

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 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

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 7 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

"AS DRILLED PLAT"
WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30773	² Pool Code 71599/72319/82329	³ Pool Name BASIN DAKOTA / BLANCO MESAVERDE / CHACRA
⁴ Property Code 31739	⁵ Property Name SAN JUAN 28-7 UNIT	⁶ Well Number 98P
⁷ OGRID No. 217817	⁸ Operator Name CONOCOPHILLIPS COMPANY	⁹ Elevation 6566

¹⁰ SURFACE LOCATION

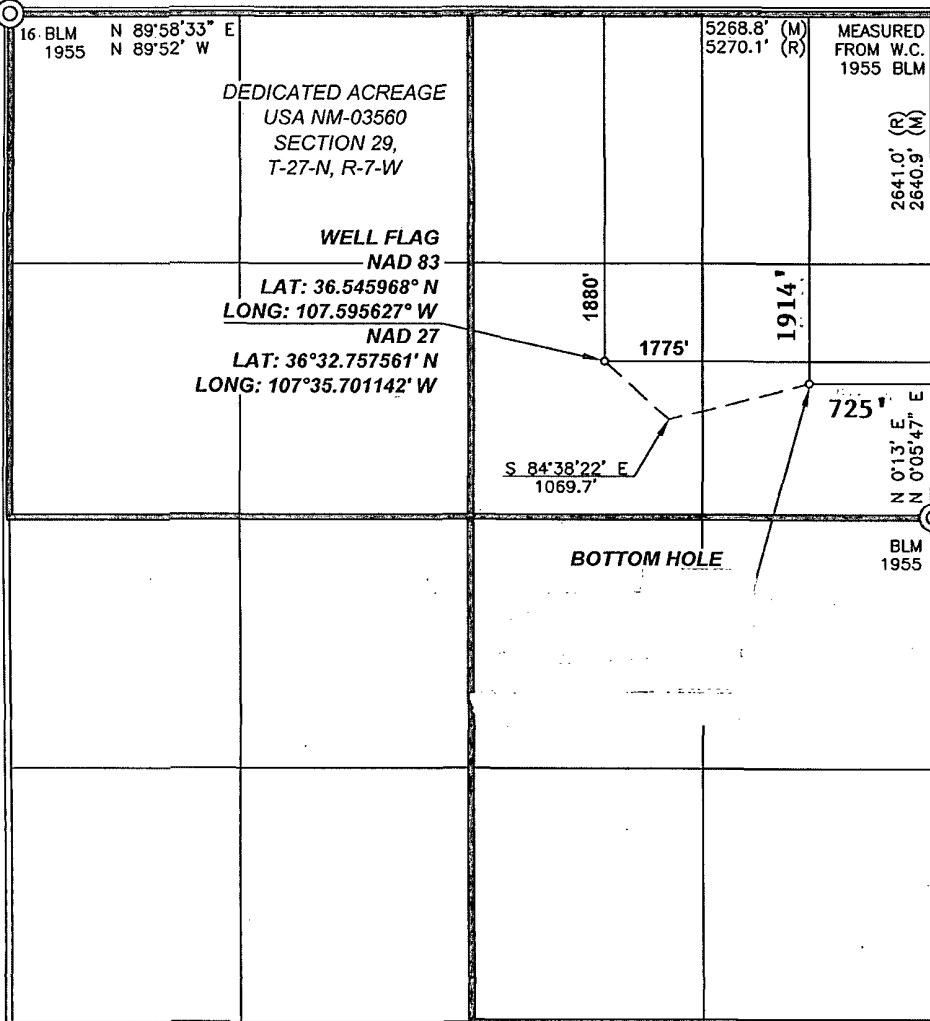
UL or lot no. G	Section 29	Township 27-N	Range 7-W	Lot Idn	Feet from the 1880	North/South line NORTH	Feet from the 1775	East/West line EAST	County RIO ARRIBA
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. H	Section 29	Township 27-N	Range 7-W	Lot Idn	Feet from the 1914	North/South line NORTH	Feet from the 725	East/West line EAST	County RIO ARRIBA
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¹² Dedicated Acres NE/4 160.0 - CH N/2 320.0 - DK E/2 320.0 - MV	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.	RCVD OCT 5 '10 OIL CONS. DIV.
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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 **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 working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Crystal Tafoya 9/30/2010
Signature
Crystal Tafoya
Printed Name
Staff Regulatory Tech
Title and E-mail Address
September 30, 2010
Date

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.

Date of Survey: 2/27/09
Signature and Seal of Professional Surveyor

HENRY P. BROADHURST
NEW MEXICO
REGISTERED PROFESSIONAL SURVEYOR
11393
10/9/09

Certificate Number: NM 11393

Legal WellName : SAN JUAN 28-7 UNIT #98P	API / UWI: 3003930773
Operator: CONOCOPHILLIPS COMPANY	Surf Loc: 029-027N-007W-G
St/Prov: NEW MEXICO	N/S Dist (ft): 1,880.00 - FNL
County: RIO ARRIBA	E/W Dist (ft): 1,775.00 - FEL

RCVD OCT 5 '10
OIL CONS. DIV.
DIST. 3

Wellbore Name : Original Hole					
Description	Date	MD Tie In (ft)	Inclination Tie In (°)	Azimuth Tie In (°)	
INCLINATION SURVEY	07/01/2010	.00	.00	.00	
Date	MD (ft)	Incl (°)	Azm (°)	Method	Survey Company
07/01/2010	133.00	1.00	.00	Inc-WL	MOTE
07/01/2010	233.00	1.00	.00	Inc-WL	MOTE
07/01/2010	327.00	1.00	.00	Inc-WL	MOTE
Description	Date	MD Tie In (ft)	Inclination Tie In (°)	Azimuth Tie In (°)	
DIRECTIONAL SURVEYS	07/05/2010	.00	.00	.00	
Date	MD (ft)	Incl (°)	Azm (°)	Method	Survey Company
07/05/2010	358.00	.85	83.91	Projection	Scientific Drilling
07/05/2010	481.00	4.13	75.36	IncAzi-MWD	Scientific Drilling
07/05/2010	541.00	6.16	75.75	IncAzi-MWD	Scientific Drilling
07/05/2010	603.00	8.34	78.11	IncAzi-MWD	Scientific Drilling
07/05/2010	664.00	10.13	79.28	IncAzi-MWD	Scientific Drilling
07/05/2010	725.00	11.04	86.02	IncAzi-MWD	Scientific Drilling
07/05/2010	787.00	12.29	89.49	IncAzi-MWD	Scientific Drilling
07/05/2010	866.00	13.51	89.71	IncAzi-MWD	Scientific Drilling
07/05/2010	956.00	14.34	95.90	IncAzi-MWD	Scientific Drilling
07/05/2010	1,046.00	13.24	97.79	IncAzi-MWD	Scientific Drilling
07/05/2010	1,136.00	12.81	95.67	IncAzi-MWD	Scientific Drilling
07/06/2010	1,226.00	12.72	95.63	IncAzi-MWD	Scientific Drilling
07/06/2010	1,316.00	13.17	92.85	IncAzi-MWD	Scientific Drilling
07/06/2010	1,406.00	14.00	91.44	IncAzi-MWD	Scientific Drilling
07/06/2010	1,496.00	13.85	96.37	IncAzi-MWD	Scientific Drilling
07/06/2010	1,586.00	15.30	94.44	IncAzi-MWD	Scientific Drilling
07/06/2010	1,676.00	17.87	92.84	IncAzi-MWD	Scientific Drilling
07/06/2010	1,766.00	21.24	90.92	IncAzi-MWD	Scientific Drilling
07/06/2010	1,856.00	22.79	88.74	IncAzi-MWD	Scientific Drilling
07/06/2010	1,946.00	22.97	92.01	IncAzi-MWD	Scientific Drilling
07/06/2010	2,036.00	23.35	91.19	IncAzi-MWD	Scientific Drilling
07/06/2010	2,126.00	24.50	91.42	IncAzi-MWD	Scientific Drilling
07/06/2010	2,216.00	24.10	96.49	IncAzi-MWD	Scientific Drilling
07/06/2010	2,306.00	23.82	97.81	IncAzi-MWD	Scientific Drilling
07/06/2010	2,396.00	21.05	95.47	IncAzi-MWD	Scientific Drilling
07/06/2010	2,486.00	20.06	89.71	IncAzi-MWD	Scientific Drilling

07/06/2010	2,576.00	20.18	88.62	IncAzi-MWD	Scientific Drilling
07/06/2010	2,665.00	19.18	91.11	IncAzi-MWD	Scientific Drilling
07/06/2010	2,755.00	19.23	93.73	IncAzi-MWD	Scientific Drilling
07/06/2010	2,845.00	19.26	91.58	IncAzi-MWD	Scientific Drilling
07/06/2010	2,935.00	18.46	92.80	IncAzi-MWD	Scientific Drilling
07/06/2010	3,025.00	20.26	91.89	IncAzi-MWD	Scientific Drilling
07/06/2010	3,115.00	20.39	90.55	IncAzi-MWD	Scientific Drilling
07/06/2010	3,205.00	19.10	89.46	IncAzi-MWD	Scientific Drilling
07/06/2010	3,295.00	18.35	92.24	IncAzi-MWD	Scientific Drilling
07/06/2010	3,385.00	17.11	92.94	IncAzi-MWD	Scientific Drilling
07/06/2010	3,475.00	16.20	93.98	IncAzi-MWD	Scientific Drilling
07/07/2010	3,565.00	16.46	96.64	IncAzi-MWD	Scientific Drilling
07/07/2010	3,655.00	16.33	96.62	IncAzi-MWD	Scientific Drilling
07/07/2010	3,745.00	16.20	96.46	IncAzi-MWD	Scientific Drilling
07/07/2010	3,790.00	15.71	96.06	IncAzi-MWD	Scientific Drilling
07/08/2010	3,880.00	13.15	92.15	IncAzi-MWD	Scientific Drilling
07/08/2010	3,970.00	10.12	89.40	IncAzi-MWD	Scientific Drilling
07/08/2010	4,060.00	7.49	89.49	IncAzi-MWD	Scientific Drilling
07/08/2010	4,150.00	3.01	88.03	IncAzi-MWD	Scientific Drilling
07/08/2010	4,240.00	1.79	66.71	IncAzi-MWD	Scientific Drilling
07/08/2010	4,330.00	1.11	346.40	IncAzi-MWD	Scientific Drilling
07/08/2010	4,420.00	.98	348.37	IncAzi-MWD	Scientific Drilling
07/08/2010	4,510.00	.91	342.31	IncAzi-MWD	Scientific Drilling
07/08/2010	4,600.00	.70	334.92	IncAzi-MWD	Scientific Drilling
07/08/2010	4,690.00	.51	325.96	IncAzi-MWD	Scientific Drilling
07/08/2010	4,779.00	.32	336.53	IncAzi-MWD	Scientific Drilling
07/08/2010	4,869.00	.20	227.43	IncAzi-MWD	Scientific Drilling
07/08/2010	4,942.00	.20	227.43	Projection	Scientific Drilling

Description	Date	MD Tie In (ft)	Inclination Tie In (°)	Azimuth Tie In (°)
FINAL BH SURVEY	07/16/2010	.00	.00	.00

Date	MD (ft)	Incl (°)	Azm (°)	Method	Survey Company
07/16/2010	7,580.00	1.75	.00	Inc-WL	PHOENIX

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 October 1, 2010

[Signature: Crystal L. Tapaya]

Notary Public in and for San Juan County, New Mexico

My Commission expires 10/12/2014

RCVD OCT 5 '10
OIL CONS. DIV.
DIST. 3

ConocoPhillips

SJB (NM Central)

SEC 29-T27N-R7W

SJ 28-7 #98P

3003930773

Original Hole

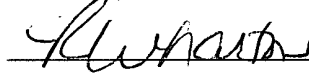
API # 30.039.30773

Survey: Actual

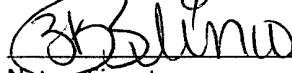
Standard Survey Report

13 July, 2010

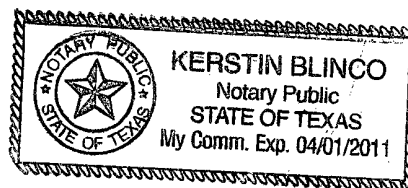
This survey is correct to the best of my knowledge and is supported by actual field data.

_____

Notorized this date 14 of July, 2010.

_____

Notary Signature
County of Midland
State of Texas

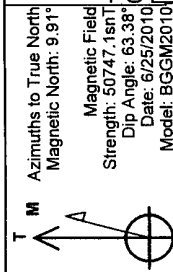




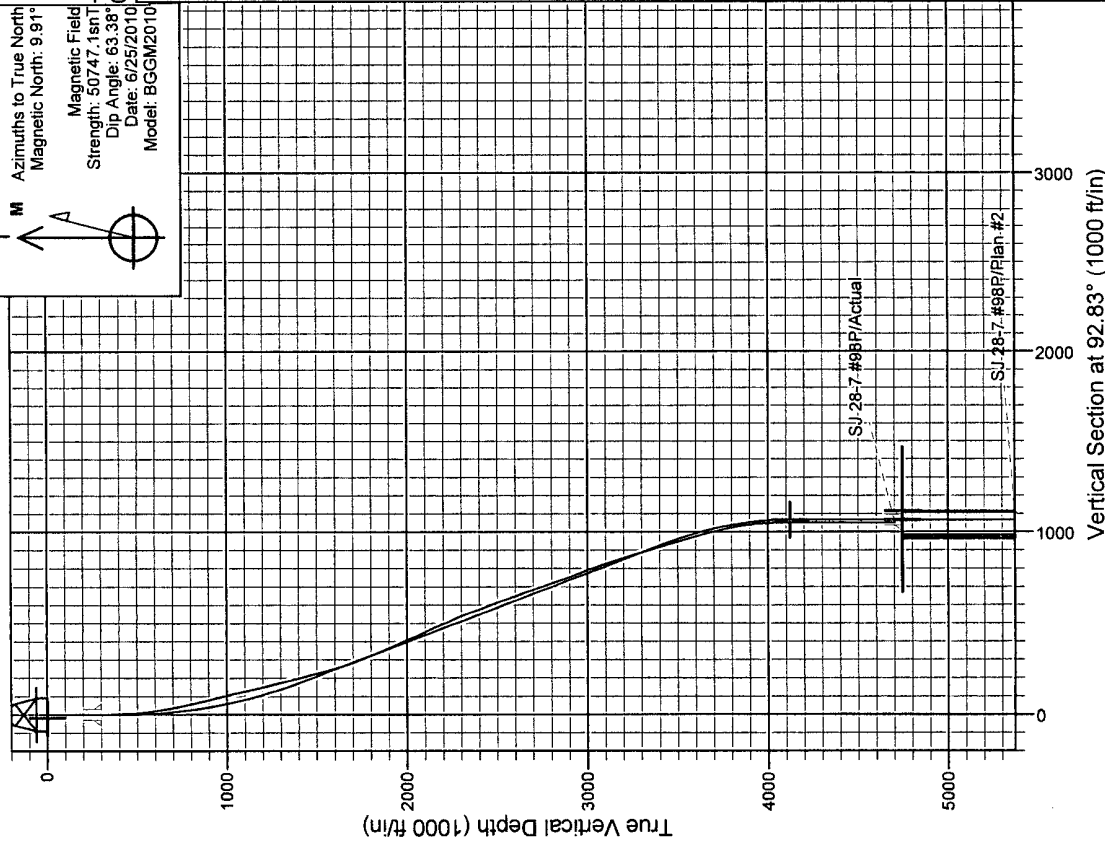
Scientific Drilling
Directional Drilling Operations

Project: SJB (NIM Central)
SEC 29-T27N-R7W
Well: SJ 28-7 #98P
Wellbore: Original Hole
Design: Plan #2
Site:

ConocoPhillips

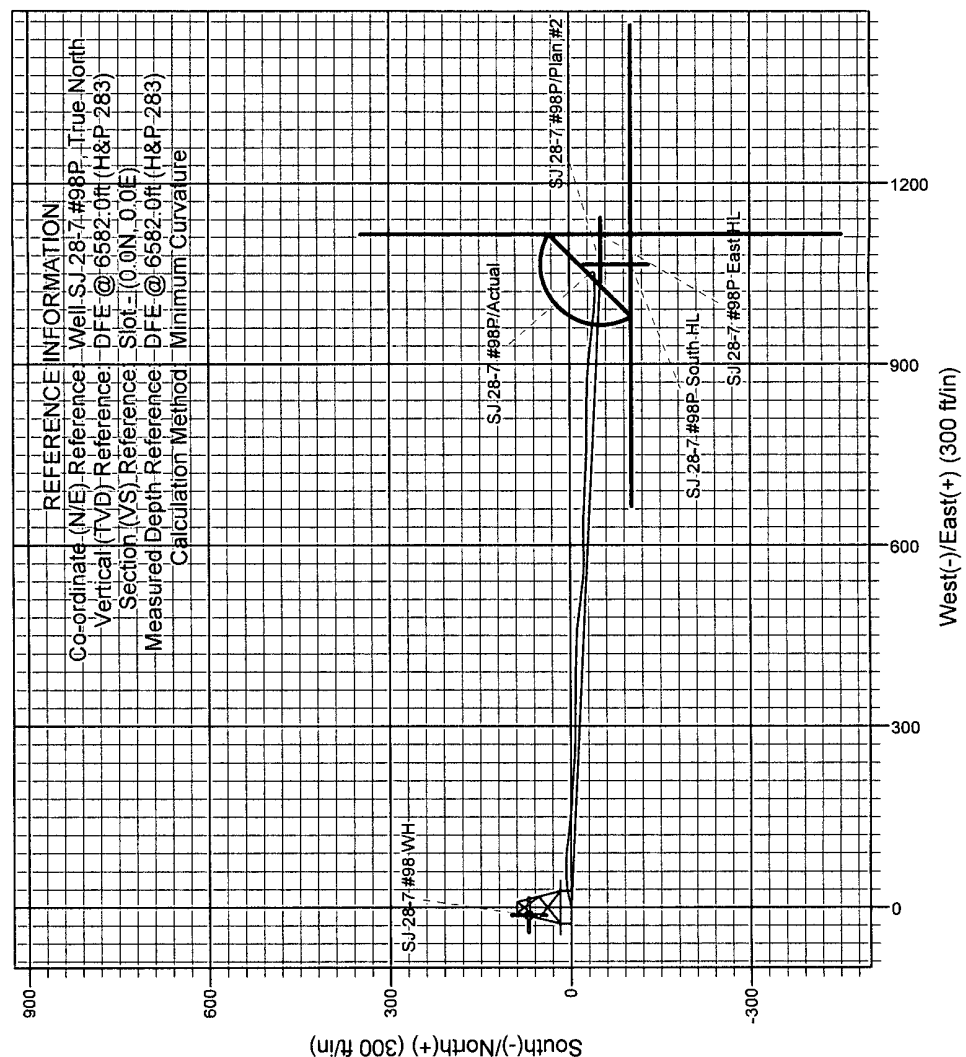


Azimuths to True North
Magnetic North: 9.91°
Magnetic Field
Strength: 50747.1snT
Dip Angle: 63.38°
Date: 6/25/2010
Model: BGGM2010



WELL DETAILS: SJ 28-7 #98P
DFE @ 6582.0ft (H&P 283)
Ground Level: 6566.0
Easting: 104907.00
Northing: 2020705.99
Latitude: 36° 32' 45.454 N
Longitude: 107° 35' 42.069 W

REFERENCE INFORMATION
Co-ordinate (N/E) Reference: Well SJ 28-7 #98P, True North
Vertical (TVD) Reference: DFE @ 6582.0ft (H&P 283)
Section (VS) Reference: Slot = (0.0N, 0.0E)
Measured Depth Reference: DFE @ 6582.0ft (H&P 283)
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 (NIM 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 29-T27N-R7W
Rio Arriba County NM
Site Centre Latitude: 36° 32' 45.454 N
Longitude: 107° 35' 42.069 W
Positional Uncertainty: 0.0
Convergence: -0.80
Local North: True

Scientific Drilling International, Inc.
Survey Report

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well SJ 28-7 #98P
Project:	SJB (NM Central)	TVD Reference:	DFE @ 6582.0ft (H&P 283)
Site:	SEC 29-T27N-R7W	MD Reference:	DFE @ 6582.0ft (H&P 283)
Well:	SJ 28-7 #98P	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 29-T27N-R7W		
Site Position:		Northing:	2,020,705.99 ft
From:	Lat/Long	Easting:	104,907.00 ft
Position Uncertainty:	0.0 ft	Slot Radius:	6-1/8"
		Latitude:	36° 32' 45.454 N
		Longitude:	107° 35' 42.069 W
		Grid Convergence:	-0.80 °

Well	SJ 28-7 #98P, S-Type MV/DK Well		
Well Position	+N/-S	0.0 ft	Northing: 2,020,705.99 ft
	+E/-W	0.0 ft	Easting: 104,907.00 ft
Position Uncertainty	3.5 ft	Wellhead Elevation:	ft
		Latitude:	36° 32' 45.454 N
		Longitude:	107° 35' 42.069 W
		Ground Level:	6,566.0 ft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2010	6/25/2010	9.91	63.38	50,747

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	91.88

Survey Program	Date	7/13/2010		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
358.0	4,869.0	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
358.0	0.85	83.91	358.0	0.3	2.6	2.6	0.24	0.24	0.00
420.0	2.04	82.64	420.0	0.5	4.2	4.2	1.92	1.92	-2.05
481.0	4.13	75.36	480.9	1.2	7.4	7.4	3.48	3.43	-11.93
541.0	6.16	75.75	540.6	2.5	12.6	12.5	3.38	3.38	0.65
603.0	8.34	78.11	602.1	4.3	20.2	20.1	3.55	3.52	3.81
664.0	10.13	79.28	662.3	6.2	29.8	29.6	2.95	2.93	1.92
725.0	11.04	86.02	722.3	7.6	40.9	40.7	2.52	1.49	11.05
787.0	12.29	89.49	783.0	8.0	53.5	53.2	2.31	2.02	5.60
866.0	13.51	89.71	860.0	8.2	71.1	70.8	1.55	1.54	0.28
956.0	14.34	95.90	947.4	7.1	92.7	92.4	1.89	0.92	6.88
1,046.0	13.24	97.79	1,034.8	4.5	114.0	113.8	1.32	-1.22	2.10
1,136.0	12.81	95.67	1,122.5	2.1	134.1	134.0	0.71	-0.48	-2.36

Scientific Drilling International, Inc.

Survey Report

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well SJ 28-7 #98P
Project:	SJB (NM Central)	TVD Reference:	DFE @ 6582.0ft (H&P 283)
Site:	SEC 29-T27N-R7W	MD Reference:	DFE @ 6582.0ft (H&P 283)
Well:	SJ 28-7 #98P	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)
1,226.0	12.72	95.63	1,210.2	0.2	153.9	153.8	0.10	-0.10	-0.04
1,316.0	13.17	92.85	1,298.0	-1.3	174.0	174.0	0.85	0.50	-3.09
1,406.0	14.00	91.44	1,385.4	-2.1	195.1	195.1	0.99	0.92	-1.57
1,496.0	13.85	96.37	1,472.8	-3.6	216.7	216.7	1.33	-0.17	5.48
1,586.0	15.30	94.44	1,559.9	-5.7	239.3	239.3	1.70	1.61	-2.14
1,676.0	17.87	92.84	1,646.2	-7.3	264.9	265.0	2.90	2.86	-1.78
1,766.0	21.24	90.92	1,731.0	-8.2	295.0	295.1	3.81	3.74	-2.13
1,856.0	22.79	88.74	1,814.4	-8.1	328.7	328.8	1.95	1.72	-2.42
1,946.0	22.97	92.01	1,897.3	-8.3	363.7	363.8	1.43	0.20	3.63
2,036.0	23.35	91.19	1,980.1	-9.3	399.1	399.2	0.55	0.42	-0.91
2,126.0	24.50	91.42	2,062.3	-10.1	435.6	435.7	1.28	1.28	0.26
2,216.0	24.10	96.49	2,144.4	-12.7	472.5	472.7	2.36	-0.44	5.63
2,306.0	23.82	97.81	2,226.6	-17.2	508.8	509.1	0.67	-0.31	1.47
2,396.0	21.05	95.47	2,309.8	-21.2	542.9	543.3	3.23	-3.08	-2.60
2,486.0	20.06	89.71	2,394.1	-22.7	574.4	574.8	2.50	-1.10	-6.40
2,576.0	20.18	88.62	2,478.6	-22.3	605.4	605.8	0.44	0.13	-1.21
2,665.0	19.18	91.11	2,562.4	-22.2	635.3	635.7	1.47	-1.12	2.80
2,755.0	19.23	93.73	2,647.4	-23.4	664.9	665.3	0.96	0.06	2.91
2,845.0	19.26	91.58	2,732.3	-24.8	694.5	695.0	0.79	0.03	-2.39
2,935.0	18.46	92.80	2,817.5	-25.9	723.6	724.0	0.99	-0.89	1.36
3,025.0	20.26	91.89	2,902.4	-27.1	753.4	753.9	2.03	2.00	-1.01
3,115.0	20.39	90.55	2,986.8	-27.8	784.6	785.1	0.54	0.14	-1.49
3,205.0	19.10	89.46	3,071.5	-27.8	815.1	815.5	1.49	-1.43	-1.21
3,295.0	18.35	92.24	3,156.8	-28.2	843.9	844.4	1.30	-0.83	3.09
3,385.0	17.11	92.94	3,242.5	-29.4	871.3	871.8	1.40	-1.38	0.78
3,475.0	16.20	93.98	3,328.7	-31.0	897.1	897.6	1.06	-1.01	1.16
3,565.0	16.46	96.64	3,415.1	-33.3	922.2	922.8	0.88	0.29	2.96
3,655.0	16.33	96.62	3,501.4	-36.3	947.5	948.2	0.14	-0.14	-0.02
3,745.0	16.20	96.46	3,587.8	-39.1	972.5	973.3	0.15	-0.14	-0.18
3,790.0	15.71	96.06	3,631.1	-40.5	984.8	985.6	1.12	-1.09	-0.89
3,880.0	13.15	92.15	3,718.2	-42.2	1,007.2	1,008.0	3.04	-2.84	-4.34
3,970.0	10.12	89.40	3,806.4	-42.5	1,025.3	1,026.2	3.42	-3.37	-3.06
4,060.0	7.49	89.49	3,895.3	-42.3	1,039.1	1,039.9	2.92	-2.92	0.10
4,150.0	3.01	88.03	3,984.9	-42.2	1,047.3	1,048.1	4.98	-4.98	-1.62
4,240.0	1.79	66.71	4,074.8	-41.6	1,051.0	1,051.8	1.66	-1.36	-23.69
4,330.0	1.11	346.40	4,164.8	-40.1	1,052.1	1,052.8	2.16	-0.76	-89.23
4,420.0	0.98	348.37	4,254.8	-38.5	1,051.7	1,052.4	0.15	-0.14	2.19
4,510.0	0.91	342.31	4,344.8	-37.1	1,051.3	1,052.0	0.14	-0.08	-6.73
4,600.0	0.70	334.92	4,434.8	-35.9	1,050.9	1,051.5	0.26	-0.23	-8.21
4,690.0	0.51	325.96	4,524.8	-35.1	1,050.4	1,051.0	0.24	-0.21	-9.96
4,779.0	0.32	336.53	4,613.8	-34.5	1,050.1	1,050.7	0.23	-0.21	11.88
4,869.0	0.20	227.43	4,703.8	-34.4	1,049.9	1,050.4	0.48	-0.13	-121.22