

DISTRICT I
1625 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 30-039-30892		² Pool Code 71599 / 72319	³ Pool Name BASIN DAKOTA/BLANCO MESAVERDE
⁴ Property Code 31327	⁵ Property Name SAN JUAN 30 - 5 UNIT		⁶ Well Number 38P
⁷ OGRID No. 217817	⁸ Operator Name CONOCOPHILLIPS COMPANY		⁹ Elevation 6433'

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
0	18	30-N	5-W		975	SOUTH	1695	EAST	RIO ARRIBA

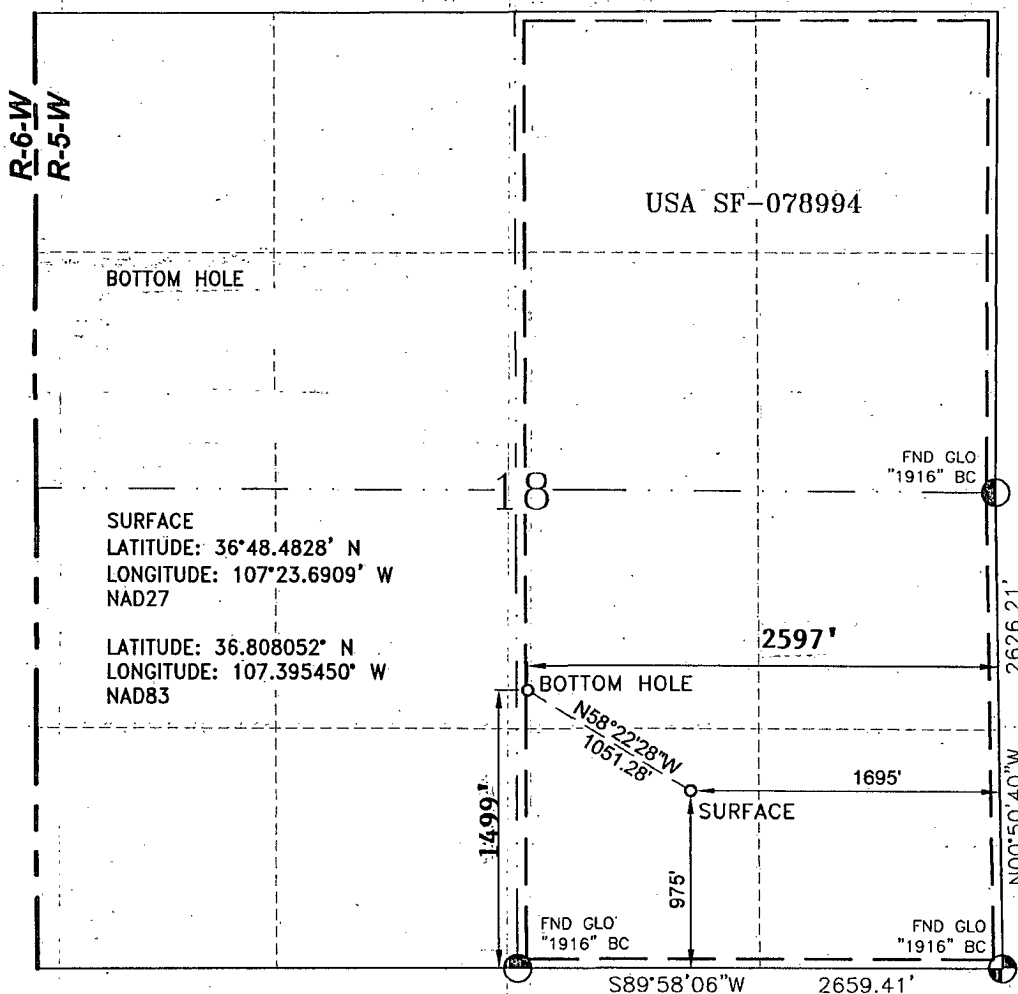
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	18	30-N	5-W		1499	SOUTH	2597	EAST	RIO ARRIBA

¹² Dedicated Acres DK 320.00 ACRES E/2 MV 320.00 ACRES E/2	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. RCVD OCT 19 '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

16



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 interest, or is a party to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature Crystal Tapaya 10/18/10

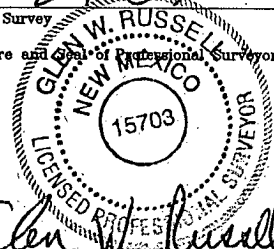
Crystal Tafoya 10/18/10
Printed Name

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.

7-29-09
Date of Survey

Signature and Seal of Professional Surveyor:



Certificate Number 15703

Legal WellName : SAN JUAN 30-5 UNIT #38P	API / UWI: 3003930892
Operator: CONOCOPHILLIPS COMPANY	Surf Loc: 018-030N-005W-O
St/Prov: NEW MEXICO	N/S Dist (ft): 975.00 - FSL
County: RIO ARriba	E/W Dist (ft): 1,695.00 - FEL

Wellbore Name : Original Hole				
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Description	Date	MD Tie In (ft)	Inclination Tie In (°)	Azimuth Tie In (°)
INCLINATION SURVEYS	07/13/2010	.00	.00	.00

Date	MD (ft)	Incl (°)	Azm (°)	Method	Survey Company
07/13/2010	130.00	.75	.00	Inc-WL	MOTE
07/13/2010	236.00	2.00	.00	Inc-WL	MOTE

Description	Date	MD Tie In (ft)	Inclination Tie In (°)	Azimuth Tie In (°)
DIRECTIONAL SURVEY	08/09/2010	.00	.00	.00

Date	MD (ft)	Incl (°)	Azm (°)	Method	Survey Company
08/09/2010	266.00	.89	263.71	IncAzi-MWD	Scientific Drilling
08/09/2010	328.00	1.21	268.40	IncAzi-MWD	Scientific Drilling
08/09/2010	389.00	2.68	288.74	IncAzi-MWD	Scientific Drilling
08/09/2010	450.00	4.72	299.35	IncAzi-MWD	Scientific Drilling
08/10/2010	512.00	6.78	299.48	IncAzi-MWD	Scientific Drilling
08/10/2010	572.00	8.91	300.11	IncAzi-MWD	Scientific Drilling
08/10/2010	634.00	10.81	301.96	IncAzi-MWD	Scientific Drilling
08/10/2010	695.00	12.42	304.67	IncAzi-MWD	Scientific Drilling
08/10/2010	773.00	14.85	304.71	IncAzi-MWD	Scientific Drilling
08/10/2010	863.00	17.97	305.62	IncAzi-MWD	Scientific Drilling
08/10/2010	953.00	20.10	302.67	IncAzi-MWD	Scientific Drilling
08/10/2010	1,043.00	21.69	299.46	IncAzi-MWD	Scientific Drilling
08/10/2010	1,133.00	23.80	299.20	IncAzi-MWD	Scientific Drilling
08/10/2010	1,223.00	26.37	300.08	IncAzi-MWD	Scientific Drilling
08/10/2010	1,314.00	29.49	303.15	IncAzi-MWD	Scientific Drilling
08/10/2010	1,404.00	31.66	305.34	IncAzi-MWD	Scientific Drilling
08/10/2010	1,494.00	31.67	304.30	IncAzi-MWD	Scientific Drilling
08/10/2010	1,584.00	31.47	304.29	IncAzi-MWD	Scientific Drilling
08/10/2010	1,675.00	31.48	303.49	IncAzi-MWD	Scientific Drilling
08/10/2010	1,765.00	31.04	302.91	IncAzi-MWD	Scientific Drilling
08/10/2010	1,855.00	31.10	302.30	IncAzi-MWD	Scientific Drilling
08/10/2010	1,946.00	31.43	302.02	IncAzi-MWD	Scientific Drilling
08/10/2010	2,036.00	31.82	302.89	IncAzi-MWD	Scientific Drilling
08/10/2010	2,126.00	30.85	303.06	IncAzi-MWD	Scientific Drilling
08/10/2010	2,216.00	29.70	305.96	IncAzi-MWD	Scientific Drilling
08/10/2010	2,306.00	28.07	306.23	IncAzi-MWD	Scientific Drilling
08/10/2010	2,396.00	25.72	305.40	IncAzi-MWD	Scientific Drilling

08/10/2010	2,486.00	22.33	305.39	IncAzi-MWD	Scientific Drilling
08/10/2010	2,576.00	19.65	304.76	IncAzi-MWD	Scientific Drilling
08/10/2010	2,666.00	17.36	303.29	IncAzi-MWD	Scientific Drilling
08/10/2010	2,756.00	14.67	299.47	IncAzi-MWD	Scientific Drilling
08/10/2010	2,846.00	12.88	302.99	IncAzi-MWD	Scientific Drilling
08/10/2010	2,936.00	10.58	305.53	IncAzi-MWD	Scientific Drilling
08/11/2010	3,026.00	7.28	299.66	IncAzi-MWD	Scientific Drilling
08/11/2010	3,116.00	3.99	297.49	IncAzi-MWD	Scientific Drilling
08/11/2010	3,206.00	1.38	358.11	IncAzi-MWD	Scientific Drilling
08/11/2010	3,297.00	.82	76.08	IncAzi-MWD	Scientific Drilling
08/11/2010	3,387.00	.90	98.59	IncAzi-MWD	Scientific Drilling

Description	Date	MD Tie In (ft)	Inclination Tie In (°)	Azimuth Tie In (°)
FINAL BH SURVEY	08/18/2010	.00	.00	.00

Date	MD (ft)	Incl (°)	Azm (°)	Method	Survey Company
08/18/2010	8,123.00	1.00	.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.

yes hney

Subscribed and sworn to me this October 18, 2010

Crystal L. Tapaya

Notary Public in and for San Juan County, New Mexico

My Commission expires 10/12/2014 ~~2010~~ clt

RCVD OCT 19 '10
OIL CONS. DIV.
DIST. 3

ConocoPhillips

SJB (NM Central)
SEC 18-T30N-R5W
SJ 30-5 #38P
API# 30-039-30892
Original Hole

Survey: Actual

Standard Survey Report

17 August, 2010

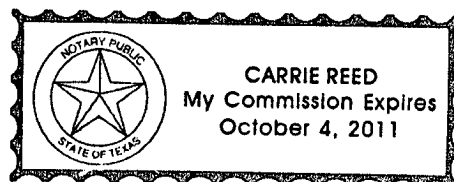
This survey is correct to the best of my knowledge and is supported by actual field data.

Richard

Notorized this date 20th of August, 2010.

Carrie Reed

Notary Signature
County of Midland
State of Texas

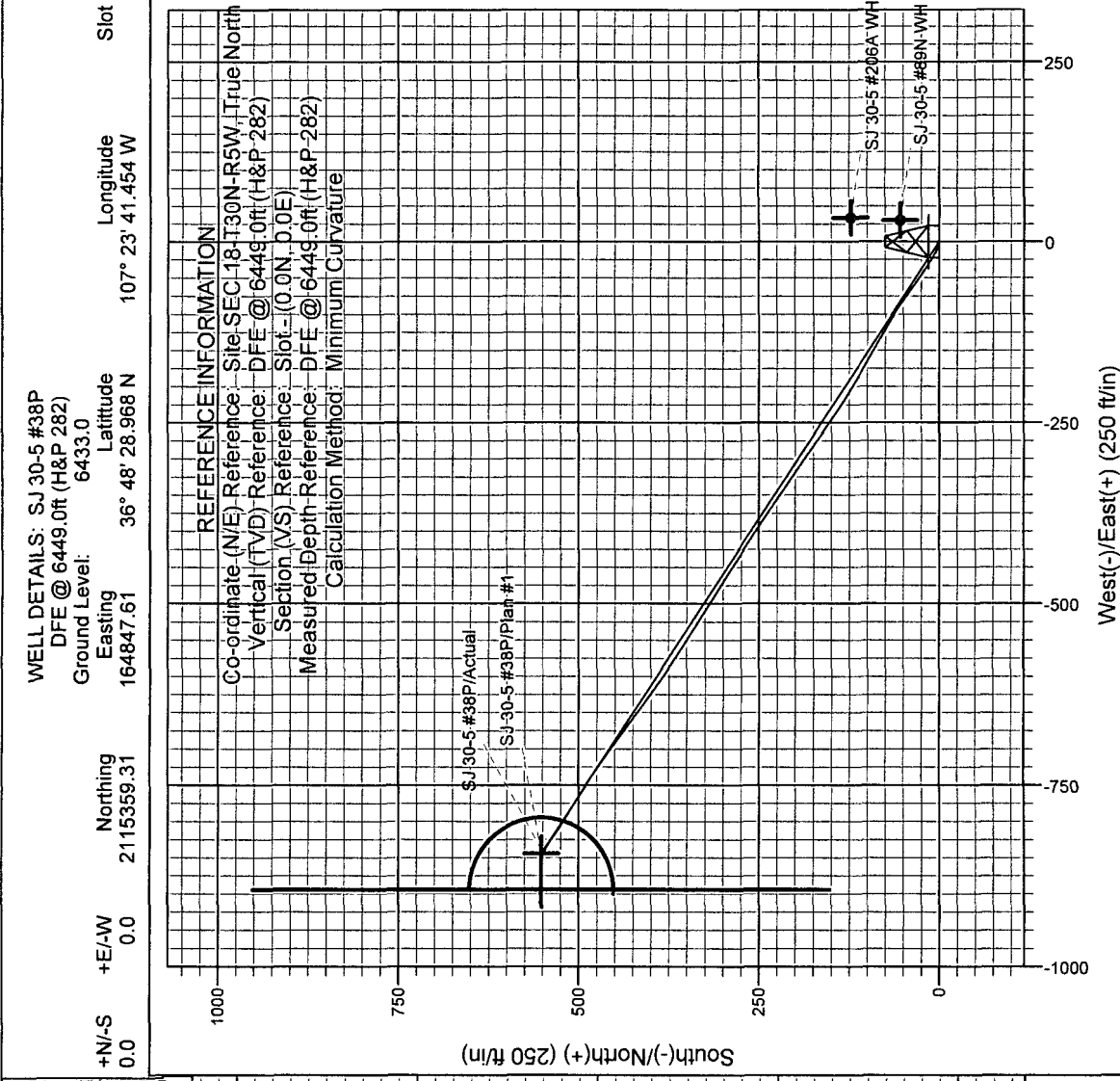
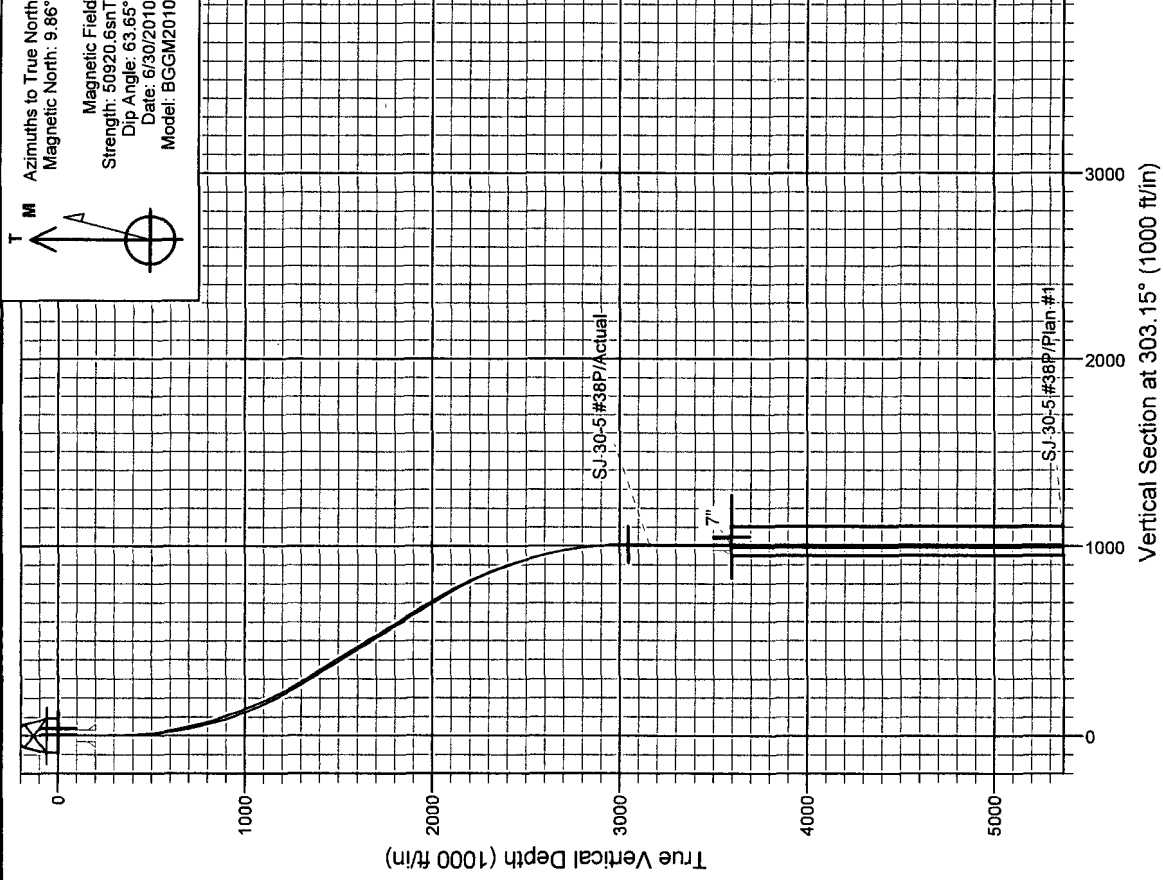
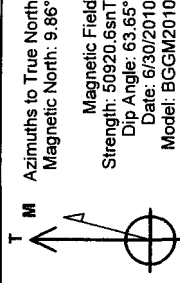




Scientific Drilling
Directional Drilling Operations

Project: SJB (NM Central)
SEC 18-T30N-R5W
Well: SJ 30-5 #38P
Wellbore: Original Hole
Design: Plan #1
Site:

ConocoPhillips



REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Site SEC 18-T30N-R5W, True North

Vertical (TVD) Reference: DFE @ 6449.0ft (H&P-282)

Section (VS) Reference: Slot-(0.0N, 0.0E)

Measured Depth Reference: DFE @ 6449.0ft (H&P-282)

Calculation Method: Minimum Curvature

WELL DETAILS: SJ 30-5 #38P
DFE @ 6449.0ft (H&P-282)
Ground Level: 6433.0

Easting 164847.61

Latitude 36° 48' 28.368 N

Longitude 107° 23' 41.454 W

Slot

North 2115359.31

+E/-W 0.0

+N/-S 0.0

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 18-T30N-R5W
Rio Arriba County NM
Site Centre Latitude: 36° 48' 28.968 N
Longitude: 107° 23' 41.454 W
Positional Uncertainty: 0.0
Convergence: -0.69
Local North: True

Scientific Drilling International, Inc.

Survey Report

Company:	ConocoPhillips	Local Co-ordinate Reference:	Site SEC 18-T30N-R5W
Project:	SJB (NM Central)	TVD Reference:	DFE @ 6449.0ft (H&P 282)
Site:	SEC 18-T30N-R5W	MD Reference:	DFE @ 6449.0ft (H&P 282)
Well:	SJ 30-5 #38P	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 18-T30N-R5W		
Site Position:		Northing:	2,115,359.31 ft
From:	Lat/Long	Easting:	164,847.61 ft
Position Uncertainty:	0.0 ft	Slot Radius:	6-1/8"
		Latitude:	36° 48' 28.968 N
		Longitude:	107° 23' 41.454 W
		Grid Convergence:	-0.69 °

Well	SJ 30-5 #38P, S-Type MV/DK Well		
Well Position	+N/-S	0.0 ft	Northing: 2,115,359.31 ft
	+E/-W	0.0 ft	Easting: 164,847.61 ft
Position Uncertainty		3.5 ft	Wellhead Elevation: ft
			Ground Level: 6,433.0 ft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2010	6/30/2010	9.86	63.65	50,921

Design	Original Hole			
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(ft)	(ft)	(ft)	(°)
	0.0	0.0	0.0	303.24

Survey Program	Date 8/17/2010			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
266.0	3,387.0	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
266.0	0.89	263.71	266.0	-0.2	-2.1	1.6	0.33	0.33	0.00
328.0	1.21	268.40	328.0	-0.3	-3.2	2.5	0.53	0.52	7.56
389.0	2.68	288.74	388.9	0.1	-5.2	4.4	2.63	2.41	33.34
450.0	4.72	299.35	449.8	1.8	-8.7	8.3	3.51	3.34	17.39
512.0	6.78	299.48	511.5	4.9	-14.1	14.5	3.32	3.32	0.21
572.0	8.91	300.11	570.9	9.0	-21.2	22.7	3.55	3.55	1.05
634.0	10.81	301.96	632.0	14.4	-30.3	33.3	3.11	3.06	2.98
695.0	12.42	304.67	691.8	21.2	-40.6	45.6	2.79	2.64	4.44
773.0	14.85	304.71	767.6	31.7	-55.7	63.9	3.12	3.12	0.05
863.0	17.97	305.62	853.9	46.3	-76.5	89.3	3.48	3.47	1.01
953.0	20.10	302.67	939.0	62.8	-100.8	118.7	2.60	2.37	-3.28
1,043.0	21.69	299.46	1,023.0	79.3	-128.3	150.7	2.18	1.77	-3.57

Scientific Drilling International, Inc.

Survey Report

Company:	ConocoPhillips	Local Co-ordinate Reference:	Site SEC 18-T30N-R5W
Project:	SJB (NM Central)	TVD Reference:	DFE @ 6449.0ft (H&P 282)
Site:	SEC 18-T30N-R5W	MD Reference:	DFE @ 6449.0ft (H&P 282)
Well:	SJ 30-5 #38P	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)	
1,133.0	23.80	299.20	1,106.0	96.3	-158.6	185.5	2.35	2.34	-0.29	
1,223.0	26.37	300.08	1,187.5	115.2	-191.8	223.5	2.89	2.86	0.98	
1,314.0	29.49	303.15	1,267.9	137.6	-228.0	266.1	3.77	3.43	3.37	
1,404.0	31.66	305.34	1,345.4	163.4	-265.8	311.9	2.71	2.41	2.43	
1,494.0	31.67	304.30	1,422.0	190.4	-304.6	359.1	0.61	0.01	-1.16	
1,584.0	31.47	304.29	1,498.7	216.9	-343.5	406.2	0.22	-0.22	-0.01	
1,675.0	31.48	303.49	1,576.3	243.4	-383.0	453.7	0.46	0.01	-0.88	
1,765.0	31.04	302.91	1,653.2	269.0	-422.1	500.4	0.59	-0.49	-0.64	
1,855.0	31.10	302.30	1,730.3	294.0	-461.2	546.9	0.36	0.07	-0.68	
1,946.0	31.43	302.02	1,808.1	319.1	-501.2	594.1	0.40	0.36	-0.31	
2,036.0	31.82	302.89	1,884.8	344.5	-541.0	641.3	0.67	0.43	0.97	
2,126.0	30.85	303.06	1,961.6	369.9	-580.3	688.1	1.08	-1.08	0.19	
2,216.0	29.70	305.96	2,039.4	395.6	-617.6	733.4	2.07	-1.28	3.22	
2,306.0	28.07	306.23	2,118.2	421.2	-652.8	776.9	1.82	-1.81	0.30	
2,396.0	25.72	305.40	2,198.4	445.1	-685.8	817.5	2.64	-2.61	-0.92	
2,486.0	22.33	305.39	2,280.6	466.3	-715.6	854.1	3.77	-3.77	-0.01	
2,576.0	19.65	304.76	2,364.6	484.8	-742.0	886.4	2.99	-2.98	-0.70	
2,666.0	17.36	303.29	2,450.0	500.8	-765.7	914.9	2.60	-2.54	-1.63	
2,756.0	14.67	299.47	2,536.5	513.8	-786.8	939.7	3.21	-2.99	-4.24	
2,846.0	12.88	302.99	2,623.9	524.9	-805.2	961.1	2.20	-1.99	3.91	
2,936.0	10.58	305.53	2,712.0	535.1	-820.3	979.4	2.62	-2.56	2.82	
3,026.0	7.28	299.66	2,800.9	542.7	-832.0	993.4	3.80	-3.67	-6.52	
3,116.0	3.99	297.49	2,890.4	547.0	-839.7	1,002.2	3.66	-3.66	-2.41	
3,206.0	1.38	358.11	2,980.4	549.5	-842.5	1,005.9	3.92	-2.90	67.36	
3,297.0	0.82	76.08	3,071.3	550.8	-841.9	1,006.1	1.59	-0.62	85.68	
3,387.0	0.90	98.59	3,161.3	550.8	-840.6	1,005.0	0.38	0.09	25.01	