

DISTRICT I
1025 N. French Dr., Hobbs, N.M. 88240

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

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 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 - 4 Copies
Fee Lease - 3 Copies

"AS DRILLED PLAT"

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-35084	² Pool Code 71599 / 72319	³ Pool Name BASIN DAKOTA/BLANCO MESAVERDE
⁴ Property Code 31330	⁵ Property Name SAN JUAN 32 - 8 UNIT	⁶ Well Number 21C
⁷ GRID No. 217817	⁸ Operator Name CONOCOPHILLIPS COMPANY	⁹ Elevation 6518'

¹⁰ Surface Location

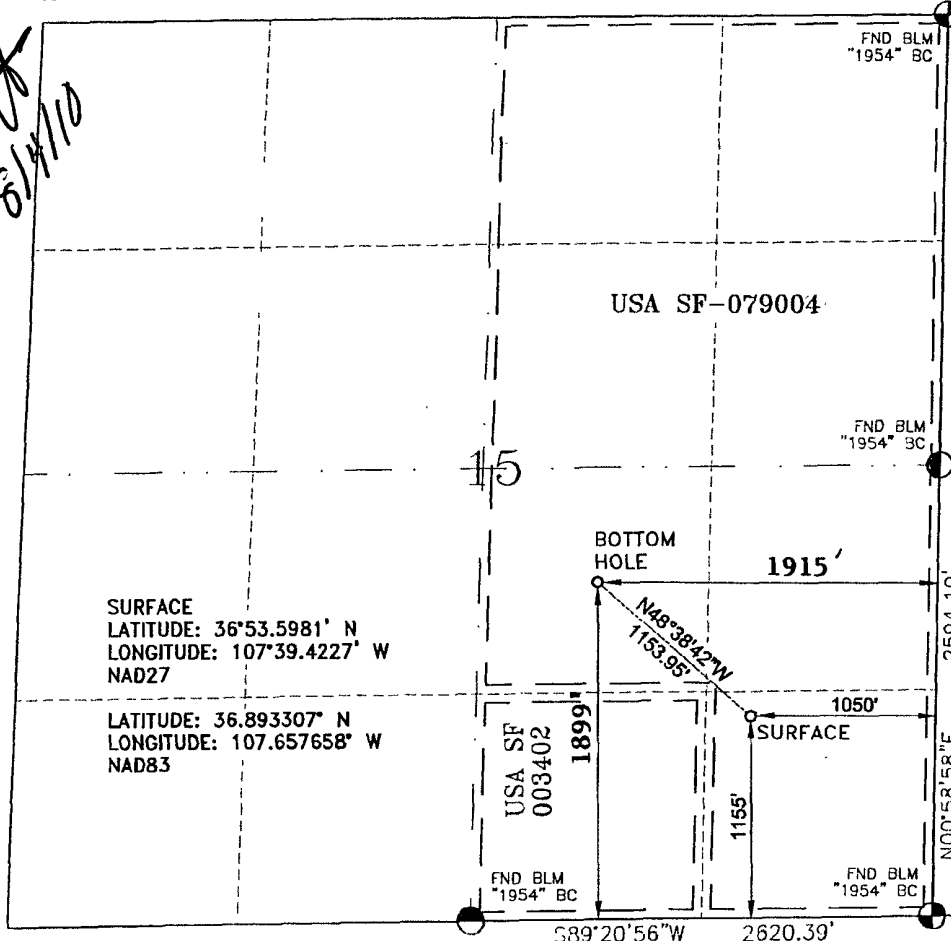
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	15	31-N	8-W		1155	SOUTH	1050	EAST	SAN JUAN

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
J	15	31-N	8-W		1899	SOUTH	1915	EAST	SAN JUAN
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 4 '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**

18



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 released 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 8/3/10
Signature
Crystal Tafoya 8/3/10
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.

JULY 14, 2009
Date of Survey

Signature and Seal of



GLEN W. RUSSELL
Certificate Number

15703

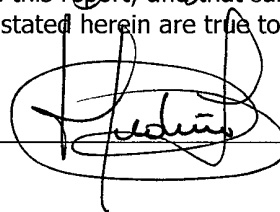
Legal WellName : SAN JUAN 32-8 UNIT #21C	API / UWI: 3004535084
Operator: CONOCOPHILLIPS COMPANY	Surf Loc: 015-031N-008W-P
St/Prov: NEW MEXICO	N/S Dist (ft): 1,155.00 - FSL
County: SAN JUAN	E/W Dist (ft): 1,050.00 - FEL

ROAD AUG 4'10
OIL CONS. DIV.
DIST. 3

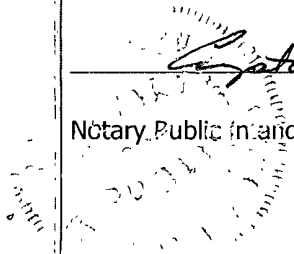
Wellbore Name : Original Hole					
Description	Date	MD Tie In (ft)	Inclination Tie In (°)	Azimuth Tie In (°)	
INCLINATION SURVEY	04/29/2010	.00	.00	.00	
Date	MD (ft)	Incl (°)	Azm (°)	Method	Survey Company
04/29/2010	130.00	.50	.00	Inc-WL	MOTE
04/29/2010	237.00	.75	.00	Inc-WL	MOTE
Description	Date	MD Tie In (ft)	Inclination Tie In (°)	Azimuth Tie In (°)	
DIRECTIONAL SURVEYS	05/02/2010	.00	.00	.00	
Date	MD (ft)	Incl (°)	Azm (°)	Method	Survey Company
05/02/2010	265.00	.19	197.30	IncAzi-MWD	Scientific Drilling
05/02/2010	326.00	1.05	287.14	IncAzi-MWD	Scientific Drilling
05/02/2010	388.00	2.51	294.75	IncAzi-MWD	Scientific Drilling
05/02/2010	450.00	3.68	303.51	IncAzi-MWD	Scientific Drilling
05/02/2010	512.00	4.82	310.62	IncAzi-MWD	Scientific Drilling
05/02/2010	574.00	5.99	312.23	IncAzi-MWD	Scientific Drilling
05/02/2010	635.00	7.06	313.09	IncAzi-MWD	Scientific Drilling
05/02/2010	697.00	8.38	311.78	IncAzi-MWD	Scientific Drilling
05/02/2010	757.00	9.64	311.15	IncAzi-MWD	Scientific Drilling
05/02/2010	819.00	11.01	311.51	IncAzi-MWD	Scientific Drilling
05/02/2010	881.00	12.13	312.23	IncAzi-MWD	Scientific Drilling
05/03/2010	945.00	13.39	312.18	IncAzi-MWD	Scientific Drilling
05/03/2010	1,008.00	14.45	312.87	IncAzi-MWD	Scientific Drilling
05/03/2010	1,071.00	15.58	313.52	IncAzi-MWD	Scientific Drilling
05/03/2010	1,134.00	17.05	313.55	IncAzi-WL	Scientific Drilling
05/03/2010	1,196.00	18.13	312.46	IncAzi-MWD	Scientific Drilling
05/03/2010	1,259.00	19.17	310.71	IncAzi-MWD	Scientific Drilling
05/03/2010	1,323.00	20.56	311.60	IncAzi-MWD	Scientific Drilling
05/03/2010	1,386.00	22.00	312.44	IncAzi-MWD	Scientific Drilling
05/03/2010	1,449.00	23.20	311.73	IncAzi-MWD	Scientific Drilling
05/03/2010	1,512.00	24.36	311.74	IncAzi-MWD	Scientific Drilling
05/03/2010	1,576.00	25.37	311.42	IncAzi-MWD	Scientific Drilling
05/03/2010	1,639.00	26.50	310.71	IncAzi-MWD	Scientific Drilling
05/03/2010	1,702.00	27.82	310.83	IncAzi-MWD	Scientific Drilling
05/03/2010	1,766.00	28.60	311.07	IncAzi-MWD	Scientific Drilling
05/03/2010	1,830.00	28.31	310.94	IncAzi-MWD	Scientific Drilling
05/03/2010	1,892.00	28.74	310.80	IncAzi-MWD	Scientific Drilling

05/03/2010	1,955.00	28.99	311.37	IncAzi-MWD	Scientific Drilling
05/03/2010	2,019.00	28.71	311.14	IncAzi-MWD	Scientific Drilling
05/03/2010	2,082.00	28.58	310.77	IncAzi-MWD	Scientific Drilling
05/03/2010	2,145.00	28.40	310.68	IncAzi-MWD	Scientific Drilling
05/03/2010	2,209.00	28.59	310.63	IncAzi-MWD	Scientific Drilling
05/03/2010	2,271.00	28.38	311.20	IncAzi-MWD	Scientific Drilling
05/03/2010	2,334.00	27.24	310.79	IncAzi-MWD	Scientific Drilling
05/03/2010	2,397.00	28.37	311.19	IncAzi-MWD	Scientific Drilling
05/03/2010	2,460.00	29.38	311.60	IncAzi-MWD	Scientific Drilling
05/03/2010	2,523.00	29.05	311.08	IncAzi-MWD	Scientific Drilling
05/04/2010	2,587.00	30.03	310.42	IncAzi-MWD	Scientific Drilling
05/04/2010	2,650.00	30.26	309.49	IncAzi-MWD	Scientific Drilling
05/04/2010	2,712.00	30.10	309.80	IncAzi-MWD	Scientific Drilling
05/04/2010	2,776.00	29.87	309.62	IncAzi-MWD	Scientific Drilling
05/04/2010	2,839.00	28.84	309.76	IncAzi-MWD	Scientific Drilling
05/04/2010	2,903.00	26.43	311.38	IncAzi-MWD	Scientific Drilling
05/04/2010	2,966.00	24.40	312.04	IncAzi-MWD	Scientific Drilling
05/04/2010	3,029.00	22.35	312.26	IncAzi-MWD	Scientific Drilling
05/04/2010	3,093.00	20.42	312.34	IncAzi-MWD	Scientific Drilling
05/04/2010	3,156.00	18.07	310.49	IncAzi-MWD	Scientific Drilling
05/04/2010	3,219.00	16.08	310.96	IncAzi-MWD	Scientific Drilling
05/04/2010	3,281.00	14.33	309.33	IncAzi-MWD	Scientific Drilling
05/04/2010	3,344.00	12.99	308.16	IncAzi-MWD	Scientific Drilling
05/04/2010	3,408.00	12.04	306.69	IncAzi-MWD	Scientific Drilling
05/04/2010	3,471.00	11.12	306.22	IncAzi-MWD	Scientific Drilling
05/04/2010	3,535.00	9.29	306.71	IncAzi-MWD	Scientific Drilling
05/04/2010	3,598.00	7.93	307.87	IncAzi-MWD	Scientific Drilling
05/04/2010	3,661.00	7.36	305.36	IncAzi-MWD	Scientific Drilling
05/05/2010	3,725.00	6.68	303.08	IncAzi-MWD	Scientific Drilling
05/05/2010	3,789.00	5.27	304.48	IncAzi-MWD	Scientific Drilling
05/05/2010	3,823.00	4.81	303.44	IncAzi-MWD	Scientific Drilling
Description	Date	MD Tie In (ft)	Inclination Tie In (°)	Azimuth Tie In (°)	
FINAL BH SURVEY	05/12/2010	.00	.00	.00	
Date	MD (ft)	Incl (°)	Azm (°)	Method	Survey Company
05/12/2010	8,241.00	.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.



Subscribed and sworn to me this August 3, 2010

A circular notary seal is partially visible on the left side of the page, overlapping the signature line. It contains the text "NOTARY PUBLIC" and "SAN JUAN COUNTY, NEW MEXICO".
Estel L. Tapia

Notary Public in and for San Juan County, New Mexico

My Commission expires 10/12/2010

RCVD AUG 4 '10
OIL CONS. DIV.
DIST. 3

ConocoPhillips

SJB (NM West)

SEC 15-T31N-R8W

SJ 32-8 #21C

API # 30-045-35084

Original Hole

Survey: Actual

Standard Survey Report

13 May, 2010

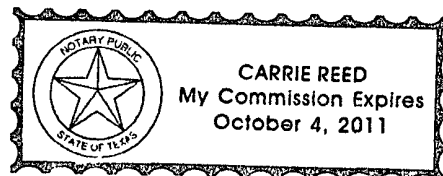
This survey is correct to the best of my knowledge and is supported by actual field data.

Robert

Notorized this date 13th of May, 2010.

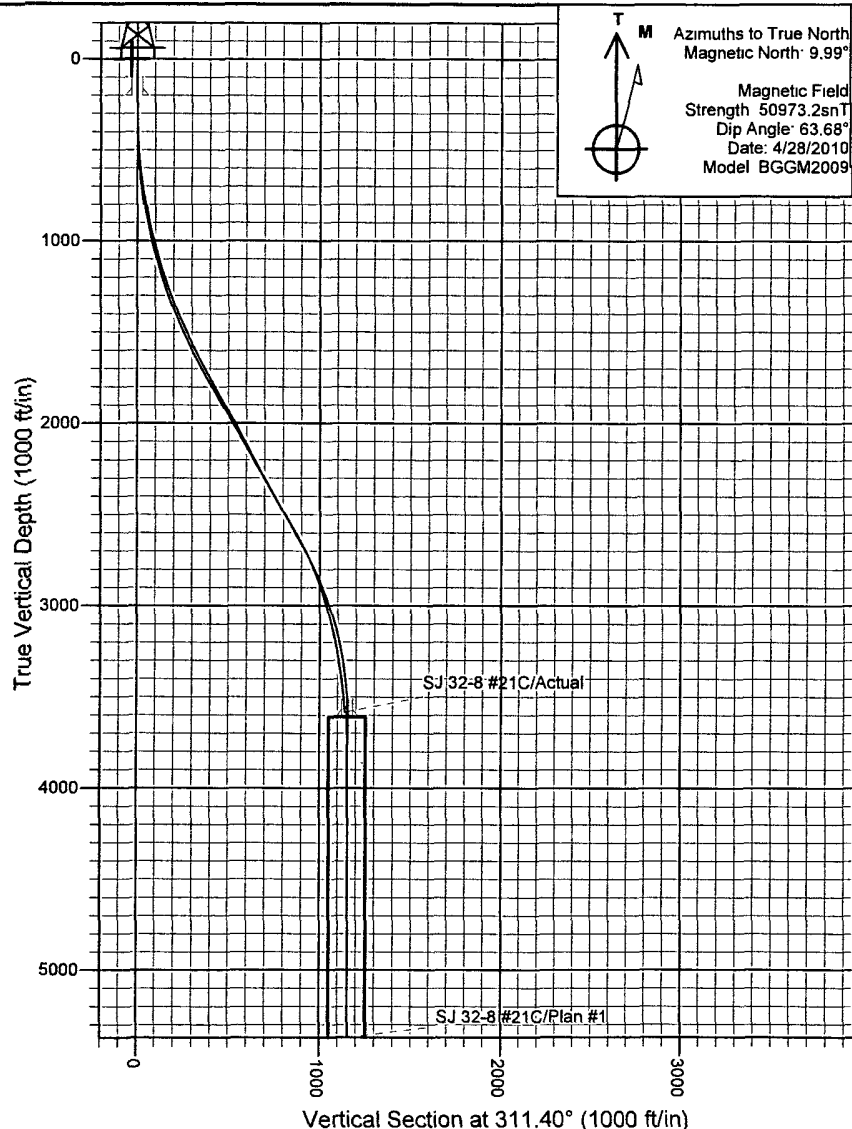
Carrie Reed

Notary Signature
County of Midland
State of Texas



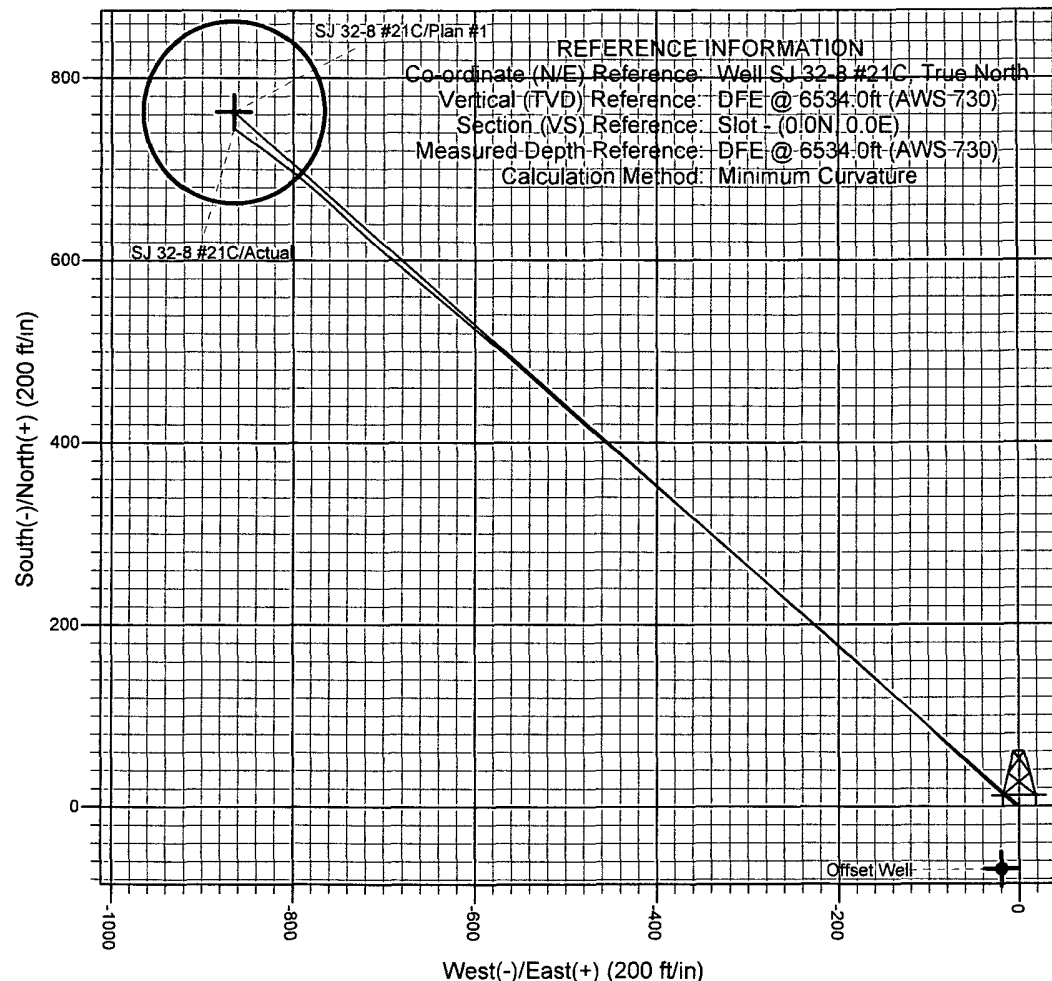


Project: SJB (NM West)
SEC 15-T31N-R8W
Well: SJ 32-8 #21C
Wellbore: Original Hole
Design: Plan #1
Site:



WELL DETAILS: SJ 32-8 #21C
DFE @ 6534.0ft (AWS 730)
Ground Level: 6518.0

	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
	0.0	0.0	2144473.01	551550.74	36° 53' 35.886 N	107° 39' 25.362 W	



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 West)
Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico West 3003
System Datum: Mean Sea Level

SITE DETAILS: SEC 15-T31N-R8W
San Juan County NM
Site Centre Latitude: 36° 53' 35.886 N
Longitude: 107° 39' 25.362 W
Positional Uncertainty: 0.0
Convergence: 0.11
Local North: True

Scientific Drilling International, Inc.

Survey Report

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well SJ 32-8 #21C
Project:	SJB (NM West)	TVD Reference:	DFE @ 6534 0ft (AWS 730)
Site:	SEC 15-T31N-R8W	MD Reference:	DFE @ 6534.0ft (AWS 730)
Well:	SJ 32-8 #21C	North Reference:	True
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	edmCOP

Project	SJB (NM West), 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 West 3003		Using geodetic scale factor

Site		SEC 15-T31N-R8W			
Site Position:		Northing:	2,144,473 01 ft	Latitude:	36° 53' 35.886 N
From:	Lat/Long	Easting:	551,550 74 ft	Longitude:	107° 39' 25.362 W
Position Uncertainty:	0 0 ft	Slot Radius:	6-1/8"	Grid Convergence:	0 11 °

Well	SJ 32-8 #21C, S-Type MV/DK Well					
Well Position	+N/-S	0.0 ft	Northing:	2,144,473.01 ft	Latitude:	36° 53' 35.886 N
	+E/-W	0.0 ft	Easting:	551,550.74 ft	Longitude:	107° 39' 25.362 W
Position Uncertainty		3.5 ft	Wellhead Elevation:	ft	Ground Level:	6,518.0 ft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2009	4/28/2010	10.00	63.68	50,973

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	311.40

Survey Program	Date	5/13/2010			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
265.0	3,823.0	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
265.0	0.19	197.30	265.0	-0.4	-0.1	-0.2	0.07	0.07	0.00
326.0	1.05	287.14	326.0	-0.4	-0.7	0.3	1.75	1.41	147.28
388.0	2.51	294.75	388.0	0.4	-2.5	2.1	2.38	2.35	12.27
450.0	3.68	303.51	449.9	2.1	-5.4	5.4	2.03	1.89	14.13
512.0	4.82	310.62	511.7	4.8	-9.0	10.0	2.02	1.84	11.47
574.0	5.99	312.23	573.4	8.7	-13.4	15.8	1.90	1.89	2.60
635.0	7.06	313.09	634.0	13.4	-18.5	22.7	1.76	1.75	1.41
697.0	8.38	311.78	695.5	19.0	-24.6	31.1	2.15	2.13	-2.11
757.0	9.64	311.15	754.7	25.2	-31.7	40.4	2.11	2.10	-1.05
819.0	11.01	311.51	815.7	32.6	-40.0	51.6	2.21	2.21	0.58
881.0	12.13	312.23	876.5	40.9	-49.3	64.0	1.82	1.81	1.16
945.0	13.39	312.18	938.9	50.4	-59.7	78.1	1.97	1.97	-0.08

Scientific Drilling International, Inc.
Survey Report

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well SJ 32-8 #21C
Project:	SJB (NM West)	TVD Reference:	DFE @ 6534 0ft (AWS 730)
Site:	SEC 15-T31N-R8W	MD Reference:	DFE @ 6534 0ft (AWS 730)
Well:	SJ 32-8 #21C	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)
1,008.0	14.45	312.87	1,000.0	60.6	-70.9	93.3	1.70	1.68	1.10
1,071.0	15.58	313.52	1,060.9	71.8	-82.8	109.6	1.81	1.79	1.03
1,134.0	17.05	313.55	1,121.3	84.0	-95.6	127.3	2.33	2.33	0.05
1,196.0	18.13	312.46	1,180.4	96.8	-109.3	146.0	1.82	1.74	-1.76
1,259.0	19.17	310.71	1,240.1	110.1	-124.4	166.1	1.87	1.65	-2.78
1,323.0	20.56	311.60	1,300.3	124.5	-140.8	187.9	2.22	2.17	1.39
1,386.0	22.00	312.44	1,359.0	139.8	-157.8	210.8	2.34	2.29	1.33
1,449.0	23.20	311.73	1,417.2	156.0	-175.7	235.0	1.95	1.90	-1.13
1,512.0	24.36	311.74	1,474.8	172.9	-194.7	260.4	1.84	1.84	0.02
1,576.0	25.37	311.42	1,532.9	190.8	-214.8	287.3	1.59	1.58	-0.50
1,639.0	26.50	310.71	1,589.6	208.8	-235.6	314.8	1.86	1.79	-1.13
1,702.0	27.82	310.83	1,645.6	227.6	-257.4	343.6	2.10	2.10	0.19
1,766.0	28.60	311.07	1,702.0	247.5	-280.2	373.8	1.23	1.22	0.38
1,830.0	28.31	310.94	1,758.3	267.5	-303.2	404.3	0.46	-0.45	-0.20
1,892.0	28.74	310.80	1,812.7	286.8	-325.6	433.9	0.70	0.69	-0.23
1,955.0	28.99	311.37	1,867.9	306.8	-348.5	464.3	0.59	0.40	0.90
2,019.0	28.71	311.14	1,924.0	327.2	-371.8	495.2	0.47	-0.44	-0.36
2,082.0	28.58	310.77	1,979.3	347.0	-394.6	525.4	0.35	-0.21	-0.59
2,145.0	28.40	310.68	2,034.6	366.6	-417.3	555.5	0.29	-0.29	-0.14
2,209.0	28.59	310.63	2,090.9	386.5	-440.5	586.0	0.30	0.30	-0.08
2,271.0	28.38	311.20	2,145.4	405.8	-462.8	615.6	0.55	-0.34	0.92
2,334.0	27.24	310.79	2,201.1	425.1	-485.0	645.0	1.83	-1.81	-0.65
2,397.0	28.37	311.19	2,256.8	444.4	-507.2	674.4	1.82	1.79	0.63
2,460.0	29.38	311.60	2,312.0	464.5	-530.0	704.8	1.63	1.60	0.65
2,523.0	29.05	311.08	2,367.0	484.8	-553.1	735.5	0.66	-0.52	-0.83
2,587.0	30.03	310.42	2,422.7	505.4	-577.0	767.1	1.61	1.53	-1.03
2,650.0	30.26	309.49	2,477.1	525.7	-601.3	798.7	0.83	0.37	-1.48
2,712.0	30.10	309.80	2,530.7	545.6	-625.3	829.9	0.36	-0.26	0.50
2,776.0	29.87	309.62	2,586.2	566.1	-649.9	861.8	0.39	-0.36	-0.28
2,839.0	28.84	309.76	2,641.1	585.8	-673.6	892.7	1.64	-1.63	0.22
2,903.0	26.43	311.38	2,697.8	605.1	-696.2	922.4	3.94	-3.77	2.53
2,966.0	24.40	312.04	2,754.7	623.1	-716.4	949.4	3.25	-3.22	1.05
3,029.0	22.35	312.26	2,812.5	639.8	-734.9	974.4	3.26	-3.25	0.35
3,093.0	20.42	312.34	2,872.1	655.5	-752.2	997.7	3.02	-3.02	0.13
3,156.0	18.07	310.49	2,931.6	669.3	-767.7	1,018.5	3.85	-3.73	-2.94
3,219.0	16.08	310.96	2,991.8	681.4	-781.8	1,037.0	3.17	-3.16	0.75
3,281.0	14.33	309.33	3,051.6	691.8	-794.2	1,053.2	2.91	-2.82	-2.63
3,344.0	12.99	308.16	3,112.8	701.2	-805.8	1,068.1	2.17	-2.13	-1.86
3,408.0	12.04	306.69	3,175.3	709.6	-816.8	1,081.9	1.57	-1.48	-2.30
3,471.0	11.12	306.22	3,237.0	717.1	-827.0	1,094.5	1.47	-1.46	-0.75
3,535.0	9.29	306.71	3,300.0	723.8	-836.1	1,105.8	2.86	-2.86	0.77
3,598.0	7.93	307.87	3,362.3	729.6	-843.6	1,115.2	2.18	-2.16	1.84
3,661.0	7.36	305.36	3,424.7	734.6	-850.3	1,123.6	1.05	-0.90	-3.98
3,725.0	6.68	303.08	3,488.3	739.0	-856.8	1,131.4	1.15	-1.06	-3.56
3,789.0	5.27	304.48	3,551.9	742.7	-862.3	1,138.0	2.21	-2.20	2.19
3,823.0	4.81	303.44	3,585.8	744.3	-864.8	1,140.9	1.38	-1.35	-3.06