.6	195.4	1,171 0	0.00	0.00	0.00
Fruitland									
4,300.0	19.80	170.40	4,101 3	-1,160.0	196.3	1,176.5	0.00	0.00	0 00

Database:	EDM 2003.16 Single User Db	**Local Co-ordinate Reference:**	Well SJ 28-5 #31B
Company:	ConocoPhillips	**TVD Reference:**	RKB @ 7320.0ft (AWS 730)
Project:	SAN JUAN BASIN	**MD Reference:**	RKB @ 7320.0ft (AWS 730)
Site:	SEC 12-T28N-R5W	**North Reference:**	True
Well:	SJ 28-5 #31B	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2 Rev #1		

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)
4,400 0	19.80	170.40	4,195.4	-1,193.4	201.9	1,210.4	0.00	0.00	0.00
4,500 0	19 80	170 40	4,289 5	-1,226.8	207.6	1,244.3	0.00	0.00	0 00
4,500.5	19.80	170.40	4,290.0	-1,227.0	207.6	1,244.4	0.00	0.00	0.00
Pictured Cliffs									
4,586.6	19.80	170.40	4,371.0	-1,255.7	212.5	1,273.6	0 00	0 00	0.00
Lewis									
4,600.0	19 80	170.40	4,383 6	-1,260.2	213.3	1,278 1	0.00	0.00	0.00
4,700.0	19.80	170.40	4,477.7	-1,293.6	218.9	1,312.0	0.00	0.00	0.00
4,800.0	19.80	170.40	4,571.8	-1,327.0	224.6	1,345.9	0.00	0.00	0 00
4,900.0	19.80	170 40	4,665.9	-1,360 4	230.2	1,379.7	0.00	0 00	0.00
4,973.6	19.80	170.40	4,735.1	-1,385.0	234.4	1,404.7	0.00	0 00	0.00
5,000.0	19.01	170.40	4,760.0	-1,393.6	235.8	1,413.4	3.00	-3.00	0.00
5,100.0	16.01	170.40	4,855.4	-1,423.3	240.8	1,443.5	3 00	-3.00	0 00
5,161.8	14.15	170.40	4,915.0	-1,439.1	243.5	1,459.6	3.00	-3.00	0.00
Huerfanito Bentonite									
5,200.0	13 01	170.40	4,952 2	-1,448.0	245.0	1,468.6	3.00	-3.00	0.00
5,300.0	10 01	170.40	5,050.1	-1,467.7	248.4	1,488.5	3.00	-3.00	0.00
5,400.0	7.01	170.40	5,149.0	-1,482 2	250.8	1,503.3	3.00	-3.00	0.00
5,500.0	4.01	170 40	5,248.6	-1,491.7	252.4	1,512.9	3.00	-3.00	0.00
5,533.5	3.00	170.40	5,282.0	-1,493.7	252.8	1,515 0	3.00	-3.00	0 00
Chacra									
5,600.0	1.01	170.40	5,348.4	-1,496.0	253 2	1,517 3	3.00	-3.00	0.00
5,632.8	0 02	170.39	5,381.3	-1,496.3	253 2	1,517 6	3.00	-3.00	0.00
South Hardline									
5,633.6	0.00	0.00	5,382.0	-1,496.3	253.2	1,517.6	3.00	-3 00	-23,463 14
7" - SJ 28-5 #31B ICP									
5,700.0	0.00	0.00	5,448.4	-1,496.3	253.2	1,517.6	0.00	0.00	0 00
5,800.0	0.00	0.00	5,548.4	-1,496 3	253.2	1,517.6	0.00	0.00	0 00
5,900 0	0.00	0.00	5,648.4	-1,496 3	253.2	1,517.6	0.00	0.00	0.00
6,000 0	0 00	0.00	5,748.4	-1,496 3	253.2	1,517.6	0.00	0.00	0.00
6,100.0	0.00	0.00	5,848 4	-1,496.3	253.2	1,517.6	0 00	0.00	0.00
6,120 6	0 00	0.00	5,869 0	-1,496 3	253.2	1,517.6	0.00	0.00	0.00
Upper Cliffhouse									
6,200.0	0.00	0.00	5,948 4	-1,496.3	253.2	1,517.6	0 00	0 00	0.00
6,300.0	0.00	0.00	6,048 4	-1,496 3	253.2	1,517.6	0 00	0.00	0 00
6,360.6	0.00	0.00	6,109.0	-1,496.3	253.2	1,517.6	0 00	0 00	0.00
Mass. Cliffhouse									
6,391.6	0.00	0.00	6,140.0	-1,496 3	253.2	1,517.6	0.00	0.00	0.00
Menefee									
6,400.0	0.00	0.00	6,148 4	-1,496.3	253.2	1,517.6	0 00	0.00	0.00
6,500.0	0.00	0.00	6,248.4	-1,496 3	253.2	1,517.6	0.00	0 00	0.00
6,600 0	0 00	0 00	6,348.4	-1,496.3	253.2	1,517.6	0 00	0.00	0.00
6,689.6	0.00	0.00	6,438.0	-1,496 3	253.2	1,517.6	0.00	0.00	0 00
Pt. Lookout									
6,700 0	0.00	0.00	6,448.4	-1,496.3	253.2	1,517.6	0.00	0.00	0.00
6,800.0	0.00	0.00	6,548.4	-1,496 3	253 2	1,517.6	0.00	0.00	0.00
6,900 0	0.00	0.00	6,648.4	-1,496.3	253.2	1,517.6	0 00	0.00	0.00
7,000 0	0.00	0 00	6,748.4	-1,496 3	253.2	1,517.6	0.00	0.00	0.00
7,100.0	0 00	0.00	6,848.4	-1,496.3	253.2	1,517.6	0.00	0.00	0 00
7,190 6	0 00	0.00	6,939.0	-1,496.3	253.2	1,517.6	0.00	0.00	0.00
Mancos Shale									
7,200.0	0.00	0 00	6,948.4	-1,496.3	253.2	1,517.6	0 00	0.00	0.00

Database:	EDM 2003.16 Single User Db	**Local Co-ordinate Reference:**	Well SJ 28-5 #31B
Company:	ConocoPhillips	**TVD Reference:**	RKB @ 7320.0ft (AWS 730)
Project:	SAN JUAN BASIN	**MD Reference:**	RKB @ 7320 0ft (AWS 730)
Site:	SEC 12-T28N-R5W	**North Reference:**	True
Well:	SJ 28-5 #31B	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2 Rev #1		

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)
7,300.0	0 00	0.00	7,048.4	-1,496.3	253.2	1,517.6	0 00	0 00	0 00
7,400.0	0.00	0 00	7,148.4	-1,496 3	253.2	1,517 6	0 00	0.00	0.00
7,500.0	0.00	0.00	7,248.4	-1,496.3	253.2	1,517 6	0.00	0.00	0.00
7,600.0	0 00	0.00	7,348.4	-1,496.3	253 2	1,517.6	0.00	0 00	0 00
7,700.0	0 00	0.00	7,448.4	-1,496.3	253.2	1,517.6	0.00	0.00	0.00
7,800.0	0.00	0.00	7,548 4	-1,496.3	253.2	1,517.6	0.00	0.00	0.00
7,900.0	0.00	0.00	7,648 4	-1,496 3	253.2	1,517.6	0.00	0 00	0.00
7,918.6	0 00	0.00	7,667.0	-1,496.3	253.2	1,517.6	0.00	0.00	0 00
Gallup									
8,000 0	0.00	0.00	7,748 4	-1,496.3	253.2	1,517.6	0.00	0.00	0 00
8,100.0	0.00	0.00	7,848.4	-1,496.3	253 2	1,517.6	0.00	0.00	0.00
8,200.0	0.00	0.00	7,948 4	-1,496.3	253.2	1,517.6	0 00	0.00	0.00
8,300.0	0.00	0.00	8,048 4	-1,496.3	253.2	1,517.6	0.00	0.00	0.00
8,400.0	0.00	0.00	8,148.4	-1,496.3	253.2	1,517.6	0.00	0.00	0 00
8,500.0	0.00	0.00	8,248.4	-1,496.3	253.2	1,517.6	0.00	0.00	0 00
8,600.0	0.00	0.00	8,348.4	-1,496 3	253.2	1,517.6	0.00	0.00	0 00
8,658.6	0.00	0.00	8,407.0	-1,496 3	253.2	1,517.6	0.00	0 00	0.00
Greenhorn									
8,700.0	0.00	0.00	8,448.4	-1,496.3	253.2	1,517.6	0.00	0.00	0.00
8,715.6	0.00	0.00	8,464.0	-1,496.3	253.2	1,517.6	0.00	0.00	0.00
Graneros									
8,780.6	0.00	0 00	8,529.0	-1,496.3	253.2	1,517.6	0.00	0.00	0.00
Two Wells									
8,800.0	0.00	0.00	8,548 4	-1,496.3	253.2	1,517 6	0.00	0.00	0.00
8,835 6	0.00	0.00	8,584.0	-1,496.3	253 2	1,517 6	0.00	0 00	0 00
Upper Cubero									
8,885.6	0 00	0.00	8,634.0	-1,496.3	253.2	1,517.6	0.00	0.00	0.00
Lower Cubero									
8,900.0	0 00	0.00	8,648.4	-1,496.3	253.2	1,517 6	0.00	0.00	0.00
8,955.6	0.00	0 00	8,704.0	-1,496.3	253.2	1,517.6	0 00	0.00	0.00
Oak Canyon									
8,970.5	0.00	0.00	8,718.9	-1,496.3	253 2	1,517.6	0 00	0.00	0 00
4 1/2"									
8,970.6	0.00	0 00	8,719.0	-1,496.3	253 2	1,517 6	0 00	0 00	0.00
SJ 28-5 #31B PCP									

Database:	EDM 2003.16 Single User Db	**Local Co-ordinate Reference:**	Well SJ 28-5 #31B
Company:	ConocoPhillips	**TVD Reference:**	RKB @ 7320.0ft (AWS 730)
Project:	SAN JUAN BASIN	**MD Reference:**	RKB @ 7320 0ft (AWS 730)
Site:	SEC 12-T28N-R5W	**North Reference:**	True
Well:	SJ 28-5 #31B	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2 Rev #1		

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
South Hardline	0 00	0 00	5,382.0	-1,446.3	53 2	2,062,328.24	654,152.15	36° 39' 59 865 N	107° 18' 27.829 W
- plan misses by 206.2ft at 5633.5ft MD (5382.0 TVD, -1496.3 N, 253.2 E)									
- Polygon									
Point 1			5,382.0	-1,446.3	453.2	2,062,330.44	654,552.13		
Point 2			5,382 0	-1,446.3	52 2	2,062,328.24	654,151.15		
SJ 28-5 #31B ICP	0 00	0 00	5,382.0	-1,496.3	253.2	2,062,279 34	654,352.41	36° 39' 59 370 N	107° 18' 25.374 W
- plan hits target									
- Circle (radius 100.0)									
SJ 28-5 #31B PCP	0.00	0.00	8,719.0	-1,496.3	253.2	2,062,279.34	654,352.41	36° 39' 59.370 N	107° 18' 25.374 W
- plan hits target									
- Circle (radius 100 0)									

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
350.0	350.0	SC	9-5/8	12-1/4
5,633.6	5,382 0	7"	7	8-3/4
8,970.5	8,718.9	4 1/2"	4-1/2	6-1/4

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,784.2	3,616.0	Ojo Alamo		0.00	
3,959.6	3,781 0	Kirtland		0.00	
4,283.7	4,086.0	Fruitland		0 00	
4,500 5	4,290.0	Pictured Cliffs		0.00	
4,586.6	4,371.0	Lewis		0 00	
5,161.8	4,915.0	Huerfanito Bentonite		0 00	
5,533.5	5,282.0	Chacra		0 00	
6,120 6	5,869.0	Upper Cliffhouse		0.00	
6,360.6	6,109.0	Mass. Cliffhouse		0 00	
6,391.6	6,140.0	Menefee		0.00	
6,689.6	6,438.0	Pt Lookout		0 00	
7,190.6	6,939.0	Mancos Shale		0.00	
7,918.6	7,667.0	Gallup		0.00	
8,658.6	8,407.0	Greenhorn		0.00	
8,715.6	8,464.0	Graneros		0.00	
8,780.6	8,529.0	Two Wells		0.00	
8,835.6	8,584 0	Upper Cubero		0.00	
8,885.6	8,634.0	Lower Cubero		0.00	
8,955.6	8,704.0	Oak Canyon		0.00	

Burlington Resources

San Juan Division - Drilling Program

San Juan 28-5 Unit #31B

T - 28 N
R - 5 W
Sec 12

Objective: MV/DK New Drill
Footages: 785' FSL, 2380' FEL

Rig: AWS #730
GL: 7305'
KB: 7320'

BLM Phone # 505-599-8907
OCD Phone # 505-334-6178

API #	APD/BLM:
30-039-27823	2/21/2007
Network #	**AFE #**
10158959 (DK)	WAN ZA1 6568 (DK)
10154266 (MV)	WAN ZA1 6567 (MV)
Lease #	
NMSF-080516-B	
Like-Kind	**(248) Cost**
125 $/FT	$1,062,000
APD TMD:	**8971'**

In case of Major Emergency Call 911
Give the following information to Operator:

Well Name: San Juan 28-5 Unit #31B — County: Rio Arriba
Latitude: 36 degrees, 40 2361 minutes — State: NM
Longitude: 107 degrees, 18.4747 minutes

From the Post Office in Blanco, NM, travel east on Hwy 64 for 32.1 miles (milepost 105 6) to Forest Road 314. Turn right (southerly) on Forest Road 314 and travel 5 1 miles. Turn left (northerly) and travel 1.0 miles to the end of the road at the San Juan 28-5 Unit #102E location, on which the 102N will be drilled

Environmental, Health & Safety

"Opportunities are usually disguised as hard work, so most people don't recognize them " *Ann Landers* "Nothing is particularly hard if you divide it into small jobs " *Henry Ford*

	TRIR*	FAT	Restrict'd Duty	OSHA Rec	1st Aid
Goal	1	0	0	0	0
Actual (7/20/07)	2.82	1	6	17	73

* TRIR - Total Recordable Incident Rate per 200,000 man-hours

Environmental Goals:
- Zero Spills on Location
- Remove Trash from Roads and Locations

TVD	TMD	Geology	Hydraulics	Drlg Fluids
0'	0'	San Jose	12 1/4" Rotp	Spud Mud
350'	350'	SCP		
3616'	3784'	Ojo Alamo	8 3/4" HCM506Z 6-12's 8-15K WOB 420 GPM 65 RPM	Drill out from under surface w/ Clean Faze (Vis 33-35, WT 8.5-9 0 ppg, WL of 6-8 cc/30 min). Sweep hole with gel/fiber as needed. Don't hesitate to mud hole up!
3781'	3960'	Kirtland		
4086'	4284'	Fruitland		
4290'	4501'	Pictured Cliffs	Drill out from under surface with directional tools.	
4371'	4587'	Lewis	6-1/2" 7:8 3.0 stg 0.28 rev/gal SDI motor with stabs. for build and upper tangent sections	
4915'	5162'	Huerfanito Bentonite		
5282'	5534'	Chacra		@ TD make short wiper trip from TD to depth where stabbed motor was pulled
5382'	5634'	ICP		
5869'	6121'	Upper Cliff House	6-1/2" 7:8 3.0 stg 0.28 rev/gal slick SDI motor for lower tangent and drop sections	
6109'	6361'	Massive Cliff House		
6140'	6392'	Menefee		GPM range for motor 200-450 GPM
6438'	6690'	Point Lookout	New Diamond Air 6-1/4" Bit Marquis CV462 on Halco Hammer	Air/Nitrogen 1800 cfm 400 - 500 psi
6939'	7191'	Mancos		
7667'	7919'	Gallup	2-4 K WOB 30-40 RPM	Run 1-3 #/ft lube beads for friction if necessary
8407'	8659'	Greenhorn		
8464'	8716'	Graneros	Slow ROP before drilling into the top of Greenhorn Reduce WOB to 2,000 & RPM to 25	
8529'	8781'	Two Wells		Oxygen conc MUST be 8% or less while drilling prod hole section.
8584'	8836'	Cubero		
8634'	8886'	Lower Cubero		
8704'	8956'	Oak Canyon	If hole gets wet: Immediately start pulling drill string out of the hole & then contact the drilling superintendent.	
8719'	8971'	Total Depth		

Cement

Type III cement with 3% CaCl2 and 1/4 pps celloflake

280 sks	347 4 cu ft	15.2 ppg
1.28 cu ft/sk	5.77 gal per sk	200%

1-Stage Intermediate Cement Procedure

Preflush:
10 bbls FW, 10 bbls MF, 10 bbls FW

Scavenger
Premium Lite w/ 3% CaCl, 0.25 pps Cello-Flake,5 pps LCM-1, 0.4% FL-52 and 0.4% SMS.

20 sks	11 ppg	17.89 gal/sk
56.0 cu.ft	3.02 cu ft/sk	

Lead
Premium Lite w/ 3% CaCl, 0.25 pps Cello-Flake,5 pps LCM-1, 0.4% FL-52 and 0.4% SMS.

770 sks	12.1 ppg	11.29 gal per sk
1622.5 cu.ft	2.13 cu.ft/sk	125%

Tail
Type III cmt. w/ 1% CaCl, 0.25 pps Cello-Flake and 0.2% FL-52

130 sks	14.60 ppg	6.64 gal per sk
179 cu.ft	1.38 cu ft/sk	0%

Top of Tail @ 4506 88 ft TMD

If losses are incurred during drilling operations contact the office for two-stage cement procedure or an alternate single stage cement procedure.

Production Cement Procedure

Preflush: 10 bbls Chem Wash, 2 bbls FW

Scavenger: Premium Lite HS FM + 0.25pps Cello-Flake, 0.3% CD-32, 6.25pps LCM-1, 1% FL-52.

10 sks	11.0 ppg	17.89 gal/sk
27.0 cu.ft	3.02 cu ft/sk	40%

Tail. Premium Lite HS FM + 0.25pps Cello-Flake, 0 3% CD-32, 6.25pps LCM-1, 1% FL-52.

240 sks	12 5 ppg	9 80 gal/sk
464 3 cu ft	1 98 cu ft/sk	40%

Materials

1 Cameron SSDC wellhead
1 Wellhead fuzz cap
350 feet 9-5/8" 32 3# H-40 STC
1 9-5/8" sawtooth guide shoe
3 Bow Type Centralizers
1 Rubber Plug f/displacement

Intermediate String
1 7" Float Shoe (Gemoco)
40 feet Shoe Joint 7" 23.0#, L-80 LT&C
1 7" Float Collar (Gemoco)
5594 feet 7", 23.0#, L-80 LT&C
45 7" x 8-3/4" Tandem Rise type every 3rd jt from shoe to base of surface casing
Totals
5784 feet 7", 23.0#, L-80 LT&C w/ 150' extra
45 7" x 8-3/4" Tandem Rise type centralizers

Production String
1 4-1/2" Float Shoe (Gemoco)
1 4-1/2" Float Collar w/ Insert and latch in plug
405 feet 4-1/2" 11 6#, L-80 LT&C
10 feet 4-1/2" 11 6#, L-80 LT&C marker jt @ 150' above Graneros
3394 feet 4-1/2" 11 6#, L-80 LT&C @ the Huerfanito Bentonite
10 feet 4-1/2" 11 6#, L-80 LT&C marker jt
5152 feet 4-1/2" 11 6#, L-80 LT&C to surface
18 4-1/2" x 6-1/4" bowspring centrilizers, 1 on shoe jt, then 1 every 4th jt f/bottom to above Cliffhouse & 1 on jt below 7" shoe
Totals
9121 feet 4-1/2" 11 6#, L-80 LT&C w/ 150' extra
18 4 -1/2" x 6-1/4" bow type
If mud drilled, contact office for new TD.

Have mudloggers on hole from 8600' TMD to TD. Mudloggers will be Softrock (970-247-8868)

No open hole logs.

Offset Summary

SJ 28-4 #28A (MV/DK, 2006, 1 mi SE): Drilled 12-1/4" surface hole to 326' Set 9-5/8" shoe at 321' Pumped 55 bbls cmt, circ 22 bbl to surf, 200% excess Drilled f/326'-4,610' w/ Hughes HC606Z, avg ROP=94 9 fph, max dev =1 0 deg Ran 7" 23# J-55 LT&C on btm and 20# J-55 ST&C on top, set shoe @4,601'. DV tool @ 3,911' Pumped 43 4 bbls, 1st stg, circ 9 bbls to surf , pumped 201 bbls 2nd stg, circ 38 bbls to surf., 100% excess Drilled f/4,610'-8,751' w/ Marquis CV-462, avg ROP=120 7 fph Tnp for new bit at 8,751' Drilled f/8,751'-8,810' w/ Hughes STX-20, avg ROP=16.4 fph. Ran 4-1/2" 11 6# J-55 on btm, 10 5# ST&C in middle, and 11 6# J-55 LT&C on top, set shoe @ 8,809' Pumped 113 bbls cmt @ 45% excess, 910 ft overlap

SJ 28-5 #101M (MV/DK, 1998, 3/4 mi SW). Rig dnlled surface to 252'. Set 9-5/8" shoe @ 245' Dnlled f/252'-4,565' w/ Hughes GT-09C avg ROP=80 6 fph, max dev =1 25 deg Ran 7" 20# J-55 ST&C to 4,559' w/ DV tool @ 2,261' Pumped 122 bbls 1st stg, circ 25 bbls to surf , pumped 59 bbls 2nd stg, circ 40 bbls light cmt to surf , 50% excess? Dnlled f/4,565'-7,918' w/ Hughes STR09, avg ROP=91 fph Hole got wet at 6,571' but they were able to blow it dry Tnpped for bit @ 7,918' Dnlled f/7,918'-8,822' w/ Hughes STR09, avg ROP=64 9 fph Ran 4-1/2" 11 6# J-55 on btm, 10 5# ST&C on top, set shoe @ 8,805' Tned to blow last jt to btm of hole, hole pressured up and got wet Decided to cmt. but pressure went up to 3400 psi during pump job, decided to PU and reciprocate casing, pulled 100,000 lbs and parted casing Ten days of ng time to fix the casing

SJ 28-5 #98M (MV/DK, 1998, 3/4 mi SE): Rig dnlled surface to 248' Set 9-5/8" shoe @ 243' Dnlled f/248'-4 610' w/ 8-3/4" Security FM2565 PDC bit, avg ROP=72 4 fph, max dev =1 75 deg Lost circ at 3,854' in Ojo, lost 30 bbls, increased LCM from 0% to 8% and regained circ Ran 7" 20# J-55 ST&C to 4,605' w/ DV tool @ 2,320' Pumped 124 bbls 1st stg, circ 38 bbls to surf , pumped 124 bbls 2nd stg, circ 21 bbls cmt to surf., 100% excess. Dnlled f/4,610'-8,552' w/ Hughes STR09, avg ROP=72 9 fph. Tripped for bit @ 8,552' Dnlled f/8,552'-8,847' w/ Hughes ATJ-55A, avg ROP=25 6 fph Dusted to TD Ran 4-1/2" 11 6# J-55 on btm, 10 5# ST&C on top, set shoe @ 8,846' Pumped 121 bbls cmt, no mention of TOC, 50% excess

Operational Notes

Directional Info
- Dnll out surface cmt w th directional equipment, dnli to KOP of 500'
- A 6 1/2" E-Field MWD tool will be used.
- Run an SDI 6 1/2", 7:8, 0 28 rev/gal 3 0 stage motor with stabilizers in build and upper tangent sections. Before initiating the drop, TOOH with stabbed motor and RIH with a slick SDI 6 1/2", 7 8, 0 28 rev/gal 3 0 stage motor
- Build at 3 degree/100' in the azimuth of 170 39 degrees to a depth of 1160' TMD (1146 9' TVD). Hold at 19 8 degrees in azimuth of 170 39 degrees to a depth of 4973 6' TMD (4735 1' TVD). Drop angle at 3 degrees/100' to depth of 5633 6' TMD (5382' TVD) where inclination will be 0 degrees If directional p an changes, recalculate position and drill to TVD
- At 7" casing point (5633 6' TMD, 5382' TVD), TOH with drilling assembly and TIH with insert bit, collar, 8-1/2" 3-pt reamer

Target Info
-Bottom hole location is 710' FNL and 2130' FEL (Section 13)
-Target is 1496' S and 253' E from surface stake
- BHL is **1515.3' in azimuth of 170.39°** from surface location.
- Target size is a 100' radius to the west, south and east of the desired BHL with a hardline located 660' south of the north line of section 13

Operational Info
- Run 2-6 jts of 6 1/4" spiral dc and 20 jts of 4 1/2" HeviWate pipe for intermediate hole (supplied by Weatherford)
- Run 10 DCs for air BHA, use 20 DCs if mud drilling necessary.
- Caliper everything that goes through the table
- Notify 1st Delivery to strip location at least five days in advance
- **Pump cement job no greater than 4 BPM.**
- Install drilling head rotating rubber once BHA is burned
- Reserve pits must be lined
- Well should take an estimated 14 days to dnll
- **Have Bloole line rigged up prior to drilling the Kirtland**
- **Estimated bottom of perfs @ 8694' TVD**
- Call both regulatory agencies 24 hours in advance of BOP testing, spud running csg, or cementing. Leave message if after hours

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Prepared: 7/27/2007

Prepared: _____
Russell Perkins - Drilling Engineer

Reviewed: _____
Monty Myers - Drilling Engineer

Approved: _____
Jim Fodor - Drilling Superintendent