

"AS DRILLED PLAT"

DISTRICT I
1625 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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30899	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 76 N
⁷ OGRID No. 217817	⁸ Operator Name CONOCOPHILLIPS COMPANY	⁹ Elevation 6382'

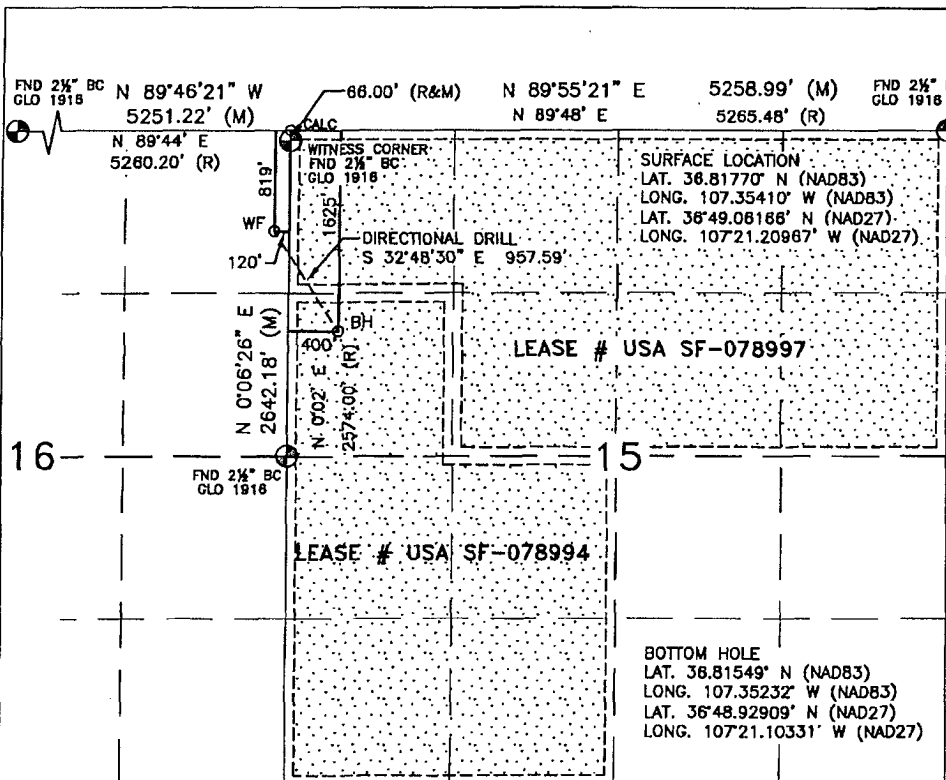
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	16	30N	5W		819'	NORTH	120'	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
E	15	30N	5W		1644	NORTH	409	WEST	RIO ARRIBA
¹² Dedicated Acres MV-320.0 Acres - (W/2) DK-320.0 Acres - (N/2)					¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No. RCVD OCT 25 '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



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.

Patsy Clugston 10/22/10
Signature Date

Patsy Clugston
Printed Name

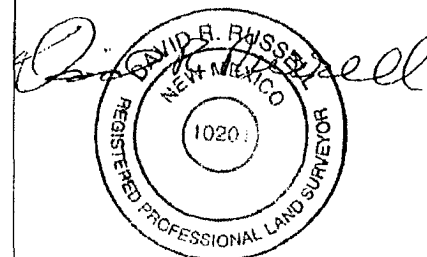
¹⁸ SURVEYOR CERTIFICATION

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 21, 2008

Date of Survey

Signature and Seal of Professional Surveyor:



DAVID RUSSELL

Certificate Number

10201

ConocoPhillips

COP Deviation Report SAN JUAN 30-5 UNIT #76N

Operator
CONOCOPHILLIPS COMPANY
Surface Legal Location
16-030N-005W-A

Legal Well Name
SAN JUAN 30-5 UNIT #76N

API / UWI
3003930899
N/S Dist (ft)
819.00

County
RIO ARRIBA

State/Province
NEW MEXICO

N/S Ref
FNL

E/W Dist (ft)
120.00

E/W Ref
FEL

Survey Company

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Scientific Drilling
7/30/2010	0.00		0.00 IncAzi-MWD	MOTE
7/22/2010	130.00		0.75 Inc-VL	MOTE
7/23/2010	238.00		1.00 Inc-VL	Scientific Drilling
7/30/2010	266.00		1.00 IncAzi-MWD	Scientific Drilling
7/30/2010	328.00		0.36 IncAzi-MWD	Scientific Drilling
7/30/2010	388.00		1.01 IncAzi-MWD	Scientific Drilling
7/30/2010	449.00		2.77 IncAzi-MWD	Scientific Drilling
7/30/2010	511.00		4.91 IncAzi-MWD	Scientific Drilling
7/30/2010	572.00		6.56 IncAzi-MWD	Scientific Drilling
7/30/2010	632.00		7.97 IncAzi-MWD	Scientific Drilling
7/30/2010	692.00		9.88 IncAzi-MWD	Scientific Drilling
7/30/2010	772.00		12.79 IncAzi-MWD	Scientific Drilling
7/30/2010	862.00		15.41 IncAzi-MWD	Scientific Drilling
7/30/2010	952.00		18.73 IncAzi-MWD	Scientific Drilling
7/30/2010	1,043.00		21.86 IncAzi-MWD	Scientific Drilling
7/30/2010	1,133.00		24.25 IncAzi-MWD	Scientific Drilling
7/30/2010	1,223.00		27.72 IncAzi-MWD	Scientific Drilling
7/30/2010	1,313.00		30.72 IncAzi-MWD	Scientific Drilling
7/30/2010	1,403.00		33.04 IncAzi-MWD	Scientific Drilling
7/30/2010	1,494.00		34.88 IncAzi-MWD	Scientific Drilling
7/30/2010	1,584.00		34.80 IncAzi-MWD	Scientific Drilling
7/30/2010	1,674.00		35.35 IncAzi-MWD	Scientific Drilling
7/30/2010	1,764.00		34.61 IncAzi-MWD	Scientific Drilling
7/30/2010	1,854.00		33.31 IncAzi-MWD	Scientific Drilling
7/31/2010	1,945.00		32.42 IncAzi-MWD	Scientific Drilling
7/31/2010	2,035.00		30.46 IncAzi-MWD	Scientific Drilling
7/31/2010	2,125.00		29.31 IncAzi-MWD	Scientific Drilling
7/31/2010	2,215.00		26.10 IncAzi-MWD	Scientific Drilling
7/31/2010	2,305.00		22.64 IncAzi-MWD	Scientific Drilling
7/31/2010	2,396.00		19.76 IncAzi-MWD	Scientific Drilling
7/31/2010	2,486.00		18.62 IncAzi-MWD	Scientific Drilling
7/31/2010	2,576.00		17.33 IncAzi-MWD	Scientific Drilling
7/31/2010	2,666.00		14.58 IncAzi-MWD	Scientific Drilling
7/31/2010	2,756.00		12.40 IncAzi-MWD	Scientific Drilling
7/31/2010	2,846.00		10.23 IncAzi-MWD	Scientific Drilling
8/1/2010	2,936.00		7.69 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 (°)	Method	Survey Company	
8/1/2010	3,026.00	5.87	IncAzi-MWD	Scientific Drilling	
8/1/2010	3,116.00	4.14	IncAzi-MWD	Scientific Drilling	
8/1/2010	3,206.00	3.42	IncAzi-MWD	Scientific Drilling	
8/1/2010	3,297.00	3.22	IncAzi-MWD	Scientific Drilling	
8/1/2010	3,387.00	2.57	IncAzi-MWD	Scientific Drilling	
8/1/2010	3,477.00	2.61	IncAzi-MWD	Scientific Drilling	
8/1/2010	3,567.00	2.56	IncAzi-MWD	Scientific Drilling	
8/1/2010	3,715.00	2.52	IncAzi-MWD	Scientific Drilling	
8/9/2010	8,045.00	1.25	Inc-WL	PHOENIX	

RCVD OCT 25 '10

OIL CONS. DIV.

DIST. 3

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 Oct. 22nd, 2010

Jamie L. Goodwin

Notary Public in and for San Juan County, New Mexico

My Commission expires Feb 28th, 2012

RCVD OCT 25 '10

OIL CONS. DIV.

DIST. 3

ConocoPhillips

SJB (NM Central)
SEC 16-T30N-R5W
SJ 30-5 #76N
API# 30-039-30899
Original Hole

Survey: Actual

Standard Survey Report

11 August, 2010

API - 30-039-30899

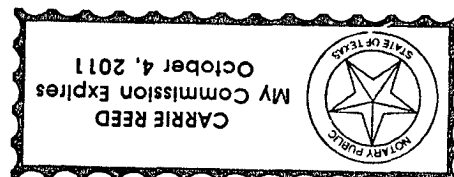
This survey is correct to the best of my knowledge and is supported by actual field data.

Lehman

Notorized this date 11th of August, 2010.

Carrie Reed

Notary Signature
County of Midland
State of Texas

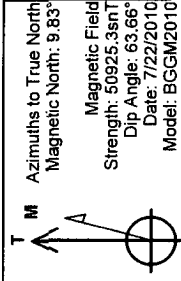




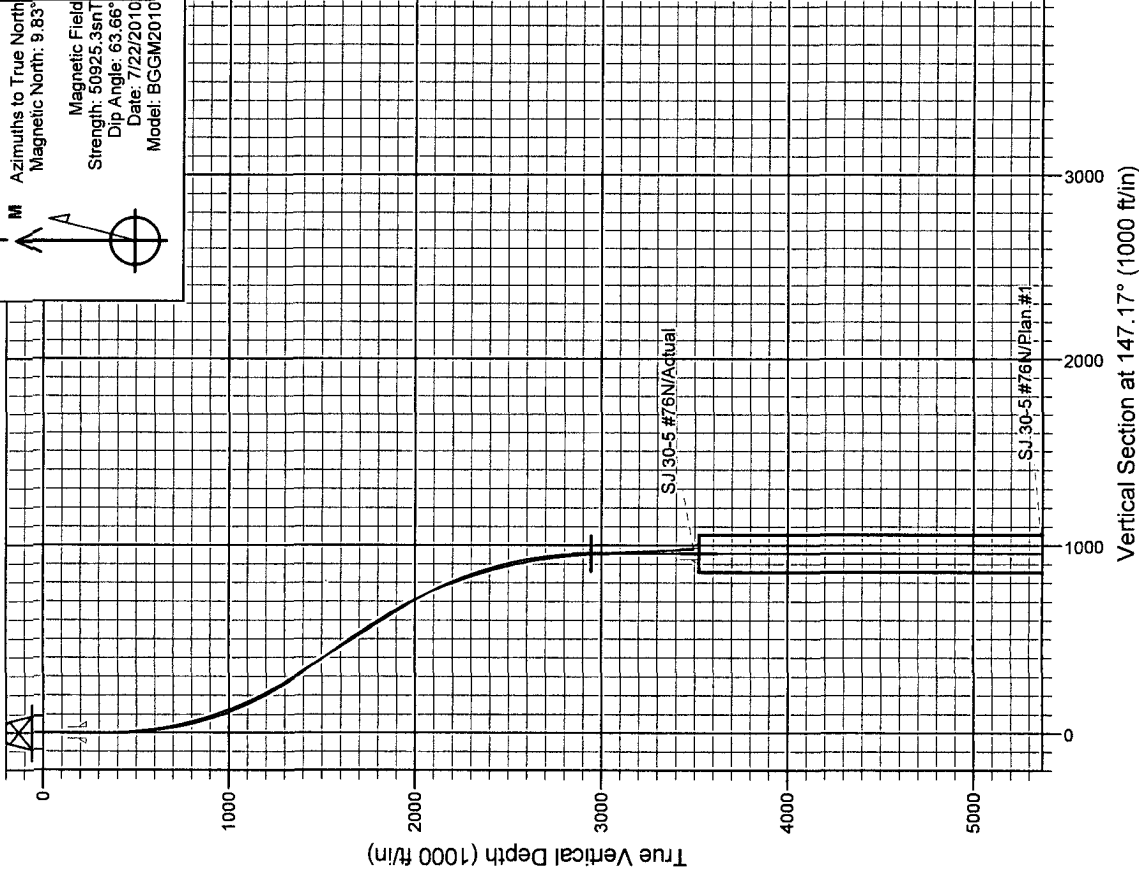
Scientific Drilling
Directional Drilling Operations

Project: SJB (NM Central)
SEC 16-T30N-R5W
Well: SJ 30-5 #76N
Wellbore: Original Hole
Design: Plan #1
Site:

ConocoPhillips



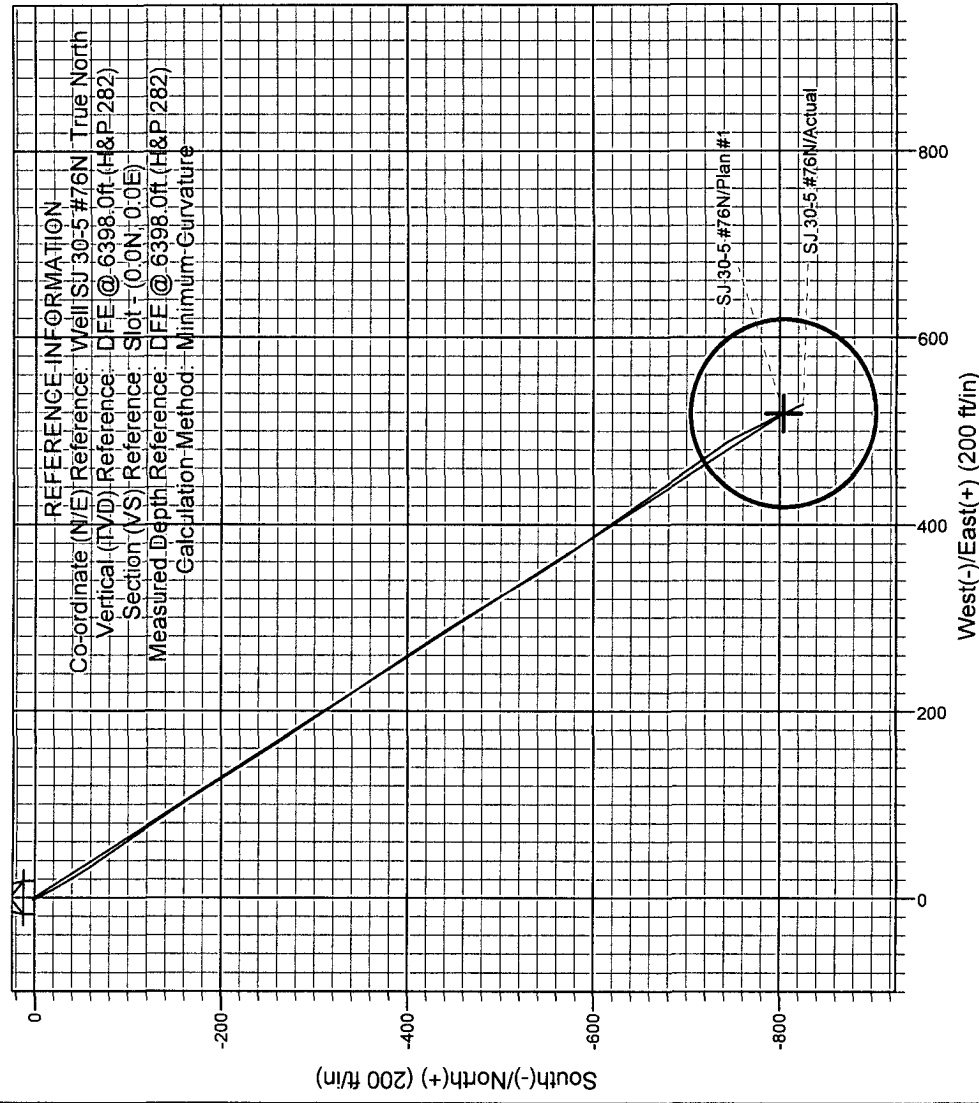
Azimuths to True North
Magnetic North: 9.83°
Magnetic Field
Strength: 50925.3nT
Dip Angle: 63.66°
Date: 7/22/2010
Model: BGGM2010



WELL DETAILS: SJ 30-5 #76N
DFE @ 6398.0ft (H&P 282)
Ground Level: 6382.0
Easting 176994.85
Northing 2118729.32
Latitude 36° 49' 3.700 N
Longitude 107° 21' 12.580 W

Slot

REFERENCE INFORMATION
Co-ordinate (N/E) Reference: Well SJ 30-5 #76N True North
Vertical (TVD) Reference: DFE @ 6398.0ft (H&P 282)
Section (VS) Reference: Slot = (0.0N, 0.0E)
Measured Depth Reference: DFE @ 6398.0ft (H&P 282)
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 (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 16-T30N-R5W
Rio Arriba County NM
Site Centre Latitude: 36° 49' 3.700 N
Longitude: 107° 21' 12.580 W
Positional Uncertainty: 0.0
Convergence: -0.66
Local North: True

Scientific Drilling International, Inc.

Survey Report

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well SJ 30-5 #76N
Project:	SJB (NM Central)	TVD Reference:	DFE @ 6398.0ft (H&P 282)
Site:	SEC 16-T30N-R5W	MD Reference:	DFE @ 6398.0ft (H&P 282)
Well:	SJ 30-5 #76N	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 16-T30N-R5W				
Site Position:		Northing:	2,118,729.32 ft	Latitude:	36° 49' 3.700 N
From:	Lat/Long	Easting:	176,994.85 ft	Longitude:	107° 21' 12.580 W
Position Uncertainty:	0.0 ft	Slot Radius:	6-1/8"	Grid Convergence:	-0.66 °

Well	SJ 30-5 #76N, S-Type MV/DK Well					
Well Position	+N/-S	0.0 ft	Northing:	2,118,729.32 ft	Latitude:	36° 49' 3.700 N
	+E/-W	0.0 ft	Easting:	176,994.85 ft	Longitude:	107° 21' 12.580 W
Position Uncertainty		3.5 ft	Wellhead Elevation:	ft	Ground Level:	6,382.0 ft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2010	7/22/2010	9.83	63.66	50,925

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	147.36	

Survey Program	Date 8/11/2010			
From	To	Survey (Wellbore)	Tool Name	Description
(ft)	(ft)			
266.0	3,715.0	Actual (Original Hole)	MWD SDI	MWD - Standard ver 1.0.1

Survey										
Measured	Inclination	Azimuth	Vertical	+N-S	+E-W	Vertical	Dogleg	Build	Turn	
Depth	(°)	(°)	Depth	(ft)	(ft)	Section	Rate	Rate	Rate	
(ft)			(ft)			(ft)	(°/100ft)	(°/100ft)	(°/100ft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
266.0	1.00	315.91	266.0	1.7	-1.6	-2.3	0.38	0.38	0.00	
328.0	0.36	264.05	328.0	2.0	-2.2	-2.9	1.33	-1.03	-83.65	
388.0	1.01	168.71	388.0	1.5	-2.3	-2.5	1.84	1.08	-158.90	
449.0	2.77	156.76	448.9	-0.4	-1.6	-0.5	2.94	2.89	-19.59	
511.0	4.91	150.95	510.8	-4.1	0.3	3.6	3.50	3.45	-9.37	
572.0	6.56	148.85	571.5	-9.3	3.4	9.7	2.73	2.70	-3.44	
632.0	7.97	152.26	631.0	-16.0	7.1	17.3	2.46	2.35	5.68	
692.0	9.88	151.28	690.3	-24.2	11.5	26.5	3.19	3.18	-1.63	
772.0	12.79	149.05	768.7	-37.8	19.3	42.2	3.68	3.64	-2.79	
862.0	15.41	146.32	856.0	-56.3	31.1	64.2	3.00	2.91	-3.03	
952.0	18.73	144.75	942.0	-78.0	46.1	90.6	3.72	3.69	-1.74	
1,043.0	21.86	145.18	1,027.4	-103.9	64.2	122.1	3.44	3.44	0.47	

Scientific Drilling International, Inc.

Survey Report

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well SJ 30-5 #76N
Project:	SJB (NM Central)	TVD Reference:	DFE @ 6398.0ft (H&P 282)
Site:	SEC 16-T30N-R5W	MD Reference:	DFE @ 6398.0ft (H&P 282)
Well:	SJ 30-5 #76N	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	24.45	145.95	1,110.1	-133.1	84.2	157.5	2.90	2.88	0.86
1,223.0	27.72	146.90	1,190.9	-166.0	106.0	197.0	3.66	3.63	1.06
1,313.0	30.72	147.86	1,269.5	-203.1	129.7	240.9	3.37	3.33	1.07
1,403.0	33.04	147.12	1,345.9	-243.1	155.3	288.5	2.61	2.58	-0.82
1,494.0	34.88	146.69	1,421.4	-285.7	183.0	339.3	2.04	2.02	-0.47
1,584.0	34.80	145.94	1,495.2	-328.5	211.5	390.7	0.48	-0.09	-0.83
1,674.0	35.35	146.12	1,568.9	-371.4	240.4	442.4	0.62	0.61	0.20
1,764.0	34.61	146.73	1,642.6	-414.4	269.0	494.0	0.91	-0.82	0.68
1,854.0	33.31	147.96	1,717.3	-456.7	296.1	544.3	1.63	-1.44	1.37
1,945.0	32.42	148.67	1,793.7	-498.7	322.0	593.7	1.07	-0.98	0.78
2,035.0	30.46	148.37	1,870.5	-538.7	346.6	640.6	2.18	-2.18	-0.33
2,125.0	29.31	145.72	1,948.5	-576.4	370.9	685.4	1.95	-1.28	-2.94
2,215.0	26.10	144.15	2,028.2	-610.6	394.9	727.2	3.66	-3.57	-1.74
2,305.0	22.64	145.20	2,110.2	-640.9	416.4	764.3	3.87	-3.84	1.17
2,396.0	19.76	145.31	2,195.0	-667.9	435.2	797.2	3.17	-3.16	0.12
2,486.0	18.62	144.30	2,280.0	-692.1	452.2	826.7	1.32	-1.27	-1.12
2,576.0	17.33	145.32	2,365.6	-714.8	468.2	854.5	1.48	-1.43	1.13
2,666.0	14.58	145.56	2,452.1	-735.2	482.3	879.2	3.06	-3.06	0.27
2,756.0	12.40	151.70	2,539.6	-753.0	493.3	900.2	2.90	-2.42	6.82
2,846.0	10.23	154.77	2,627.9	-768.8	501.3	917.7	2.50	-2.41	3.41
2,936.0	7.69	152.59	2,716.8	-781.4	507.4	931.7	2.85	-2.82	-2.42
3,026.0	5.87	150.31	2,806.1	-790.7	512.5	942.2	2.04	-2.02	-2.53
3,116.0	4.14	154.53	2,895.8	-797.6	516.2	950.1	1.96	-1.92	4.69
3,206.0	3.42	160.28	2,985.6	-803.1	518.5	955.9	0.90	-0.80	6.39
3,297.0	3.22	159.34	3,076.5	-808.0	520.3	961.0	0.23	-0.22	-1.03
3,387.0	2.57	149.18	3,166.3	-812.1	522.2	965.5	0.92	-0.72	-11.29
3,477.0	2.61	150.64	3,256.2	-815.7	524.2	969.6	0.09	0.04	1.62
3,567.0	2.56	156.13	3,346.2	-819.3	526.1	973.6	0.28	-0.06	6.10
3,715.0	2.52	159.05	3,494.0	-825.3	528.6	980.1	0.09	-0.03	1.97