

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

RECEIVED

MAR 05 2010

Bureau of Land Management
Farmington Field Office

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

Surface: Unit H (SENE), 2565' FNL & 153' FEL, Section 26, T30N, R7W, NMPM

Bottomhole: Unit J (NWSE), 1925' FSL & 1500' FEL, Section 26, T30N, R7W, NMPM

5. Lease Number
SF-079383

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name
San Juan 30-6 Unit

8. Well Name & Number
San Juan 30-6 Unit 96N

9. API Well No.
30-039-30836

10. Field and Pool
Blanco MV / Basin DK

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			
☒ Notice of Intent	☐ Abandonment	☐ Change of Plans	☒ Other -	☐ Move Bottomhole
☐ 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 Resources requests permission to move the bottomhole location of the subject well from the 11/4/09 approved APD footages of Unit G (SWNE), 2430' FNL & 1390' FEL to Unit J(NWSE), 1925' FSL & 1500' FEL. This move is because of two existing producing mesaverde wells in the NorthEast quarter. The new plat, project proposal, directional drill plan and plots are attached.

RCVD MAR 9 '10
OIL CONS. DIV.

DIST. 3

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

Signed Crystal Tafoya Crystal Tafoya

Title Regulatory Technician Date 3/5/2010

(This space for Federal or State Office use)

APPROVED BY Troy L. Saliers Title Petroleum Engineer Date 3/5/2010

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
and "As Drilled" plat

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

NMOCD

CONDITIONS OF APPROVAL
Adhere to previously issued stipulations.

PC

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

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

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 7 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30836		² Pool Code 71599 / 72319		³ Pool Name BASIN DAKOTA / BLANCO MESAVERDE	
⁴ Property Code 7469		⁵ Property Name SAN JUAN 30-6 UNIT			⁶ Well Number 96N
⁷ OGRID No. 14538		⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP			⁹ Elevation 6253

¹⁰ SURFACE LOCATION									
UL or lot no. H	Section 26	Township 30-N	Range 7-W	Lot Idn.	Feet from the 2565	North/South line NORTH	Feet from the 153	East/West line EAST	County RIO ARRIBA

¹¹ Bottom Hole Location If Different From Surface									
UL or lot no. J	Section 26	Township 30-N	Range 7-W	Lot Idn.	Feet from the 1925	North/South line SOUTH	Feet from the 1500	East/West line EAST	County RIO ARRIBA

¹² Dedicated Acres 320.00 (E/2)	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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 W.C. N 89°47' W CALC. N 89°43'57" E		5281.3' (R) 5258.0' (M)		¹⁷ GLO 1914
		E/2 DEDICATED ACREAGE USA SF-079383 SECTION 26, T-30-N, R-7-W		2640.0' (R) 2640.0'
BASIS OF BEARING IS THE NEW MEXICO STATE PLANE COORDINATE SYSTEM, WEST ZONE, NAD83 AS DETERMINED BY GPS OBSERVATION AND NGS/OPUS SOLUTION.		WELL FLAG NAD 83 LAT: 36.783800° N LONG: 107.531838° W NAD 27 LAT: 36°47.027668' N LONG: 107°31.873900' W		2565' N 0°14'18" W 2565'
BOTTOM HOLE NAD 83 LAT: 36.781650° N LONG: 107.536433° W NAD 27 LAT: 36°46.898648' N LONG: 107°32.149607' W		1500'		153' GLO 1914
N 89°27'21" E 224.3' (M) N 89°51' W 224.4' (R)		1925'		1558.8' S 58°37'54" W
W.C. GLO 1914		CALC. 1/4 COR. N 89°57'58" E N 89°51' W		2639.2' (M) GLO 1914 2639.3' (R)

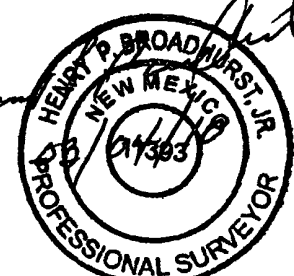
17 OPERATOR CERTIFICATION

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 unleased 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 working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Crystal Tafoya 3/4/10
Signature
Crystal Tafoya
Printed Name
Regulatory Technician
Title and E-mail Address
March 4th, 2010
Date

18 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.

Date of Survey: 5/13/09
Signature and Seal of Professional Surveyor:

Certificate Number: NM 11393

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-6 UNIT 96N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.9023				AFE \$: 1,840,695.90	
Field Name: SAN JUAN		Rig: Aztec Rig 730		State: NM	County: RIO ARriba	API #: 3003930836	
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist:		Phone:		Prod. Engineer:		Phone:	
Res. Engineer:		Phone:		Proj. Field Lead:		Phone:	
Primary Objective (Zones):							
Zone	Zone Name						
RON	BLANCO MESAVERDE (PRORATED GAS)						
FRR	BASIN DAKOTA (PRORATED GAS)						
Location: Surface		Datum Code: NAD 27				Directional	
Latitude: 36.783794	Longitude: -107.531232	X:	Y:	Section: 26	Range: 007W		
Footage X: 153 FEL	Footage Y: 2565 FNL	Elevation: 6253	(FT)	Township: 030N			
Tolerance:							
Location: Bottom Hole		Datum Code: NAD 27				Directional	
Latitude: 36.781644	Longitude: -107.535826	X:	Y:	Section: 26	Range: 007W		
Footage X: 1500 FEL	Footage Y: 1925 FSL	Elevation:	(FT)	Township: 030N			
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2010		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6268 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	200	6068	☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 119 cuft. Circulate cement to surface.	
NACIMIENTO	878	5390	☐				
OJO ALAMO	2134	4134	☐				
KIRTLAND	2258	4010	☐				
FRUITLAND	2702	3566	☐			Possible Gas	
PICTURED CLIFFS	3176	3092	☐				
LEWIS	3275	2993	☐				
HUERFANITO BENTONITE	3872	2396	☐				
CHACRA	4186	2082	☐			Est. Top Perf - 4187 (2080)	
Intermediate Casing	4400	1868	☐			8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 947 cuft. Circulate cement to surface.	
UPPER CLIFF HOUSE	4767	1501	☐			Gas	
MASSIVE CLIFF HOUSE	5003	1265	☐	328		Gas	
MENEFEE	5052	1216	☐				
POINT LOOKOUT	5394	874	☐				
MANCOS	5717	551	☐				
UPPER GALLUP	6661	-393	☐				
GREENHORN	7363	-1095	☐				
GRANEROS	7416	-1148	☐				
TWO WELLS	7490	-1222	☐	3436		Gas	
PAGUATE	7536	-1268	☐				
UPPER CUBERO	7558	-1290	☐				
LOWER CUBERO	7592	-1324	☐			Est. Btm Perf - 7676 (-1409) based on offset wells	

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 30-6 UNIT 96N

DEVELOPMENT

ENCINAL	7662	-1394	☐	TD - 30' below T/ENCN
Total Depth	7692	-1424	☐	6-1/4" hole, 4-1/2" 11.6 ppf, J-55/L-80, LTC casing. Cement w/ 531 cuft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:

Reference Type	Well Name	Comments
Production	SJ 30-6 409	30N 7W 25 NE NW SW
Production	SJ 30-6 96B	30N 7W 26 SE SE NE
Production	SJ 30-6 96A	30N 7W 26 NE NE SE
Production	SJ 30-6 95B	30N 7W 23 SE NE NW

Logging Program:

Intermediate Logs: ☐ Log only if show ☐ GR/ILD ☐ Triple Combo

TD Logs: ☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other

Cased Hole GR / CBL

Mudlog from 100' above top of GRHN to TD - mudlogger will call TD.

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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Scientific Drilling
Directional Drilling Operations

ConocoPhillips

**SJB (NM Central)
SEC 26-T30N-R7W
SJ 30-6 #96N**

Original Hole

Plan: Plan #2

Standard Planning Report

04 March, 2010



ConocoPhillips

Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well SJ 30-6 #96N
Company:	ConocoPhillips	TVD Reference:	DFE @ 6268.0ft (AWS 730)
Project:	SJB (NM Central)	MD Reference:	DFE @ 6268.0ft (AWS 730)
Site:	SEC 26-T30N-R7W	North Reference:	True
Well:	SJ 30-6 #96N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan #2		

Project	SJB (NM Central), New Mexico, S-Type MV/DK Wells		
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 Central 3002		Using geodetic scale factor

Site	SEC 26-T30N-R7W		
Site Position:		Northing:	2,107,036.42 ft
From:	Lat/Long	Easting:	124,801.55 ft
Position Uncertainty:	0.0 ft	Slot Radius:	6-1/8"
		Latitude:	36° 47' 1.660 N
		Longitude:	107° 31' 52.434 W
		Grid Convergence:	-0.77 °

Well	SJ 30-6 #96N, S-Type MV/DK Well		
Well Position	+N/-S	0.0 ft	Northing: 2,107,036.42 ft
	+E/-W	0.0 ft	Easting: 124,801.55 ft
Position Uncertainty	3.5 ft	Wellhead Elevation:	ft
		Latitude:	36° 47' 1.660 N
		Longitude:	107° 31' 52.434 W
		Ground Level:	6,253.0 ft

Wellbore	Original Hole		
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2009	2/16/2010	9.95	63.61	50,947

Design	Plan #2		
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Audit Notes:				
Version:		Phase:	PLAN	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(ft)	(ft)	(ft)	(°)
	0.0	0.0	0.0	239.81

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	
350.0	0.00	0.00	350.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,795.4	28.91	239.81	1,734.8	-179.5	-308.5	2.00	2.00	0.00	239.81	
3,785.3	28.91	239.81	3,476.8	-663.1	-1,140.0	0.00	0.00	0.00	0.00	
4,748.8	0.00	0.00	4,400.0	-782.8	-1,345.7	3.00	-3.00	0.00	180.00	SJ 30-6 #96N ICP
8,040.8	0.00	0.00	7,692.0	-782.8	-1,345.7	0.00	0.00	0.00	0.00	SJ 30-6 #96N PCP

Database:	EDM: 2003.21 Single User Db	Local Co-ordinate Reference:	Well SJ 30-6 #96N
Company:	ConocoPhillips	TVD Reference:	DFE @ 6268.0ft (AWS:730)
Project:	SJB (NM Central)	MD Reference:	DFE @ 6268.0ft (AWS:730)
Site:	SEC 26-T30N-R7W	North Reference:	True
Well:	SJ 30-6 #96N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan #2		

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
228.0	0.00	0.00	228.0	0.0	0.0	0.0	0.00	0.00	0.00
9 5/8"									
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
400.0	1.00	239.81	400.0	-0.2	-0.4	0.4	2.00	2.00	0.00
500.0	3.00	239.81	499.9	-2.0	-3.4	3.9	2.00	2.00	0.00
600.0	5.00	239.81	599.7	-5.5	-9.4	10.9	2.00	2.00	0.00
700.0	7.00	239.81	699.1	-10.7	-18.5	21.4	2.00	2.00	0.00
800.0	9.00	239.81	798.2	-17.7	-30.5	35.3	2.00	2.00	0.00
881.0	10.62	239.81	878.0	-24.7	-42.4	49.1	2.00	2.00	0.00
Nacimiento									
900.0	11.00	239.81	896.6	-26.5	-45.5	52.6	2.00	2.00	0.00
1,000.0	13.00	239.81	994.4	-36.9	-63.5	73.4	2.00	2.00	0.00
1,100.0	15.00	239.81	1,091.5	-49.1	-84.4	97.6	2.00	2.00	0.00
1,200.0	17.00	239.81	1,187.6	-62.9	-108.2	125.2	2.00	2.00	0.00
1,300.0	19.00	239.81	1,282.7	-78.5	-134.9	156.1	2.00	2.00	0.00
1,400.0	21.00	239.81	1,376.6	-95.7	-164.5	190.3	2.00	2.00	0.00
1,500.0	23.00	239.81	1,469.4	-114.5	-196.9	227.7	2.00	2.00	0.00
1,600.0	25.00	239.81	1,560.7	-135.0	-232.0	268.4	2.00	2.00	0.00
1,700.0	27.00	239.81	1,650.6	-157.0	-269.9	312.2	2.00	2.00	0.00
1,795.4	28.91	239.81	1,734.8	-179.5	-308.5	356.9	2.00	2.00	0.00
1,800.0	28.91	239.81	1,738.9	-180.6	-310.5	359.2	0.00	0.00	0.00
1,900.0	28.91	239.81	1,826.4	-204.9	-352.3	407.5	0.00	0.00	0.00
2,000.0	28.91	239.81	1,914.0	-229.2	-394.0	455.9	0.00	0.00	0.00
2,100.0	28.91	239.81	2,001.5	-253.5	-435.8	504.2	0.00	0.00	0.00
2,200.0	28.91	239.81	2,089.0	-277.8	-477.6	552.5	0.00	0.00	0.00
2,251.4	28.91	239.81	2,134.0	-290.3	-499.1	577.4	0.00	0.00	0.00
Ojo Alamo									
2,300.0	28.91	239.81	2,176.6	-302.1	-519.4	600.9	0.00	0.00	0.00
2,393.0	28.91	239.81	2,258.0	-324.7	-558.3	645.8	0.00	0.00	0.00
Kirtland									
2,400.0	28.91	239.81	2,264.1	-326.4	-561.2	649.2	0.00	0.00	0.00
2,500.0	28.91	239.81	2,351.7	-350.7	-603.0	697.6	0.00	0.00	0.00
2,600.0	28.91	239.81	2,439.2	-375.1	-644.8	745.9	0.00	0.00	0.00
2,700.0	28.91	239.81	2,526.7	-399.4	-686.5	794.2	0.00	0.00	0.00
2,800.0	28.91	239.81	2,614.3	-423.7	-728.3	842.6	0.00	0.00	0.00
2,900.0	28.91	239.81	2,701.8	-448.0	-770.1	890.9	0.00	0.00	0.00
2,900.2	28.91	239.81	2,702.0	-448.0	-770.2	891.0	0.00	0.00	0.00
Fruitland									
3,000.0	28.91	239.81	2,789.4	-472.3	-811.9	939.3	0.00	0.00	0.00
3,100.0	28.91	239.81	2,876.9	-496.6	-853.7	987.6	0.00	0.00	0.00
3,200.0	28.91	239.81	2,964.4	-520.9	-895.5	1,035.9	0.00	0.00	0.00
3,300.0	28.91	239.81	3,052.0	-545.2	-937.2	1,084.3	0.00	0.00	0.00
3,400.0	28.91	239.81	3,139.5	-569.5	-979.0	1,132.6	0.00	0.00	0.00
3,441.7	28.91	239.81	3,176.0	-579.6	-996.4	1,152.8	0.00	0.00	0.00
PC									
3,500.0	28.91	239.81	3,227.1	-593.8	-1,020.8	1,181.0	0.00	0.00	0.00
3,554.8	28.91	239.81	3,275.0	-607.1	-1,043.7	1,207.4	0.00	0.00	0.00
Lewis									
3,600.0	28.91	239.81	3,314.6	-618.1	-1,062.6	1,229.3	0.00	0.00	0.00

Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well SJ 30-6 #96N
Company:	ConocoPhillips	TVD Reference:	DFE @ 6268.0ft (AWS 730)
Project:	SJB (NM Central)	MD Reference:	DFE @ 6268.0ft (AWS 730)
Site:	SEC 26-T30N-R7W	North Reference:	True
Well:	SJ 30-6 #96N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan #2		

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)	
3,700.0	28.91	239.81	3,402.1	-642.4	-1,104.4	1,277.6	0.00	0.00	0.00	
3,785.3	28.91	239.81	3,476.8	-663.1	-1,140.0	1,318.9	0.00	0.00	0.00	
3,800.0	28.47	239.81	3,489.7	-666.7	-1,146.1	1,325.9	3.00	-3.00	0.00	
3,900.0	25.47	239.81	3,578.8	-689.5	-1,185.3	1,371.3	3.00	-3.00	0.00	
4,000.0	22.47	239.81	3,670.2	-709.9	-1,220.4	1,411.9	3.00	-3.00	0.00	
4,100.0	19.47	239.81	3,763.6	-727.9	-1,251.3	1,447.7	3.00	-3.00	0.00	
4,200.0	16.47	239.81	3,858.7	-743.4	-1,278.0	1,478.5	3.00	-3.00	0.00	
4,213.9	16.05	239.81	3,872.0	-745.4	-1,281.4	1,482.4	3.00	-3.00	0.00	
Huerfano Bentonite										
4,300.0	13.47	239.81	3,955.3	-756.4	-1,300.3	1,504.3	3.00	-3.00	0.00	
4,400.0	10.47	239.81	4,053.1	-766.8	-1,318.2	1,525.0	3.00	-3.00	0.00	
4,500.0	7.47	239.81	4,151.9	-774.7	-1,331.7	1,540.6	3.00	-3.00	0.00	
4,534.4	6.43	239.81	4,186.0	-776.8	-1,335.3	1,544.8	3.00	-3.00	0.00	
Chacra										
4,600.0	4.47	239.81	4,251.3	-779.9	-1,340.7	1,551.0	3.00	-3.00	0.00	
4,700.0	1.47	239.81	4,351.2	-782.5	-1,345.2	1,556.2	3.00	-3.00	0.00	
4,748.8	0.00	0.00	4,400.0	-782.8	-1,345.7	1,556.8	3.00	-3.00	0.00	
7"										
4,800.0	0.00	0.00	4,451.2	-782.8	-1,345.7	1,556.8	0.00	0.00	0.00	
4,900.0	0.00	0.00	4,551.2	-782.8	-1,345.7	1,556.8	0.00	0.00	0.00	
5,000.0	0.00	0.00	4,651.2	-782.8	-1,345.7	1,556.8	0.00	0.00	0.00	
5,100.0	0.00	0.00	4,751.2	-782.8	-1,345.7	1,556.8	0.00	0.00	0.00	
5,115.8	0.00	0.00	4,767.0	-782.8	-1,345.7	1,556.8	0.00	0.00	0.00	
Upper Cliffhouse										
5,200.0	0.00	0.00	4,851.2	-782.8	-1,345.7	1,556.8	0.00	0.00	0.00	
5,300.0	0.00	0.00	4,951.2	-782.8	-1,345.7	1,556.8	0.00	0.00	0.00	
5,351.8	0.00	0.00	5,003.0	-782.8	-1,345.7	1,556.8	0.00	0.00	0.00	
Massive Cliffhouse										
5,400.0	0.00	0.00	5,051.2	-782.8	-1,345.7	1,556.8	0.00	0.00	0.00	
5,400.8	0.00	0.00	5,052.0	-782.8	-1,345.7	1,556.8	0.00	0.00	0.00	
Menefee										
5,500.0	0.00	0.00	5,151.2	-782.8	-1,345.7	1,556.8	0.00	0.00	0.00	
5,600.0	0.00	0.00	5,251.2	-782.8	-1,345.7	1,556.8	0.00	0.00	0.00	
5,700.0	0.00	0.00	5,351.2	-782.8	-1,345.7	1,556.8	0.00	0.00	0.00	
5,742.8	0.00	0.00	5,394.0	-782.8	-1,345.7	1,556.8	0.00	0.00	0.00	
Point Lookout										
5,800.0	0.00	0.00	5,451.2	-782.8	-1,345.7	1,556.8	0.00	0.00	0.00	
5,900.0	0.00	0.00	5,551.2	-782.8	-1,345.7	1,556.8	0.00	0.00	0.00	
6,000.0	0.00	0.00	5,651.2	-782.8	-1,345.7	1,556.8	0.00	0.00	0.00	
6,065.8	0.00	0.00	5,717.0	-782.8	-1,345.7	1,556.8	0.00	0.00	0.00	
Mancos										
6,100.0	0.00	0.00	5,751.2	-782.8	-1,345.7	1,556.8	0.00	0.00	0.00	
6,200.0	0.00	0.00	5,851.2	-782.8	-1,345.7	1,556.8	0.00	0.00	0.00	
6,300.0	0.00	0.00	5,951.2	-782.8	-1,345.7	1,556.8	0.00	0.00	0.00	
6,400.0	0.00	0.00	6,051.2	-782.8	-1,345.7	1,556.8	0.00	0.00	0.00	
6,500.0	0.00	0.00	6,151.2	-782.8	-1,345.7	1,556.8	0.00	0.00	0.00	
6,600.0	0.00	0.00	6,251.2	-782.8	-1,345.7	1,556.8	0.00	0.00	0.00	
6,700.0	0.00	0.00	6,351.2	-782.8	-1,345.7	1,556.8	0.00	0.00	0.00	
6,800.0	0.00	0.00	6,451.2	-782.8	-1,345.7	1,556.8	0.00	0.00	0.00	
6,900.0	0.00	0.00	6,551.2	-782.8	-1,345.7	1,556.8	0.00	0.00	0.00	
7,000.0	0.00	0.00	6,651.2	-782.8	-1,345.7	1,556.8	0.00	0.00	0.00	
7,009.8	0.00	0.00	6,661.0	-782.8	-1,345.7	1,556.8	0.00	0.00	0.00	
Upper Gallup										

Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well SJ 30-6 #96N
Company:	ConocoPhillips	TVD Reference:	DFE @ 6268.0ft (AWS 730)
Project:	SJB (NM Central)	MD Reference:	DFE @ 6268.0ft (AWS 730)
Site:	SEC 26-T30N-R7W	North Reference:	True
Well:	SJ 30-6 #96N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan #2		

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)
7,100.0	0.00	0.00	6,751.2	-782.8	-1,345.7	1,556.8	0.00	0.00	0.00
7,200.0	0.00	0.00	6,851.2	-782.8	-1,345.7	1,556.8	0.00	0.00	0.00
7,300.0	0.00	0.00	6,951.2	-782.8	-1,345.7	1,556.8	0.00	0.00	0.00
7,400.0	0.00	0.00	7,051.2	-782.8	-1,345.7	1,556.8	0.00	0.00	0.00
7,500.0	0.00	0.00	7,151.2	-782.8	-1,345.7	1,556.8	0.00	0.00	0.00
7,600.0	0.00	0.00	7,251.2	-782.8	-1,345.7	1,556.8	0.00	0.00	0.00
7,700.0	0.00	0.00	7,351.2	-782.8	-1,345.7	1,556.8	0.00	0.00	0.00
7,711.8	0.00	0.00	7,363.0	-782.8	-1,345.7	1,556.8	0.00	0.00	0.00
Greenhorn									
7,764.8	0.00	0.00	7,416.0	-782.8	-1,345.7	1,556.8	0.00	0.00	0.00
Graneros									
7,800.0	0.00	0.00	7,451.2	-782.8	-1,345.7	1,556.8	0.00	0.00	0.00
7,838.8	0.00	0.00	7,490.0	-782.8	-1,345.7	1,556.8	0.00	0.00	0.00
Two Wells									
7,884.8	0.00	0.00	7,536.0	-782.8	-1,345.7	1,556.8	0.00	0.00	0.00
Paguate									
7,900.0	0.00	0.00	7,551.2	-782.8	-1,345.7	1,556.8	0.00	0.00	0.00
7,906.8	0.00	0.00	7,558.0	-782.8	-1,345.7	1,556.8	0.00	0.00	0.00
Upper Cubero									
7,940.8	0.00	0.00	7,592.0	-782.8	-1,345.7	1,556.8	0.00	0.00	0.00
Lower Cubero									
8,000.0	0.00	0.00	7,651.2	-782.8	-1,345.7	1,556.8	0.00	0.00	0.00
8,010.8	0.00	0.00	7,662.0	-782.8	-1,345.7	1,556.8	0.00	0.00	0.00
Encinal									
8,040.8	0.00	0.00	7,692.0	-782.8	-1,345.7	1,556.8	0.00	0.00	0.00
4 1/2"									

Design Targets									
Target Name	hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude Longitude
SJ 30-6 #96B WH	- hit/miss target	0.00	0.00	0.0	50.7	-12.4	2,107,087.30	124,789.87	36° 47' 2.162 N 107° 31' 52.586 W
- plan misses target center by 52.2ft at 0.0ft MD (0.0 TVD, 0.0 N, 0.0 E)									
- Circle (radius 5.0)									
SJ 30-6 #96N ICP	- plan hits target center	0.00	0.00	4,400.0	-782.8	-1,345.7	2,106,271.66	123,445.41	36° 46' 53.919 N 107° 32' 8.975 W
- Circle (radius 100.0)									
SJ 30-6 #96N PCP	- plan hits target center	0.00	0.00	7,692.0	-782.8	-1,345.7	2,106,271.66	123,445.41	36° 46' 53.919 N 107° 32' 8.975 W
- Point									

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")	
228.0	228.0	9 5/8"	9-5/8	12-1/4	
4,748.8	4,400.0	7"	7	8-3/4	
8,040.8	7,692.0	4 1/2"	4-1/2	6-1/4	

Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well SJ 30-6 #96N
Company:	ConocoPhillips	TVD Reference:	DFE @ 6268.0ft (AWS 730)
Project:	SJB (NM Central)	MD Reference:	DFE @ 6268.0ft (AWS 730)
Site:	SEC 26-T30N-R7W	North Reference:	True
Well:	SJ 30-6 #96N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan #2		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
881.0	878.0	Nacimiento		0.00		
2,251.4	2,134.0	Ojo Alamo		0.00		
2,393.0	2,258.0	Kirtland		0.00		
2,900.2	2,702.0	Fruitland		0.00		
3,441.7	3,176.0	PC		0.00		
3,554.8	3,275.0	Lewis		0.00		
4,213.9	3,872.0	Huerfanito Bentonite		0.00		
4,534.4	4,186.0	Chacra		0.00		
5,115.8	4,767.0	Upper Cliffhouse		0.00		
5,351.8	5,003.0	Massive Cliffhouse		0.00		
5,400.8	5,052.0	Menefee		0.00		
5,742.8	5,394.0	Point Lookout		0.00		
6,065.8	5,717.0	Mancos		0.00		
7,009.8	6,661.0	Upper Gallup		0.00		
7,711.8	7,363.0	Greenhorn		0.00		
7,764.8	7,416.0	Graneros		0.00		
7,838.8	7,490.0	Two Wells		0.00		
7,884.8	7,536.0	Paguate		0.00		
7,906.8	7,558.0	Upper Cubero		0.00		
7,940.8	7,592.0	Lower Cubero		0.00		
8,010.8	7,662.0	Encinal		0.00		



Project SJB (NM Central)
Site SEC 26-T30N-R7W
Well: SJ 30-6 #96N
Wellbore: Original Hole
Design: Plan #2



WELL DETAILS: SJ 30-6 #96N

Ground Level: 6253.0

DFE @ 6268.0ft (AWS 730)

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	2107036.42	124801.55	36° 47' 1.660 N	107° 31' 52.434 W

WELLBORE TARGET DETAILS (LAT/LONG)

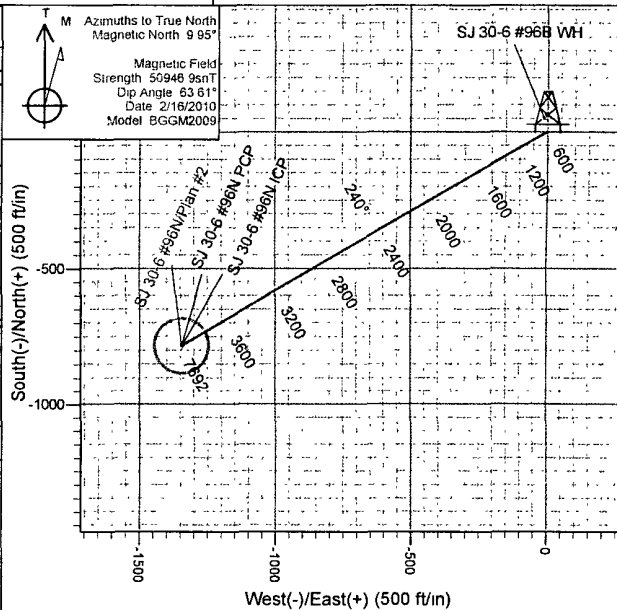
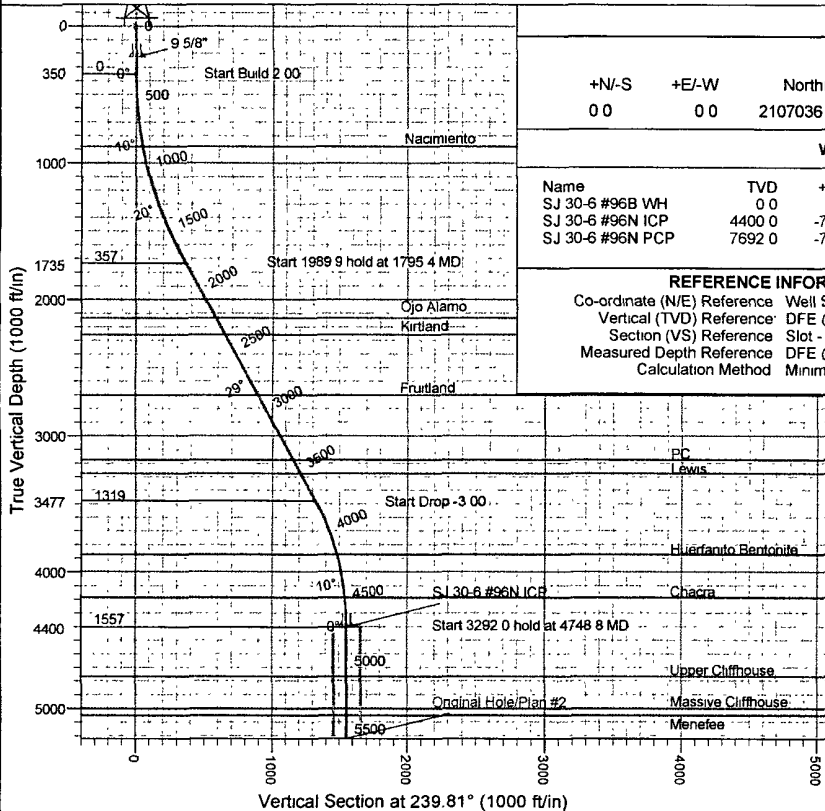
Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
SJ 30-6 #96B WH	0.0	50.7	-12.4	36° 47' 2.162 N	107° 31' 52.586 W	Circle (Radius 5.0)
SJ 30-6 #96N ICP	4400.0	-782.8	-1345.7	36° 46' 53.919 N	107° 32' 8.975 W	Circle (Radius 100.0)
SJ 30-6 #96N PCP	7692.0	-782.8	-1345.7	36° 46' 53.919 N	107° 32' 8.975 W	Point

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well SJ 30-6 #96N, True North
Vertical (TVD) Reference: DFE @ 6268.0ft (AWS 730)
Section (VS) Reference: Slot - (0.0N, 0.0E)
Measured Depth Reference: DFE @ 6268.0ft (AWS 730)
Calculation Method: Minimum Curvature

PROJECT DETAILS: SJB (NM Central)

Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico Central 3002
System Datum: Mean Sea Level



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	350.0	0.00	0.00	350.0	0.0	0.0	0.00	0.00	0.0	
3	1795.4	28.91	239.81	1734.8	-179.5	-308.5	2.00	239.81	356.9	
4	3785.3	28.91	239.81	3476.8	-663.1	-1140.0	0.00	0.00	1318.9	
5	4748.8	0.00	0.00	4400.0	-782.8	-1345.7	3.00	180.00	1556.8	SJ 30-6 #96N ICP
6	8040.8	0.00	0.00	7692.0	-782.8	-1345.7	0.00	0.00	1556.8	SJ 30-6 #96N PCP