DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240

DISTRICT II
1301 W. Grand Avenue, Artesia, N.M. 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 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
AS DRILLED PLAT

Form C-102
Revised October 12, 2005

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

☐ AMENDED REPORT

RECEIVED
MAR 2011
OIL CONS. DIV. DIST. 3

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number	2 Pool Code	3 Pool Name
30-039-30726	71599/72319/97232	Basin Dakota/Blanco Mesaverde/Basin Mancos

4 Property Code	5 Property Name	6 Well Number
7462	SAN JUAN 28-6 UNIT	117 N

7 OGRID No.	8 Operator Name	9 Elevation
14538	BURLINGTON RESOURCES OIL & GAS COMPANY LP	6411'

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
J	10	28N	6W	2	1909'	SOUTH	1920'	EAST	RIO ARRIBA

OK DO VIA 4

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
O	10	28N	6W		188'	SOUTH	1893'	EAST	RIO ARRIBA

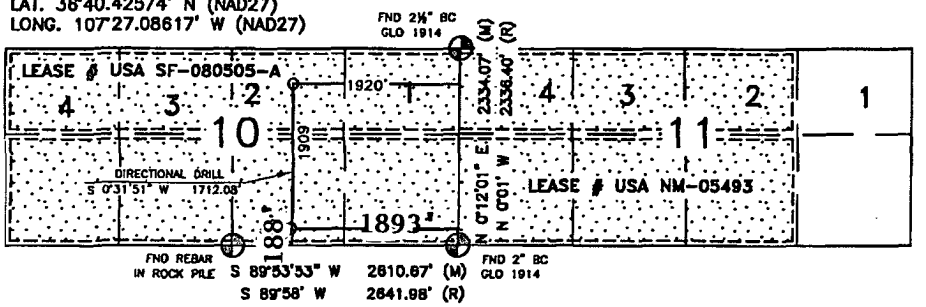
12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
MV 283.40 Acres SEC. 10 ALL DK 353.83 Acres E/2 SEC 10 W/2 SEC. 11 W/2/E/2 SEC. 11			

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

Mancos
283.40 Dedicated acres
In all of section 10 twnshp 28N range 6W

SURFACE LOCATION
LAT. 36.67377' N (NAD83)
LONG. 107.45204' W (NAD83)
LAT. 36°40.42574' N (NAD27)
LONG. 107°27.08617' W (NAD27)



BOTTOM HOLE
LAT. 36.66907' N (NAD83)
LONG. 107.45209' W (NAD83)
LAT. 36°40.14374' N (NAD27)
LONG. 107°27.08917' W (NAD27)

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 or a compulsory pooling order heretofore entered by the division.

Signature Date

Marie E. Jaramillo 3/22/11

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.

APRIL 23, 2009

Date of Survey

Signature and Seal of Professional Surveyor:

DAVID R. RUSSELL NEW MEXICO 10201 REGISTERED PROFESSIONAL LAND SURVEYOR

DAVID RUSSELL

Certificate Number 10201

ConocoPhillips

COP Deviation Report

SAN JUAN 28-6 UNIT #117N

Operator	Legal WellName	API / UWI	County	State/Province
BURLINGTON RESOURCES OIL & GAS COMPANY LP	SAN JUAN 28-6 UNIT #117N	3003930726	RIO ARRIBA	NEW MEXICO

Surface Legal Location	N/S Dist (ft)	N/S Ref	E/W Dist (ft)	E/W Ref
010-028N-006W-J	1,909.00	FSL	1,920.00	FEL

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
1/17/2010	0.00	0.00	IncAzi-MWD	Scientific Drilling
1/31/2010	170.00	0.75	Inc-Drop	Mo Te Drilling Inc
1/31/2010	356.00	1.00	Inc-Drop	Mo Te Drilling Inc
1/17/2010	364.00	0.48	IncAzi-MWD	Scientific Drilling
1/17/2010	394.00	0.67	IncAzi-MWD	Scientific Drilling
1/17/2010	425.00	1.17	IncAzi-MWD	Scientific Drilling
1/17/2010	456.00	1.82	IncAzi-MWD	Scientific Drilling
1/17/2010	487.00	2.69	IncAzi-MWD	Scientific Drilling
1/17/2010	518.00	3.28	IncAzi-MWD	Scientific Drilling
1/17/2010	548.00	3.59	IncAzi-MWD	Scientific Drilling
1/17/2010	578.00	4.61	IncAzi-MWD	Scientific Drilling
1/17/2010	608.00	5.13	IncAzi-MWD	Scientific Drilling
1/17/2010	639.00	5.47	IncAzi-MWD	Scientific Drilling
1/17/2010	670.00	6.10	IncAzi-MWD	Scientific Drilling
1/17/2010	700.00	6.96	IncAzi-MWD	Scientific Drilling
1/17/2010	731.00	7.35	IncAzi-MWD	Scientific Drilling
1/17/2010	761.00	8.31	IncAzi-MWD	Scientific Drilling
1/17/2010	791.00	8.87	IncAzi-MWD	Scientific Drilling
1/17/2010	822.00	9.43	IncAzi-MWD	Scientific Drilling
1/18/2010	871.00	10.79	IncAzi-MWD	Scientific Drilling
1/18/2010	916.00	12.09	IncAzi-MWD	Scientific Drilling
1/18/2010	961.00	13.31	IncAzi-MWD	Scientific Drilling
1/18/2010	1,006.00	13.85	IncAzi-MWD	Scientific Drilling
1/18/2010	1,051.00	14.84	IncAzi-MWD	Scientific Drilling
1/18/2010	1,096.00	16.23	IncAzi-MWD	Scientific Drilling
1/18/2010	1,141.00	17.50	IncAzi-MWD	Scientific Drilling
1/18/2010	1,186.00	18.90	IncAzi-MWD	Scientific Drilling
1/18/2010	1,231.00	20.09	IncAzi-MWD	Scientific Drilling
1/18/2010	1,276.00	21.15	IncAzi-MWD	Scientific Drilling
1/18/2010	1,321.00	22.04	IncAzi-MWD	Scientific Drilling
1/18/2010	1,366.00	22.49	IncAzi-MWD	Scientific Drilling
1/18/2010	1,410.00	22.96	IncAzi-MWD	Scientific Drilling
1/18/2010	1,456.00	22.73	IncAzi-MWD	Scientific Drilling
1/18/2010	1,500.00	23.64	IncAzi-MWD	Scientific Drilling
1/18/2010	1,545.00	24.43	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.

Carlie Clay

Subcribed and sworn to me this _____

_____

Notary Public in and for San Juan County, New Mexico

My Commission expires _____

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MAR 2011
OIL CONS. DIV. DIST. 3

Report Printed: 3/18/2011

ConocoPhillips

COP Deviation Report

SAN JUAN 28-6 UNIT #117N

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
1/18/2010	1,590.00	24.71	IncAzi-MWD	Scientific Drilling
1/18/2010	1,635.00	25.82	IncAzi-MWD	Scientific Drilling
1/18/2010	1,680.00	26.55	IncAzi-MWD	Scientific Drilling
1/18/2010	1,725.00	27.49	IncAzi-MWD	Scientific Drilling
1/18/2010	1,770.00	28.38	IncAzi-MWD	Scientific Drilling
1/18/2010	1,815.00	29.07	IncAzi-MWD	Scientific Drilling
1/18/2010	1,860.00	28.61	IncAzi-MWD	Scientific Drilling
1/18/2010	1,905.00	29.08	IncAzi-MWD	Scientific Drilling
1/18/2010	1,950.00	29.84	IncAzi-MWD	Scientific Drilling
1/18/2010	1,995.00	30.02	IncAzi-MWD	Scientific Drilling
1/18/2010	2,085.00	29.25	IncAzi-MWD	Scientific Drilling
1/18/2010	2,175.00	28.19	IncAzi-MWD	Scientific Drilling
1/18/2010	2,265.00	28.95	IncAzi-MWD	Scientific Drilling
1/18/2010	2,355.00	28.81	IncAzi-MWD	Scientific Drilling
1/18/2010	2,445.00	28.79	IncAzi-MWD	Scientific Drilling
1/18/2010	2,535.00	28.58	IncAzi-MWD	Scientific Drilling
1/18/2010	2,625.00	29.36	IncAzi-MWD	Scientific Drilling
1/18/2010	2,715.00	30.16	IncAzi-MWD	Scientific Drilling
1/18/2010	2,805.00	31.27	IncAzi-MWD	Scientific Drilling
1/18/2010	2,895.00	30.11	IncAzi-MWD	Scientific Drilling
1/18/2010	2,985.00	30.22	IncAzi-MWD	Scientific Drilling
1/18/2010	3,075.00	30.37	IncAzi-MWD	Scientific Drilling
1/18/2010	3,164.00	28.72	IncAzi-MWD	Scientific Drilling
1/19/2010	3,209.00	28.10	IncAzi-MWD	Scientific Drilling
1/19/2010	3,254.00	27.99	IncAzi-MWD	Scientific Drilling
1/19/2010	3,299.00	27.42	IncAzi-MWD	Scientific Drilling
1/19/2010	3,344.00	27.32	IncAzi-MWD	Scientific Drilling
1/19/2010	3,389.00	27.16	IncAzi-MWD	Scientific Drilling
1/19/2010	3,434.00	27.32	IncAzi-MWD	Scientific Drilling
1/19/2010	3,479.00	27.30	IncAzi-MWD	Scientific Drilling
1/19/2010	3,524.00	27.32	IncAzi-MWD	Scientific Drilling
1/19/2010	3,569.00	26.91	IncAzi-MWD	Scientific Drilling
1/19/2010	3,614.00	27.90	IncAzi-MWD	Scientific Drilling
1/19/2010	3,658.00	29.46	IncAzi-MWD	Scientific Drilling
1/19/2010	3,703.00	29.92	IncAzi-MWD	Scientific Drilling
1/19/2010	3,748.00	29.18	IncAzi-MWD	Scientific Drilling
1/19/2010	3,793.00	28.64	IncAzi-MWD	Scientific Drilling
1/19/2010	3,838.00	27.17	IncAzi-MWD	Scientific Drilling
1/19/2010	3,883.00	26.70	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.

_____

Subcribed and sworn to me this _____

_____

Notary Public in and for San Juan County, New Mexico

My Commission expires _____

Report Printed: 3/18/2011

ConocoPhillips

COP Deviation Report

SAN JUAN 28-6 UNIT #117N

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
1/19/2010	3,929.00	25.66	IncAzi-MWD	Scientific Drilling
1/19/2010	3,973.00	25.07	IncAzi-MWD	Scientific Drilling
1/19/2010	4,018.00	25.13	IncAzi-MWD	Scientific Drilling
1/19/2010	4,063.00	24.62	IncAzi-MWD	Scientific Drilling
1/19/2010	4,108.00	24.72	IncAzi-MWD	Scientific Drilling
1/19/2010	4,153.00	24.52	IncAzi-MWD	Scientific Drilling
1/19/2010	4,198.00	24.17	IncAzi-MWD	Scientific Drilling
1/19/2010	4,243.00	22.24	IncAzi-MWD	Scientific Drilling
1/19/2010	4,288.00	20.63	IncAzi-MWD	Scientific Drilling
1/19/2010	4,333.00	19.52	IncAzi-MWD	Scientific Drilling
1/19/2010	4,378.00	18.91	IncAzi-MWD	Scientific Drilling
1/19/2010	4,423.00	18.26	IncAzi-MWD	Scientific Drilling
1/19/2010	4,468.00	18.42	IncAzi-MWD	Scientific Drilling
1/19/2010	4,513.00	17.30	IncAzi-MWD	Scientific Drilling
1/19/2010	4,558.00	16.01	IncAzi-MWD	Scientific Drilling
1/19/2010	4,603.00	14.44	IncAzi-MWD	Scientific Drilling
1/19/2010	4,648.00	13.56	IncAzi-MWD	Scientific Drilling
1/20/2010	4,693.00	13.38	IncAzi-MWD	Scientific Drilling
1/20/2010	4,738.00	13.19	IncAzi-MWD	Scientific Drilling
1/20/2010	4,783.00	11.47	IncAzi-MWD	Scientific Drilling
1/20/2010	4,828.00	9.79	IncAzi-MWD	Scientific Drilling
1/20/2010	4,873.00	8.53	IncAzi-MWD	Scientific Drilling
1/20/2010	4,918.00	7.39	IncAzi-MWD	Scientific Drilling
1/20/2010	4,963.00	5.49	IncAzi-MWD	Scientific Drilling
1/20/2010	5,008.00	4.06	IncAzi-MWD	Scientific Drilling
1/20/2010	5,060.00	4.05	IncAzi-MWD	Scientific Drilling
1/28/2010	6,200.00	2.00	Inc-Drop	H&P 282
1/29/2010	6,700.00	1.00	Inc-Drop	H&P 282
1/29/2010	7,190.00	1.00	Inc-Drop	H&P 282
1/30/2010	7,700.00	1.00	Inc-Drop	H&P 282
1/31/2010	8,140.00	1.00	Inc-Drop	H&P 282

I, the undersigned, certify that I acting in my capacity as Driller 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.**

Carl Coley

Subcribed and sworn to me this 18th day of March, 2011.

Marie Jaramillo

Notary Public in and for San Juan County, New Mexico

My Commission expires 7/28/14

Report Printed: 3/18/2011

ConocoPhillips

SJB (NM Central)
SEC 10-T28N-R6W
SJ 28-6 #117N

Original Hole

API - 30-039-30726

Survey: Actual

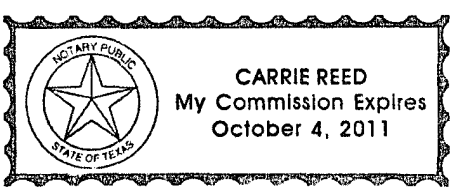
Standard Survey Report

17 February, 2010

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

Notorized this date 19th of February, 2010.

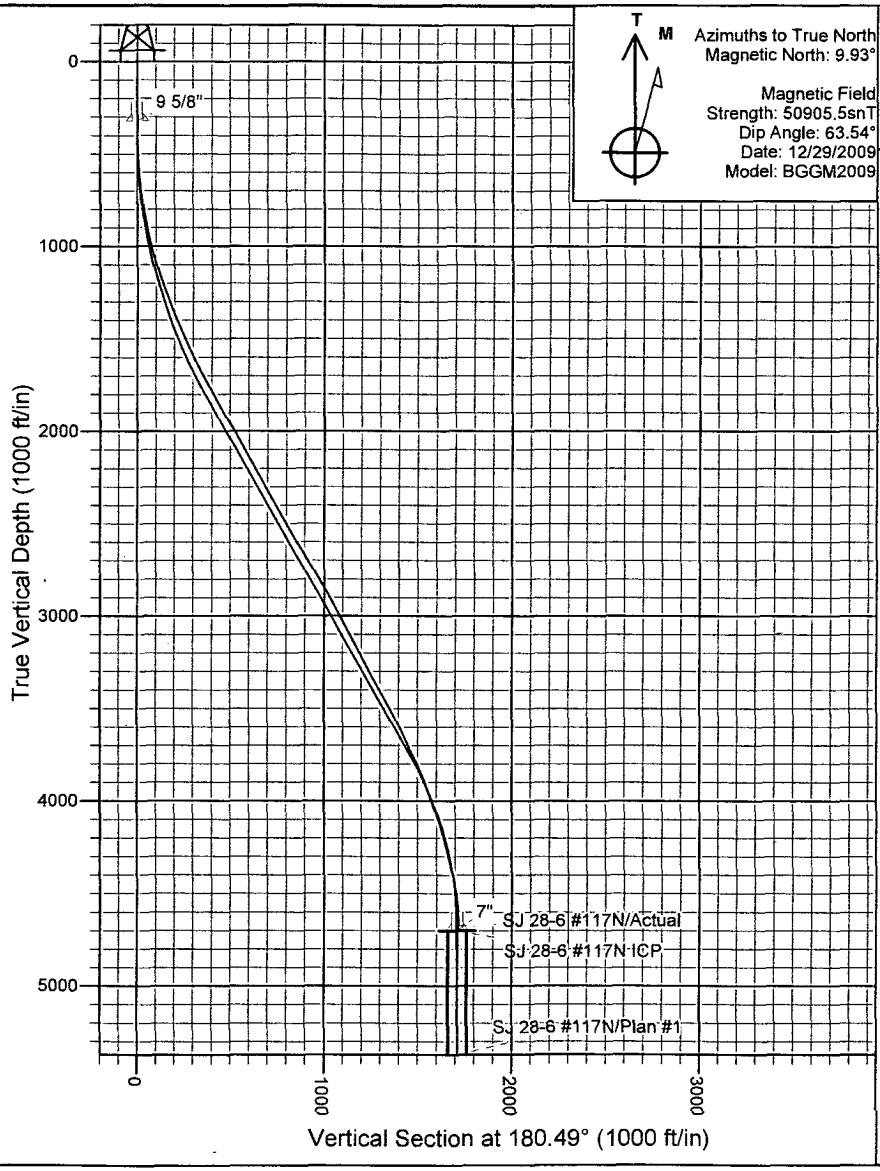
Notary Signature
County of Midland
State of Texas



Scientific Drilling
Directional Drilling Operations

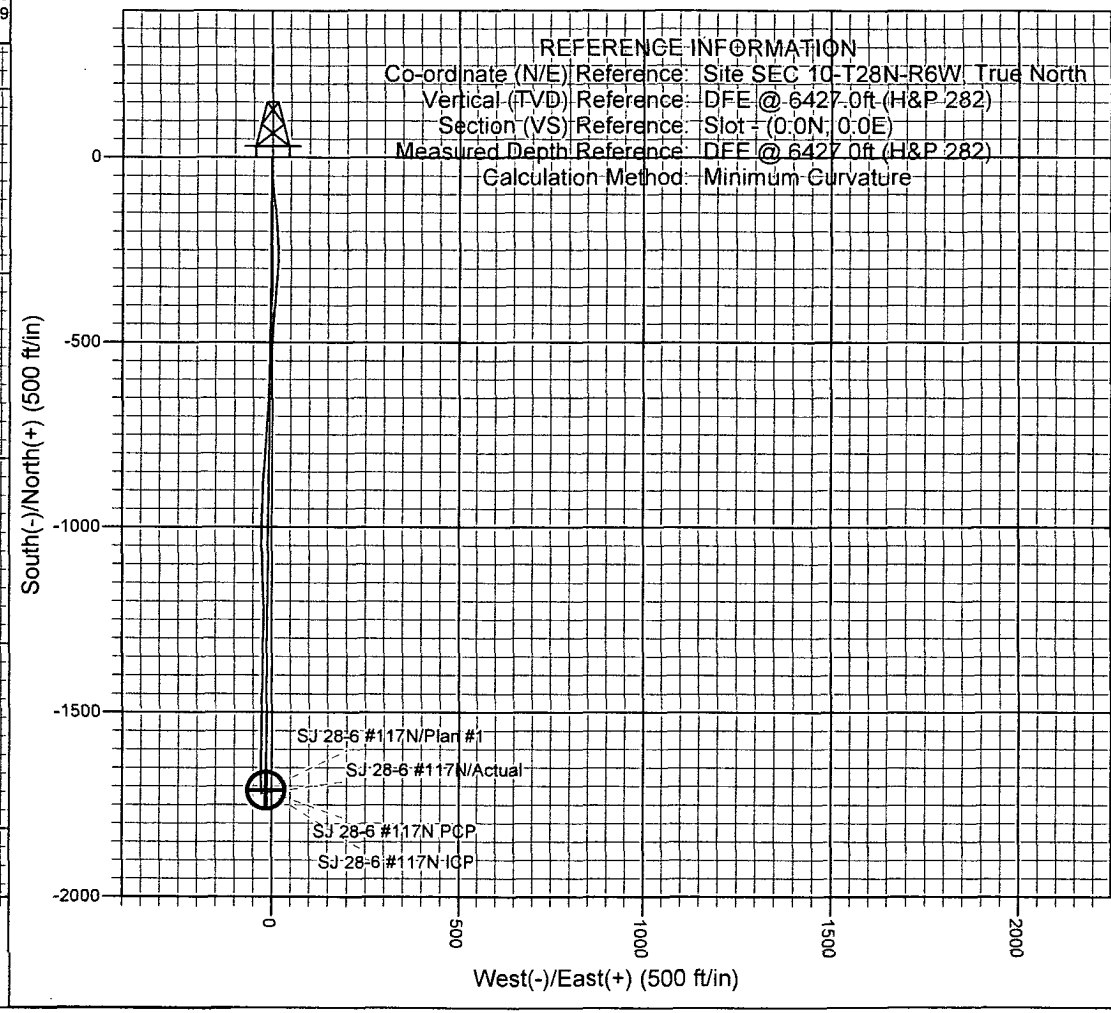
Project: SJB (NM Central)
Site: SEC 10-T28N-R6W
Well: SJ 28-6 #117N
Wellbore: Original Hole
Design: Plan #1

ConocoPhillips



WELL DETAILS: SJ 28-6 #117N
DFE @ 6427.0ft (H&P 282)
Ground Level: 6411.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	2066674.87	147667.63	36° 40' 25.544 N	107° 27' 5.170 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 10-T28N-R6W
Rio Arriba County NM
Site Centre Latitude: 36° 40' 25.544 N
Longitude: 107° 27' 5.170 W
Positional Uncertainity: 0.0
Convergence: -0.72
Local North: True

Scientific Drilling International, Inc.

Survey Report

Company:	ConocoPhillips	**Local Co-ordinate Reference:**	Well SJ 28-6 #117N
Project:	SJB (NM Central)	**TVD Reference:**	DFE @ 6427.0ft (H&P 282)
Site:	SEC 10-T28N-R6W	**MD Reference:**	DFE @ 6427.0ft (H&P 282)
Well:	SJ 28-6 #117N	**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 10-T28N-R6W				
Site Position:		**Northing:**	2,066,674.87 ft	**Latitude:**	36° 40' 25.544 N
From:	Lat/Long	**Easting:**	147,667.63 ft	**Longitude:**	107° 27' 5.170 W
Position Uncertainty:	0.0 ft	**Slot Radius:**	6-1/8"	**Grid Convergence:**	-0.72 °

Well	SJ 28-6 #117N, S-Type MV/DK Well					
Well Position	**+N/-S**	0.0 ft	**Northing:**	2,066,674.87 ft	**Latitude:**	36° 40' 25.544 N
	+E/-W	0.0 ft	**Easting:**	147,667.63 ft	**Longitude:**	107° 27' 5.170 W
Position Uncertainty		3.5 ft	**Wellhead Elevation:**	ft	**Ground Level:**	6,411.0 ft

Wellbore	Original Hole				
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	BGGM2009	12/29/2009	9.93	63.54	50,906

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	180.91		

Survey Program **Date** 2/17/2010

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
364.0	5,060.0	Actual (Original Hole)	MWD SDI	MWD - Standard ver 1.0.1

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
364.0	0.48	221.90	364.0	-1.1	-1.0	1.2	0.13	0.13	0.00
394.0	0.67	166.01	394.0	-1.4	-1.1	1.4	1.88	0.63	-186.30
425.0	1.17	194.41	425.0	-1.9	-1.1	1.9	2.14	1.61	91.61
456.0	1.82	173.45	456.0	-2.7	-1.1	2.7	2.71	2.10	-67.61
487.0	2.69	174.69	487.0	-3.9	-1.0	3.9	2.81	2.81	4.00
518.0	3.28	179.57	517.9	-5.5	-0.9	5.5	2.07	1.90	15.74
548.0	3.59	181.39	547.9	-7.3	-0.9	7.3	1.10	1.03	6.07
578.0	4.61	178.38	577.8	-9.4	-0.9	9.5	3.47	3.40	-10.03
608.0	5.13	176.56	607.7	-12.0	-0.8	12.0	1.81	1.73	-6.07
639.0	5.47	180.80	638.5	-14.8	-0.7	14.9	1.67	1.10	13.68
670.0	6.10	179.06	669.4	-18.0	-0.7	18.0	2.11	2.03	-5.61
700.0	6.96	177.83	699.2	-21.4	-0.6	21.4	2.90	2.87	-4.10

Scientific Drilling International, Inc.

Survey Report

Company:	ConocoPhillips	**Local Co-ordinate Reference:**	Well SJ 28-6 #117N
Project:	SJB (NM Central)	**TVD Reference:**	DFE @ 6427.0ft (H&P 282)
Site:	SEC 10-T28N-R6W	**MD Reference:**	DFE @ 6427.0ft (H&P 282)
Well:	SJ 28-6 #117N	**North Reference:**	True
Wellbore:	Original Hole	**Survey Calculation Method:**	Minimum Curvature
Design:	Original Hole	**Database:**	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)
731.0	7.35	178.23	729.9	-25.2	-0.5	25.2	1.27	1.26	1.29
761.0	8.31	179.28	759.7	-29.3	-0.4	29.3	3.24	3.20	3.50
791.0	8.87	177.02	789.3	-33.8	-0.3	33.8	2.18	1.87	-7.53
822.0	9.43	176.40	819.9	-38.7	0.0	38.7	1.83	1.81	-2.00
871.0	10.79	176.02	868.2	-47.3	0.6	47.3	2.78	2.78	-0.78
916.0	12.09	177.56	912.3	-56.2	1.1	56.2	2.97	2.89	3.42
961.0	13.31	175.82	956.2	-66.1	1.6	66.1	2.84	2.71	-3.87
1,006.0	13.85	174.94	999.9	-76.6	2.5	76.6	1.28	1.20	-1.96
1,051.0	14.84	173.09	1,043.5	-87.7	3.7	87.6	2.42	2.20	-4.11
1,096.0	16.23	174.48	1,086.9	-99.7	5.0	99.6	3.20	3.09	3.09
1,141.0	17.50	173.69	1,129.9	-112.7	6.3	112.6	2.87	2.82	-1.76
1,186.0	18.90	171.37	1,172.7	-126.6	8.2	126.5	3.50	3.11	-5.16
1,231.0	20.09	173.30	1,215.1	-141.5	10.1	141.3	3.01	2.64	4.29
1,276.0	21.15	173.23	1,257.2	-157.2	12.0	157.0	2.36	2.36	-0.16
1,321.0	22.04	175.65	1,299.1	-173.7	13.6	173.5	2.80	1.98	5.38
1,366.0	22.49	175.18	1,340.7	-190.7	15.0	190.4	1.08	1.00	-1.04
1,410.0	22.96	177.28	1,381.3	-207.7	16.1	207.4	2.13	1.07	4.77
1,456.0	22.73	178.01	1,423.7	-225.5	16.8	225.2	0.79	-0.50	1.59
1,500.0	23.64	178.65	1,464.1	-242.8	17.3	242.5	2.15	2.07	1.45
1,545.0	24.43	182.52	1,505.2	-261.1	17.1	260.8	3.92	1.76	8.60
1,590.0	24.71	182.13	1,546.2	-279.8	16.4	279.5	0.72	0.62	-0.87
1,635.0	25.82	183.08	1,586.8	-299.0	15.5	298.7	2.63	2.47	2.11
1,680.0	26.55	184.57	1,627.2	-318.8	14.2	318.6	2.18	1.62	3.31
1,725.0	27.49	184.05	1,667.3	-339.2	12.6	339.0	2.15	2.09	-1.16
1,770.0	28.38	185.05	1,707.1	-360.2	10.9	360.0	2.23	1.98	2.22
1,815.0	29.07	184.61	1,746.5	-381.8	9.1	381.6	1.60	1.53	-0.98
1,860.0	28.61	183.70	1,786.0	-403.4	7.6	403.3	1.41	-1.02	-2.02
1,905.0	29.08	183.86	1,825.4	-425.1	6.1	424.9	1.06	1.04	0.36
1,950.0	29.84	184.04	1,864.6	-447.2	4.6	447.0	1.70	1.69	0.40
1,995.0	30.02	184.17	1,903.6	-469.6	3.0	469.5	0.43	0.40	0.29
2,085.0	29.25	183.13	1,981.8	-514.0	0.2	513.9	1.03	-0.86	-1.16
2,175.0	28.19	182.98	2,060.7	-557.2	-2.2	557.1	1.18	-1.18	-0.17
2,265.0	28.95	183.39	2,139.7	-600.1	-4.5	600.1	0.87	0.84	0.46
2,355.0	28.81	184.20	2,218.6	-643.5	-7.4	643.5	0.46	-0.16	0.90
2,445.0	28.79	183.40	2,297.4	-686.8	-10.3	686.8	0.43	-0.02	-0.89
2,535.0	28.58	184.37	2,376.4	-729.9	-13.2	730.0	0.57	-0.23	1.08
2,625.0	29.36	183.20	2,455.1	-773.4	-16.1	773.5	1.07	0.87	-1.30
2,715.0	30.16	183.98	2,533.2	-817.9	-18.9	818.1	0.99	0.89	0.87
2,805.0	31.27	183.33	2,610.6	-863.8	-21.8	864.1	1.29	1.23	-0.72
2,895.0	30.11	181.82	2,688.0	-909.7	-23.9	910.0	1.55	-1.29	-1.68
2,985.0	30.22	181.54	2,765.8	-954.9	-25.2	955.2	0.20	0.12	-0.31
3,075.0	30.37	180.85	2,843.5	-1,000.3	-26.2	1,000.6	0.42	0.17	-0.77
3,164.0	28.72	179.83	2,921.0	-1,044.2	-26.4	1,044.5	1.94	-1.85	-1.15
3,209.0	28.10	179.33	2,960.5	-1,065.6	-26.3	1,065.9	1.48	-1.38	-1.11
3,254.0	27.99	178.20	3,000.3	-1,086.7	-25.8	1,087.0	1.21	-0.24	-2.51
3,299.0	27.42	178.21	3,040.1	-1,107.7	-25.2	1,107.9	1.27	-1.27	0.02
3,344.0	27.32	178.04	3,080.1	-1,128.3	-24.5	1,128.6	0.28	-0.22	-0.38
3,389.0	27.16	177.59	3,120.1	-1,148.9	-23.7	1,149.1	0.58	-0.36	-1.00
3,434.0	27.32	176.98	3,160.1	-1,169.5	-22.7	1,169.7	0.72	0.36	-1.36
3,479.0	27.30	177.49	3,200.1	-1,190.1	-21.7	1,190.3	0.52	-0.04	1.13
3,524.0	27.32	177.73	3,240.0	-1,210.7	-20.9	1,210.9	0.25	0.04	0.53
3,569.0	26.91	178.93	3,280.1	-1,231.2	-20.3	1,231.4	1.52	-0.91	2.67
3,614.0	27.90	180.39	3,320.1	-1,251.9	-20.2	1,252.1	2.66	2.20	3.24
3,658.0	29.46	182.58	3,358.7	-1,273.1	-20.7	1,273.2	4.27	3.55	4.98

Scientific Drilling International, Inc.

Survey Report

Company:	ConocoPhillips	**Local Co-ordinate Reference:**	Well SJ 28-6 #117N
Project:	SJB (NM Central)	**TVD Reference:**	DFE @ 6427.0ft (H&P 282)
Site:	SEC 10-T28N-R6W	**MD Reference:**	DFE @ 6427.0ft (H&P 282)
Well:	SJ 28-6 #117N	**North Reference:**	True
Wellbore:	Original Hole	**Survey Calculation Method:**	Minimum Curvature
Design:	Original Hole	**Database:**	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)
3,703.0	29.92	182.60	3,397.7	-1,295.3	-21.7	1,295.5	1.02	1.02	0.04
3,748.0	29.18	182.11	3,436.9	-1,317.5	-22.6	1,317.7	1.73	-1.64	-1.09
3,793.0	28.64	181.47	3,476.3	-1,339.2	-23.3	1,339.4	1.38	-1.20	-1.42
3,838.0	27.17	181.35	3,516.1	-1,360.3	-23.8	1,360.5	3.27	-3.27	-0.27
3,883.0	26.70	180.63	3,556.2	-1,380.7	-24.2	1,380.9	1.27	-1.04	-1.60
3,929.0	25.66	180.37	3,597.5	-1,401.0	-24.4	1,401.2	2.27	-2.26	-0.57
3,973.0	25.07	179.99	3,637.2	-1,419.8	-24.4	1,420.0	1.39	-1.34	-0.86
4,018.0	25.13	182.48	3,678.0	-1,438.9	-24.8	1,439.1	2.35	0.13	5.53
4,063.0	24.62	182.26	3,718.8	-1,457.8	-25.6	1,458.0	1.15	-1.13	-0.49
4,108.0	24.72	182.21	3,759.7	-1,476.6	-26.4	1,476.8	0.23	0.22	-0.11
4,153.0	24.52	181.65	3,800.6	-1,495.3	-27.0	1,495.6	0.68	-0.44	-1.24
4,198.0	24.17	181.34	3,841.6	-1,513.9	-27.5	1,514.1	0.83	-0.78	-0.69
4,243.0	22.24	180.58	3,882.9	-1,531.6	-27.8	1,531.8	4.34	-4.29	-1.69
4,288.0	20.63	178.57	3,924.8	-1,548.0	-27.7	1,548.3	3.93	-3.58	-4.47
4,333.0	19.52	179.17	3,967.1	-1,563.5	-27.4	1,563.7	2.51	-2.47	1.33
4,378.0	18.91	181.54	4,009.6	-1,578.3	-27.4	1,578.5	2.20	-1.36	5.27
4,423.0	18.26	180.92	4,052.2	-1,592.6	-27.7	1,592.9	1.51	-1.44	-1.38
4,468.0	18.42	181.48	4,095.0	-1,606.8	-28.0	1,607.0	0.53	0.36	1.24
4,513.0	17.30	180.57	4,137.8	-1,620.6	-28.3	1,620.8	2.56	-2.49	-2.02
4,558.0	16.01	181.49	4,180.9	-1,633.5	-28.5	1,633.7	2.93	-2.87	2.04
4,603.0	14.44	180.68	4,224.3	-1,645.3	-28.8	1,645.5	3.52	-3.49	-1.80
4,648.0	13.56	178.10	4,268.0	-1,656.2	-28.6	1,656.4	2.40	-1.96	-5.73
4,693.0	13.38	179.57	4,311.7	-1,666.6	-28.4	1,666.9	0.86	-0.40	3.27
4,738.0	13.19	177.36	4,355.5	-1,677.0	-28.2	1,677.2	1.20	-0.42	-4.91
4,783.0	11.47	178.71	4,399.5	-1,686.6	-27.8	1,686.8	3.88	-3.82	3.00
4,828.0	9.79	178.31	4,443.7	-1,694.9	-27.6	1,695.1	3.74	-3.73	-0.89
4,873.0	8.53	175.75	4,488.2	-1,702.0	-27.2	1,702.2	2.94	-2.80	-5.69
4,918.0	7.39	174.57	4,532.7	-1,708.2	-26.7	1,708.4	2.56	-2.53	-2.62
4,963.0	5.49	177.19	4,577.4	-1,713.3	-26.3	1,713.5	4.27	-4.22	5.82
5,008.0	4.06	191.36	4,622.3	-1,717.0	-26.5	1,717.2	4.10	-3.18	31.49
5,060.0	4.05	188.99	4,674.1	-1,720.6	-27.2	1,720.8	0.32	-0.02	-4.56