

RCVD AUG 17 '12
OIL CONS. DIV.
DIST. 3

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

DISTRICT II
811 S. First St., Artesia, N.M. 88210
Phone: (575) 748-1283 Fax: (575) 748-8720

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, N.M. 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department

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

AS DRILLED PLAT

Form C-102

Revised August 1, 2011

Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30611	² Pool Code 71599/97232/72319	³ Pool Name BASIN DAKOTA/BASIN MANCOS/BLANCO-MESAVERDE
⁴ Property Code 7454	⁵ Property Name SAN JUAN 27-5 UNIT	⁶ Well Number 128N
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6542

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
I	27	27 N	5 W	LOT 9	1509	SOUTH	940	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
I	27	27 N	5 W	LOT 9	1270'	SOUTH	937'	EAST	RIO ARRIBA

¹² Dedicated Acres 310.51 (DK S/2) 294.64 (MV E/2)	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

16 N 89°52'51" W LEGEND: ○ = SURFACE LOCATION ● = BOTTOM HOLE LOCATION LOT 4 34.82 LOT 3 35.25 LOT 5 35.00 LOT 6 35.44 LOT 7 35.84 LOT 8 36.36 LOT 9 37.15 LOT 10 37.85 LOT 11 38.11 LOT 12 37.40	5264.02' 00°17'38" G.N.=GRID NORTH T.N.=TRUE NORTH CONVERGENCE AT SURFACE LOCATION USA SF-079403 SECTION 27 SURFACE LAT: 36.542367° N LONG: 107.339810° W NAD 83 LAT: 36° 32.5414' N LONG: 107° 20.3526' W NAD 27 940' 937' 1509' 1270' 2698.59'	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 working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature _____ Date _____ Marie E. Jaramillo 8/16/12 Printed Name _____ marie.e.jaramillo@conocophillips.com E-mail Address _____
		USA SF-079394 BEARINGS & DISTANCES SHOWN ARE REFERENCED TO THE NEW MEXICO COORDINATE SYSTEM, WEST ZONE, NAD 83, UNLESS OTHERWISE NOTED. S 89°24'54" W 2707.39' S 89°24'24" W

A

Operator BURLINGTON RESOURCES OIL & GAS COMPANY LP	Legal WellName SAN JUAN 27-5 UNIT #128N	API / UWI 3003930611	County RIO ARRIBA	State/Province NEW MEXICO
Surface Legal Location 027-27N-005W-I	N/S Dist (ft) 1,509.00	N/S Ref FSL	E/W Dist (ft) 940.00	E/W Ref FEL

Survey Data						
Date	MD (ftKB)	Incl (°)	Azm (°)	Method	Survey Company	
5/25/2012	130.00	0.75	0.00	Inc-WL	Mo Te Drilling Inc	
5/25/2012	236.00	1.00	0.00	Inc-WL	Mo Te Drilling Inc	
6/5/2012	309.00	1.19	17.52	IncAzi-MWD	Scientific Drilling	
6/5/2012	340.00	1.14	0.89	IncAzi-MWD	Scientific Drilling	
6/5/2012	370.00	0.74	356.69	IncAzi-MWD	Scientific Drilling	
6/5/2012	400.00	0.34	2.30	IncAzi-MWD	Scientific Drilling	
6/5/2012	431.00	0.08	123.82	IncAzi-MWD	Scientific Drilling	
6/5/2012	462.00	0.62	182.87	IncAzi-MWD	Scientific Drilling	
6/5/2012	493.00	1.19	172.54	IncAzi-MWD	Scientific Drilling	
6/5/2012	523.00	1.72	178.46	IncAzi-MWD	Scientific Drilling	
6/5/2012	553.00	2.38	172.10	IncAzi-MWD	Scientific Drilling	
6/5/2012	584.00	3.10	181.77	IncAzi-MWD	Scientific Drilling	
6/5/2012	614.00	3.68	179.12	IncAzi-MWD	Scientific Drilling	
6/5/2012	645.00	4.45	182.37	IncAzi-MWD	Scientific Drilling	
6/5/2012	676.00	5.08	185.35	IncAzi-MWD	Scientific Drilling	
6/5/2012	707.00	6.05	184.27	IncAzi-MWD	Scientific Drilling	
6/5/2012	737.00	6.69	182.77	IncAzi-MWD	Scientific Drilling	
6/5/2012	768.00	6.95	182.82	IncAzi-MWD	Scientific Drilling	
6/5/2012	799.00	6.83	183.87	IncAzi-MWD	Scientific Drilling	
6/5/2012	861.00	6.87	183.74	IncAzi-MWD	Scientific Drilling	
6/5/2012	923.00	7.26	183.83	IncAzi-MWD	Scientific Drilling	
6/5/2012	984.00	7.29	182.46	IncAzi-MWD	Scientific Drilling	
6/5/2012	1,046.00	8.11	182.11	IncAzi-MWD	Scientific Drilling	
6/6/2012	1,109.00	7.80	179.42	IncAzi-MWD	Scientific Drilling	
6/6/2012	1,172.00	7.81	178.58	IncAzi-MWD	Scientific Drilling	
6/6/2012	1,236.00	8.33	178.00	IncAzi-MWD	Scientific Drilling	
6/6/2012	1,299.00	7.49	178.92	IncAzi-MWD	Scientific Drilling	
6/6/2012	1,362.00	7.61	177.29	IncAzi-MWD	Scientific Drilling	
6/6/2012	1,426.00	6.45	180.04	IncAzi-MWD	Scientific Drilling	
6/6/2012	1,489.00	6.67	178.60	IncAzi-MWD	Scientific Drilling	
6/6/2012	1,552.00	5.77	179.72	IncAzi-MWD	Scientific Drilling	
6/6/2012	1,615.00	6.03	179.86	IncAzi-MWD	Scientific Drilling	
6/6/2012	1,678.00	5.99	178.71	IncAzi-MWD	Scientific Drilling	
6/6/2012	1,742.00	6.23	179.17	IncAzi-MWD	Scientific Drilling	
6/6/2012	1,805.00	6.17	178.52	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
6/6/2012	1,868.00	6.00	175.76	IncAzi-MWD	Scientific Drilling
6/6/2012	1,931.00	6.02	179.20	IncAzi-MWD	Scientific Drilling
6/6/2012	1,994.00	5.65	179.86	IncAzi-MWD	Scientific Drilling
6/6/2012	2,057.00	5.48	178.20	IncAzi-MWD	Scientific Drilling
6/6/2012	2,121.00	5.86	177.60	IncAzi-MWD	Scientific Drilling
6/6/2012	2,184.00	6.17	179.30	IncAzi-MWD	Scientific Drilling
6/6/2012	2,247.00	6.82	181.20	IncAzi-MWD	Scientific Drilling
6/6/2012	2,310.00	6.31	177.70	IncAzi-MWD	Scientific Drilling
6/6/2012	2,374.00	5.59	177.75	IncAzi-MWD	Scientific Drilling
6/6/2012	2,437.00	5.80	176.61	IncAzi-MWD	Scientific Drilling
6/6/2012	2,501.00	5.92	179.06	IncAzi-MWD	Scientific Drilling
6/6/2012	2,564.00	5.11	181.72	IncAzi-MWD	Scientific Drilling
6/6/2012	2,628.00	4.50	181.25	IncAzi-MWD	Scientific Drilling
6/6/2012	2,691.00	3.45	180.70	IncAzi-MWD	Scientific Drilling
6/6/2012	2,755.00	2.39	178.86	IncAzi-MWD	Scientific Drilling
6/6/2012	2,818.00	1.58	172.93	IncAzi-MWD	Scientific Drilling
6/6/2012	2,881.00	0.27	198.78	IncAzi-MWD	Scientific Drilling
6/6/2012	2,944.00	0.23	261.44	IncAzi-MWD	Scientific Drilling
6/6/2012	3,008.00	0.08	48.10	IncAzi-MWD	Scientific Drilling
6/6/2012	3,072.00	0.17	151.36	IncAzi-MWD	Scientific Drilling
6/6/2012	3,135.00	0.24	183.37	IncAzi-MWD	Scientific Drilling
6/6/2012	3,230.00	0.32	157.61	IncAzi-MWD	Scientific Drilling
6/7/2012	3,325.00	0.24	153.84	IncAzi-MWD	Scientific Drilling
6/7/2012	3,420.00	0.44	163.09	IncAzi-MWD	Scientific Drilling
6/7/2012	3,483.00	0.14	102.43	IncAzi-MWD	Scientific Drilling
6/20/2012	7,700.00	1.50		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.

Al G. H.

Subscribed and sworn to me this 8/16/12

Manuel Jarama
Notary Public in and for San Juan County, New Mexico

My Commission expires 7/28/14



RCVD AUG 17 '12
OIL CONS. DIV.
DIST. 3

ConocoPhillips

SJB (NM Central)
SEC 27-T27N-R5W
San Juan 27-5 Unit #128N

OH

AP # 3003930611

Design: OH

Standard Survey Report

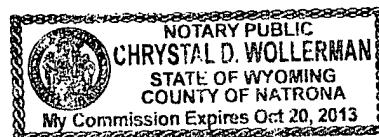
08 June, 2012

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

Notarized this date 8th of June, 2012.

Chrystal D. Wollerman

Notary Signature
County of Natrona
State of Wyoming



ConocoPhillips

Project: SJB (NM Central)
 Site: SEC 27-T27N-R5W
 Well: San Juan 27-5 Unit #128N
 Wellbore: OH
 Design: OH

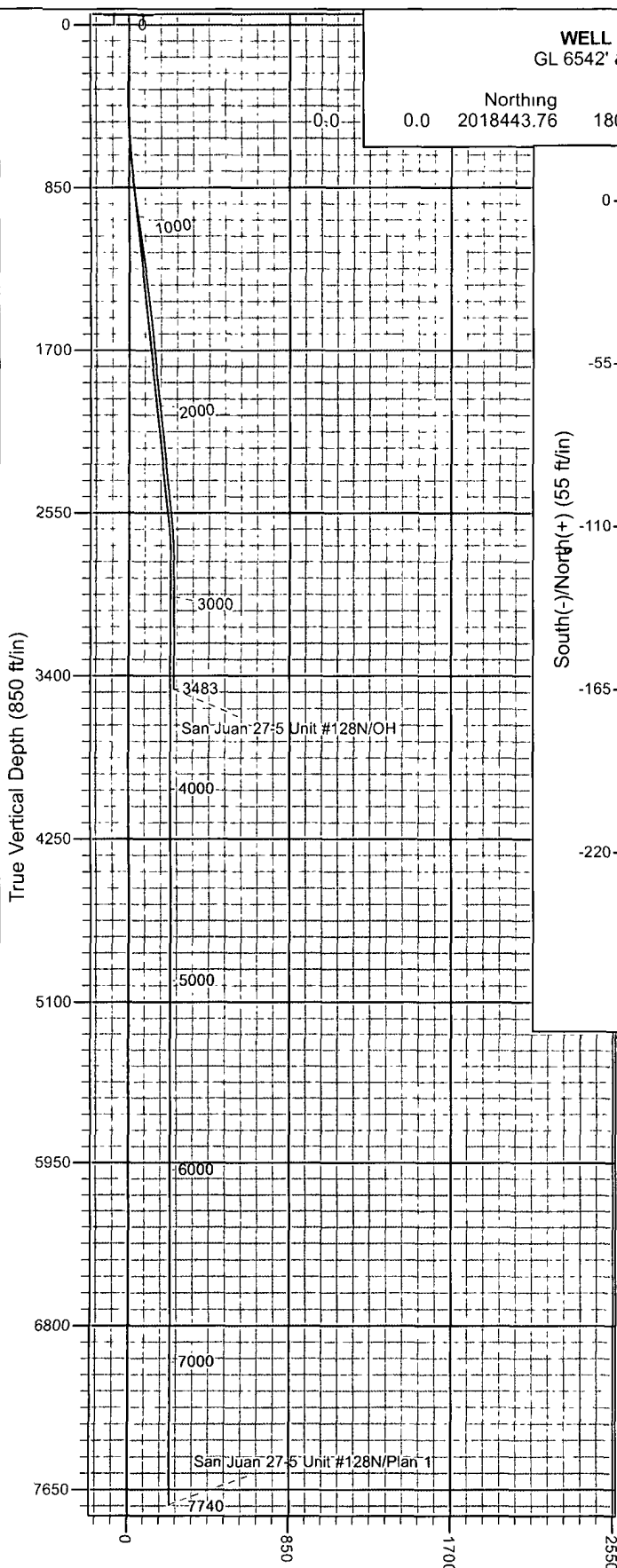


Scientific Drilling
 Directional Drilling Operations

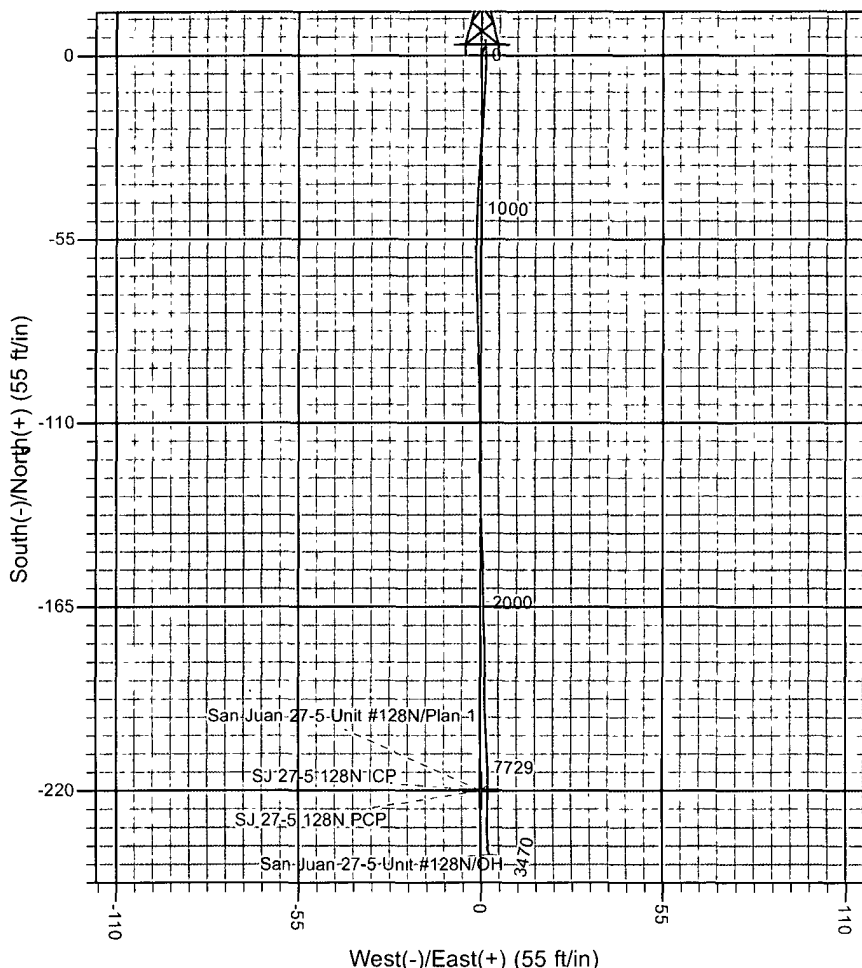
WELL DETAILS: San Juan 27-5 Unit #128N
 GL 6542' & KB 15' @ 6557.0ft (AWS 711)
 Ground Level: 6542.0

	North	Easting	Latitude	Longitude
0.0	2018443.76	180037.82	36° 32' 32.484 N	107° 20' 21.156 W

T
 ↑
 Magnetic North 9.62
 Magnetic Field
 Strength 50539.5nT
 Dip Angle 63.33
 Date 2012/06/01
 Model BGGM2012



Vertical Section at 180.00° (850 ft/in)



REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well San Juan 27-5 Unit #128N, True North
 Vertical (TVD) Reference: GL 6542' & KB 15' @ 6557.0ft (AWS 711)
 Section (VS) Reference: Slot - (0.0N, 0.0E)
 Measured Depth Reference: GL 6542' & KB 15' @ 6557.0ft (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 27-5 Unit #128N
Project:	SJB (NM Central)	TVD Reference:	GL 6542' & KB 15' @ 6557.0ft (AWS 711)
Site:	SEC 27-T27N-R5W	MD Reference:	GL 6542' & KB 15' @ 6557 0ft (AWS 711)
Well:	San Juan 27-5 Unit #128N	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 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 27-T27N-R5W		
Site Position:		Northing:	2,018,443.76 ft
From:	Lat/Long	Easting:	180,037.82 ft
Position Uncertainty:	0.0 ft	Slot Radius:	"
		Latitude:	36° 32' 32.484 N
		Longitude:	107° 20' 21.156 W
		Grid Convergence:	-0.65 °

Well	San Juan 27-5 Unit #128N, 1509' FSL 940' FEL		
Well Position	+N/-S	0.0 ft	Latitude: 36° 32' 32.484 N
	+E/-W	0.0 ft	Longitude: 107° 20' 21.156 W
Position Uncertainty	0.0 ft	Wellhead Elevation:	ft
		Ground Level:	6,542.0 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2012	2012/06/01	9.62	63.33	50,540

Design	OH			
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	180.00

Survey Program	Date	2012/06/08		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
309.0	3,483.0	Survey #1 (OH)	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
309.0	1.19	17.56	309.0	3.1	1.0	-3.1	0.39	0.39	0.00
First SDI MWD Survey									
340.0	1.14	0.93	340.0	3.7	1.1	-3.7	1.10	-0.16	-53.65
370.0	0.74	356.72	370.0	4.2	1.1	-4.2	1.35	-1.33	-14.03
400.0	0.34	2.34	400.0	4.4	1.1	-4.4	1.34	-1.33	18.73
431.0	0.08	123.86	431.0	4.5	1.1	-4.5	1.25	-0.84	392.00
462.0	0.62	182.90	462.0	4.3	1.1	-4.3	1.88	1.74	190.45
493.0	1.19	172.58	493.0	3.9	1.1	-3.9	1.91	1.84	-33.29
523.0	1.72	178.46	523.0	3.1	1.2	-3.1	1.83	1.77	19.60
553.0	2.38	172.10	552.9	2.0	1.3	-2.0	2.32	2.20	-21.20
584.0	3.10	181.77	583.9	0.6	1.3	-0.6	2.75	2.32	31.19
614.0	3.68	179.12	613.8	-1.2	1.3	1.2	2.00	1.93	-8.83

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well San Juan 27-5 Unit #128N
Project:	SJB (NM Central)	TVD Reference:	GL 6542' & KB 15' @ 6557.0ft (AWS 711)
Site:	SEC 27-T27N-R5W	MD Reference:	GL 6542' & KB 15' @ 6557.0ft (AWS 711)
Well:	San Juan 27-5 Unit #128N	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)	
645.0	4.45	182.37	644.8	-3.4	1.3	3.4	2.59	2.48	10.48	
676.0	5.08	185.35	675.7	-6.0	1.1	6.0	2.18	2.03	9.61	
707.0	6.05	184.27	706.5	-9.0	0.9	9.0	3.15	3.13	-3.48	
737.0	6.69	182.77	736.3	-12.3	0.7	12.3	2.20	2.13	-5.00	
768.0	6.95	182.82	767.1	-16.0	0.5	16.0	0.84	0.84	0.16	
799.0	6.83	183.87	797.9	-19.7	0.3	19.7	0.56	-0.39	3.39	
861.0	6.87	183.74	859.4	-27.1	-0.2	27.1	0.07	0.06	-0.21	
923.0	7.26	183.83	921.0	-34.7	-0.7	34.7	0.63	0.63	0.15	
984.0	7.29	182.46	981.5	-42.4	-1.2	42.4	0.29	0.05	-2.25	
1,046.0	8.11	182.11	1,042.9	-50.7	-1.5	50.7	1.32	1.32	-0.56	
1,109.0	7.80	179.42	1,105.3	-59.4	-1.6	59.4	0.77	-0.49	-4.27	
1,172.0	7.81	178.58	1,167.7	-68.0	-1.5	68.0	0.18	0.02	-1.33	
1,236.0	8.33	178.00	1,231.1	-76.9	-1.2	76.9	0.82	0.81	-0.91	
1,299.0	7.49	178.92	1,293.5	-85.6	-0.9	85.6	1.35	-1.33	1.46	
1,362.0	7.61	177.29	1,355.9	-93.9	-0.7	93.9	0.39	0.19	-2.59	
1,426.0	6.45	180.04	1,419.5	-101.7	-0.5	101.7	1.89	-1.81	4.30	
1,489.0	6.67	178.60	1,482.1	-108.9	-0.4	108.9	0.44	0.35	-2.29	
1,552.0	5.77	179.72	1,544.7	-115.7	-0.3	115.7	1.44	-1.43	1.78	
1,615.0	6.03	179.86	1,607.3	-122.2	-0.3	122.2	0.41	0.41	0.22	
1,678.0	5.99	178.71	1,670.0	-128.8	-0.2	128.8	0.20	-0.06	-1.83	
1,742.0	6.23	179.17	1,733.6	-135.6	-0.1	135.6	0.38	0.38	0.72	
1,805.0	6.17	178.52	1,796.3	-142.4	0.1	142.4	0.15	-0.10	-1.03	
1,868.0	6.00	175.76	1,858.9	-149.1	0.4	149.1	0.54	-0.27	-4.38	
1,931.0	6.02	179.20	1,921.6	-155.7	0.7	155.7	0.57	0.03	5.46	
1,994.0	5.65	179.86	1,984.2	-162.1	0.8	162.1	0.60	-0.59	1.05	
2,057.0	5.48	178.20	2,046.9	-168.2	0.9	168.2	0.37	-0.27	-2.63	
2,121.0	5.86	177.60	2,110.6	-174.5	1.1	174.5	0.60	0.59	-0.94	
2,184.0	6.17	179.30	2,173.3	-181.1	1.3	181.1	0.57	0.49	2.70	
2,247.0	6.82	181.20	2,235.9	-188.2	1.2	188.2	1.09	1.03	3.02	
2,310.0	6.31	177.70	2,298.5	-195.4	1.3	195.4	1.03	-0.81	-5.56	
2,374.0	5.59	177.75	2,362.1	-202.0	1.6	202.0	1.13	-1.13	0.08	
2,437.0	5.80	176.61	2,424.8	-208.3	1.9	208.3	0.38	0.33	-1.81	
2,501.0	5.92	179.06	2,488.5	-214.8	2.1	214.8	0.43	0.19	3.83	
2,564.0	5.11	181.72	2,551.2	-220.9	2.1	220.9	1.35	-1.29	4.22	
2,628.0	4.50	181.25	2,615.0	-226.2	1.9	226.2	0.96	-0.95	-0.73	
2,691.0	3.45	180.70	2,677.8	-230.6	1.9	230.6	1.67	-1.67	-0.87	
2,755.0	2.39	178.86	2,741.7	-233.9	1.9	233.9	1.66	-1.66	-2.88	
2,818.0	1.58	172.93	2,804.7	-236.0	2.0	236.0	1.32	-1.29	-9.41	
2,881.0	0.27	198.78	2,867.7	-237.0	2.1	237.0	2.13	-2.08	41.03	
2,944.0	0.23	261.44	2,930.7	-237.2	1.9	237.2	0.42	-0.06	99.46	
3,008.0	0.08	48.10	2,994.7	-237.2	1.8	237.2	0.47	-0.23	229.16	
3,072.0	0.17	156.32	3,058.7	-237.2	1.9	237.2	0.33	0.14	169.09	
3,135.0	0.24	183.32	3,121.7	-237.5	1.9	237.5	0.19	0.11	42.86	
3,230.0	0.32	157.61	3,216.7	-237.9	2.0	237.9	0.15	0.08	-27.06	
3,325.0	0.24	153.84	3,311.7	-238.3	2.2	238.3	0.09	-0.08	-3.97	
3,420.0	0.44	163.09	3,406.7	-238.9	2.4	238.9	0.22	0.21	9.74	
3,483.0	0.14	102.43	3,469.7	-239.1	2.5	239.1	0.62	-0.48	-96.29	
Last SDI MWD Survey										

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well San Juan 27-5 Unit #128N
Project:	SJB (NM Central)	TVD Reference:	GL 6542' & KB 15' @ 6557 0ft (AWS 711)
Site:	SEC 27-T27N-R5W	MD Reference:	GL 6542' & KB 15' @ 6557 0ft (AWS 711)
Well:	San Juan 27-5 Unit #128N	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 2003 21 Single User Db

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
309.0	309.0	3.1	1.0	First SDI MWD Survey
3,483.0	3,469.7	-239.1	2.5	Last SDI MWD Survey

Checked By: _____ Approved By: _____ Date: _____