

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

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised July 16, 2010

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

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

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

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

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

AS DRILLED PLAT

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-31027	² Pool Code 71599 / 72319	³ Pool Name BASIN DAKOTA / BLANCO MESAVERDE
⁴ Property Code 7462	⁵ Property Name SAN JUAN 28 - 6 UNIT	⁶ Well Number 161P
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6503'

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
C	13	27-N	6-W		95	NORTH	2335	WEST	RIO ARriba

¹¹ Bottom Hole Location If Different From Surface

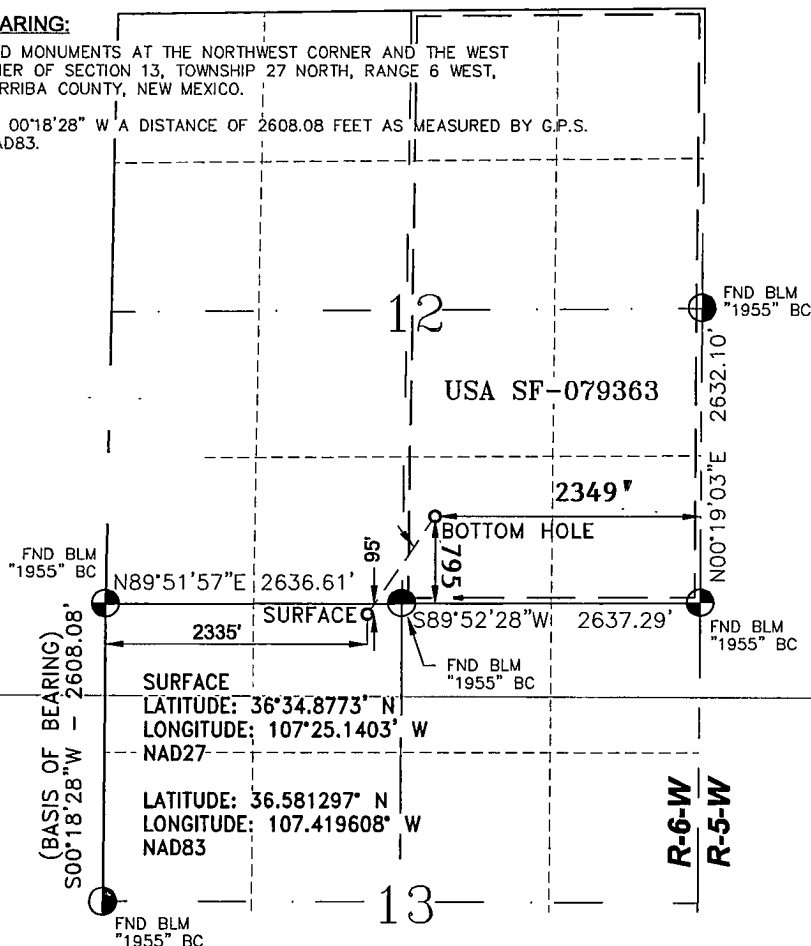
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	12	27-N	6-W		795'	SOUTH	2349'	EAST	RIO ARriba
¹² Dedicated Acres MV 320.00 ACRES E/2 DK 320.00 ACRES E/2			¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No. RCVD AUG 7 '12 OIL CONS. DIV.		

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

BASIS OF BEARING:

BETWEEN FOUND MONUMENTS AT THE NORTHWEST CORNER AND THE WEST QUARTER CORNER OF SECTION 13, TOWNSHIP 27 NORTH, RANGE 6 WEST, N.M.P.M. RIO ARriba COUNTY, NEW MEXICO.

LINE BEARS: S 00°18'28" W A DISTANCE OF 2608.08 FEET AS MEASURED BY G.P.S. LOCAL GRID NAD83.



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 of such a mineral or a working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

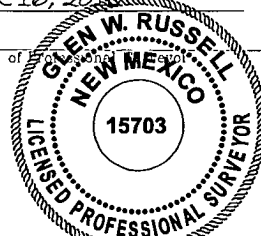
Signature
Marie E. Jaramillo 8/6/12
Printed Name
Regulatory Tech!
E-Mail Address

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.

SEPTEMBER 16, 2010
Date of Survey

Signature and Seal of Glen W. Russell



GLEN W. RUSSELL
Certificate Number 15703

COP Deviation Report

SAN JUAN 28-6 UNIT #161P

Operator BURLINGTON RESOURCES OIL & GAS COMPANY LP	Legal WellName SAN JUAN 28-6 UNIT #161P	API / UWI 3003931027	County RIO ARRIBA	State/Province NEW MEXICO
Surface Legal Location 013-027N-006W-C	N/S Dist (ft) 95 00	N/S Ref FNL	E/W Dist (ft) 2,335.00	E/W Ref FWL

Survey Data						
Date	MD (ftKB)	Incl (°)	Azm (°)	Method	Survey Company	
5/24/2012	0 00	0 00	0.00	IncAzi-MWD	Scientific Drilling	
4/19/2012	130.00	1.00		Inc-WL	Mo Te Drilling Inc	
4/19/2012	266 00	2 50		Inc-WL	Mo Te Drilling Inc	
5/24/2012	305 00	2 39	101.03	IncAzi-MWD	Scientific Drilling	
5/24/2012	335 00	2 47	95 81	IncAzi-MWD	Scientific Drilling	
5/24/2012	366 00	2 34	93.30	IncAzi-MWD	Scientific Drilling	
5/24/2012	397 00	2 62	89 35	IncAzi-MWD	Scientific Drilling	
5/24/2012	428 00	2.66	78.71	IncAzi-MWD	Scientific Drilling	
5/24/2012	458 00	2 85	66.76	IncAzi-MWD	Scientific Drilling	
5/24/2012	489 00	3 01	52.38	IncAzi-MWD	Scientific Drilling	
5/24/2012	520 00	2 96	47.24	IncAzi-MWD	Scientific Drilling	
5/24/2012	551 00	3.67	43.76	IncAzi-MWD	Scientific Drilling	
5/24/2012	581 00	4 53	39.94	IncAzi-MWD	Scientific Drilling	
5/24/2012	611 00	5 00	37 29	IncAzi-MWD	Scientific Drilling	
5/24/2012	642.00	5.55	36 08	IncAzi-MWD	Scientific Drilling	
5/24/2012	672.00	6.24	34 46	IncAzi-MWD	Scientific Drilling	
5/24/2012	703 00	6.79	33 90	IncAzi-MWD	Scientific Drilling	
5/24/2012	733.00	7.57	35 04	IncAzi-MWD	Scientific Drilling	
5/24/2012	764.00	8.32	33 73	IncAzi-MWD	Scientific Drilling	
5/24/2012	795.00	8.98	34 48	IncAzi-MWD	Scientific Drilling	
5/24/2012	826.00	9.60	33 33	IncAzi-MWD	Scientific Drilling	
5/24/2012	857.00	10.39	34 14	IncAzi-MWD	Scientific Drilling	
5/24/2012	888.00	10.90	33 04	IncAzi-MWD	Scientific Drilling	
5/24/2012	919.00	11 52	32.61	IncAzi-MWD	Scientific Drilling	
5/24/2012	949.00	12 20	32 57	IncAzi-MWD	Scientific Drilling	
5/24/2012	980.00	12.89	31.47	IncAzi-MWD	Scientific Drilling	
5/24/2012	1,011 00	13 79	31.15	IncAzi-MWD	Scientific Drilling	
5/24/2012	1,042 00	14.55	31.43	IncAzi-MWD	Scientific Drilling	
5/25/2012	1,073 00	15 11	31.85	IncAzi-MWD	Scientific Drilling	
5/24/2012	1,105.00	15 68	33 09	IncAzi-MWD	Scientific Drilling	
5/24/2012	1,136 00	16.29	33.97	IncAzi-MWD	Scientific Drilling	
5/24/2012	1,168 00	16 89	34.04	IncAzi-MWD	Scientific Drilling	
5/24/2012	1,200 00	17 80	33.66	IncAzi-MWD	Scientific Drilling	
5/24/2012	1,231 00	18 44	33.51	IncAzi-MWD	Scientific Drilling	
5/24/2012	1,263.00	19.39	33.32	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 _____

RCVD AUG 7 '12
OIL CONS. DIV.
DIST. 8

Notary Public in and for San Juan County, New Mexico

My Commission expires _____

COP Deviation Report

SAN JUAN 28-6 UNIT #161P

Survey Data						
Date	MD (ftKB)	Incl (°)	Azm (°)	Method	Survey Company	
5/24/2012	1,295.00	20.17	33.07	IncAzi-MWD	Scientific Drilling	
5/24/2012	1,326.00	21.04	33.75	IncAzi-MWD	Scientific Drilling	
5/24/2012	1,358.00	21.49	34.05	IncAzi-MWD	Scientific Drilling	
5/24/2012	1,390.00	22.24	34.77	IncAzi-MWD	Scientific Drilling	
5/24/2012	1,422.00	22.89	35.52	IncAzi-MWD	Scientific Drilling	
5/24/2012	1,453.00	23.50	36.40	IncAzi-MWD	Scientific Drilling	
5/24/2012	1,485.00	23.63	36.66	IncAzi-MWD	Scientific Drilling	
5/24/2012	1,517.00	24.02	36.61	IncAzi-MWD	Scientific Drilling	
5/24/2012	1,548.00	24.41	36.03	IncAzi-MWD	Scientific Drilling	
5/24/2012	1,579.00	24.94	34.87	IncAzi-MWD	Scientific Drilling	
5/24/2012	1,611.00	25.82	34.12	IncAzi-MWD	Scientific Drilling	
5/24/2012	1,642.00	26.41	33.86	IncAzi-MWD	Scientific Drilling	
5/24/2012	1,673.00	26.41	33.96	IncAzi-MWD	Scientific Drilling	
5/25/2012	1,705.00	26.56	33.56	IncAzi-MWD	Scientific Drilling	
5/25/2012	1,737.00	27.20	33.01	IncAzi-MWD	Scientific Drilling	
5/25/2012	1,800.00	28.02	32.65	IncAzi-MWD	Scientific Drilling	
5/25/2012	1,863.00	28.81	32.63	IncAzi-MWD	Scientific Drilling	
5/25/2012	1,927.00	29.30	32.76	IncAzi-MWD	Scientific Drilling	
5/25/2012	1,990.00	29.05	33.57	IncAzi-MWD	Scientific Drilling	
5/25/2012	2,053.00	27.25	35.28	IncAzi-MWD	Scientific Drilling	
5/25/2012	2,117.00	27.14	35.52	IncAzi-MWD	Scientific Drilling	
5/25/2012	2,180.00	28.16	35.40	IncAzi-MWD	Scientific Drilling	
5/25/2012	2,243.00	27.68	34.80	IncAzi-MWD	Scientific Drilling	
5/25/2012	2,305.00	27.55	34.24	IncAzi-MWD	Scientific Drilling	
5/25/2012	2,369.00	27.20	33.85	IncAzi-MWD	Scientific Drilling	
5/25/2012	2,432.00	27.27	33.28	IncAzi-MWD	Scientific Drilling	
5/25/2012	2,495.00	26.90	32.60	IncAzi-MWD	Scientific Drilling	
5/25/2012	2,558.00	26.42	31.92	IncAzi-MWD	Scientific Drilling	
5/25/2012	2,621.00	27.07	32.28	IncAzi-MWD	Scientific Drilling	
5/25/2012	2,685.00	26.47	31.49	IncAzi-MWD	Scientific Drilling	
5/25/2012	2,748.00	27.35	31.46	IncAzi-MWD	Scientific Drilling	
5/25/2012	2,811.00	27.34	32.44	IncAzi-MWD	Scientific Drilling	
5/25/2012	2,875.00	25.62	33.78	IncAzi-MWD	Scientific Drilling	
5/25/2012	2,939.00	24.55	33.32	IncAzi-MWD	Scientific Drilling	
5/25/2012	3,002.00	22.64	32.52	IncAzi-MWD	Scientific Drilling	
5/25/2012	3,065.00	20.41	31.45	IncAzi-MWD	Scientific Drilling	
5/25/2012	3,129.00	18.20	28.63	IncAzi-MWD	Scientific Drilling	
5/25/2012	3,192.00	16.78	27.60	IncAzi-MWD	Scientific Drilling	
5/25/2012	3,256.00	15.33	26.50	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 _____

Survey Data

Date	MD (ftKB)	Incl. (°)	Azm. (°)	Method	Survey Company
5/25/2012	3,319.00	13.71	25.17	IncAzi-MWD	Scientific Drilling
5/25/2012	3,382.00	11.81	25.73	IncAzi-MWD	Scientific Drilling
5/25/2012	3,445.00	9.80	31.32	IncAzi-MWD	Scientific Drilling
5/25/2012	3,508.00	8.54	35.45	IncAzi-MWD	Scientific Drilling
5/25/2012	3,572.00	6.72	34.15	IncAzi-MWD	Scientific Drilling
5/25/2012	3,635.00	4.61	32.76	IncAzi-MWD	Scientific Drilling
5/25/2012	3,698.00	2.72	41.12	IncAzi-MWD	Scientific Drilling
5/25/2012	3,718.00	2.19	36.46	IncAzi-MWD	Scientific Drilling
5/25/2012	3,781.00	2.19	36.46	IncAzi-MWD	Scientific Drilling
6/5/2012	7,879.00	1.00		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.

[Signature]

Subscribed and sworn to me this

8/2/12

[Signature]

Notary Public in and for San Juan County, New Mexico

My Commission expires

7/28/14



RCVD AUG 7 '12
OIL CONS. DIV.

DIST. 3

ConocoPhillips

SJB (NM Central)

SEC 13-T27N-R6W

San Juan 28-6 Unit #161P

OH

API # 3003931027

Design: OH

Standard Survey Report

31 May, 2012

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

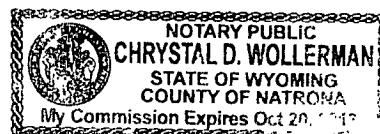
Notarized this date 31st of May, 2012.

Chrystal D. Wollerman

Notary Signature

County of Natrona

State of Wyoming



Scientific Drilling

ConocoPhillips

Project: SJB (NM Central)
 Site: SEC 13-T27N-R6W
 Well: San Juan 28-6 Unit #161P
 Wellbore: OH
 Design: OH

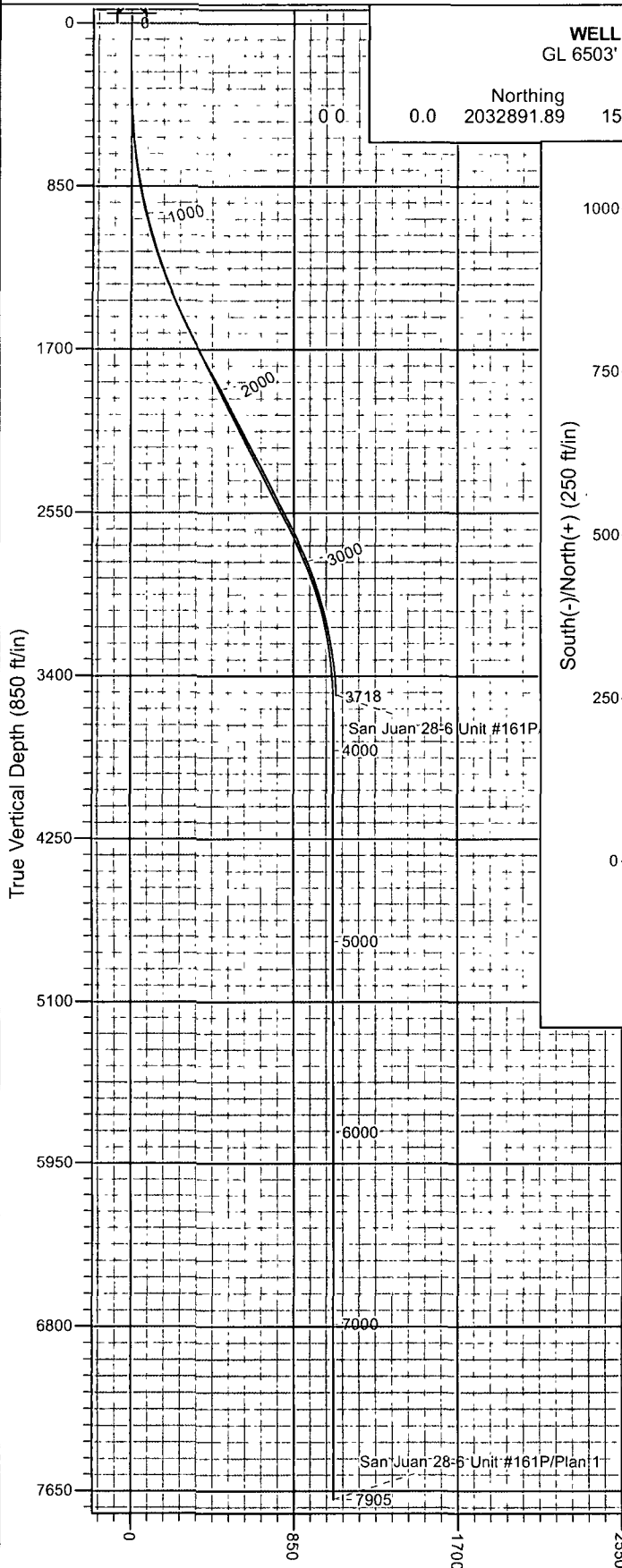


Scientific Drilling
 Directional Drilling Operations

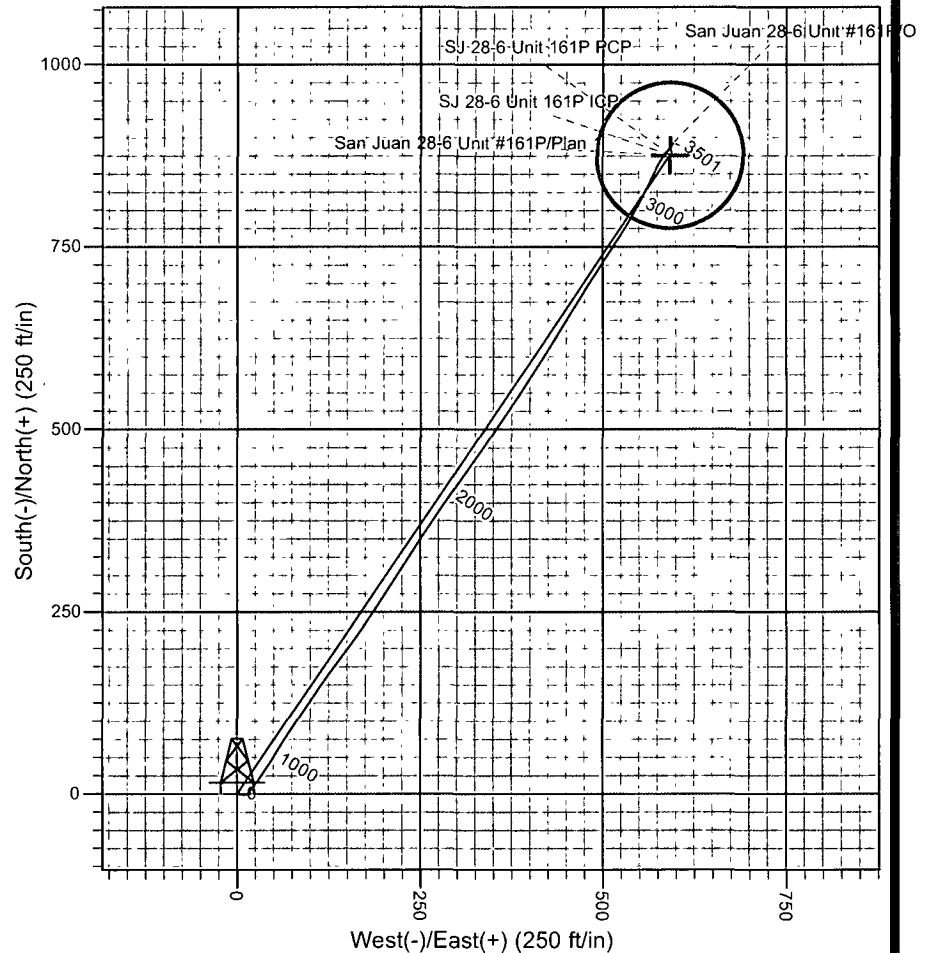
Mazimuths to True North
 Magnetic North 9.62°
 Magnetic Field
 Strength 50558 1snT
 Dip Angle 63.36°
 Date 2012/05/22
 Model BGGM2011

WELL DETAILS: San Juan 28-6 Unit #161P
 GL 6503' & KB 15' @ 6518.0ft (AWS 711)
 Ground Level: 6503.0

North	East	Lat	Long
0.0	0.0	36° 34' 52.638 N	107° 25' 8.418 W
2032891.89	156768.90		



Vertical Section at 34.07° (850 ft/in)



REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well San Juan 28-6 Unit #161P, True North
 Vertical (TVD) Reference: GL 6503' & KB 15' @ 6518.0ft (AWS 711)
 Section (VS) Reference: Slot - (0.0N, 0.0E)
 Measured Depth Reference: GL 6503' & KB 15' @ 6518.0ft (AWS 711)
 Calculation Method: Minimum Curvature

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

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well San Juan 28-6 Unit #161P
Project:	SJB (NM Central)	TVD Reference:	GL 6503' & KB 15' @ 6518 0ft (AWS 711)
Site:	SEC 13-T27N-R6W	MD Reference:	GL 6503' & KB 15' @ 6518 0ft (AWS 711)
Well:	San Juan 28-6 Unit #161P	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 2003.21 Single User Db

Project	SJB (NM Central), New Mexico, S-Type MVDK 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-T27N-R6W		
Site Position:		Northing:	2,032,891.89 ft
From:	Lat/Long	Easting:	156,768.90 ft
Position Uncertainty:	0.0 ft	Slot Radius:	"
		Latitude:	36° 34' 52.638 N
		Longitude:	107° 25' 8.418 W
		Grid Convergence:	-0.70 °

Well	San Juan 28-6 Unit #161P, 95' FNL 2335' FWL		
Well Position	+N/-S	0.0 ft	Northing: 2,032,891.89 ft
	+E/-W	0.0 ft	Easting: 156,768.90 ft
Position Uncertainty	0.0 ft	Wellhead Elevation:	ft
		Latitude:	36° 34' 52.638 N
		Longitude:	107° 25' 8.418 W
		Ground Level:	6,503.0 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	BGGM2011	2012/05/22	9.62	63.36	50,558

Design	OH				
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	34.07	

Survey Program	Date	2012/05/31			
From	To	Survey (Wellbore)	Tool Name	Description	
(ft)	(ft)				
305.0	3,718.0	Survey #1 (OH)	MWD SDI	MWD - Standard ver 1.0.1	

Survey										
Measured Depth	Inclination	Azimuth	Vertical Depth	+N/-S	+E/-W	Vertical Section	Dogleg Rate	Build Rate	Turn Rate	
(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	
305.0	2.39	101.03	304.9	-1.2	6.2	2.5	0.78	0.78	0.00	
First SDI MWD Survey										
335.0	2.47	95.81	334.9	-1.4	7.5	3.0	0.78	0.27	-17.40	
366.0	2.34	93.30	365.9	-1.5	8.8	3.7	0.54	-0.42	-8.10	
397.0	2.62	89.35	396.8	-1.5	10.1	4.4	1.06	0.90	-12.74	
428.0	2.66	78.71	427.8	-1.4	11.6	5.3	1.58	0.13	-34.32	
458.0	2.85	66.76	457.8	-1.0	12.9	6.4	2.01	0.63	-39.83	
489.0	3.01	52.38	488.7	-0.2	14.3	7.9	2.42	0.52	-46.39	
520.0	2.96	47.24	519.7	0.9	15.5	9.4	0.88	-0.16	-16.58	
551.0	3.67	43.76	550.6	2.1	16.8	11.2	2.38	2.29	-11.23	
581.0	4.53	39.94	580.5	3.7	18.2	13.3	3.01	2.87	-12.73	
611.0	5.00	37.29	610.4	5.7	19.8	15.8	1.73	1.57	-8.83	

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well San Juan 28-6 Unit #161P
Project:	SJB (NM Central)	TVD Reference:	GL 6503' & KB 15' @ 6518 0ft (AWS 711)
Site:	SEC 13-T27N-R6W	MD Reference:	GL 6503' & KB 15' @ 6518 0ft (AWS 711)
Well:	San Juan 28-6 Unit #161P	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 2003 21 Single User Db

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)
642.0	5.55	36.08	641.3	8.0	21.5	18.6	1.81	1.77	-3.90
672.0	6.24	34.46	671.2	10.5	23.2	21.7	2.37	2.30	-5.40
703.0	6.79	33.90	702.0	13.4	25.2	25.2	1.79	1.77	-1.81
733.0	7.57	35.04	731.7	16.5	27.3	29.0	2.64	2.60	3.80
764.0	8.32	33.73	762.4	20.0	29.8	33.3	2.49	2.42	-4.23
795.0	8.98	34.48	793.1	23.9	32.4	37.9	2.16	2.13	2.42
826.0	9.60	33.33	823.7	28.1	35.2	42.9	2.09	2.00	-3.71
857.0	10.39	34.14	854.2	32.5	38.1	48.3	2.59	2.55	2.61
888.0	10.90	33.04	884.7	37.3	41.3	54.0	1.77	1.65	-3.55
919.0	11.52	32.61	915.1	42.4	44.6	60.1	2.02	2.00	-1.39
949.0	12.20	32.57	944.4	47.6	47.9	66.2	2.27	2.27	-0.13
980.0	12.89	31.47	974.7	53.3	51.5	73.0	2.36	2.23	-3.55
1,011.0	13.79	31.15	1,004.8	59.4	55.2	80.1	2.91	2.90	-1.03
1,042.0	14.55	31.43	1,034.9	65.9	59.1	87.7	2.46	2.45	0.90
1,073.0	15.11	31.85	1,064.9	72.6	63.3	95.6	1.84	1.81	1.35
1,105.0	15.68	33.09	1,095.7	79.8	67.8	104.1	2.06	1.78	3.88
1,136.0	16.29	33.97	1,125.5	86.9	72.6	112.6	2.12	1.97	2.84
1,168.0	16.89	34.04	1,156.2	94.5	77.7	121.8	1.88	1.88	0.22
1,200.0	17.80	33.66	1,186.7	102.4	83.0	131.3	2.87	2.84	-1.19
1,231.0	18.44	33.51	1,216.2	110.4	88.3	140.9	2.07	2.06	-0.48
1,263.0	19.39	33.32	1,246.5	119.1	94.0	151.3	2.97	2.97	-0.59
1,295.0	20.17	33.07	1,276.6	128.1	100.0	162.1	2.45	2.44	-0.78
1,326.0	21.04	33.75	1,305.6	137.3	106.0	173.1	2.91	2.81	2.19
1,358.0	21.49	34.05	1,335.4	146.9	112.4	184.7	1.45	1.41	0.94
1,390.0	22.24	34.77	1,365.1	156.7	119.2	196.6	2.49	2.34	2.25
1,422.0	22.89	35.52	1,394.7	166.8	126.2	208.9	2.22	2.03	2.34
1,453.0	23.50	36.40	1,423.2	176.6	133.4	221.1	2.26	1.97	2.84
1,485.0	23.63	36.66	1,452.5	186.9	141.0	233.8	0.52	0.41	0.81
1,517.0	24.02	36.61	1,481.8	197.3	148.7	246.8	1.22	1.22	-0.16
1,548.0	24.41	36.03	1,510.0	207.5	156.3	259.5	1.47	1.26	-1.87
1,579.0	24.94	34.87	1,538.2	218.1	163.8	272.4	2.32	1.71	-3.74
1,611.0	25.82	34.12	1,567.1	229.4	171.5	286.1	2.93	2.75	-2.34
1,642.0	26.41	33.86	1,595.0	240.7	179.2	299.8	1.94	1.90	-0.84
1,673.0	26.41	33.96	1,622.7	252.1	186.9	313.5	0.14	0.00	0.32
1,705.0	26.56	33.56	1,651.4	264.0	194.8	327.8	0.73	0.47	-1.25
1,737.0	27.20	33.01	1,679.9	276.1	202.7	342.3	2.15	2.00	-1.72
1,800.0	28.02	32.65	1,735.7	300.6	218.6	371.5	1.33	1.30	-0.57
1,863.0	28.81	32.63	1,791.1	325.9	234.7	401.4	1.25	1.25	-0.03
1,927.0	29.30	32.76	1,847.1	352.0	251.5	432.5	0.77	0.77	0.20
1,990.0	29.05	33.57	1,902.1	377.7	268.3	463.2	0.74	-0.40	1.29
2,053.0	27.25	35.28	1,957.6	402.3	285.1	492.9	3.13	-2.86	2.71
2,117.0	27.14	35.52	2,014.6	426.1	302.1	522.2	0.24	-0.17	0.38
2,180.0	28.16	35.40	2,070.4	449.9	319.0	551.4	1.62	1.62	-0.19
2,243.0	27.68	34.80	2,126.0	474.1	336.0	580.9	0.88	-0.76	-0.95
2,305.0	27.55	34.24	2,181.0	497.7	352.3	609.6	0.47	-0.21	-0.90
2,369.0	27.20	33.85	2,237.8	522.1	368.7	639.1	0.61	-0.55	-0.61
2,432.0	27.27	33.28	2,293.8	546.1	384.7	667.9	0.43	0.11	-0.90
2,495.0	26.90	32.60	2,349.9	570.2	400.3	696.6	0.77	-0.59	-1.08
2,558.0	26.42	31.92	2,406.2	594.1	415.4	724.8	0.90	-0.76	-1.08
2,621.0	27.07	32.28	2,462.5	618.1	430.4	753.2	1.06	1.03	0.57
2,685.0	26.47	31.49	2,519.6	642.6	445.7	782.0	1.09	-0.94	-1.23
2,748.0	27.35	31.46	2,575.8	666.9	460.6	810.5	1.40	1.40	-0.05
2,811.0	27.34	32.44	2,631.8	691.5	475.9	839.4	0.71	-0.02	1.56
2,875.0	25.62	33.78	2,689.0	715.4	491.4	867.9	2.84	-2.69	2.09

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well San Juan 28-6 Unit #161P
Project:	SJB (NM Central)	TVD Reference:	GL 6503' & KB 15' @ 6518 0ft (AWS 711)
Site:	SEC 13-T27N-R6W	MD Reference:	GL 6503' & KB 15' @ 6518 0ft (AWS 711)
Well:	San Juan 28-6 Unit #161P	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 2003 21 Single User Db

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)
2,939.0	24.55	33.32	2,747.0	738.0	506.4	895.0	1.70	-1.67	-0.72
3,002.0	22.64	32.52	2,804.7	759.2	520.2	920.2	3.07	-3.03	-1.27
3,065.0	20.41	31.45	2,863.3	778.8	532.4	943.3	3.59	-3.54	-1.70
3,129.0	18.20	28.63	2,923.7	797.1	543.0	964.4	3.75	-3.45	-4.41
3,192.0	16.78	27.60	2,983.8	813.7	551.9	983.3	2.31	-2.25	-1.63
3,256.0	15.33	26.50	3,045.3	829.5	560.0	1,000.8	2.31	-2.27	-1.72
3,319.0	13.71	25.17	3,106.3	843.7	566.9	1,016.5	2.63	-2.57	-2.11
3,382.0	11.81	25.73	3,167.8	856.3	572.9	1,030.2	3.02	-3.02	0.89
3,445.0	9.80	31.32	3,229.6	866.7	578.5	1,042.0	3.59	-3.19	8.87
3,508.0	8.54	35.45	3,291.8	875.1	584.0	1,052.0	2.26	-2.00	6.56
3,572.0	6.72	34.15	3,355.3	882.0	588.8	1,060.5	2.86	-2.84	-2.03
3,635.0	4.61	32.76	3,417.9	887.2	592.3	1,066.7	3.36	-3.35	-2.21
3,698.0	2.72	41.12	3,480.8	890.5	594.6	1,070.7	3.11	-3.00	13.27
3,718.0	2.19	36.46	3,500.8	891.1	595.1	1,071.6	2.83	-2.65	-23.30

Last SDI MWD Survey

Design Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
305.0	304.9	-1.2	6.2	First SDI MWD Survey
3,718.0	3,500.8	891.1	595.1	Last SDI MWD Survey

Checked By: _____ Approved By: _____ Date: _____