

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
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

"AS DRILLED PLAT"

☐ AMENDED REPORT

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30693	² Pool Code 71599 / 72319	³ Pool Name BLANCO BASIN DAKOTA/MESAVERDE
⁴ Property Code 7462	⁵ Property Name SAN JUAN 28 - 6 UNIT	⁶ Well Number 123N
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6708'

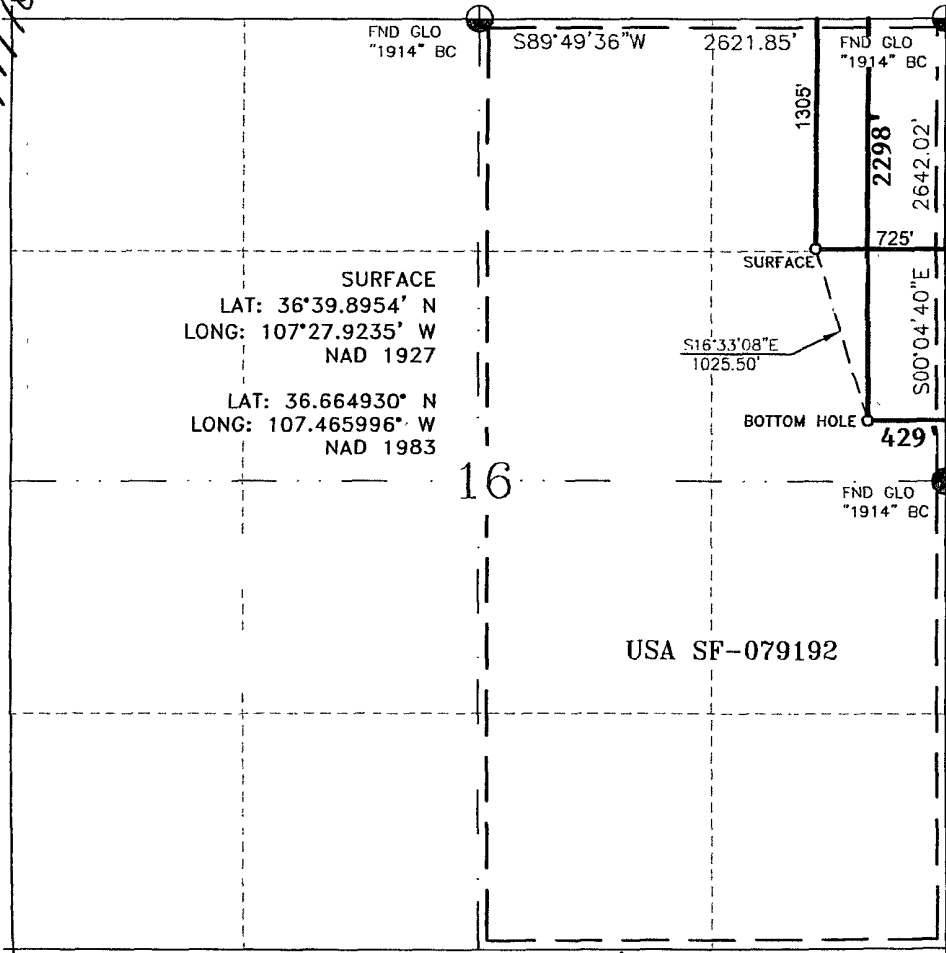
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	16	28-N	6-W		1305'	NORTH	725'	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
H	16	28-N	6-W		2298	NORTH	429	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 JUN 1 '10 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 **DIST. 3**



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.

Crystal Tafoya 5/14/10
Signature
Crystal Tafoya 5/14/10
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.

10/23/08
Date of Survey
Signature and Seal of Professional Surveyor:
Allen W. Russell
Certificate Number **15703**



COP Deviation Report
SAN JUAN 28-6 UNIT #123N

Operator BURLINGTON RESOURCES OIL & GAS COMPANY LP	Legal WellName SAN JUAN 28-6 UNIT #123N	API / UWI 3003930693	County RIO ARRIBA	State/Province NEW MEXICO
Surface Legal Location 016-028N-006W-A	N/S Dist (ft) 1,305.00	N/S Ref FNL	E/W Dist (ft) 725.00	E/W Ref FEL

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
1/20/2010	252.00	1.00	Inc-Drop	H&P
1/21/2010	267.00	0.32	IncAzi-MWD	Scientific Drilling
1/21/2010	329.00	0.44	IncAzi-MWD	Scientific Drilling
1/21/2010	390.00	1.52	IncAzi-MWD	Scientific Drilling
1/21/2010	451.00	2.62	IncAzi-MWD	Scientific Drilling
1/21/2010	513.00	3.90	IncAzi-MWD	Scientific Drilling
1/21/2010	574.00	5.17	IncAzi-MWD	Scientific Drilling
1/21/2010	635.00	6.21	IncAzi-MWD	Scientific Drilling
1/21/2010	697.00	7.17	IncAzi-MWD	Scientific Drilling
1/21/2010	758.00	8.35	IncAzi-MWD	Scientific Drilling
1/21/2010	835.00	9.84	IncAzi-MWD	Scientific Drilling
1/21/2010	925.00	11.71	IncAzi-MWD	Scientific Drilling
1/21/2010	1,015.00	13.83	IncAzi-MWD	Scientific Drilling
1/21/2010	1,105.00	15.84	IncAzi-MWD	Scientific Drilling
1/21/2010	1,195.00	17.41	IncAzi-MWD	Scientific Drilling
1/21/2010	1,285.00	19.48	IncAzi-MWD	Scientific Drilling
1/21/2010	1,375.00	21.96	IncAzi-MWD	Scientific Drilling
1/22/2010	1,465.00	21.90	IncAzi-MWD	Scientific Drilling
1/22/2010	1,555.00	21.52	IncAzi-MWD	Scientific Drilling
1/22/2010	1,645.00	22.42	IncAzi-MWD	Scientific Drilling
1/22/2010	1,735.00	22.31	IncAzi-MWD	Scientific Drilling
1/22/2010	1,825.00	22.28	IncAzi-MWD	Scientific Drilling
1/22/2010	1,915.00	22.69	IncAzi-MWD	Scientific Drilling
1/22/2010	2,005.00	22.03	IncAzi-MWD	Scientific Drilling
1/22/2010	2,095.00	21.50	IncAzi-MWD	Scientific Drilling
1/22/2010	2,185.00	21.62	IncAzi-MWD	Scientific Drilling
1/22/2010	2,275.00	21.17	IncAzi-MWD	Scientific Drilling
1/22/2010	2,365.00	22.04	IncAzi-MWD	Scientific Drilling
1/22/2010	2,455.00	22.07	IncAzi-MWD	Scientific Drilling
1/22/2010	2,545.00	22.24	IncAzi-MWD	Scientific Drilling
1/22/2010	2,635.00	21.33	IncAzi-MWD	Scientific Drilling
1/22/2010	2,725.00	22.26	IncAzi-MWD	Scientific Drilling
1/22/2010	2,815.00	21.04	IncAzi-MWD	Scientific Drilling
1/22/2010	2,904.00	21.71	IncAzi-MWD	Scientific Drilling
1/22/2010	2,994.00	22.47	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 #123N

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
1/22/2010	3,084.00	22.64	IncAzi-MWD	Scientific Drilling
1/22/2010	3,174.00	22.12	IncAzi-MWD	Scientific Drilling
1/22/2010	3,264.00	19.91	IncAzi-MWD	Scientific Drilling
1/22/2010	3,354.00	17.44	IncAzi-MWD	Scientific Drilling
1/22/2010	3,444.00	14.61	IncAzi-MWD	Scientific Drilling
1/22/2010	3,534.00	11.84	IncAzi-MWD	Scientific Drilling
1/22/2010	3,624.00	10.65	IncAzi-MWD	Scientific Drilling
1/22/2010	3,714.00	8.27	IncAzi-MWD	Scientific Drilling
1/22/2010	3,804.00	6.98	IncAzi-MWD	Scientific Drilling
1/22/2010	3,894.00	5.89	IncAzi-MWD	Scientific Drilling
1/23/2010	4,032.00	3.64	IncAzi-MWD	Scientific Drilling
1/23/2010	4,084.00	2.79	Projection	Scientific Drilling
3/17/2010	8,141.00	2.00	Inc-WL	PHOENIX

RCVD JUN 1 '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.

[Signature]

Subscribed and sworn to me this May 10, 2010

[Signature]

Notary Public in and for San Juan County, New Mexico

My Commission expires 10/12/2010

RCVD JUN 1 '10
OIL CONS. DIV.
DIST. 3

ConocoPhillips

SJB (NM Central)
SEC 16-T28N-R6W
SJ 28-6 #123N

Original Hole

Survey: Original Hole

Standard Survey Report

31 March, 2010

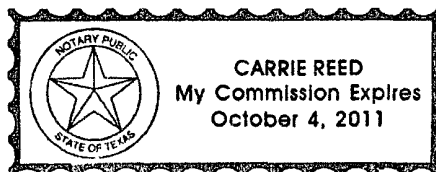
This survey is correct to the best of my knowledge and is supported by actual field data.

Lubarton

Notorized this date 1st of April, 2010.

Carrie Reed

Notary Signature
County of Midland
State of Texas



Scientific Drilling International, Inc.
Survey Report

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well SJ 28-6 #123N
Project:	SJB (NM Central)	TVD Reference:	DFE @ 6724.0ft (H&P 283)
Site:	SEC 16-T28N-R6W	MD Reference:	DFE @ 6724.0ft (H&P 283)
Well:	SJ 28-6 #123N	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 16-T28N-R6W				
Site Position:		Northing:	2,063,508.53ft	Latitude:	36° 39' 53.724 N	
From:	Lat/Long	Easting:	143,534.10ft	Longitude:	107° 27' 55.410 W	
Position Uncertainty:		0.0 ft	Slot Radius:	6-1/8"	Grid Convergence:	-0.73 °

Well	SJ 28-6 #123N, S-Type MV/DK Well					
Well Position	+N/-S	0.0 ft	Northing:	2,063,508.53 ft	Latitude:	36° 39' 53.724 N
	+E/-W	0.0 ft	Easting:	143,534.10 ft	Longitude:	107° 27' 55.410 W
Position Uncertainty		3.5 ft	Wellhead Elevation:	ft	Ground Level:	6,708.0 ft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2009	1/7/2010	9 93	63.53	50,894

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	163.42

Survey Program	Date	3/31/2010		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
267.0	4,032.0	Original Hole (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
267.0	0.32	285.09	267.0	0.2	-0.7	-0.4	0.12	0.12	0.00
329.0	0.44	177.81	329.0	0.0	-0.9	-0.3	0.99	0.19	-173.03
390.0	1.52	161.32	390.0	-1.0	-0.6	0.8	1.81	1.77	-27.03
451.0	2.62	155.50	450.9	-3.0	0.2	3.0	1.83	1.80	-9.54
513.0	3.90	157.81	512.8	-6.3	1.6	6.5	2.07	2.06	3.73
574.0	5.17	164.24	573.7	-10.8	3.1	11.3	2.24	2.08	10.54
635.0	6.21	163.30	634.4	-16.6	4.8	17.3	1.71	1.70	-1.54
697.0	7.17	164.57	695.9	-23.6	6.8	24.6	1.57	1.55	2.05
758.0	8.35	164.71	756.4	-31.5	9.0	32.8	1.93	1.93	0.23
835.0	9.84	164.83	832.4	-43.3	12.2	45.0	1.94	1.94	0.16
925.0	11.71	163.92	920.8	-59.5	16.7	61.8	2.09	2.08	-1.01
1,015.0	13.83	162.19	1,008.6	-78.5	22.6	81.7	2.39	2.36	-1.92

Scientific Drilling International, Inc.

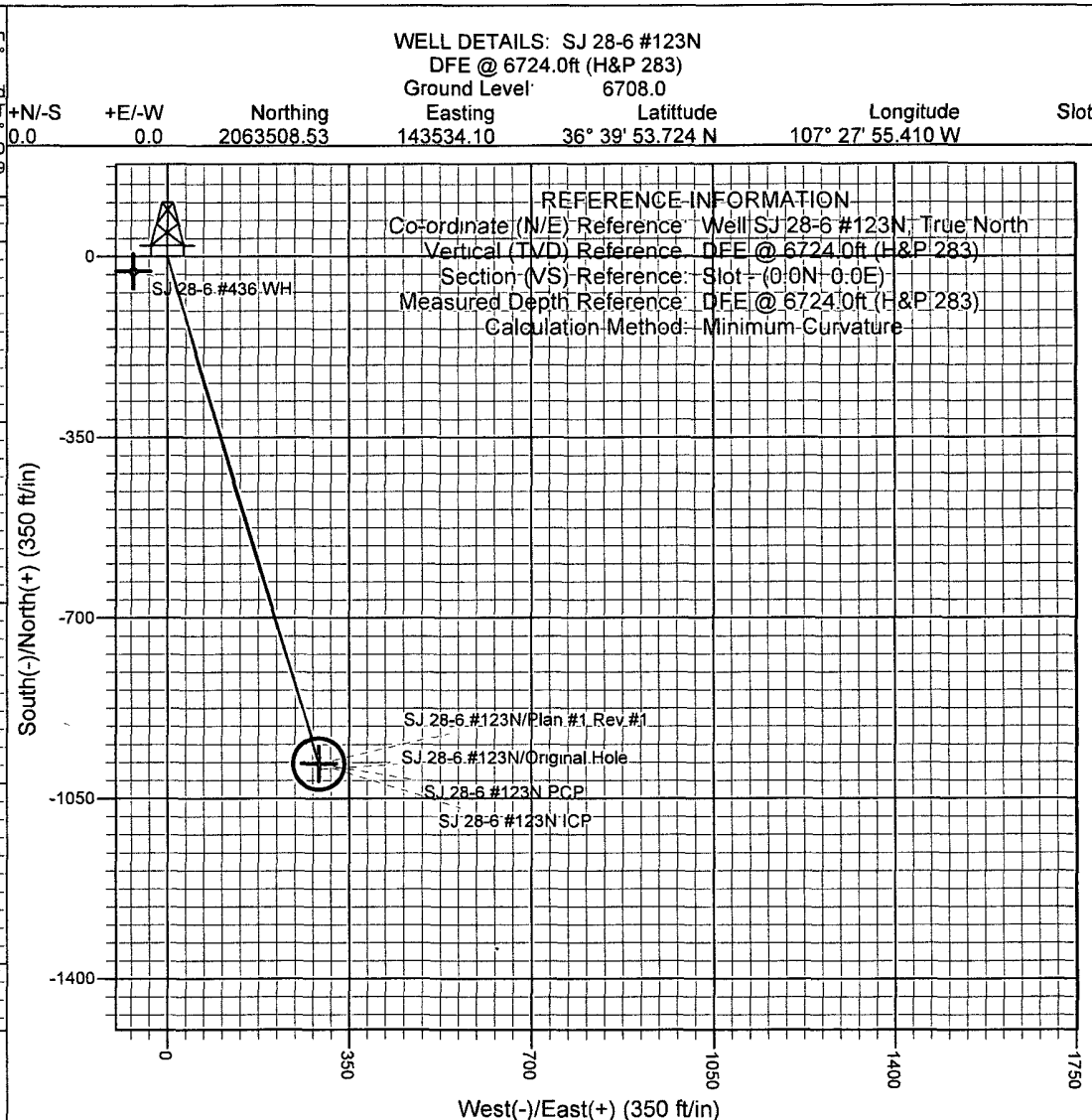
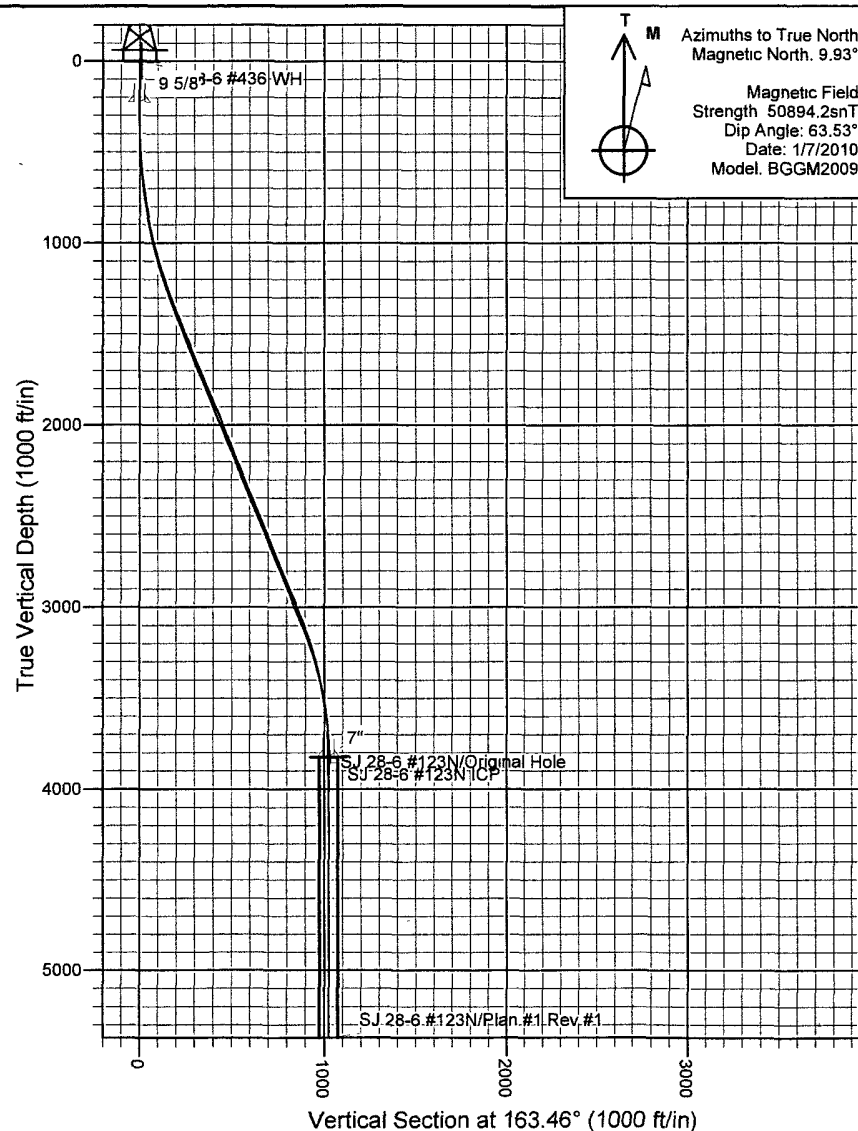
Survey Report

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well SJ 28-6 #123N
Project:	SJB (NM Central)	TVD Reference:	DFE @ 6724.0ft (H&P 283)
Site:	SEC 16-T28N-R6W	MD Reference:	DFE @ 6724.0ft (H&P 283)
Well:	SJ 28-6 #123N	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)
1,105.0	15.84	162.86	1,095.6	-100.5	29.5	104.7	2.24	2.23	0.74
1,195.0	17.41	163.90	1,181.8	-125.2	36.8	130.5	1.78	1.74	1.16
1,285.0	19.48	165.57	1,267.2	-152.6	44.3	158.9	2.37	2.30	1.86
1,375.0	21.96	164.90	1,351.4	-183.4	52.4	190.7	2.77	2.76	-0.74
1,465.0	21.90	163.16	1,434.8	-215.7	61.7	224.4	0.73	-0.07	-1.93
1,555.0	21.52	162.98	1,518.5	-247.6	71.4	257.6	0.43	-0.42	-0.20
1,645.0	22.42	163.45	1,601.9	-279.8	81.1	291.3	1.02	1.00	0.52
1,735.0	22.31	162.98	1,685.2	-312.6	91.0	325.6	0.23	-0.12	-0.52
1,825.0	22.28	164.27	1,768.4	-345.3	100.6	359.7	0.54	-0.03	1.43
1,915.0	22.69	164.29	1,851.6	-378.5	109.9	394.1	0.46	0.46	0.02
2,005.0	22.03	163.88	1,934.8	-411.4	119.3	428.4	0.75	-0.73	-0.46
2,095.0	21.50	163.78	2,018.4	-443.5	128.6	461.7	0.59	-0.59	-0.11
2,185.0	21.62	162.72	2,102.1	-475.1	138.1	494.8	0.45	0.13	-1.18
2,275.0	21.17	163.07	2,185.9	-506.5	147.8	527.6	0.52	-0.50	0.39
2,365.0	22.04	164.23	2,269.6	-538.3	157.1	560.8	1.08	0.97	1.29
2,455.0	22.07	163.32	2,353.0	-570.8	166.6	594.6	0.38	0.03	-1.01
2,545.0	22.24	163.18	2,436.3	-603.3	176.4	628.5	0.20	0.19	-0.16
2,635.0	21.33	162.90	2,519.9	-635.2	186.1	661.9	1.02	-1.01	-0.31
2,725.0	22.26	162.50	2,603.5	-667.1	196.0	695.3	1.05	1.03	-0.44
2,815.0	21.04	162.57	2,687.1	-698.8	206.0	728.5	1.36	-1.36	0.08
2,904.0	21.71	163.61	2,770.0	-729.8	215.4	760.9	0.86	0.75	1.17
2,994.0	22.47	162.95	2,853.4	-762.2	225.2	794.8	0.89	0.84	-0.73
3,084.0	22.64	163.49	2,936.5	-795.3	235.1	829.3	0.30	0.19	0.60
3,174.0	22.12	163.78	3,019.7	-828.2	244.8	863.6	0.59	-0.58	0.32
3,264.0	19.91	162.33	3,103.7	-859.0	254.2	895.8	2.52	-2.46	-1.61
3,354.0	17.44	160.98	3,189.0	-886.4	263.2	924.6	2.79	-2.74	-1.50
3,444.0	14.61	163.25	3,275.5	-910.0	270.9	949.5	3.22	-3.14	2.52
3,534.0	11.84	163.71	3,363.1	-929.7	276.8	970.1	3.08	-3.08	0.51
3,624.0	10.65	163.25	3,451.4	-946.6	281.7	987.6	1.33	-1.32	-0.51
3,714.0	8.27	167.27	3,540.1	-960.9	285.6	1,002.4	2.74	-2.64	4.47
3,804.0	6.98	162.03	3,629.3	-972.4	288.7	1,014.3	1.63	-1.43	-5.82
3,894.0	5.89	159.10	3,718.8	-981.9	292.0	1,024.4	1.26	-1.21	-3.26
4,032.0	3.64	165.46	3,856.3	-992.7	295.6	1,035.8	1.67	-1.63	4.61



Project: SJB (NM Central)
SEC 16-T28N-R6W
Well: SJ 28-6 #123N
Wellbore: Original Hole
Design: Plan #1 Rev #1
Site:



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 16-T28N-R6W
Rio Arriba County NM
Site Centre Latitude: 36° 39' 53.724 N
Longitude: 107° 27' 55.410 W
Positional Uncertainty: 0.0
Convergence: -0.73
Local North: True