

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

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

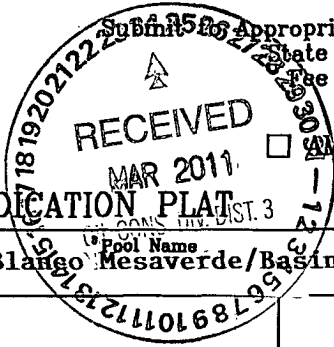
DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410

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

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised October 12, 2005

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



Submitted to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-039-30726	Pool Code 71599/72319/97232	Basin Dakota/Blango	Pool Name Mesaverde/Basin Mancos
Property Code 7462	Property Name SAN JUAN 28-6 UNIT		Well Number 117 N
GRID No. 14538	Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP		Elevation 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

¹¹ Bottom Hole Location If Different From Surface

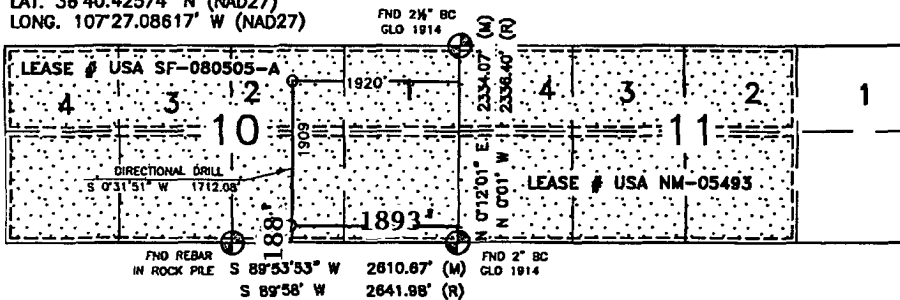
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	10	28N	6W		188'	SOUTH	1893'	EAST	RIO ARRIBA

¹² Dedicated Acres 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	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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

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: *Marie E. Jaramillo* Date: 3/22/11
Printed Name: Marie E. Jaramillo 3/22/11

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
DAVID R. RUSSELL
NEW MEXICO
REGISTERED PROFESSIONAL LAND SURVEYOR
10201
Certificate Number 10201



COP Deviation Report

SAN JUAN 28-6 UNIT #117N

Operator BURLINGTON RESOURCES OIL & GAS COMPANY LP	Legal WellName SAN JUAN 28-6 UNIT #117N	API / UWI 3003930726	County RIO ARRIBA	State/Province NEW MEXICO
Surface Legal Location 010-028N-006W-J	N/S Dist (ft) 1,909.00	N/S Ref FSL	E/W Dist (ft) 1,920.00	E/W Ref 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

Subscribed and sworn to me this _____

Notary Public in and for San Juan County, New Mexico

My Commission expires _____





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.

Subscribed and sworn to me this _____

Notary Public in and for San Juan County, New Mexico

My Commission expires _____

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 Brown 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.

Calli Coley ...

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

Manuel Jaramillo

Notary Public in and for San Juan County, New Mexico

My Commission expires 7/28/14

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



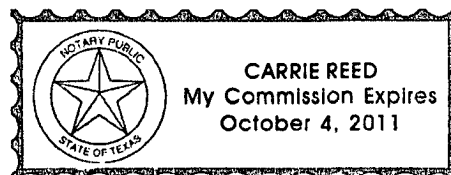
This survey is correct to the best of my knowledge and is supported by actual field data.

Richard

Notorized this date 19th of February, 2010.

Carrie Reed

Notary Signature
County of Midland
State of Texas

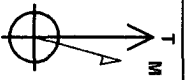
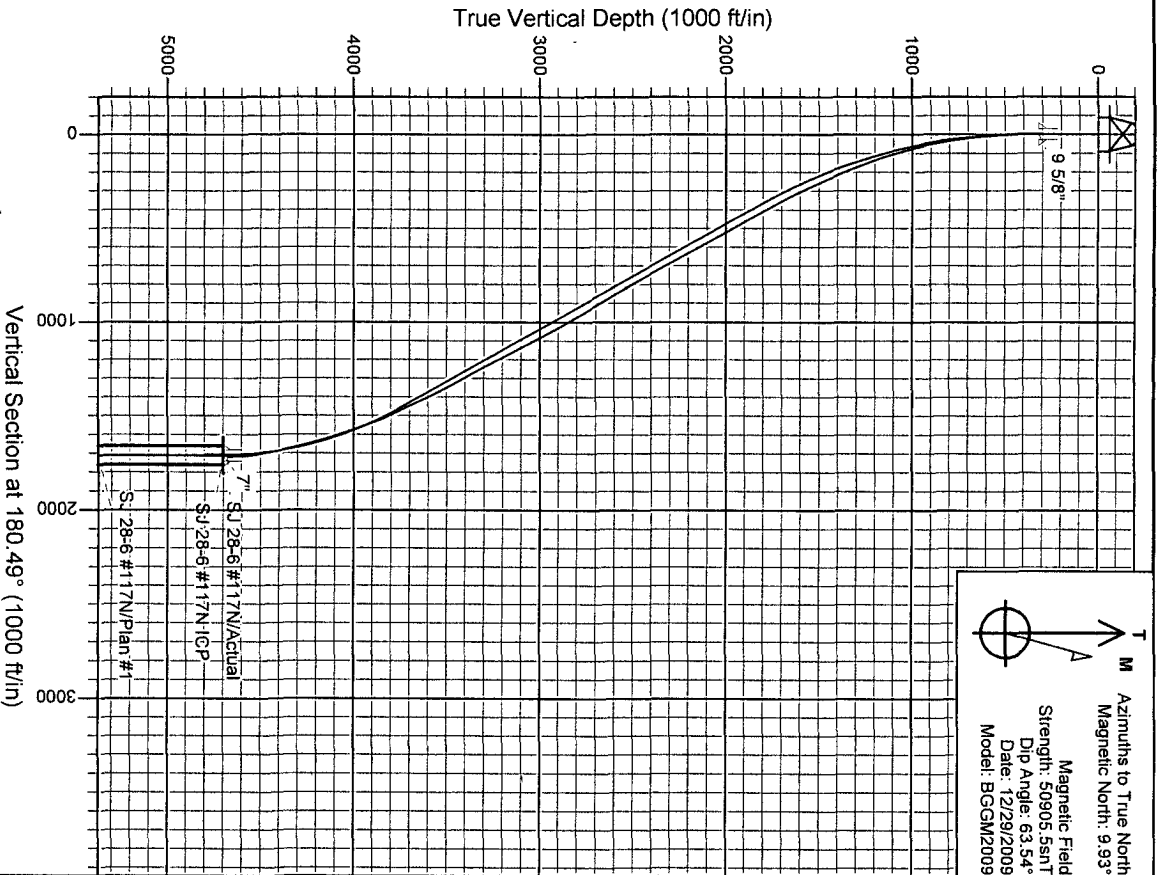




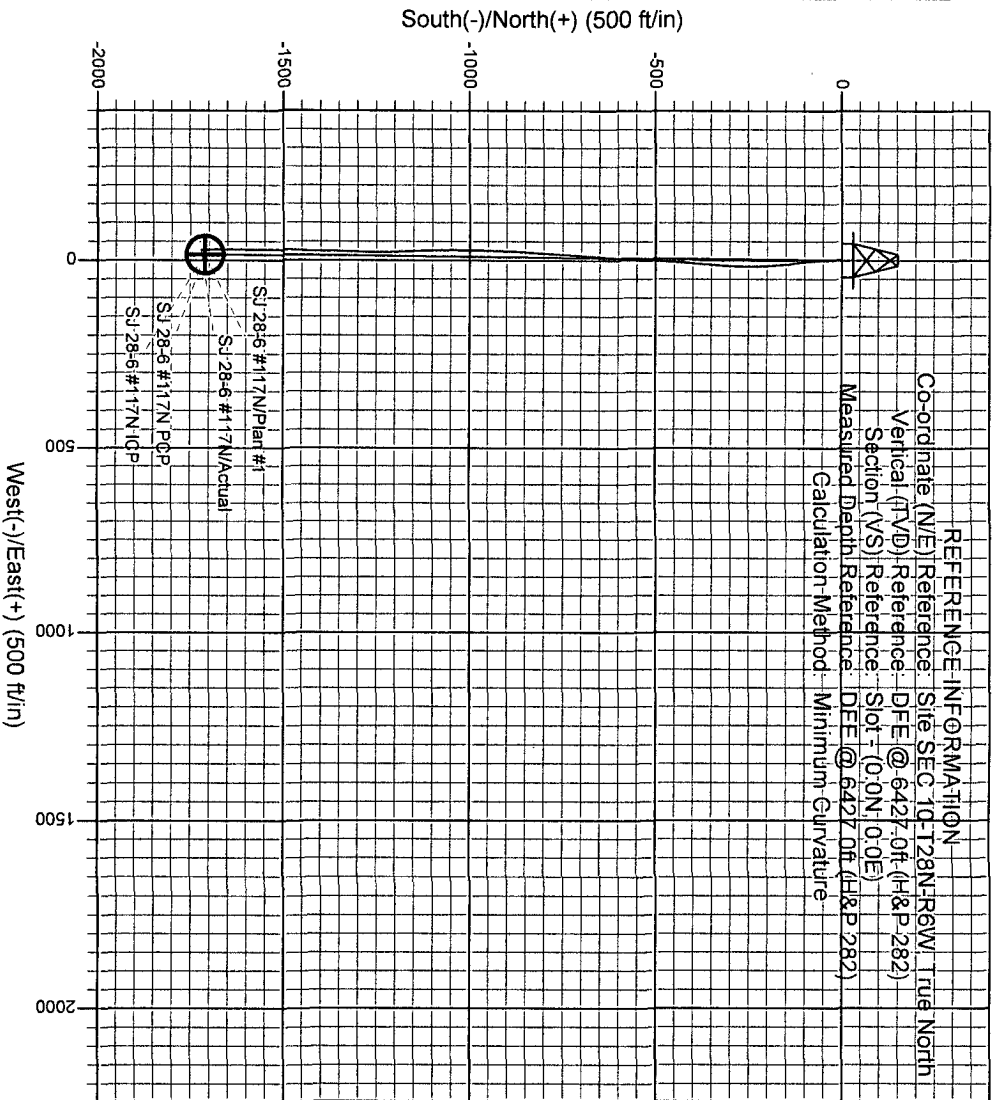
Scientific Drilling
Directional Drilling Operations

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

ConocoPhillips



Azinuths to True North
Magnetic North: 9.93°
Magnetic Field
Strength: 50905.5nT
Dip Angle: 63.54°
Date: 12/29/2009
Model: BGGM2009



+N/-S
+E/-W
Northing
Easting

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

Slot

REFERENCE INFORMATION

Co-ordinate (N/E): Reference: Site SEC 10-T28N-R6W True North
Vertical (TVD): Reference: DPE @ 6427.0ft (H&P 282)
Section (VS): Reference: Slot (0.0N, 0.0E)
Measured Depth Reference: DPE @ 6427.0ft (H&P 282)
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 10-T28N-R6W
Rio Arriba County NM
Site Centre Latitude: 36° 40' 25.544 N
Longitude: 107° 27' 5.170 W
Positional Uncertainty: 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
From:	Lat/Long	Easting:	147,667.63 ft
Position Uncertainty:	0.0 ft	Slot Radius:	6-1/8"
		Latitude:	36° 40' 25.544 N
		Longitude:	107° 27' 5.170 W
		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
	+E/-W	0.0 ft	Easting: 147,667.63 ft
Position Uncertainty	3.5 ft	Wellhead Elevation:	ft
		Latitude:	36° 40' 25.544 N
		Longitude:	107° 27' 5.170 W
		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)	+N/-S	+E/-W	Direction
	(ft)	(ft)	(ft)	(°)
	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	