

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  
1501 W. Grand Avenue, Artesia, N.M. 88210

Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

DISTRICT III  
1000 Rio Brazos Rd., Aztec, N.M. 87410

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

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

AMENDED REPORT

"AS DRILLED PLAT"  
WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-039-30641	<sup>2</sup> Pool Code 71599 / 72319	<sup>3</sup> Pool Name BASIN DAKOTA/BLANCO MESAVERDE
<sup>4</sup> Property Code 7460	<sup>5</sup> Property Name SAN JUAN 28-5 UNIT	<sup>6</sup> Well Number 101 P
<sup>7</sup> GRID No. 14538	<sup>8</sup> Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	<sup>9</sup> Elevation 7415'

<sup>10</sup> Surface Location

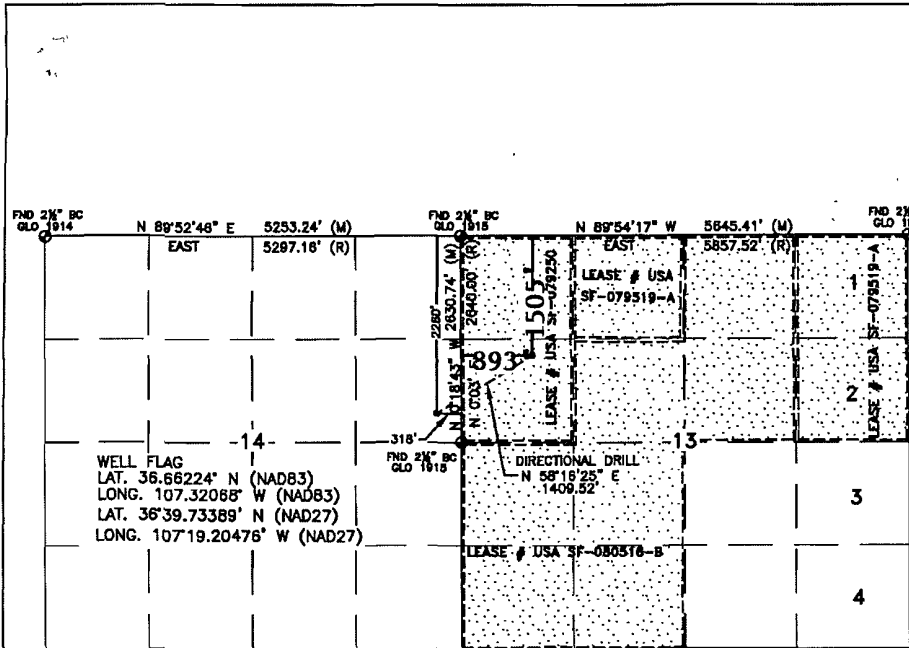
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	14	28N	5W		2260'	NORTH	318'	EAST	RIO ARRIBA

<sup>11</sup> 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
E	13	28N	5W		1505'	NORTH	893'	WEST	RIO ARRIBA

<sup>12</sup> Dedicated Acres MV-343.07 Acres - (N/2) DK-320.00 Acres - (W/2)	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No. RCVD AUG 31 '10 OIL CONS. DIV.
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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 **DISL 3**



<sup>17</sup> 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 or a compulsory pooling order heretofore entered by the division.

*Crystal Tafoya* 8/30/10  
Signature Date

Crystal Tafoya 8/30/10  
Printed Name

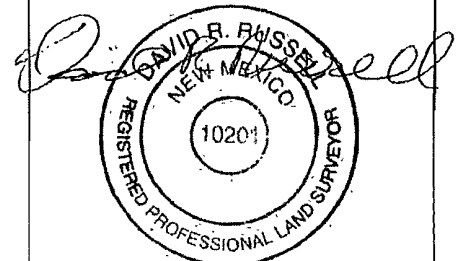
<sup>18</sup> SURVEYOR CERTIFICATION

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.

JULY 23, 2008

Date of Survey

Signature and Seal of Professional Surveyor:



DAVID RUSSELL

Certificate Number

10201

<b>Legal WellName :</b> SAN JUAN 28-5 UNIT #101P	<b>API / UWI:</b> 3003930641
<b>Operator:</b> BURLINGTON RESOURCES OIL & GAS COMPANY LP	<b>Surf Loc:</b> 014-028N-005W-H
<b>St/Prov:</b> NEW MEXICO	<b>N/S Dist (ft):</b> 2,260.00 - FNL
<b>County:</b> RIO ARRIBA	<b>E/W Dist (ft):</b> 318.00 - FEL

RCVD AUG 31 10  
 OIL CONS. DIV.  
 DIST. 3

**Wellbore Name : Original Hole**

Description	Date	MD Tie In (ft)	Inclination Tie In (°)	Azimuth Tie In (°)
INCLINATION SURVEY	06/01/2010	.00	.00	.00

Date	MD (ft)	Incl (°)	Azm (°)	Method	Survey Company
06/01/2010	135.00	.75	.00	Inc-WL	MOTE
06/01/2010	235.00	.75	.00	Inc-WL	MOTE

Description	Date	MD Tie In (ft)	Inclination Tie In (°)	Azimuth Tie In (°)
DIRECTIONAL SURVEYS	06/15/2010	.00	.00	.00

Date	MD (ft)	Incl (°)	Azm (°)	Method	Survey Company
06/15/2010	265.00	.86	7.27	IncAzi-MWD	Scientific Drilling
06/15/2010	326.00	1.21	41.92	IncAzi-MWD	Scientific Drilling
06/15/2010	387.00	2.33	50.76	IncAzi-MWD	Scientific Drilling
06/15/2010	449.00	3.48	57.44	IncAzi-MWD	Scientific Drilling
06/15/2010	510.00	4.55	56.80	IncAzi-MWD	Scientific Drilling
06/15/2010	572.00	5.67	59.15	IncAzi-MWD	Scientific Drilling
06/15/2010	633.00	6.72	60.27	IncAzi-MWD	Scientific Drilling
06/15/2010	695.00	7.53	60.80	IncAzi-MWD	Scientific Drilling
06/15/2010	756.00	8.72	62.92	IncAzi-MWD	Scientific Drilling
06/15/2010	818.00	9.95	63.45	IncAzi-MWD	Scientific Drilling
06/15/2010	911.00	11.40	64.43	IncAzi-MWD	Scientific Drilling
06/15/2010	1,001.00	13.20	63.72	IncAzi-MWD	Scientific Drilling
06/15/2010	1,091.00	14.67	63.30	IncAzi-MWD	Scientific Drilling
06/15/2010	1,181.00	16.54	61.12	IncAzi-MWD	Scientific Drilling
06/15/2010	1,271.00	18.07	58.43	IncAzi-MWD	Scientific Drilling
06/15/2010	1,361.00	20.10	58.89	IncAzi-MWD	Scientific Drilling
06/15/2010	1,451.00	21.92	58.57	IncAzi-MWD	Scientific Drilling
06/15/2010	1,541.00	23.85	58.36	IncAzi-MWD	Scientific Drilling
06/15/2010	1,631.00	24.64	57.62	IncAzi-MWD	Scientific Drilling
06/15/2010	1,721.00	24.90	56.95	IncAzi-MWD	Scientific Drilling
06/15/2010	1,811.00	26.11	55.70	IncAzi-MWD	Scientific Drilling
06/15/2010	1,901.00	25.93	56.41	IncAzi-MWD	Scientific Drilling
06/15/2010	1,991.00	26.50	55.60	IncAzi-MWD	Scientific Drilling
06/15/2010	2,081.00	25.39	56.32	IncAzi-MWD	Scientific Drilling
06/15/2010	2,171.00	22.88	61.55	IncAzi-MWD	Scientific Drilling
06/15/2010	2,261.00	22.81	61.02	IncAzi-MWD	Scientific Drilling
06/15/2010	2,351.00	23.10	62.22	IncAzi-MWD	Scientific Drilling

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06/16/2010	2,441.00	24.37	60.56	IncAzi-MWD	Scientific Drilling
06/16/2010	2,531.00	23.89	57.86	IncAzi-MWD	Scientific Drilling
06/16/2010	2,621.00	23.42	56.32	IncAzi-MWD	Scientific Drilling
06/16/2010	2,711.00	23.67	56.08	IncAzi-MWD	Scientific Drilling
06/16/2010	2,801.00	23.54	54.30	IncAzi-MWD	Scientific Drilling
06/16/2010	2,891.00	22.84	55.64	IncAzi-MWD	Scientific Drilling
06/16/2010	2,981.00	22.78	57.38	IncAzi-MWD	Scientific Drilling
06/16/2010	3,070.00	22.06	56.92	IncAzi-MWD	Scientific Drilling
06/17/2010	3,160.00	22.26	54.85	IncAzi-MWD	Scientific Drilling
06/17/2010	3,250.00	21.99	53.58	IncAzi-MWD	Scientific Drilling
06/17/2010	3,340.00	21.23	55.37	IncAzi-MWD	Scientific Drilling
06/17/2010	3,430.00	21.38	57.91	IncAzi-MWD	Scientific Drilling
06/17/2010	3,520.00	21.68	59.54	IncAzi-MWD	Scientific Drilling
06/17/2010	3,610.00	21.85	59.69	IncAzi-MWD	Scientific Drilling
06/17/2010	3,700.00	22.22	59.71	IncAzi-MWD	Scientific Drilling
06/17/2010	3,790.00	22.36	59.73	IncAzi-MWD	Scientific Drilling
06/17/2010	3,880.00	23.53	59.20	IncAzi-MWD	Scientific Drilling
06/17/2010	3,970.00	24.61	60.89	IncAzi-MWD	Scientific Drilling
06/17/2010	4,060.00	25.66	58.83	IncAzi-MWD	Scientific Drilling
06/18/2010	4,150.00	22.50	61.50	IncAzi-MWD	Scientific Drilling
06/18/2010	4,240.00	18.80	62.41	IncAzi-MWD	Scientific Drilling
06/18/2010	4,330.00	16.06	58.50	IncAzi-MWD	Scientific Drilling
06/18/2010	4,420.00	13.17	54.24	IncAzi-MWD	Scientific Drilling
06/18/2010	4,510.00	10.16	53.20	IncAzi-MWD	Scientific Drilling
06/18/2010	4,600.00	7.46	50.76	IncAzi-MWD	Scientific Drilling
06/18/2010	4,690.00	5.65	45.86	IncAzi-MWD	Scientific Drilling
06/18/2010	4,780.00	4.68	40.69	IncAzi-MWD	Scientific Drilling
06/18/2010	4,819.00	3.44	43.61	IncAzi-MWD	Scientific Drilling
06/18/2010	4,875.00	1.60	43.44	Projection	Scientific Drilling
06/18/2010	4,880.00	1.60	43.44	Projection	Scientific Drilling

Description	Date	MD Tie In (ft)	Inclination Tie In (°)	Azimuth Tie In (°)
FINAL BH SURVEY	06/30/2010	.00	.00	.00

Date	MD (ft)	Incl (°)	Azm (°)	Method	Survey Company
06/30/2010	8,994.00	.50	.00	Inc-WL	PHOENIX

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.

Yess Huey

Subscribed and sworn to me this August 30, 2010

*Crystal J. Tajaya*

Notary Public in and for San Juan County, New Mexico

My Commission expires 10/12/2010

RCVD AUG 31 '10

OIL CONS. DIV.

DIST. 3

# ConocoPhillips

SJB (NM Central)

SEC 14-T28N-R5W

SJ 28-5 #101P

API # 30-039, 30641

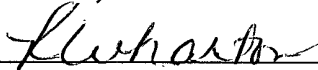
Original Hole

Survey: Actual

## Standard Survey Report

13 July, 2010

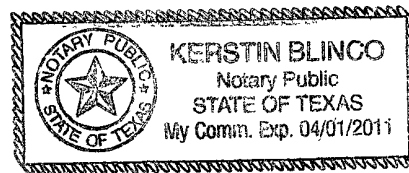
This survey is correct to the best of my knowledge and is supported by actual field data.

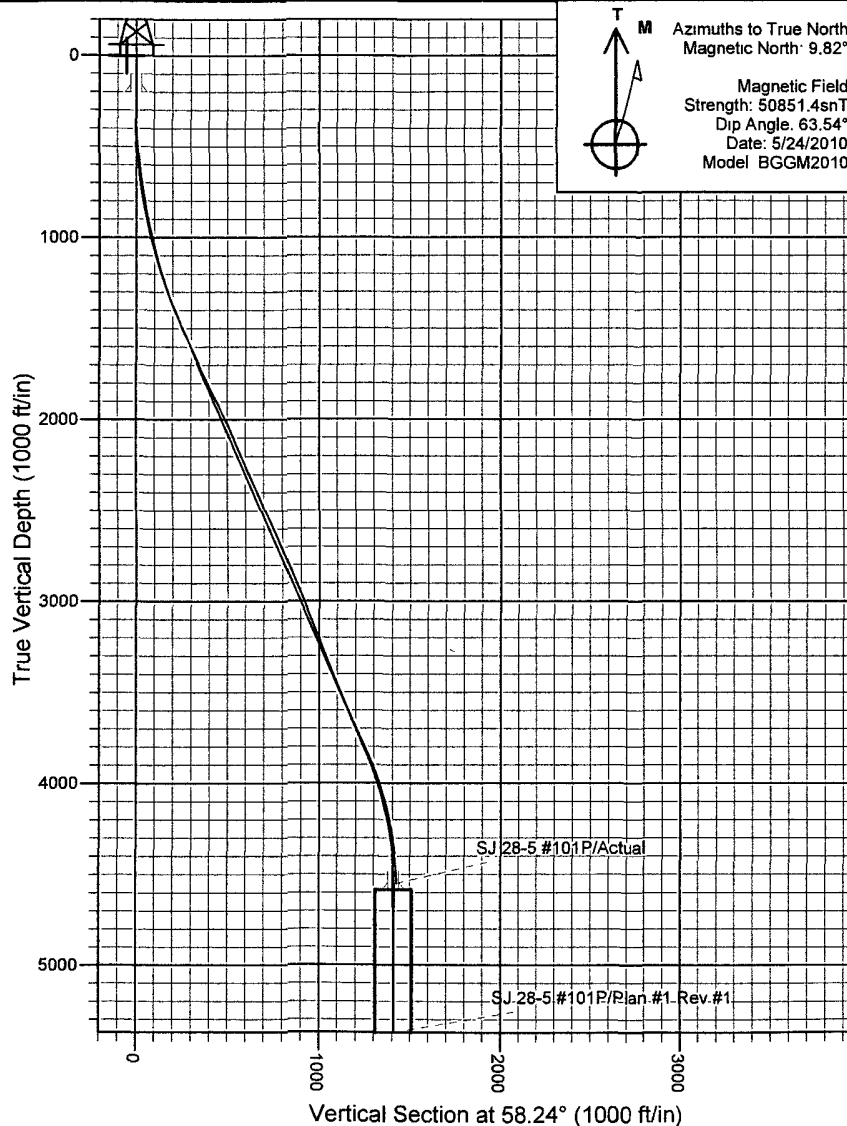
  
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Notorized this date 14 of July, 2010.

  
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Notary Signature  
County of Midland  
State of Texas





T M  
Azimuths to True North  
Magnetic North: 9.82°

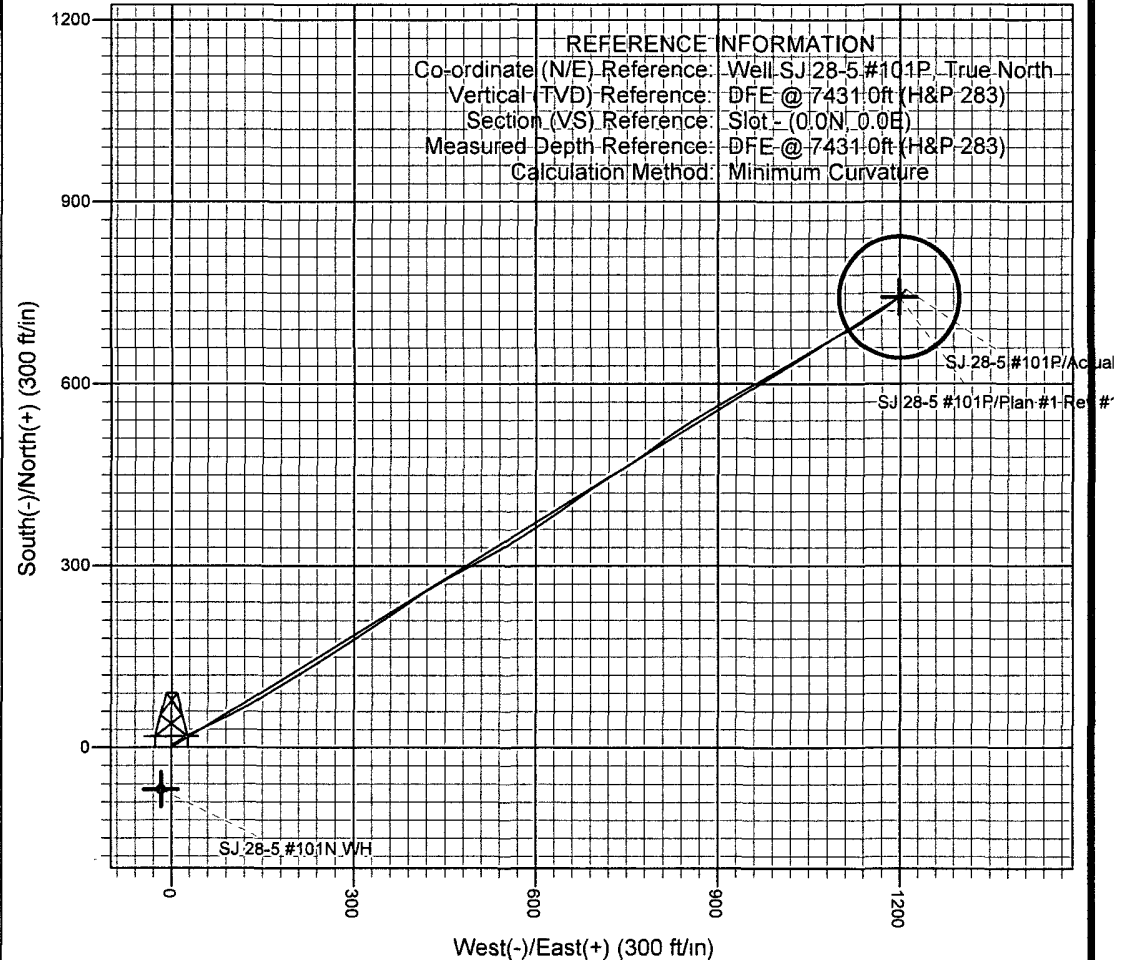
Magnetic Field  
Strength: 50851.4snT  
Dip Angle: 63.54°  
Date: 5/24/2010  
Model: BGGM2010

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	2062020.87	186143.80	36° 39' 44.033 N	107° 19' 12.286 W	

WELL DETAILS: SJ 28-5 #101P  
DFE @ 7431.0ft (H&P 283)  
Ground Level: 7415.0

**REFERENCE INFORMATION**

Co-ordinate (N/E) Reference: Well: SJ 28-5 #101P, True North  
Vertical (TVD) Reference: DFE @ 7431.0ft (H&P 283)  
Section (VS) Reference: Slot: (0.0N, 0.0E)  
Measured Depth Reference: DFE @ 7431.0ft (H&P 283)  
Calculation Method: Minimum Curvature



**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 14-T28N-R5W  
Rio Arriba County NM  
Site Centre Latitude: 36° 39' 44.033 N  
Longitude: 107° 19' 12.286 W  
Positional Uncertainty: 0.0  
Convergence: -0.64  
Local North: True

**Scientific Drilling International, Inc.**  
Survey Report

<b>Company:</b>	ConocoPhillips	<b>Local Co-ordinate Reference:</b>	Well SJ 28-5 #101P
<b>Project:</b>	SJB (NM Central)	<b>TVD Reference:</b>	DFE @ 7431 0ft (H&P 283)
<b>Site:</b>	SEC 14-T28N-R5W	<b>MD Reference:</b>	DFE @ 7431 0ft (H&P 283)
<b>Well:</b>	SJ 28-5 #101P	<b>North Reference:</b>	True
<b>Wellbore:</b>	Original Hole	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Original Hole	<b>Database:</b>	edmCOP

<b>Project</b>	SJB (NM Central), New Mexico, S-Type MV/DK Wells		
<b>Map System:</b>	US State Plane 1927 (Exact solution)	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	NAD 1927 (NADCON CONUS)		Using Well Reference Point
<b>Map Zone:</b>	New Mexico Central 3002		Using geodetic scale factor

<b>Site</b>	SEC 14-T28N-R5W				
<b>Site Position:</b>		<b>Northing:</b>	2,062,020.87 ft	<b>Latitude:</b>	36° 39' 44.033 N
<b>From:</b>	Lat/Long	<b>Easting:</b>	186,143 80 ft	<b>Longitude:</b>	107° 19' 12 286 W
<b>Position Uncertainty:</b>	0 0 ft	<b>Slot Radius:</b>	6-1/8"	<b>Grid Convergence:</b>	-0 64 °

<b>Well</b>	SJ 28-5 #101P, S-Type MV/DK Well					
<b>Well Position</b>	<b>+N/-S</b>	0.0 ft	<b>Northing:</b>	2,062,020.87 ft	<b>Latitude:</b>	36° 39' 44.033 N
	<b>+E/-W</b>	0.0 ft	<b>Easting:</b>	186,143 80 ft	<b>Longitude:</b>	107° 19' 12 286 W
<b>Position Uncertainty</b>		3.5 ft	<b>Wellhead Elevation:</b>	ft	<b>Ground Level:</b>	7,415.0 ft

<b>Wellbore</b>	Original Hole				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination</b>	<b>Dip Angle</b>	<b>Field Strength</b>
	BGGM2010	5/24/2010	(°)	(°)	(nT)
			9.82	63.54	50,851

<b>Design</b>	Original Hole				
<b>Audit Notes:</b>					
<b>Version:</b>	1.0	<b>Phase:</b>	ACTUAL	<b>Tie On Depth:</b>	0 0
<b>Vertical Section:</b>	<b>Depth From (TVD)</b>	<b>+N/-S</b>	<b>+E/-W</b>	<b>Direction</b>	
	(ft)	(ft)	(ft)	(°)	
	0.0	0 0	0 0	58 06	

<b>Survey Program</b>	<b>Date</b>	7/13/2010			
<b>From</b>	<b>To</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
(ft)	(ft)				
265.0	4,819 0	Actual (Original Hole)	MWD SDI	MWD - Standard ver 1.0.1	

<b>Survey</b>										
<b>Measured Depth</b>	<b>Inclination</b>	<b>Azimuth</b>	<b>Vertical Depth</b>	<b>+N/-S</b>	<b>+E/-W</b>	<b>Vertical Section</b>	<b>Dogleg Rate</b>	<b>Build Rate</b>	<b>Turn Rate</b>	
(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	
265.0	0 86	7 27	265.0	2.0	0 3	1.3	0.32	0 32	0.00	
326 0	1 21	41.92	326.0	2 9	0 7	2.2	1.15	0 57	56 80	
387 0	2 33	50.76	387.0	4 2	2 1	4.0	1.88	1 84	14.49	
449 0	3 48	57 44	448.9	6.0	4 7	7.1	1 93	1 85	10.77	
510.0	4 55	56 80	509 7	8.3	8 3	11.4	1 76	1 75	-1.05	
572 0	5 67	59 15	571 5	11 2	13 0	16 9	1 84	1 81	3 79	
633.0	6 72	60 27	632.1	14.5	18 7	23.5	1 73	1 72	1 84	
695 0	7 53	60 80	693.6	18 3	25 3	31.2	1 31	1 31	0 85	
756 0	8 72	62 92	754 0	22 4	33 0	39 8	2 01	1 95	3 48	
818 0	9 95	63 45	815.2	26 9	41 9	49 8	1 99	1 98	0 85	
911.0	11 40	64 43	906.6	34 5	57 4	66 9	1 57	1 56	1 05	
1,001 0	13 20	63 72	994.5	42 9	74 6	86 0	2 01	2 00	-0 79	

# Scientific Drilling International, Inc.

## Survey Report

<b>Company:</b>	ConocoPhillips	<b>Local Co-ordinate Reference:</b>	Well SJ 28-5 #101P
<b>Project:</b>	SJB (NM Central)	<b>TVD Reference:</b>	DFE @ 7431.0ft (H&P 283)
<b>Site:</b>	SEC 14-T28N-R5W	<b>MD Reference:</b>	DFE @ 7431.0ft (H&P 283)
<b>Well:</b>	SJ 28-5 #101P	<b>North Reference:</b>	True
<b>Wellbore:</b>	Original Hole	<b>Survey Calculation Method:</b>	Minimum Curvature.
<b>Design:</b>	Original Hole	<b>Database:</b>	edmCOP

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)	
1,091.0	14.67	63.30	1,081.9	52.5	94.0	107.6	1.64	1.63	-0.47	
1,181.0	16.54	61.12	1,168.5	63.8	115.4	131.7	2.18	2.08	-2.42	
1,271.0	18.07	58.43	1,254.5	77.3	138.6	158.5	1.92	1.70	-2.99	
1,361.0	20.10	58.89	1,339.5	92.6	163.7	187.9	2.26	2.26	0.51	
1,451.0	21.92	58.57	1,423.5	109.4	191.3	220.2	2.03	2.02	-0.36	
1,541.0	23.85	58.36	1,506.4	127.7	221.1	255.2	2.15	2.14	-0.23	
1,631.0	24.64	57.62	1,588.5	147.3	252.4	292.1	0.94	0.88	-0.82	
1,721.0	24.90	56.95	1,670.2	167.7	284.2	329.8	0.43	0.29	-0.74	
1,811.0	26.11	55.70	1,751.5	189.2	316.4	368.6	1.47	1.34	-1.39	
1,901.0	25.93	56.41	1,832.3	211.2	349.2	408.0	0.40	-0.20	0.79	
1,991.0	26.50	55.60	1,913.1	233.4	382.1	447.8	0.75	0.63	-0.90	
2,081.0	25.39	56.32	1,994.0	255.5	414.7	487.1	1.28	-1.23	0.80	
2,171.0	22.88	61.55	2,076.1	274.5	446.2	523.9	3.66	-2.79	5.81	
2,261.0	22.81	61.02	2,159.1	291.3	476.8	558.7	0.24	-0.08	-0.59	
2,351.0	23.10	62.22	2,242.0	308.0	507.7	593.8	0.61	0.32	1.33	
2,441.0	24.37	60.56	2,324.3	325.3	539.5	629.9	1.59	1.41	-1.84	
2,531.0	23.89	57.86	2,406.5	344.2	571.1	666.7	1.34	-0.53	-3.00	
2,621.0	23.42	56.32	2,488.9	363.8	601.4	702.8	0.86	-0.52	-1.71	
2,711.0	23.67	56.08	2,571.4	383.8	631.3	738.7	0.30	0.28	-0.27	
2,801.0	23.54	54.30	2,653.9	404.3	660.9	774.7	0.80	-0.14	-1.98	
2,891.0	22.84	55.64	2,736.6	424.7	689.9	810.1	0.97	-0.78	1.49	
2,981.0	22.78	57.38	2,819.6	443.9	719.0	845.0	0.75	-0.07	1.93	
3,070.0	22.06	56.92	2,901.9	462.4	747.5	878.9	0.83	-0.81	-0.52	
3,160.0	22.26	54.85	2,985.2	481.4	775.6	912.9	0.90	0.22	-2.30	
3,250.0	21.99	53.58	3,068.6	501.2	803.1	946.7	0.61	-0.30	-1.41	
3,340.0	21.23	55.37	3,152.3	520.5	830.1	979.8	1.12	-0.84	1.99	
3,430.0	21.38	57.91	3,236.1	538.5	857.4	1,012.4	1.04	0.17	2.82	
3,520.0	21.68	59.54	3,319.8	555.6	885.6	1,045.5	0.74	0.33	1.81	
3,610.0	21.85	59.69	3,403.4	572.5	914.4	1,078.8	0.20	0.19	0.17	
3,700.0	22.22	59.71	3,486.8	589.5	943.6	1,112.6	0.41	0.41	0.02	
3,790.0	22.36	59.73	3,570.1	606.7	973.0	1,146.7	0.16	0.16	0.02	
3,880.0	23.53	59.20	3,653.0	624.5	1,003.3	1,181.8	1.32	1.30	-0.59	
3,970.0	24.61	60.89	3,735.2	642.9	1,035.1	1,218.4	1.42	1.20	1.88	
4,060.0	25.66	58.83	3,816.6	662.1	1,068.1	1,256.7	1.52	1.17	-2.29	
4,150.0	22.50	61.50	3,898.8	680.4	1,099.9	1,293.3	3.71	-3.51	2.97	
4,240.0	18.80	62.41	3,983.0	695.3	1,127.9	1,325.0	4.13	-4.11	1.01	
4,330.0	16.06	58.50	4,068.9	708.5	1,151.4	1,351.9	3.31	-3.04	-4.34	
4,420.0	13.17	54.24	4,156.0	721.0	1,170.3	1,374.6	3.42	-3.21	-4.73	
4,510.0	10.16	53.20	4,244.1	731.8	1,185.0	1,392.7	3.35	-3.34	-1.16	
4,600.0	7.46	50.76	4,333.0	740.2	1,195.9	1,406.4	3.03	-3.00	-2.71	
4,690.0	5.65	45.86	4,422.4	747.0	1,203.6	1,416.6	2.10	-2.01	-5.44	
4,780.0	4.68	40.69	4,512.1	752.9	1,209.2	1,424.4	1.19	-1.08	-5.74	
4,819.0	3.44	43.61	4,551.0	754.9	1,211.0	1,427.1	3.22	-3.18	7.49	