

COP Deviation Report
SAN JUAN 30-5 UNIT #111E

Operator CONOCOPHILLIPS COMPANY	Legal WellName SAN JUAN 30-5 UNIT #111E	API / UWI 3003930665	County RIO ARRIBA	State/Province NEW MEXICO
Surface Legal Location 013-030N-005W-F	N/S Dist (ft) 1,415.00	N/S Ref FNL	E/W Dist (ft) 1,490.00	E/W Ref FWL
Survey Data				
Date	MD (ftKB)	Incl (°)	Method	Survey Company
7/18/2010	0.00	0.00	IncAzi-MWD	Scientific Drilling
6/29/2010	130.00	1.00	Inc-WL	MOTE
6/29/2010	235.00	1.75	Inc-WL	MOTE
7/18/2010	261.00	0.74	IncAzi-MWD	Scientific Drilling
7/18/2010	400.00	0.30	IncAzi-MWD	Scientific Drilling
7/18/2010	500.00	0.24	IncAzi-MWD	Scientific Drilling
7/16/2010	500.00	0.50	Inc-WL	AWS 711 , TELEDRIFT
7/18/2010	600.00	0.47	IncAzi-MWD	Scientific Drilling
7/18/2010	700.00	0.64	IncAzi-MWD	Scientific Drilling
7/18/2010	800.00	0.69	IncAzi-MWD	Scientific Drilling
7/18/2010	900.00	0.91	IncAzi-MWD	Scientific Drilling
7/18/2010	1,000.00	1.39	IncAzi-MWD	Scientific Drilling
7/16/2010	1,000.00	1.00	Inc-WL	AWS 711 , TELEDRIFT
7/18/2010	1,100.00	1.85	IncAzi-MWD	Scientific Drilling
7/18/2010	1,200.00	2.11	IncAzi-MWD	Scientific Drilling
7/18/2010	1,300.00	3.06	IncAzi-MWD	Scientific Drilling
7/18/2010	1,400.00	3.67	IncAzi-MWD	Scientific Drilling
7/18/2010	1,500.00	3.88	IncAzi-MWD	Scientific Drilling
7/18/2010	1,600.00	4.67	IncAzi-MWD	Scientific Drilling
7/18/2010	1,700.00	5.20	IncAzi-MWD	Scientific Drilling
7/16/2010	1,750.00	3.00	Inc-WL	AWS 711 , TELEDRIFT
7/18/2010	1,800.00	5.71	IncAzi-MWD	Scientific Drilling
7/18/2010	1,900.00	6.17	IncAzi-MWD	Scientific Drilling
7/18/2010	2,000.00	5.93	IncAzi-MWD	Scientific Drilling
7/16/2010	2,000.00	3.00	Inc-WL	AWS 711 , TELEDRIFT
7/18/2010	2,100.00	6.38	IncAzi-MWD	Scientific Drilling
7/18/2010	2,200.00	6.26	IncAzi-MWD	Scientific Drilling
7/16/2010	2,250.00	3.00	Inc-WL	AWS 711 , TELEDRIFT
7/18/2010	2,300.00	6.33	IncAzi-MWD	Scientific Drilling
7/18/2010	2,400.00	6.59	IncAzi-MWD	Scientific Drilling
7/18/2010	2,500.00	6.37	IncAzi-MWD	Scientific Drilling
7/17/2010	2,500.00	3.00	Inc-WL	AWS 711 , TELEDRIFT
7/17/2010	2,600.00	6.25	Inc-WL	AWS 711 , WIRE LINE
7/18/2010	2,600.00	6.29	IncAzi-MWD	Scientific Drilling
7/18/2010	2,700.00	6.69	IncAzi-MWD	Scientific Drilling
7/17/2010	2,800.00	6.25	Inc-WL	AWS 711 , WIRE LINE

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.

Subscribed and sworn to me this 24th Sept

James L Goodwin

Notary Public in and for San Juan County, New Mexico

My Commission expires Feb. 28th 2012

*Hold c-104 for direct load survey
as drilled plot.*

COP Deviation Report
SAN JUAN 30-5 UNIT #111E

Survey Data				
Date	MD (ftKB)	Incl (°)	Method	Survey Company
7/18/2010	2,826.00	6.25	IncAzi-MWD	Scientific Drilling
7/18/2010	2,879.00	6.84	IncAzi-MWD	Scientific Drilling
7/18/2010	2,911.00	5.92	IncAzi-MWD	Scientific Drilling
7/18/2010	2,943.00	5.19	IncAzi-MWD	Scientific Drilling
7/18/2010	2,975.00	4.20	IncAzi-MWD	Scientific Drilling
7/18/2010	3,006.00	3.47	IncAzi-MWD	Scientific Drilling
7/18/2010	3,038.00	3.28	IncAzi-MWD	Scientific Drilling
7/18/2010	3,069.00	3.85	IncAzi-MWD	Scientific Drilling
7/18/2010	3,101.00	5.03	IncAzi-MWD	Scientific Drilling
7/18/2010	3,132.00	6.12	IncAzi-MWD	Scientific Drilling
7/18/2010	3,164.00	7.47	IncAzi-MWD	Scientific Drilling
7/18/2010	3,195.00	8.20	IncAzi-MWD	Scientific Drilling
7/18/2010	3,226.00	9.07	IncAzi-MWD	Scientific Drilling
7/18/2010	3,258.00	9.78	IncAzi-MWD	Scientific Drilling
7/18/2010	3,290.00	9.93	IncAzi-MWD	Scientific Drilling
7/18/2010	3,322.00	9.99	IncAzi-MWD	Scientific Drilling
7/18/2010	3,353.00	9.37	IncAzi-MWD	Scientific Drilling
7/18/2010	3,384.00	8.94	IncAzi-MWD	Scientific Drilling
7/18/2010	3,416.00	8.89	IncAzi-MWD	Scientific Drilling
7/18/2010	3,448.00	9.38	IncAzi-MWD	Scientific Drilling
7/18/2010	3,479.00	9.27	IncAzi-MWD	Scientific Drilling
7/18/2010	3,511.00	9.12	IncAzi-MWD	Scientific Drilling
7/18/2010	3,542.00	8.44	IncAzi-MWD	Scientific Drilling
7/18/2010	3,574.00	8.69	IncAzi-MWD	Scientific Drilling
7/18/2010	3,606.00	8.58	IncAzi-MWD	Scientific Drilling
7/18/2010	3,637.00	8.44	IncAzi-MWD	Scientific Drilling
7/18/2010	3,669.00	8.26	IncAzi-MWD	Scientific Drilling
7/18/2010	3,700.00	9.44	IncAzi-MWD	Scientific Drilling
7/19/2010	3,732.00	9.54	IncAzi-MWD	Scientific Drilling
7/19/2010	3,763.00	10.03	IncAzi-MWD	Scientific Drilling
7/19/2010	3,795.00	10.44	IncAzi-MWD	Scientific Drilling
7/19/2010	3,827.00	10.37	IncAzi-MWD	Scientific Drilling
7/19/2010	3,859.00	10.36	IncAzi-MWD	Scientific Drilling
7/19/2010	3,890.00	10.07	IncAzi-MWD	Scientific Drilling
7/19/2010	3,922.00	10.21	IncAzi-MWD	Scientific Drilling
7/19/2010	3,954.00	10.09	IncAzi-MWD	Scientific Drilling
7/19/2010	3,986.00	10.01	IncAzi-MWD	Scientific Drilling
7/19/2010	4,018.00	9.82	IncAzi-MWD	Scientific Drilling
7/19/2010	4,050.00	9.61	IncAzi-MWD	Scientific Drilling

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.

Subscribed and sworn to me this 24th Sept
James L. Goodwin

Notary Public in and for San Juan County, New Mexico

My Commission expires Feb. 28th 2012

Survey Data					
Date	MD (ftKB)	Incl (°)	Method	Survey Company	
7/19/2010	4,082.00	9.15	IncAzi-MWD	Scientific Drilling	
7/19/2010	4,114.00	7.84	IncAzi-MWD	Scientific Drilling	
7/19/2010	4,145.00	7.34	IncAzi-MWD	Scientific Drilling	
7/19/2010	4,176.00	6.60	IncAzi-MWD	Scientific Drilling	
7/19/2010	4,208.00	5.28	IncAzi-MWD	Scientific Drilling	
7/19/2010	4,240.00	4.40	IncAzi-MWD	Scientific Drilling	
7/19/2010	4,271.00	3.74	IncAzi-MWD	Scientific Drilling	
8/3/2010	8,333.00	1.00	Inc-WL	PHOENIX	

RCVD SEP 27 '10

OIL CONS. DIV.

DIST. 3

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.

Subscribed and sworn to me this

24th Sept

Jamie Grooch
Notary Public in and for San Juan County, New Mexico

My Commission expires

Feb. 28th 2012

RCVD OCT 12 '10
OIL CONS. DIV.

DIS. 3

ConocoPhillips

SJB (NM Central)
SEC 13-T30N-R5W
SJ 30-5 #111E
Original Hole

Survey: SDI MWD

SDI Standard Survey Report

29 August, 2010

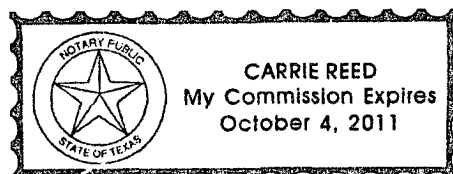
This survey is correct to the best of my knowledge and is supported by actual field data.

[Signature]

Notorized this date 5th of October, 2010.

[Signature]

Notary Signature
County of Midland
State of Texas

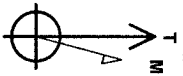




Scientific Drilling
Directional Drilling Operations

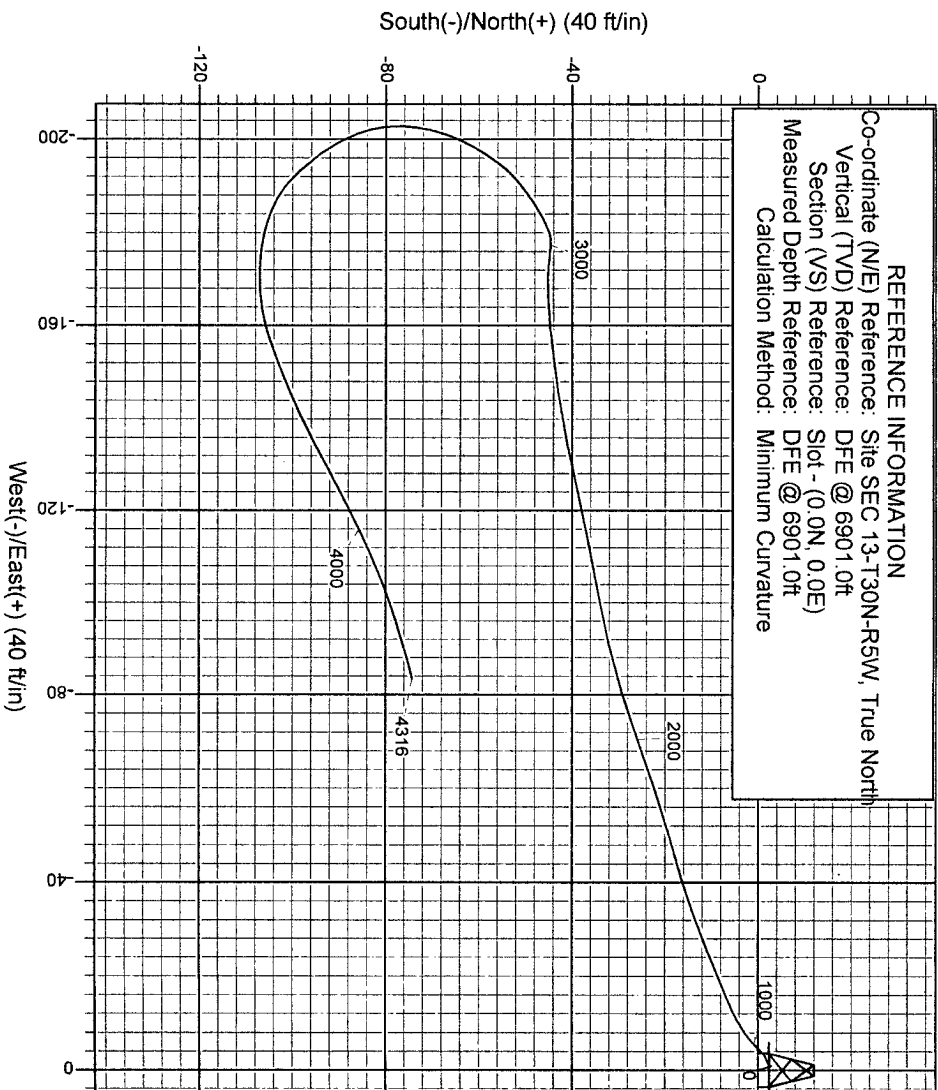
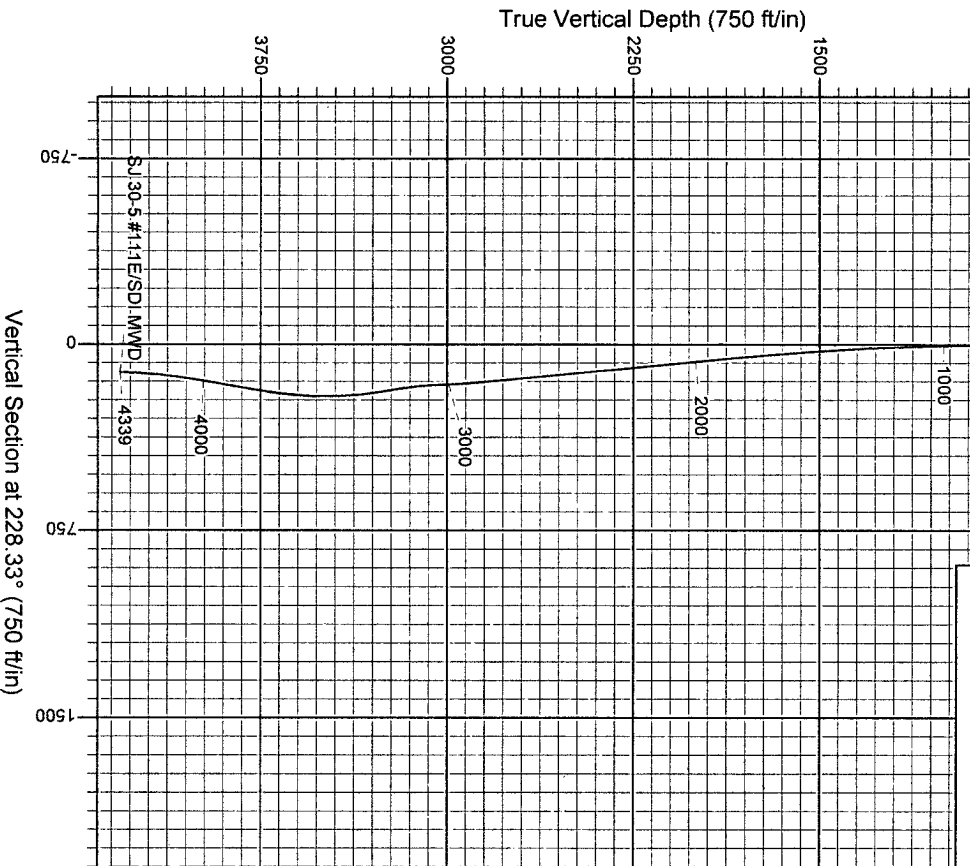
Project: SJB (NM Central)
Site: SEC 13-T30N-R5W
Well: SJ 30-5 #111E
Wellbore: Original Hole
Design: As Drilled

ConocoPhillips



Azinuths to True North:
Magnetic North: 9.82°
Magnetic Field:
Strength: 50926.3nT
Dip Angle: 63.67°
Date: 7/20/2010
Model: BGM2010

	+N/-S	+E/-W	North	East	Latitude	Longitude
Well Details: SJ 30-5 #111E						
DFE @ 6901.0ft						
Ground Level: 6886.0						
2117963.09						
189140.41						
36° 48' 57.484 N						
107° 18' 43.123 W						



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: 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

SITE DETAILS: SEC 13-T30N-R5W
Rio Arriba County NM
Site Centre Latitude: 36° 48' 57.484 N
Longitude: 107° 18' 43.123 W
Positional Uncertainty: 7.5
Convergence: -0.64
Local North: True

Scientific Drilling International, Inc.

SDI Standard Survey Report

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well SJ 30-5 #111E
Project:	SJB (NM Central)	TVD Reference:	DFE @ 6901.0ft
Site:	SEC 13-T30N-R5W	MD Reference:	DFE @ 6901.0ft
Well:	SJ 30-5 #111E	North Reference:	True
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	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 13-T30N-R5W		
Site Position:		Northing:	2,117,963.09 ft
From:	Lat/Long	Easting:	189,140.41 ft
Position Uncertainty:	15.0 ft	Slot Radius:	6-1/8"
		Latitude:	36° 48' 57.484 N
		Longitude:	107° 18' 43.123 W
		Grid Convergence:	-0.64 °

Well	SJ 30-5 #111E, MV/DK Well (ST)		
Well Position	+N-S	0.0 ft	Northing: 2,117,963.09 ft
	+E-W	0.0 ft	Easting: 189,140.41 ft
Position Uncertainty	3.5 ft	Wellhead Elevation:	ft
		Latitude:	36° 48' 57.484 N
		Longitude:	107° 18' 43.123 W
		Ground Level:	6,886.0 ft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2010	7/20/2010	9.82	63.67	50,926

Design	As Drilled			
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	228.33

Survey Program	Date	8/26/2010		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
261.0	2,700.0	SDI Gyro (Original Hole)	WL Keeper Drillpipe 1.03	Standard Wireline Keeper Drillpipe 1.03
2,826.0	4,339.0	SDI MWD (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	
261.0	0.74	342.46	261.0	1.6	-0.5	342.46	1.7	
400.0	0.30	336.07	400.0	2.8	-0.9	341.67	2.9	
500.0	0.24	160.00	500.0	2.8	-1.0	341.30	3.0	
600.0	0.47	223.49	600.0	2.3	-1.2	333.45	2.6	
700.0	0.64	256.60	700.0	1.9	-2.0	313.83	2.8	
800.0	0.69	236.83	800.0	1.5	-3.0	295.59	3.4	
900.0	0.91	225.57	900.0	0.6	-4.1	277.92	4.2	
1,000.0	1.39	225.44	999.9	-0.8	-5.5	261.44	5.6	
1,100.0	1.85	235.22	1,099.9	-2.6	-7.7	251.38	8.2	
1,200.0	2.11	239.88	1,199.8	-4.5	-10.7	247.33	11.5	

Scientific Drilling International, Inc.
SDI Standard Survey Report

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well SJ 30-5 #111E
Project:	SJB (NM Central)	TVD Reference:	DFE @ 6901.0ft
Site:	SEC 13-T30N-R5W	MD Reference:	DFE @ 6901.0ft
Well:	SJ 30-5 #111E	North Reference:	True
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	edmCOP

Survey							
Measured Depth (ft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (ft)	East/West (ft)	Closure Azimuth (°)	Closure Distance (ft)
1,300.0	3.06	247.39	1,299.7	-6.4	-14.7	246.49	16.0
1,400.0	3.67	246.76	1,399.6	-8.7	-20.1	246.64	21.9
1,500.0	3.88	248.85	1,499.4	-11.2	-26.2	246.91	28.5
1,600.0	4.67	248.79	1,599.1	-13.9	-33.2	247.31	35.9
1,700.0	5.20	253.75	1,698.7	-16.6	-41.3	248.10	44.5
1,800.0	5.71	254.07	1,798.2	-19.2	-50.4	249.12	54.0
1,900.0	6.17	251.02	1,897.7	-22.4	-60.3	249.66	64.3
2,000.0	5.93	250.13	1,997.2	-25.9	-70.2	249.79	74.9
2,100.0	6.38	252.88	2,096.6	-29.2	-80.4	250.01	85.6
2,200.0	6.26	256.95	2,196.0	-32.1	-91.0	250.57	96.5
2,300.0	6.33	259.84	2,295.4	-34.3	-101.8	251.37	107.4
2,400.0	6.59	258.77	2,394.7	-36.4	-112.8	252.12	118.6
2,500.0	6.37	257.49	2,494.1	-38.7	-123.9	252.64	129.8
2,600.0	6.29	258.75	2,593.5	-41.0	-134.7	253.07	140.8
2,700.0	6.69	260.95	2,692.8	-43.0	-145.8	253.57	152.0

Scientific Drilling International, Inc.
SDI Standard Survey Report

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well SJ 30-5 #111E
Project:	SJB (NM Central)	TVD Reference:	DFE @ 6901.0ft
Site:	SEC 13-T30N-R5W	MD Reference:	DFE @ 6901.0ft
Well:	SJ 30-5 #111E	North Reference:	True
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	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 13-T30N-R5W			
Site Position:		Northing:	2,117,963.09 ft	Latitude:	36° 48' 57.484 N
From:	Lat/Long	Easting:	189,140.41 ft	Longitude:	107° 18' 43.123 W
Position Uncertainty:	15.0 ft	Slot Radius:	6-1/8"	Grid Convergence:	-0.64 °

Well	SJ 30-5 #111E, MV/DK Well (ST)					
Well Position	+N/-S	0.0 ft	Northing:	2,117,963.09 ft	Latitude:	36° 48' 57.484 N
	+E/-W	0.0 ft	Easting:	189,140.41 ft	Longitude:	107° 18' 43.123 W
Position Uncertainty		3.5 ft	Wellhead Elevation:	ft	Ground Level:	6,886.0 ft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2010	7/20/2010	9.82	63.67	50,926

Design	As Drilled				
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	228.33	

Survey Program	Date 8/26/2010				
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
261.0	2,700.0	SDI Gyro (Original Hole)	WL Keeper Drillpipe 1.03	Standard Wireline Keeper Drillpipe 1.03	
2,826.0	4,339.0	SDI MWD (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)	
2,700.0	6.69	260.95	2,692.8	-43.0	-145.8	253.57	152.0	
2,826.0	6.25	265.23	2,818.0	-44.7	-159.9	254.38	166.0	
2,879.0	6.84	267.42	2,870.7	-45.1	-165.9	254.79	171.9	
2,911.0	5.92	269.48	2,902.5	-45.2	-169.5	255.07	175.4	
2,943.0	5.19	275.73	2,934.3	-45.1	-172.5	255.36	178.3	
2,975.0	4.20	277.32	2,966.2	-44.8	-175.1	255.66	180.8	
3,006.0	3.47	271.40	2,997.2	-44.6	-177.2	255.87	182.7	
3,038.0	3.28	262.34	3,029.1	-44.7	-179.1	255.99	184.6	
3,069.0	3.85	246.62	3,060.1	-45.2	-180.9	255.96	186.5	
3,101.0	5.03	243.74	3,092.0	-46.3	-183.2	255.82	188.9	
3,132.0	6.12	236.59	3,122.8	-47.8	-185.8	255.57	191.8	

Scientific Drilling International, Inc.
SDI Standard Survey Report

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well SJ 30-5 #111E
Project:	SJB (NM Central)	TVD Reference:	DFE @ 6901.0ft
Site:	SEC 13-T30N-R5W	MD Reference:	DFE @ 6901.0ft
Well:	SJ 30-5 #111E	North Reference:	True
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	edmCOP

Survey							
Measured Depth (ft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (ft)	East/West (ft)	Closure Azimuth (°)	Closure Distance (ft)
3,164.0	7.47	233.23	3,154.6	-50.0	-188.9	255.18	195.4
3,195.0	8.20	226.61	3,185.3	-52.7	-192.1	254.66	199.2
3,226.0	9.07	216.98	3,215.9	-56.2	-195.1	253.94	203.1
3,258.0	9.78	209.84	3,247.5	-60.5	-198.0	253.00	207.1
3,290.0	9.93	202.24	3,279.0	-65.5	-200.4	251.91	210.8
3,322.0	9.99	192.50	3,310.6	-70.7	-202.1	250.71	214.1
3,353.0	9.37	182.90	3,341.1	-75.9	-202.8	249.49	216.5
3,384.0	8.94	172.13	3,371.7	-80.8	-202.6	248.26	218.1
3,416.0	8.89	159.45	3,403.3	-85.5	-201.4	246.98	218.8
3,448.0	9.38	152.15	3,434.9	-90.2	-199.3	245.65	218.7
3,479.0	9.27	143.10	3,465.5	-94.4	-196.6	244.35	218.1
3,511.0	9.12	137.75	3,497.1	-98.3	-193.3	243.04	216.9
3,542.0	8.44	128.36	3,527.8	-101.6	-189.9	241.86	215.4
3,574.0	8.69	115.31	3,559.4	-104.1	-185.9	240.76	213.0
3,606.0	8.58	104.75	3,591.0	-105.7	-181.4	239.77	209.9
3,637.0	8.44	96.85	3,621.7	-106.6	-176.9	238.93	206.5
3,669.0	8.26	94.28	3,653.4	-107.0	-172.3	238.15	202.8
3,700.0	9.44	85.51	3,684.0	-107.0	-167.5	237.44	198.8
3,732.0	9.54	78.57	3,715.6	-106.2	-162.3	236.79	194.0
3,763.0	10.03	72.16	3,746.1	-104.9	-157.2	236.28	189.0
3,795.0	10.44	68.38	3,777.6	-103.0	-151.9	235.85	183.5
3,827.0	10.37	67.32	3,809.1	-100.8	-146.5	235.47	177.8
3,859.0	10.36	65.91	3,840.6	-98.5	-141.2	235.10	172.2
3,890.0	10.07	61.93	3,871.1	-96.1	-136.3	234.81	166.8
3,922.0	10.21	61.77	3,902.6	-93.5	-131.3	234.56	161.2
3,954.0	10.09	63.50	3,934.1	-90.9	-126.3	234.27	155.6
3,986.0	10.01	62.97	3,965.6	-88.3	-121.3	233.94	150.1
4,018.0	9.82	64.33	3,997.1	-85.9	-116.4	233.57	144.7
4,050.0	9.61	65.91	4,028.6	-83.6	-111.5	233.13	139.4
4,082.0	9.15	68.57	4,060.2	-81.6	-106.7	232.58	134.3
4,114.0	7.84	69.32	4,091.9	-79.9	-102.3	232.00	129.8
4,145.0	7.34	71.20	4,122.6	-78.5	-98.4	231.41	125.9
4,176.0	6.60	74.72	4,153.4	-77.4	-94.8	230.77	122.4
4,208.0	5.28	73.14	4,185.2	-76.5	-91.6	230.14	119.4
4,240.0	4.40	73.54	4,217.1	-75.7	-89.1	229.62	116.9
4,271.0	3.74	75.01	4,248.0	-75.1	-86.9	229.17	114.9
4,339.0	2.29	78.23	4,315.9	-74.3	-83.5	228.33	111.7