

RCVD MAR 23 '12
OIL CONS. DIV.
DIST. 3

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

AS DRILLED PLAT

☐ AMENDED REPORT

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30996	² Pool Code 71599/72319/97232	³ Pool Name BASIN DAKOTA / BLANCO MESAVERDE / BASIN MANCOS
⁴ Property Code 7469	⁵ Property Name SAN JUAN 30 - 6 UNIT	⁶ Well Number 51B
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6857'

¹⁰ Surface Location

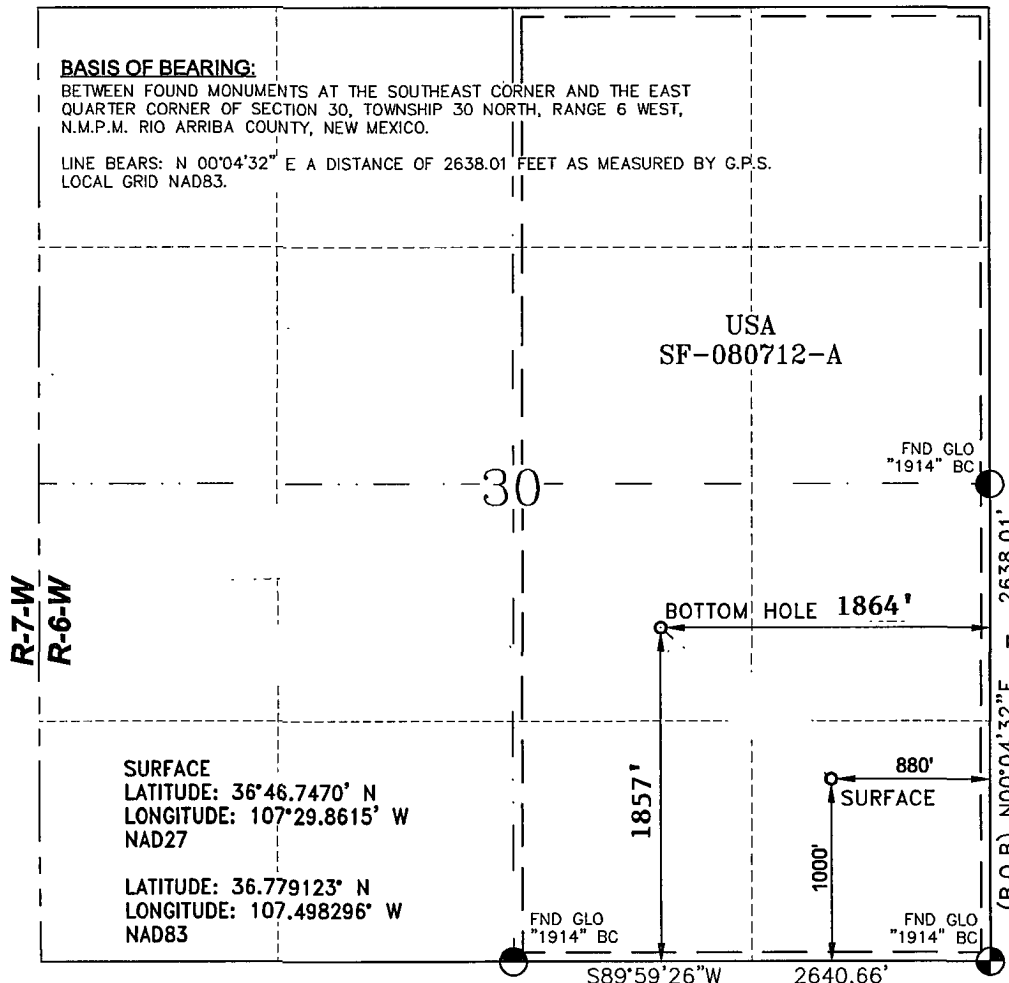
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	30	30-N	6-W		1000	SOUTH	880	EAST	RIO ARriba

¹¹ 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
J	30	30-N	6-W		1857'	SOUTH	1864'	EAST	RIO ARriba
¹² Dedicated Acres MV 320.00 ACRES E/2 DK 320.00 ACRES E/2			¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ 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



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

Signature
Marie E. Jaramillo 3/22/12
Printed Name

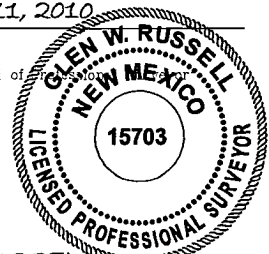
18 SURVEYOR CERTIFICATION

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.

FEBRUARY 11, 2010

Date of Survey

Signature and Seal of



GLEN W. RUSSELL

Certificate Number

15703

A

OK



COP Deviation Report
SAN JUAN 30-6 UNIT #51B

Operator BURLINGTON RESOURCES OIL & GAS COMPANY LP	Legal WellName SAN JUAN 30-6 UNIT #51B	API / UW1 3003930996	County RIO ARRIBA	State/Province NEW MEXICO
Surface Legal Location 030-030N-006W-P	N/S Dist (ft) 1,000.00	N/S Ref FSL	E/W Dist (ft) 880 00	E/W Ref FEL

Survey Data						
Date	MD (ftKB)	Incl (°)	Azm (°)	Method	Survey Company	
12/10/2011	257.00	0.37	237.54	IncAzi-MWD	Scientific Drilling	
12/10/2011	304.00	0.48	246.83	IncAzi-MWD	Scientific Drilling	
12/10/2011	365.00	0.69	293.91	IncAzi-MWD	Scientific Drilling	
12/10/2011	427.00	1.01	311.97	IncAzi-MWD	Scientific Drilling	
12/11/2011	488.00	1.97	305.45	IncAzi-MWD	Scientific Drilling	
12/11/2011	550.00	3.14	313.80	IncAzi-MWD	Scientific Drilling	
12/11/2011	612.00	4.02	314.11	IncAzi-MWD	Scientific Drilling	
12/11/2011	673.00	5.10	314.73	IncAzi-MWD	Scientific Drilling	
12/11/2011	735.00	6.48	313.09	IncAzi-MWD	Scientific Drilling	
12/11/2011	796.00	7.73	309.96	IncAzi-MWD	Scientific Drilling	
12/11/2011	858.00	9.36	310.82	IncAzi-MWD	Scientific Drilling	
12/11/2011	920.00	10.68	312.03	IncAzi-MWD	Scientific Drilling	
12/11/2011	983.00	11.51	311.74	IncAzi-MWD	Scientific Drilling	
12/11/2011	1,046.00	13.42	312.79	IncAzi-MWD	Scientific Drilling	
12/11/2011	1,109.00	14.97	312.60	IncAzi-MWD	Scientific Drilling	
12/11/2011	1,172.00	16.14	312.45	IncAzi-MWD	Scientific Drilling	
12/11/2011	1,236.00	17.31	312.33	IncAzi-MWD	Scientific Drilling	
12/11/2011	1,299.00	18.91	311.55	IncAzi-MWD	Scientific Drilling	
12/11/2011	1,362.00	20.21	312.21	IncAzi-MWD	Scientific Drilling	
12/11/2011	1,425.00	21.67	312.17	IncAzi-MWD	Scientific Drilling	
12/11/2011	1,488.00	22.86	312.85	IncAzi-MWD	Scientific Drilling	
12/11/2011	1,552.00	24.25	313.90	IncAzi-MWD	Scientific Drilling	
12/11/2011	1,615.00	25.25	314.77	IncAzi-MWD	Scientific Drilling	
12/11/2011	1,679.00	25.83	315.85	IncAzi-MWD	Scientific Drilling	
12/11/2011	1,742.00	27.50	316.79	IncAzi-MWD	Scientific Drilling	
12/11/2011	1,806.00	28.71	317.52	IncAzi-MWD	Scientific Drilling	
12/11/2011	1,869.00	29.18	317.04	IncAzi-MWD	Scientific Drilling	
12/11/2011	1,933.00	29.53	316.31	IncAzi-MWD	Scientific Drilling	
12/11/2011	1,996.00	29.48	316.00	IncAzi-MWD	Scientific Drilling	
12/11/2011	2,060.00	29.52	315.52	IncAzi-MWD	Scientific Drilling	
12/11/2011	2,123.00	28.98	313.70	IncAzi-MWD	Scientific Drilling	
12/11/2011	2,187.00	28.03	313.24	IncAzi-MWD	Scientific Drilling	
12/11/2011	2,250.00	27.35	311.99	IncAzi-MWD	Scientific Drilling	
12/11/2011	2,313.00	27.10	311.13	IncAzi-MWD	Scientific Drilling	
12/11/2011	2,376.00	26.51	310.88	IncAzi-MWD	Scientific Drilling	

I, the undersigned, certify that I acting in my capacity as _____ for ConocoPhillips Company, am authorized by said Company to make this report, and that said report was prepared under my supervision and directions, and that the facts stated herein are true to the best of my knowledge and belief.

Subscribed and sworn to me this _____

RCUD MAR 23 '12
OIL CONS. DIV.
DIST. 3

Notary Public in and for San Juan County, New Mexico

My Commission expires _____

AV

**COP Deviation Report
SAN JUAN 30-6 UNIT #51B**

Survey Data

Date	MD (RKB)	Incl (°)	Azm (°)	Method	Survey Company
12/12/2011	2,440.00	26.76	310.31	IncAzi-MWD	Scientific Drilling
12/12/2011	2,503.00	27.41	310.45	IncAzi-MWD	Scientific Drilling
12/12/2011	2,567.00	28.17	309.68	IncAzi-MWD	Scientific Drilling
12/12/2011	2,630.00	28.60	309.73	IncAzi-MWD	Scientific Drilling
12/12/2011	2,694.00	28.95	309.76	IncAzi-MWD	Scientific Drilling
12/12/2011	2,757.00	28.71	309.02	IncAzi-MWD	Scientific Drilling
12/12/2011	2,820.00	29.11	308.77	IncAzi-MWD	Scientific Drilling
12/12/2011	2,884.00	28.98	308.26	IncAzi-MWD	Scientific Drilling
12/12/2011	2,947.00	27.95	307.76	IncAzi-MWD	Scientific Drilling
12/12/2011	3,011.00	28.11	309.29	IncAzi-MWD	Scientific Drilling
12/12/2011	3,074.00	28.86	310.17	IncAzi-MWD	Scientific Drilling
12/12/2011	3,137.00	29.47	310.75	IncAzi-MWD	Scientific Drilling
12/12/2011	3,201.00	29.07	310.43	IncAzi-MWD	Scientific Drilling
12/12/2011	3,264.00	27.71	309.32	IncAzi-MWD	Scientific Drilling
12/12/2011	3,327.00	26.33	308.90	IncAzi-MWD	Scientific Drilling
12/12/2011	3,391.00	25.46	307.37	IncAzi-MWD	Scientific Drilling
12/12/2011	3,454.00	24.31	307.59	IncAzi-MWD	Scientific Drilling
12/12/2011	3,517.00	23.08	307.27	IncAzi-MWD	Scientific Drilling
12/12/2011	3,580.00	21.06	308.30	IncAzi-MWD	Scientific Drilling
12/12/2011	3,644.00	19.75	307.31	IncAzi-MWD	Scientific Drilling
12/12/2011	3,706.00	17.79	308.61	IncAzi-MWD	Scientific Drilling
12/12/2011	3,769.00	15.76	309.22	IncAzi-MWD	Scientific Drilling
12/13/2011	3,832.00	13.20	309.25	IncAzi-MWD	Scientific Drilling
12/13/2011	3,896.00	11.72	307.93	IncAzi-MWD	Scientific Drilling
12/13/2011	3,959.00	10.51	305.78	IncAzi-MWD	Scientific Drilling
12/13/2011	4,022.00	6.80	296.41	IncAzi-MWD	Scientific Drilling
12/13/2011	4,086.00	6.50	296.60	IncAzi-MWD	Scientific Drilling
12/13/2011	4,150.00	6.35	298.07	IncAzi-MWD	Scientific Drilling
12/13/2011	4,192.00	6.07	301.22	IncAzi-MWD	Scientific Drilling
1/6/2012	8,519.00	1.00		Inc-WL	Phoenix Services LLC

I, the undersigned, certify that I acting in my capacity as Drilling Engineer for ConocoPhillips Company, am authorized by said Company to make this report, and that said report was prepared under my supervision and directions, and that the facts stated herein are true to the best of my knowledge and belief.

[Signature]

Subscribed and sworn to me this 3/22/12

Manuel Jarama
Notary Public in and for San Juan County, New Mexico

My Commission expires 9/19/14



ConocoPhillips

SJB (NM Central)

SEC 30-T30N-R6W

SJ 30-6 #51B

Original Hole

API # 3003930996

Design: Original Hole

Standard Survey Report

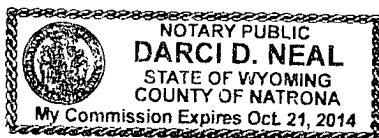
22 December, 2011

This survey is correct to the best of my knowledge and is supported by actual field data.

Notarized this date 22nd of December, 2011.

Darci D. Neal

Notary Signature
County of Natrona
State of Wyoming



Company:	ConocoPhillips	Local Co-ordinate Reference:	Well SJ 30-6 #51B
Project:	SJB (NM Central)	TVD Reference:	AWS 711 @ 6872 0ft (15' DF + 6857' GL)
Site:	SEC 30-T30N-R6W	MD Reference:	AWS 711 @ 6872 0ft (15' DF + 6857' GL)
Well:	SJ 30-6 #51B	North Reference:	True
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	EDM 2003.21 Single User Db

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 30-T30N-R6W		
Site Position:		Northing:	2,105,203.57 ft
From:	Lat/Long	Easting:	134,601.71 ft
Position Uncertainty:	15.0 ft	Slot Radius:	6-1/8"
		Latitude:	36° 46' 44.820 N
		Longitude:	107° 29' 51.690 W
		Grid Convergence:	-0.75 °

Well:	SJ 30-6 #51B, S-Type MV/DK Well		
Well Position	+N/-S	0.0 ft	Northing:
	+E/-W	0.0 ft	Easting:
Position Uncertainty	3.5 ft	Wellhead Elevation:	ft
		Latitude:	36° 46' 44.820 N
		Longitude:	107° 29' 51.690 W
		Ground Level:	6,857.0 ft

Wellbore:	Original Hole		
Magnetics	Model Name	Sample Date	Declination
	BGGM2011	2011/11/30	9.73
			Dip Angle
			63.54
			Field Strength
			50,716

Design:	Original Hole		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(ft)	(ft)	(ft)
	0.0	0.0	0.0
			Direction
			311.07

Survey Program	Date	2011/12/22
From	To	
(ft)	(ft)	
257.0	4,192.0	Survey #1 (Original Hole)
		Tool Name
		MWD SDI
		Description
		MWD - Standard ver 1.0.1

Survey										
Measured Depth	Inclination	Azimuth	Vertical Depth	+N/-S	+E/-W	Vertical Section	Dogleg Rate	Build Rate	Turn Rate	
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(°/100ft)	(°/100ft)	(°/100ft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
257.0	0.37	237.54	257.0	-0.4	-0.7	0.2	0.14	0.14	0.00	
First SDI MWD Survey										
304.0	0.48	246.83	304.0	-0.6	-1.0	0.4	0.28	0.23	19.77	
365.0	0.69	293.91	365.0	-0.6	-1.6	0.8	0.83	0.34	77.18	
427.0	1.01	311.97	427.0	0.0	-2.3	1.7	0.67	0.52	29.13	
488.0	1.97	305.45	488.0	0.9	-3.6	3.3	1.60	1.57	-10.69	
550.0	3.14	313.80	549.9	2.7	-5.7	6.1	1.98	1.89	13.47	
612.0	4.02	314.11	611.8	5.4	-8.5	9.9	1.42	1.42	0.50	
673.0	5.10	314.73	672.6	8.8	-11.9	14.8	1.77	1.77	1.02	
735.0	6.48	313.09	734.3	13.1	-16.4	21.0	2.24	2.23	-2.65	
796.0	7.73	309.96	794.8	18.1	-22.1	28.6	2.14	2.05	-5.13	
858.0	9.36	310.82	856.1	24.1	-29.1	37.8	2.64	2.63	1.39	
920.0	10.68	312.03	917.2	31.2	-37.2	48.6	2.16	2.13	1.95	

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well SJ 30-6 #51B
Project:	SJB (NM Central)	TVD Reference:	AWS 711 @ 6872.0ft (15' DF + 6857' GL)
Site:	SEC 30-T30N-R6W	MD Reference:	AWS 711 @ 6872.0ft (15' DF + 6857' GL)
Well:	SJ 30-6 #51B	North Reference:	True
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	EDM 2003.21 Single User Db

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)
983.0	11.51	311.74	979.0	39.3	-46.2	60.7	1.32	1.32	-0.46
1,046.0	13.42	312.79	1,040.5	48.5	-56.3	74.3	3.05	3.03	1.67
1,109.0	14.97	312.60	1,101.6	59.0	-67.6	89.7	2.46	2.46	-0.30
1,172.0	16.14	312.45	1,162.3	70.4	-80.1	106.6	1.86	1.86	-0.24
1,236.0	17.31	312.33	1,223.6	82.8	-93.7	125.0	1.83	1.83	-0.19
1,299.0	18.91	311.55	1,283.4	95.9	-108.3	144.6	2.57	2.54	-1.24
1,362.0	20.21	312.21	1,342.8	110.0	-124.0	165.7	2.09	2.06	1.05
1,425.0	21.67	312.17	1,401.6	125.1	-140.6	188.2	2.32	2.32	-0.06
1,488.0	22.86	312.85	1,459.9	141.2	-158.2	212.1	1.93	1.89	1.08
1,552.0	24.25	313.90	1,518.6	158.8	-176.8	237.6	2.27	2.17	1.64
1,615.0	25.25	314.77	1,575.8	177.2	-195.7	263.9	1.69	1.59	1.38
1,679.0	25.83	315.85	1,633.6	196.8	-215.1	291.5	1.16	0.91	1.69
1,742.0	27.50	316.79	1,689.9	217.3	-234.6	319.6	2.73	2.65	1.49
1,806.0	28.71	317.52	1,746.3	239.4	-255.1	349.6	1.97	1.89	1.14
1,869.0	29.18	317.04	1,801.4	261.8	-275.8	379.9	0.83	0.75	-0.76
1,933.0	29.53	316.31	1,857.2	284.6	-297.3	411.1	0.78	0.55	-1.14
1,996.0	29.48	316.00	1,912.1	307.0	-318.8	442.0	0.26	-0.08	-0.49
2,060.0	29.52	315.52	1,967.8	329.6	-340.8	473.4	0.37	0.06	-0.75
2,123.0	28.98	313.70	2,022.7	351.2	-362.7	504.2	1.65	-0.86	-2.89
2,187.0	28.03	313.24	2,079.0	372.2	-384.9	534.7	1.52	-1.48	-0.72
2,250.0	27.35	311.99	2,134.8	392.0	-406.4	563.9	1.42	-1.08	-1.98
2,313.0	27.10	311.13	2,190.8	411.1	-428.0	592.8	0.74	-0.40	-1.37
2,376.0	26.51	310.88	2,247.0	429.8	-449.4	621.2	0.95	-0.94	-0.40
2,440.0	26.76	310.31	2,304.2	448.5	-471.2	649.9	0.56	0.39	-0.89
2,503.0	27.41	310.45	2,360.3	467.0	-493.0	678.5	1.04	1.03	0.22
2,567.0	28.17	309.68	2,416.9	486.2	-515.9	708.4	1.31	1.19	-1.20
2,630.0	28.60	309.73	2,472.3	505.4	-538.9	738.3	0.68	0.68	0.08
2,694.0	28.95	309.76	2,528.4	525.1	-562.6	769.1	0.55	0.55	0.05
2,757.0	28.71	309.02	2,583.6	544.4	-586.1	799.5	0.68	-0.38	-1.17
2,820.0	29.11	308.77	2,638.8	563.5	-609.8	829.9	0.66	0.63	-0.40
2,884.0	28.98	308.26	2,694.7	582.8	-634.1	861.0	0.44	-0.20	-0.80
2,947.0	27.95	307.76	2,750.1	601.3	-657.8	890.9	1.68	-1.63	-0.79
3,011.0	28.11	309.29	2,806.6	620.0	-681.3	921.0	1.15	0.25	2.39
3,074.0	28.86	310.17	2,862.0	639.3	-704.4	951.0	1.36	1.19	1.40
3,137.0	29.47	310.75	2,917.0	659.2	-727.8	981.7	1.07	0.97	0.92
3,201.0	29.07	310.43	2,972.8	679.5	-751.5	1,013.0	0.67	-0.63	-0.50
3,264.0	27.71	309.32	3,028.2	698.7	-774.5	1,043.0	2.32	-2.16	-1.76
3,327.0	26.33	308.90	3,084.4	716.8	-796.7	1,071.6	2.21	-2.19	-0.67
3,391.0	25.46	307.37	3,141.9	734.1	-818.7	1,099.5	1.71	-1.36	-2.39
3,454.0	24.31	307.59	3,199.1	750.2	-839.7	1,125.9	1.83	-1.83	0.35
3,517.0	23.08	307.27	3,256.8	765.6	-859.8	1,151.2	1.96	-1.95	-0.51
3,580.0	21.06	308.30	3,315.2	780.1	-878.5	1,174.8	3.26	-3.21	1.63
3,644.0	19.75	307.31	3,375.1	793.8	-896.2	1,197.1	2.12	-2.05	-1.55
3,706.0	17.79	308.61	3,433.8	806.0	-911.9	1,217.0	3.23	-3.16	2.10
3,769.0	15.76	309.22	3,494.2	817.4	-926.0	1,235.2	3.23	-3.22	0.97
3,832.0	13.20	309.25	3,555.2	827.4	-938.2	1,250.9	4.06	-4.06	0.05
3,896.0	11.72	307.93	3,617.6	836.0	-949.0	1,264.7	2.35	-2.31	-2.06
3,959.0	10.51	305.78	3,679.5	843.3	-958.7	1,276.8	2.03	-1.92	-3.41
4,022.0	6.80	296.41	3,741.7	848.3	-966.7	1,286.2	6.28	-5.89	-14.87
4,086.0	6.50	296.60	3,805.3	851.6	-973.4	1,293.3	0.47	-0.47	0.30
4,150.0	6.35	298.07	3,868.9	854.9	-979.7	1,300.3	0.35	-0.23	2.30
4,192.0	6.07	301.22	3,910.7	857.2	-983.7	1,304.8	1.05	-0.67	7.50
Last SDI MWD Survey									

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well SJ 30-6 #51B
Project:	SJB (NM Central)	TVD Reference:	AWS 711 @ 6872.0ft (15' DF + 6857' GL)
Site:	SEC 30-T30N-R6W	MD Reference:	AWS 711 @ 6872.0ft (15' DF + 6857' GL)
Well:	SJ 30-6 #51B	North Reference:	True
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	EDM 2003.21 Single User Db

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
257.0	257.0	-0.4	-0.7	First SDI MWD Survey
4,192.0	3,910.7	857.2	-983.7	Last SDI MWD Survey

Checked By: _____	Approved By: _____	Date: _____
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