

pc

Legal WellName : SAN JUAN 30-6 UNIT #3N	API / UWI: 3003930965
Operator: BURLINGTON RESOURCES OIL & GAS COMPANY LP	Surf Loc: 024-030N-006W-J
St/Prov: NEW MEXICO	N/S Dist (ft): 2,631.00 - FSL
County: RIO ARRIBA	E/W Dist (ft): 1,255.00 - FEL

Wellbore Name : Original Hole					
Description	Date	MD Tie In (ft)	Inclination Tie In (°)	Azimuth Tie In (°)	
INCLINATION SURVEY	08/19/2010	.00	.00	.00	
Date	MD (ft)	Incl (°)	Azm (°)	Method	Survey Company
08/19/2010	130.00	.50	.00	Inc-Drop	MOTE
08/19/2010	237.00	.75	.00	Inc-Drop	MOTE
Description	Date	MD Tie In (ft)	Inclination Tie In (°)	Azimuth Tie In (°)	
DIRECTIONAL SURVEY	08/25/2010	.00	.00	.00	
Date	MD (ft)	Incl (°)	Azm (°)	Method	Survey Company
08/25/2010	.00	.00	.00	IncAzi-MWD	Scientific Drilling
08/25/2010	325.00	.18	346.59	IncAzi-MWD	Scientific Drilling
08/25/2010	385.00	.68	289.93	IncAzi-MWD	Scientific Drilling
08/25/2010	447.00	2.54	275.19	IncAzi-MWD	Scientific Drilling
08/25/2010	509.00	3.89	272.61	IncAzi-MWD	Scientific Drilling
08/25/2010	570.00	6.12	270.27	IncAzi-MWD	Scientific Drilling
08/25/2010	632.00	8.23	269.41	IncAzi-MWD	Scientific Drilling
08/25/2010	693.00	10.32	269.51	IncAzi-MWD	Scientific Drilling
08/25/2010	772.00	13.07	268.51	IncAzi-MWD	Scientific Drilling
08/25/2010	863.00	16.16	265.68	IncAzi-MWD	Scientific Drilling
08/25/2010	953.00	18.63	268.00	IncAzi-MWD	Scientific Drilling
08/25/2010	1,043.00	21.40	268.73	IncAzi-MWD	Scientific Drilling
08/26/2010	1,133.00	24.16	269.00	IncAzi-MWD	Scientific Drilling
08/26/2010	1,223.00	27.54	266.35	IncAzi-MWD	Scientific Drilling
08/26/2010	1,314.00	27.26	265.97	IncAzi-MWD	Scientific Drilling
08/26/2010	1,404.00	26.61	266.13	IncAzi-MWD	Scientific Drilling
08/26/2010	1,494.00	26.50	266.16	IncAzi-MWD	Scientific Drilling
08/26/2010	1,584.00	26.41	268.98	IncAzi-MWD	Scientific Drilling
08/26/2010	1,674.00	26.10	268.30	IncAzi-MWD	Scientific Drilling
08/26/2010	1,764.00	26.64	268.30	IncAzi-MWD	Scientific Drilling
08/26/2010	1,854.00	26.29	268.08	IncAzi-MWD	Scientific Drilling
08/26/2010	1,944.00	26.42	267.84	IncAzi-MWD	Scientific Drilling
08/26/2010	2,034.00	27.03	267.51	IncAzi-MWD	Scientific Drilling
08/26/2010	2,124.00	27.10	267.02	IncAzi-MWD	Scientific Drilling
08/26/2010	2,214.00	26.54	266.38	IncAzi-MWD	Scientific Drilling
08/26/2010	2,305.00	25.85	269.37	IncAzi-MWD	Scientific Drilling
08/26/2010	2,395.00	26.31	270.82	IncAzi-MWD	Scientific Drilling

08/26/2010	2,485.00	26.50	270.32	IncAzi-MWD	Scientific Drilling
08/26/2010	2,575.00	27.11	269.96	IncAzi-MWD	Scientific Drilling
08/26/2010	2,665.00	27.86	269.16	IncAzi-MWD	Scientific Drilling
08/26/2010	2,754.00	28.31	268.77	IncAzi-MWD	Scientific Drilling
08/26/2010	2,844.00	28.11	268.44	IncAzi-MWD	Scientific Drilling
08/26/2010	2,934.00	28.51	268.52	IncAzi-MWD	Scientific Drilling
08/26/2010	3,024.00	28.10	268.19	IncAzi-MWD	Scientific Drilling
08/26/2010	3,114.00	26.70	267.49	IncAzi-MWD	Scientific Drilling
08/26/2010	3,204.00	24.92	266.33	IncAzi-MWD	Scientific Drilling
08/26/2010	3,294.00	22.66	265.31	IncAzi-MWD	Scientific Drilling
08/26/2010	3,385.00	20.06	264.12	IncAzi-MWD	Scientific Drilling
08/26/2010	3,474.00	18.55	266.46	IncAzi-MWD	Scientific Drilling
08/27/2010	3,565.00	17.44	268.04	IncAzi-MWD	Scientific Drilling
08/27/2010	3,655.00	17.39	268.20	IncAzi-MWD	Scientific Drilling
08/27/2010	3,745.00	15.95	265.16	IncAzi-MWD	Scientific Drilling
08/27/2010	3,835.00	12.82	265.18	IncAzi-MWD	Scientific Drilling
08/27/2010	3,926.00	10.20	267.48	IncAzi-MWD	Scientific Drilling
08/27/2010	4,016.00	7.35	268.22	IncAzi-MWD	Scientific Drilling
08/27/2010	4,106.00	5.39	267.48	IncAzi-MWD	Scientific Drilling
08/27/2010	4,171.00	4.00	265.87	IncAzi-MWD	Scientific Drilling
Description	Date	MD Tie In (ft)	Inclination Tie In (°)	Azimuth Tie In (°)	
FINAL BH SURVEY	09/07/2010	.00	.00	.00	
Date	MD (ft)	Incl (°)	Azm (°)	Method	Survey Company
09/07/2010	7,981.00	1.00	.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.

John L. Lutz 10/26/2010

Subscribed and sworn to me this 10/26/10

Marie E. Jaramillo
Notary Public in and for San Juan County, New Mexico

My Commission expires 7/28/2014

RCVD OCT 29 '10
OIL CONS. DIV.
DIST. 3

ConocoPhillips

SJB (NM Central)

SEC 24-T30N-R6W

SJ 30-6 #3N

Original Hole

API # 30-039-30965

Survey: Actual

SDI Standard Survey Report

08 October, 2010

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

Richard

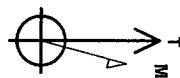
Notorized this date 13th of October, 2010.

Carrie Reed

Notary Signature
County of Midland
State of Texas



Project: SJ-B (NM Central)
Site: SEC 24-T30N-R6W
Well: SJ 30-6 #3N
Wellbore: Original Hole
Design: Plan #1

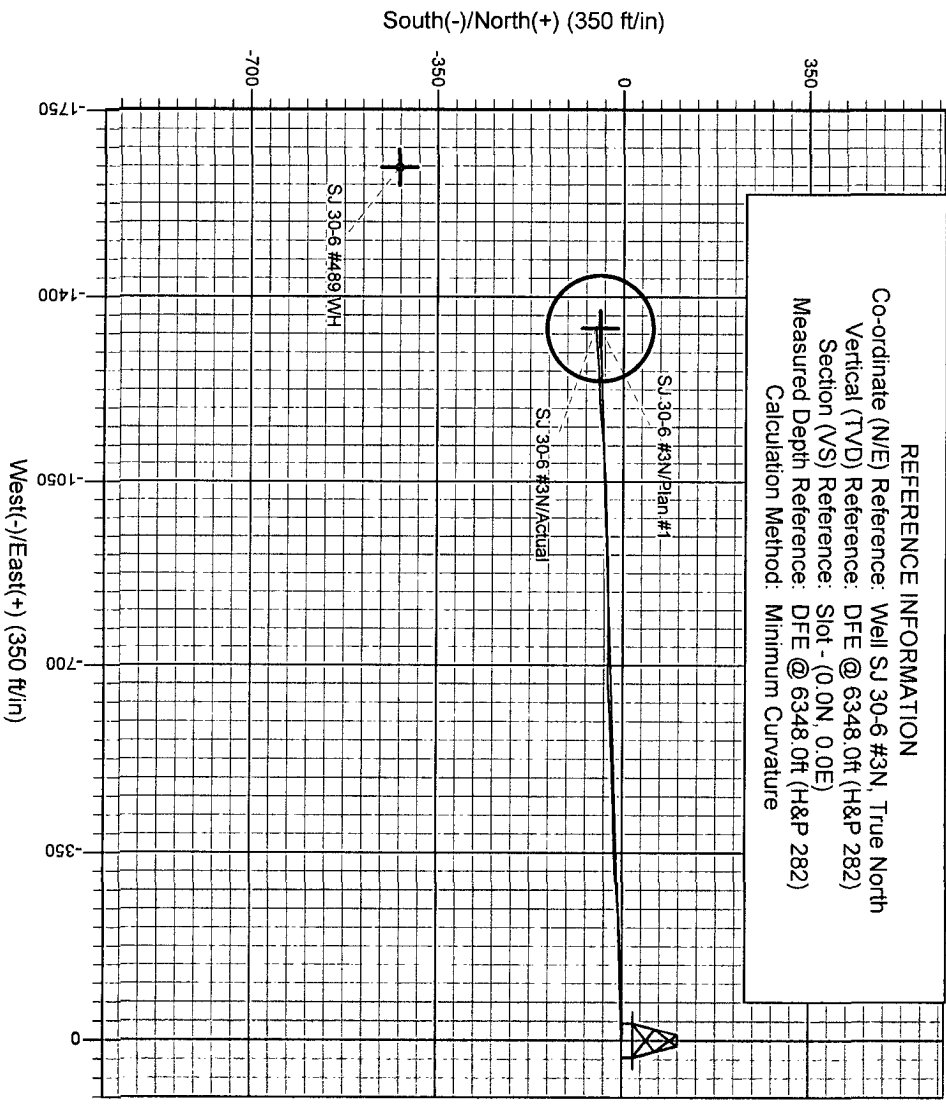
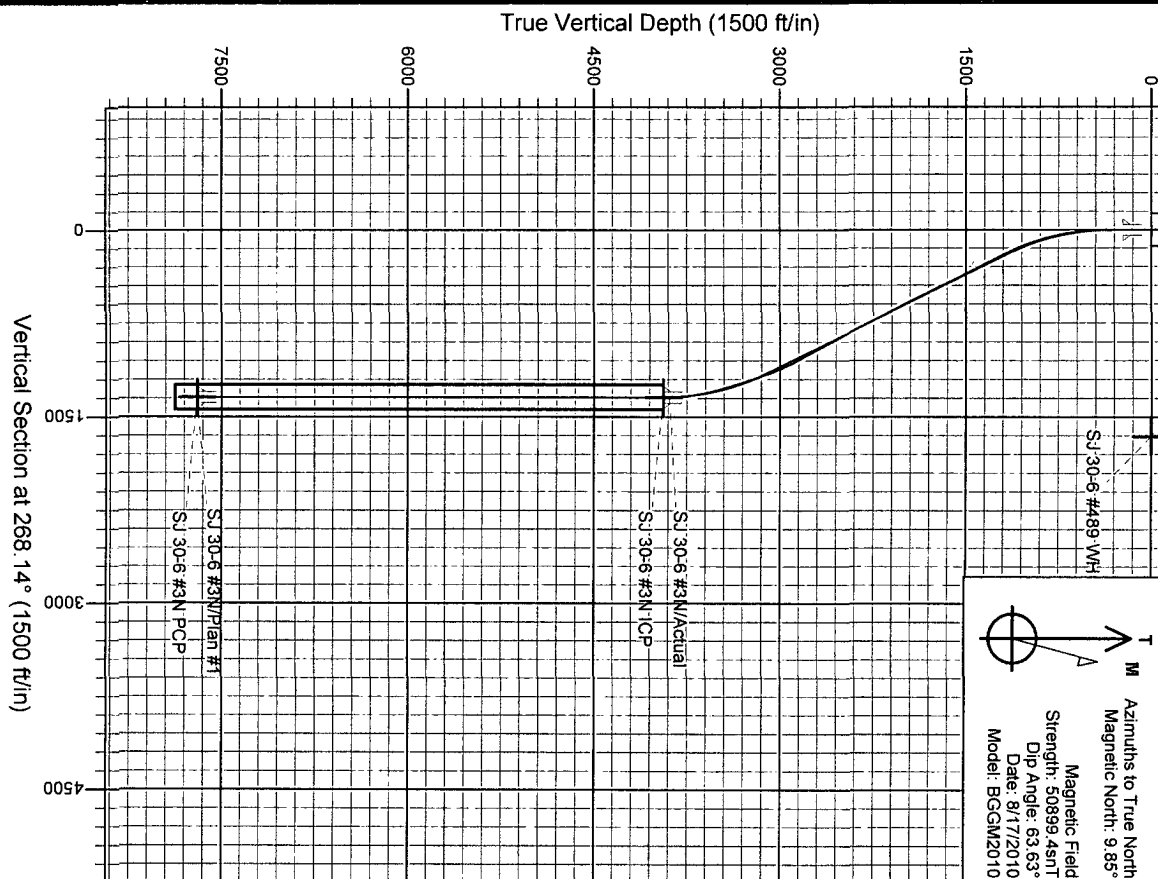


Azimuths to True North
Magnetic North: 9.85°
Magnetic Field
Strength: 50899.45nT
Dip Angle: 63.63°
Date: 8/17/2010
Model: BGGM2010

+N/-S 0.0 +E/-W 0.0 Northing 211790.72

WELL DETAILS: SJ 30-6 #3N
DFE @ 6348.0ft (H&P 282)
Ground Level: 6332.0
Easting 159941.21 36° 47' 53.101 N 107° 24' 41.245 W

Slot



COMPANY DETAILS: ConocoPhillips
Calculation Method: Minimum Curvature
Error System: ISCWSA
Scan Method: Closest Approach 3D
Error Surface: Combined Covariances
Warning Method: Risk Ratio

PROJECT DETAILS: SJ-B (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

SITE DETAILS: SEC 24-T30N-R6W
Rio Arriba County NM
Site Centre Latitude: 36° 48' 7.609 N
Longitude: 107° 25' 11.772 W
Positional Uncertainty: 0.0
Convergence: -0.70
Local North: True

Scientific Drilling International, Inc.

SDI Standard Survey Report

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well SJ 30-6 #3N
Project:	SJB (NM Central)	TVD Reference:	DFE @ 6348.0ft (H&P 282)
Site:	SEC 24-T30N-R6W	MD Reference:	DFE @ 6348.0ft (H&P 282)
Well:	SJ 30-6 #3N	North Reference:	True
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	edmCOP

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 24-T30N-R6W		
Site Position:		Northing:	2,113,288.16 ft
From:	Lat/Long	Easting:	157,476.33 ft
Position Uncertainty:	0.0 ft	Slot Radius:	6-1/8"
		Latitude:	36° 48' 7.609 N
		Longitude:	107° 25' 11.772 W
		Grid Convergence:	-0.70 °

Well	SJ 30-6 #3N, S-Type MV/DK Well		
Well Position	+N/-S	0.0 ft	Northing: 2,111,790.72 ft
	+E/-W	0.0 ft	Easting: 159,941.21 ft
Position Uncertainty	3.5 ft	Wellhead Elevation:	ft
		Latitude:	36° 47' 53.101 N
		Longitude:	107° 24' 41.245 W
		Ground Level:	6,332.0 ft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2010	8/17/2010	9.85	63.63	50,899

Design	Original Hole			
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	267.83

Survey Program	Date	10/8/2010		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
325.0	4,171.0	Actual (Original Hole)	MWD SDI	MWD - Standard ver 1.0.1

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (ft)	East/West (ft)	Closure Azimuth (°)	Closure Distance (ft)		
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.0		
325.0	0.18	346.59	325.0	0.5	-0.1	346.59	0.5		
385.0	0.68	289.93	385.0	0.7	-0.5	326.20	0.9		
447.0	2.54	275.19	447.0	1.0	-2.2	293.66	2.4		
509.0	3.89	272.61	508.9	1.2	-5.7	281.77	5.8		
570.0	6.12	270.27	569.6	1.3	-11.0	276.70	11.1		
632.0	8.23	269.41	631.1	1.3	-18.7	273.85	18.8		
693.0	10.32	269.51	691.3	1.2	-28.6	272.34	28.6		
772.0	13.07	268.51	768.7	0.9	-44.6	271.12	44.6		
863.0	16.16	265.68	856.7	-0.3	-67.5	269.70	67.5		
953.0	18.63	268.00	942.6	-1.8	-94.3	268.91	94.4		
1,043.0	21.40	268.73	1,027.2	-2.7	-125.1	268.78	125.2		

Scientific Drilling International, Inc.
SDI Standard Survey Report

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well SJ 30-6 #3N
Project:	SJB (NM Central)	TVD Reference:	DFE @ 6348.0ft (H&P 282)
Site:	SEC 24-T30N-R6W	MD Reference:	DFE @ 6348.0ft (H&P 282)
Well:	SJ 30-6 #3N	North Reference:	True
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	edmCOP

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (ft)	East/West (ft)	Closure Azimuth (°)	Closure Distance (ft)
1,133.0	24.16	269.00	1,110.2	-3.3	-160.0	268.80	160.0
1,223.0	27.54	266.35	1,191.1	-5.0	-199.2	268.56	199.2
1,314.0	27.26	265.97	1,271.9	-7.8	-240.9	268.15	241.1
1,404.0	26.61	266.13	1,352.2	-10.6	-281.6	267.84	281.8
1,494.0	26.50	266.16	1,432.7	-13.3	-321.8	267.63	322.0
1,584.0	26.41	268.98	1,513.2	-15.0	-361.8	267.62	362.1
1,674.0	26.10	268.30	1,594.0	-16.0	-401.6	267.73	401.9
1,764.0	26.64	268.30	1,674.6	-17.1	-441.6	267.78	441.9
1,854.0	26.29	268.08	1,755.2	-18.4	-481.7	267.81	482.0
1,944.0	26.42	267.84	1,835.8	-19.8	-521.6	267.82	522.0
2,034.0	27.03	267.51	1,916.2	-21.5	-562.0	267.81	562.4
2,124.0	27.10	267.02	1,996.3	-23.4	-602.9	267.78	603.4
2,214.0	26.54	266.38	2,076.7	-25.8	-643.5	267.71	644.0
2,305.0	25.85	269.37	2,158.3	-27.3	-683.6	267.72	684.1
2,395.0	26.31	270.82	2,239.2	-27.2	-723.2	267.85	723.7
2,485.0	26.50	270.32	2,319.8	-26.8	-763.2	267.99	763.6
2,575.0	27.11	269.96	2,400.1	-26.7	-803.8	268.10	804.2
2,665.0	27.86	269.16	2,479.9	-27.0	-845.3	268.17	845.7
2,754.0	28.31	268.77	2,558.5	-27.8	-887.2	268.21	887.6
2,844.0	28.11	268.44	2,637.8	-28.8	-929.7	268.22	930.2
2,934.0	28.51	268.52	2,717.0	-29.9	-972.4	268.24	972.8
3,024.0	28.10	268.19	2,796.2	-31.2	-1,015.0	268.24	1,015.5
3,114.0	26.70	267.49	2,876.1	-32.7	-1,056.4	268.23	1,056.9
3,204.0	24.92	266.33	2,957.2	-34.8	-1,095.6	268.18	1,096.1
3,294.0	22.66	265.31	3,039.5	-37.5	-1,131.8	268.10	1,132.4
3,385.0	20.06	264.12	3,124.3	-40.5	-1,164.8	268.01	1,165.5
3,474.0	18.55	266.46	3,208.2	-42.9	-1,194.1	267.94	1,194.8
3,565.0	17.44	268.04	3,294.8	-44.3	-1,222.2	267.92	1,223.0
3,655.0	17.39	268.20	3,380.7	-45.2	-1,249.1	267.93	1,249.9
3,745.0	15.95	265.16	3,466.9	-46.6	-1,274.8	267.90	1,275.7
3,835.0	12.82	265.18	3,554.1	-48.5	-1,297.1	267.86	1,298.0
3,926.0	10.20	267.48	3,643.2	-49.7	-1,315.2	267.84	1,316.2
4,016.0	7.35	268.22	3,732.2	-50.3	-1,329.0	267.83	1,329.9
4,106.0	5.39	267.48	3,821.6	-50.6	-1,338.9	267.84	1,339.9
4,171.0	4.00	265.87	3,886.4	-50.9	-1,344.2	267.83	1,345.2