

DISTRICT I
1825 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 W. Grand Avenue, Artesia, N.M. 88210

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

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

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

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

"as drilled plat"

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-30849		*Pool Code 71599 / 72319		*Pool Name BASIN DAKOTA/BLANCO MESAVERDE	
*Property Code 31739		*Property Name SAN JUAN 28-7 UNIT			*Well Number 236 P
*OGRID No. 217817		*Operator Name CONOCOPHILLIPS COMPANY			*Elevation 6189'

¹⁰ Surface Location

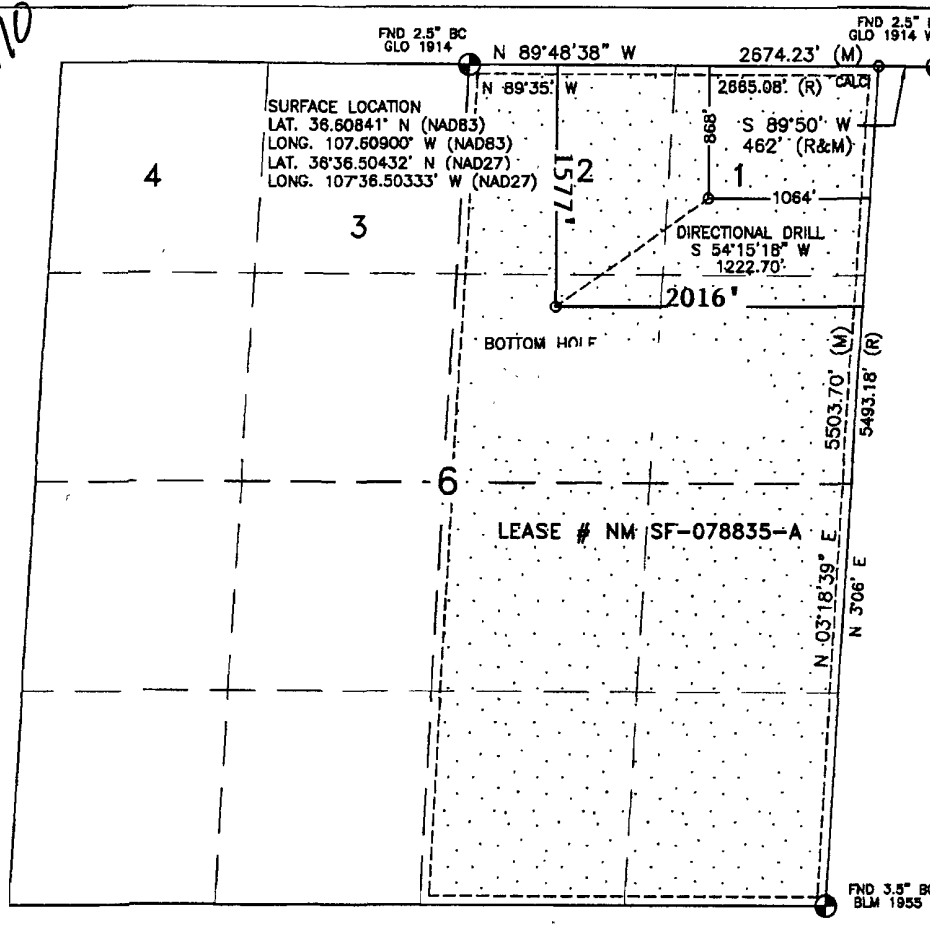
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	6	27N	7W	1	868'	NORTH	1064'	EAST	RIO ARRIBA

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
G	6	27N	7W		1577'	NORTH	2016'	EAST	RIO ARRIBA

¹² Dedicated Acres 320.60 Acres - (E/2)		¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. RCVD JUN 3 '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 or a compulsory pooling order heretofore entered by the division.

Tamra Sessions 6/2/10
Signature Date

Tamra Sessions
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.

SEPTEMBER 5, 2008

Date of Survey
Signature and Seal of Professional Surveyor:

David Russell
DAVID RUSSELL
NEW MEXICO
PROFESSIONAL LAND SURVEYOR

DAVID RUSSELL
Certificate Number 10201

COP Deviation Report

SAN JUAN 28-7 UNIT #236P

Operator CONOCOPHILLIPS COMPANY	Legal WellName SAN JUAN 28-7 UNIT #236P	API / UWI 3003930849	County RIO ARRIBA	State/Province NEW MEXICO
Surface Legal Location 006-027N-007W-A	N/S Dist (ft) 868.00	N/S Ref FNL	E/W Dist (ft) 1,064.00	E/W Ref FEL

Survey Data				
Date	MD (ftKB)	Incl (°)	Method	Survey Company
4/6/2010	0.00	0.00	IncAzi-MWD	Scientific Drilling
4/6/2010	326.00	0.33	IncAzi-MWD	Scientific Drilling
4/6/2010	357.00	0.51	IncAzi-MWD	Scientific Drilling
4/6/2010	388.00	1.10	IncAzi-MWD	Scientific Drilling
4/6/2010	419.00	1.59	IncAzi-MWD	Scientific Drilling
4/6/2010	450.00	1.90	IncAzi-MWD	Scientific Drilling
4/6/2010	481.00	2.38	IncAzi-MWD	Scientific Drilling
4/6/2010	511.00	3.01	IncAzi-MWD	Scientific Drilling
4/6/2010	542.00	3.59	IncAzi-MWD	Scientific Drilling
4/6/2010	572.00	4.24	IncAzi-MWD	Scientific Drilling
4/6/2010	603.00	4.63	IncAzi-MWD	Scientific Drilling
4/6/2010	634.00	5.26	IncAzi-MWD	Scientific Drilling
4/6/2010	664.00	5.71	IncAzi-MWD	Scientific Drilling
4/6/2010	695.00	6.53	IncAzi-MWD	Scientific Drilling
4/6/2010	726.00	7.32	IncAzi-MWD	Scientific Drilling
4/6/2010	756.00	8.15	IncAzi-MWD	Scientific Drilling
4/6/2010	787.00	8.98	IncAzi-MWD	Scientific Drilling
4/6/2010	818.00	9.67	IncAzi-MWD	Scientific Drilling
4/6/2010	867.00	10.44	IncAzi-MWD	Scientific Drilling
4/6/2010	912.00	11.23	IncAzi-MWD	Scientific Drilling
4/6/2010	957.00	12.14	IncAzi-MWD	Scientific Drilling
4/6/2010	1,002.00	13.11	IncAzi-MWD	Scientific Drilling
4/6/2010	1,047.00	13.75	IncAzi-MWD	Scientific Drilling
4/6/2010	1,092.00	14.66	IncAzi-MWD	Scientific Drilling
4/6/2010	1,137.00	15.58	IncAzi-MWD	Scientific Drilling
4/6/2010	1,182.00	16.89	IncAzi-MWD	Scientific Drilling
4/6/2010	1,227.00	18.02	IncAzi-MWD	Scientific Drilling
4/6/2010	1,272.00	19.07	IncAzi-MWD	Scientific Drilling
4/6/2010	1,317.00	20.31	IncAzi-MWD	Scientific Drilling
4/6/2010	1,362.00	21.41	IncAzi-MWD	Scientific Drilling
4/6/2010	1,407.00	22.38	IncAzi-MWD	Scientific Drilling
4/6/2010	1,452.00	23.24	IncAzi-MWD	Scientific Drilling
4/6/2010	1,497.00	24.35	IncAzi-MWD	Scientific Drilling
4/6/2010	1,542.00	25.49	IncAzi-MWD	Scientific Drilling
4/6/2010	1,632.00	25.67	IncAzi-MWD	Scientific Drilling
4/6/2010	1,722.00	26.60	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 28-7 UNIT #236P

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
4/6/2010	1,812.00	27.77	IncAzi-MWD	Scientific Drilling
4/6/2010	1,902.00	28.79	IncAzi-MWD	Scientific Drilling
4/6/2010	1,992.00	29.49	IncAzi-MWD	Scientific Drilling
4/6/2010	2,082.00	29.56	IncAzi-MWD	Scientific Drilling
4/6/2010	2,172.00	30.05	IncAzi-MWD	Scientific Drilling
4/6/2010	2,262.00	29.70	IncAzi-MWD	Scientific Drilling
4/7/2010	2,352.00	29.35	IncAzi-MWD	Scientific Drilling
4/7/2010	2,442.00	28.09	IncAzi-MWD	Scientific Drilling
4/7/2010	2,532.00	25.52	IncAzi-MWD	Scientific Drilling
4/7/2010	2,621.00	23.59	IncAzi-MWD	Scientific Drilling
4/7/2010	2,711.00	21.77	IncAzi-MWD	Scientific Drilling
4/7/2010	2,801.00	21.02	IncAzi-MWD	Scientific Drilling
4/7/2010	2,891.00	21.76	IncAzi-MWD	Scientific Drilling
4/7/2010	2,981.00	22.06	IncAzi-MWD	Scientific Drilling
4/7/2010	3,071.00	21.21	IncAzi-MWD	Scientific Drilling
4/7/2010	3,161.00	19.43	IncAzi-MWD	Scientific Drilling
4/7/2010	3,251.00	17.11	IncAzi-MWD	Scientific Drilling
4/7/2010	3,341.00	15.64	IncAzi-MWD	Scientific Drilling
4/7/2010	3,431.00	14.51	IncAzi-MWD	Scientific Drilling
4/7/2010	3,521.00	14.46	IncAzi-MWD	Scientific Drilling
4/7/2010	3,611.00	14.40	IncAzi-MWD	Scientific Drilling
4/7/2010	3,701.00	15.28	IncAzi-MWD	Scientific Drilling
4/7/2010	3,791.00	14.04	IncAzi-MWD	Scientific Drilling
4/7/2010	3,881.00	12.53	IncAzi-MWD	Scientific Drilling
4/7/2010	3,971.00	9.46	IncAzi-MWD	Scientific Drilling
4/7/2010	4,061.00	7.64	IncAzi-MWD	Scientific Drilling
4/7/2010	4,151.00	5.48	IncAzi-MWD	Scientific Drilling
4/8/2010	4,241.00	4.01	IncAzi-MWD	Scientific Drilling
4/8/2010	4,263.00	3.24	IncAzi-MWD	Scientific Drilling
4/8/2010	4,319.00	1.28	Projection	Scientific Drilling
4/16/2010	7,344.00	1.00	Inc-WL	PHOENIX

RCVD JUN 3 '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.

Subscribed and sworn to me this 6/2/10

Tanna D. Session

Notary Public in and for San Juan County, New Mexico

My Commission expires 2/8/12

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

ConocoPhillips

SJB (NM Central)
SEC 06-T27N-R7W
SJ 28-7 #236P
WAN.CDR.8309
Original Hole

Survey: Actual

Standard Survey Report

20 April, 2010

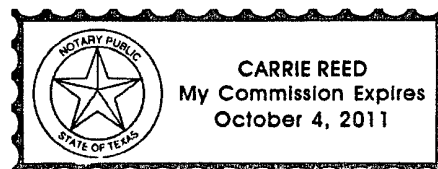
This survey is correct to the best of my knowledge and is supported by actual field data.

Robert

Notorized this date 20th of April, 2010.

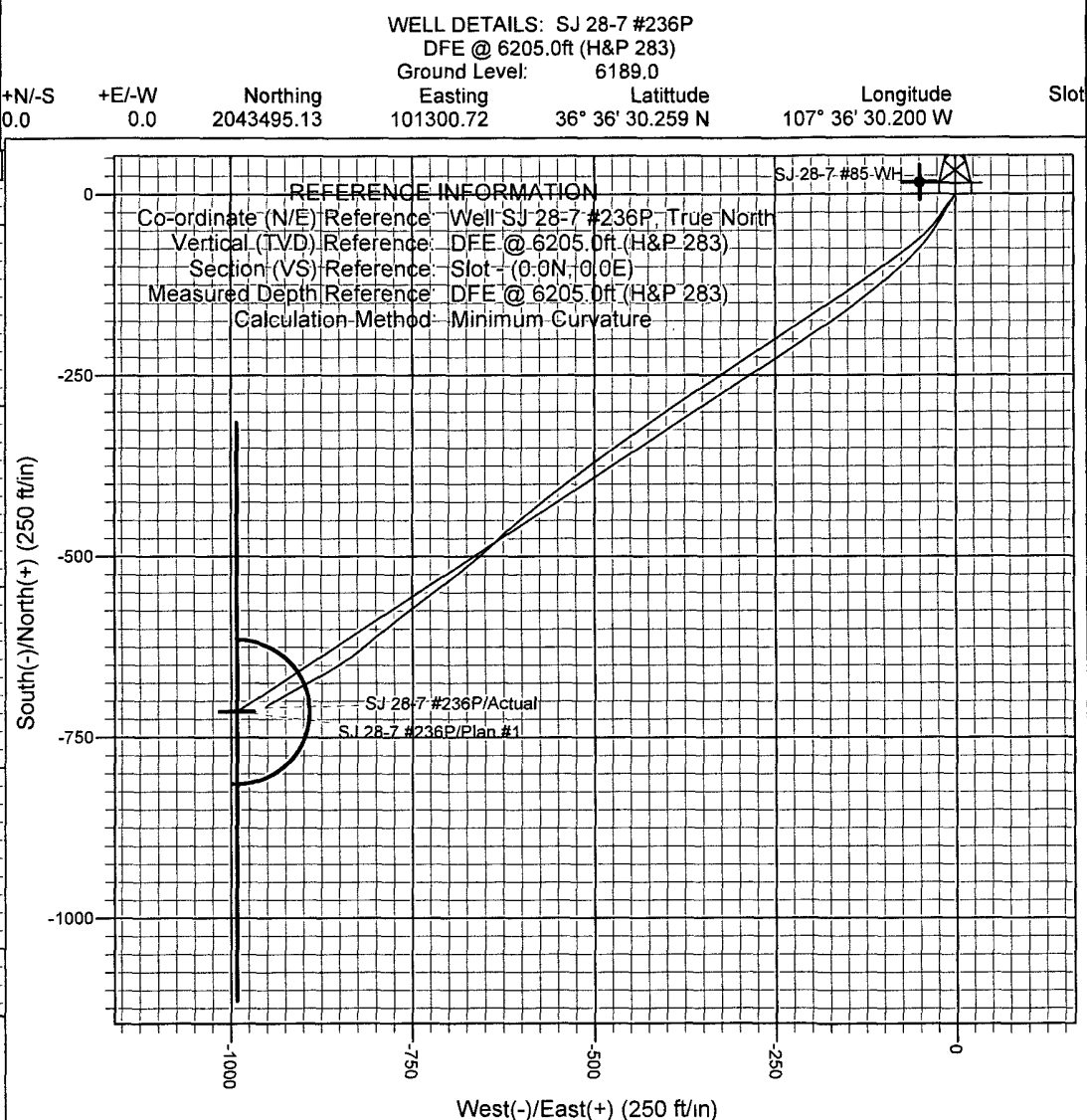
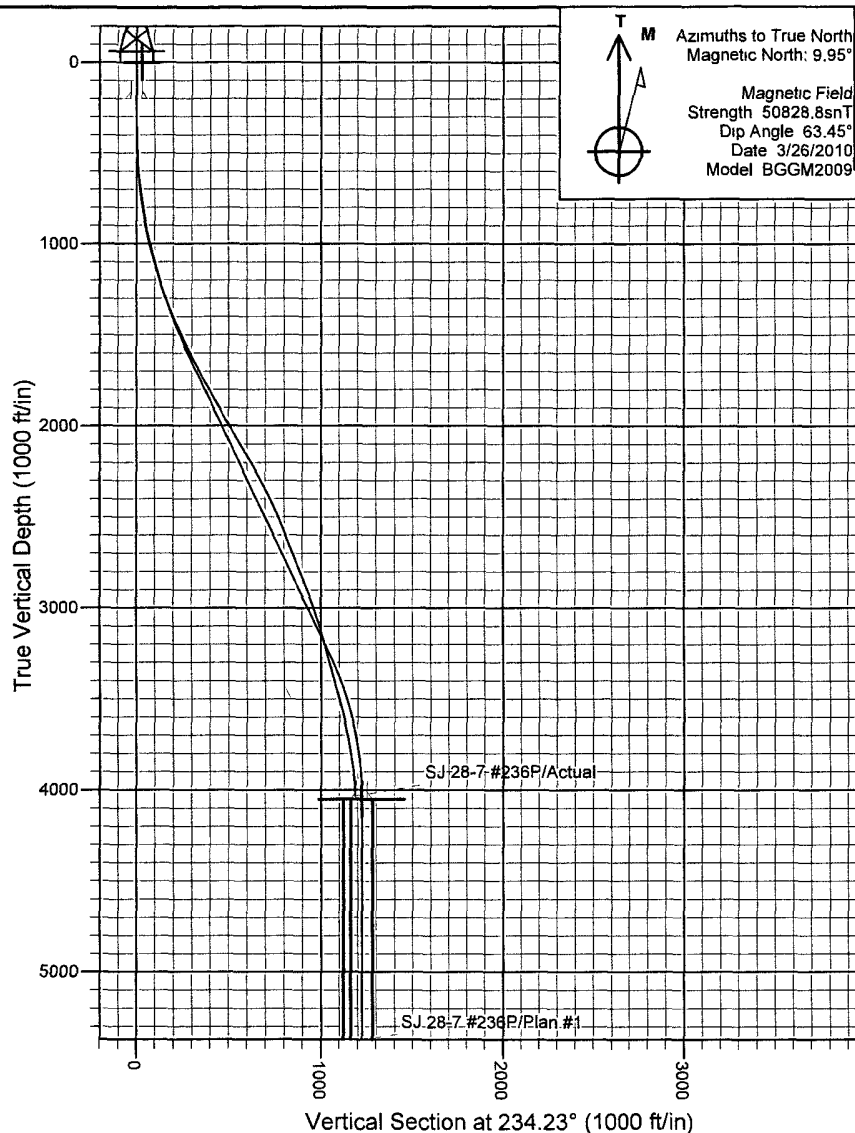
Carrie Reed

Notary Signature
County of Midland
State of Texas





Project: SJB (NM Central)
SEC 06-T27N-R7W
Well: SJ 28-7 #236P
Wellbore: Original Hole
Design: Plan #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 06-T27N-R7W
Rio Arriba County NM
Site Centre Latitude: 36° 36' 30.259 N
Longitude: 107° 36' 30.200 W
Positional Uncertainty: 0.0
Convergence: -0.81
Local North: True

Scientific Drilling International, Inc.
Survey Report

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well SJ 28-7 #236P
Project:	SJB (NM Central)	TVD Reference:	DFE @ 6205.0ft (H&P 283)
Site:	SEC 06-T27N-R7W	MD Reference:	DFE @ 6205.0ft (H&P 283)
Well:	SJ 28-7 #236P	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 06-T27N-R7W			
Site Position:		Northing:	2,043,495.13 ft	Latitude:	36° 36' 30.259 N
From:	Lat/Long	Easting:	101,300.72 ft	Longitude:	107° 36' 30.200 W
Position Uncertainty:	0.0 ft	Slot Radius:	6-1/8"	Grid Convergence:	-0.81 °

Well	SJ 28-7 #236P, S-Type MV/DK Well					
Well Position	+N/-S	0 0 ft	Northing:	2,043,495 13 ft	Latitude:	36° 36' 30.259 N
	+E/-W	0 0 ft	Easting:	101,300 72 ft	Longitude:	107° 36' 30 200 W
Position Uncertainty		3 5 ft	Wellhead Elevation:	ft	Ground Level:	6,189.0 ft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2009	3/26/2010	9.95	63.45	50,829

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	233.34

Survey Program	Date	4/20/2010			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
326.0	4,263.0	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
326.0	0.33	222.80	326.0	-0.7	-0.6	0.9	0.10	0.10	0.00
357.0	0.51	224.88	357.0	-0.9	-0.8	1.1	0.58	0.58	6.71
388.0	1.10	226.30	388.0	-1.2	-1.1	1.6	1.90	1.90	4.58
419.0	1.59	215.42	419.0	-1.7	-1.6	2.3	1.78	1.58	-35.10
450.0	1.90	209.47	450.0	-2.5	-2.1	3.2	1.16	1.00	-19.19
481.0	2.38	211.96	480.9	-3.5	-2.7	4.2	1.58	1.55	8.03
511.0	3.01	212.51	510.9	-4.7	-3.4	5.5	2.10	2.10	1.83
542.0	3.59	211.73	541.9	-6.2	-4.4	7.2	1.88	1.87	-2.52
572.0	4.24	212.72	571.8	-7.9	-5.5	9.1	2.18	2.17	3.30
603.0	4.63	215.24	602.7	-9.9	-6.8	11.4	1.41	1.26	8.13
634.0	5.26	214.24	633.6	-12.1	-8.3	13.9	2.05	2.03	-3.23
664.0	5.71	214.71	663.4	-14.5	-9.9	16.6	1.51	1.50	1.57

Scientific Drilling International, Inc.

Survey Report

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well SJ 28-7 #236P
Project:	SJB (NM Central)	TVD Reference:	DFE @ 6205.0ft (H&P 283)
Site:	SEC 06-T27N-R7W	MD Reference:	DFE @ 6205.0ft (H&P 283)
Well:	SJ 28-7 #236P	North Reference:	True
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	edmCOP

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)
695.0	6.53	214.44	694.3	-17.2	-11.8	19.8	2.65	2.65	-0.87
726.0	7.32	213.43	725.0	-20.3	-13.9	23.3	2.58	2.55	-3.26
756.0	8.15	212.71	754.8	-23.7	-16.1	27.1	2.79	2.77	-2.40
787.0	8.98	212.69	785.4	-27.6	-18.6	31.4	2.68	2.68	-0.06
818.0	9.67	213.54	816.0	-31.8	-21.4	36.1	2.27	2.23	2.74
867.0	10.44	219.19	864.3	-38.7	-26.4	44.3	2.55	1.57	11.53
912.0	11.23	223.08	908.5	-45.0	-32.0	52.5	2.39	1.76	8.64
957.0	12.14	226.03	952.5	-51.5	-38.4	61.6	2.42	2.02	6.56
1,002.0	13.11	228.18	996.4	-58.2	-45.6	71.3	2.39	2.16	4.78
1,047.0	13.75	231.05	1,040.2	-65.0	-53.6	81.8	2.05	1.42	6.38
1,092.0	14.66	232.76	1,083.8	-71.8	-62.3	92.8	2.23	2.02	3.80
1,137.0	15.58	234.08	1,127.3	-78.8	-71.7	104.5	2.18	2.04	2.93
1,182.0	16.89	234.78	1,170.5	-86.1	-81.9	117.1	2.94	2.91	1.56
1,227.0	18.02	233.80	1,213.4	-94.0	-92.9	130.6	2.59	2.51	-2.18
1,272.0	19.07	233.42	1,256.1	-102.4	-104.4	144.9	2.35	2.33	-0.84
1,317.0	20.31	234.52	1,298.4	-111.4	-116.7	160.1	2.88	2.76	2.44
1,362.0	21.41	235.44	1,340.5	-120.6	-129.8	176.1	2.55	2.44	2.04
1,407.0	22.38	236.35	1,382.2	-130.0	-143.7	192.9	2.28	2.16	2.02
1,452.0	23.24	237.04	1,423.7	-139.5	-158.3	210.3	2.00	1.91	1.53
1,497.0	24.35	237.04	1,464.9	-149.4	-173.5	228.4	2.47	2.47	0.00
1,542.0	25.49	236.82	1,505.7	-159.8	-189.4	247.3	2.54	2.53	-0.49
1,632.0	25.67	236.21	1,586.9	-181.2	-221.8	286.1	0.35	0.20	-0.68
1,722.0	26.60	236.75	1,667.7	-203.1	-254.8	325.7	1.07	1.03	0.60
1,812.0	27.77	236.44	1,747.7	-225.7	-289.2	366.7	1.31	1.30	-0.34
1,902.0	28.79	236.61	1,827.0	-249.2	-324.7	409.3	1.14	1.13	0.19
1,992.0	29.49	236.60	1,905.6	-273.4	-361.3	453.1	0.78	0.78	-0.01
2,082.0	29.56	235.50	1,983.9	-298.1	-398.1	497.4	0.61	0.08	-1.22
2,172.0	30.05	235.15	2,062.0	-323.6	-434.9	542.1	0.58	0.54	-0.39
2,262.0	29.70	234.40	2,140.1	-349.4	-471.5	586.9	0.57	-0.39	-0.83
2,352.0	29.35	233.15	2,218.4	-375.6	-507.3	631.2	0.79	-0.39	-1.39
2,442.0	28.09	232.86	2,297.3	-401.7	-541.8	674.5	1.41	-1.40	-0.32
2,532.0	25.52	231.47	2,377.6	-426.5	-573.9	715.1	2.94	-2.86	-1.54
2,621.0	23.59	229.22	2,458.6	-450.1	-602.4	752.0	2.41	-2.17	-2.53
2,711.0	21.77	226.76	2,541.6	-473.3	-628.2	786.5	2.28	-2.02	-2.73
2,801.0	21.02	229.18	2,625.4	-495.3	-652.6	819.2	1.29	-0.83	2.69
2,891.0	21.76	230.73	2,709.2	-516.4	-677.7	852.0	1.03	0.82	1.72
2,981.0	22.06	232.10	2,792.7	-537.4	-704.0	885.5	0.66	0.33	1.52
3,071.0	21.21	234.56	2,876.4	-557.2	-730.6	918.7	1.38	-0.94	2.73
3,161.0	19.43	232.29	2,960.8	-575.8	-755.7	950.0	2.16	-1.98	-2.52
3,251.0	17.11	230.01	3,046.2	-593.4	-777.7	978.2	2.70	-2.58	-2.53
3,341.0	15.64	231.74	3,132.6	-609.5	-797.3	1,003.5	1.72	-1.63	1.92
3,431.0	14.51	229.87	3,219.5	-624.2	-815.5	1,026.9	1.37	-1.26	-2.08
3,521.0	14.46	234.56	3,306.6	-638.0	-833.2	1,049.4	1.30	-0.06	5.21
3,611.0	14.40	238.84	3,393.8	-650.3	-852.0	1,071.7	1.19	-0.07	4.76
3,701.0	15.28	240.13	3,480.8	-662.0	-871.8	1,094.7	1.04	0.98	1.43
3,791.0	14.04	240.70	3,567.8	-673.3	-891.6	1,117.3	1.39	-1.38	0.63
3,881.0	12.53	242.09	3,655.4	-683.2	-909.8	1,137.7	1.71	-1.68	1.54
3,971.0	9.46	240.26	3,743.8	-691.4	-924.8	1,154.7	3.43	-3.41	-2.03
4,061.0	7.64	240.55	3,832.8	-698.0	-936.5	1,168.0	2.02	-2.02	0.32
4,151.0	5.48	237.92	3,922.2	-703.3	-945.3	1,178.2	2.42	-2.40	-2.92
4,241.0	4.01	225.17	4,011.9	-707.8	-951.2	1,185.6	2.00	-1.63	-14.17
4,263.0	3.24	226.20	4,033.8	-708.7	-952.2	1,187.0	3.51	-3.50	4.68