

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

"AS DRILLED" PLAT

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 7 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-35072	² Pool Code 71599 / 72319	³ Pool Name BASIN DAKOTA / BLANCO MESAVERDE
⁴ Property Code 31330	⁵ Property Name SAN JUAN 32-8 UNIT	
⁷ OGRID No. 217817	⁸ Operator Name CONOCOPHILLIPS COMPANY	
		⁶ Well Number 29P
		⁹ Elevation 6660

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
O	11	31-N	8-W		769	SOUTH	1740	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
O	11	31-N	8-W		1239	SOUTH	1857	EAST	SAN JUAN

¹² Dedicated Acres 320.00 (E/2)	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.	RCVD AUG 4 '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

¹⁶ BASIS OF BEARING IS THE NEW MEXICO STATE PLANE COORDINATE SYSTEM, WEST ZONE, NAD83 AS DETERMINED BY GPS OBSERVATION AND NGS/OPUS SOLUTION.		E/2 DEDICATED ACREAGE USA SF-080854 SECTION 11, T-31-N, R-8-W		BLM 1954
				2587.9' (R) 2581.3' (M)
WELL FLAG NAD 83 LAT: 36.906438° N LONG: 107.642293° W NAD 27 LAT: 36°54.386047' N LONG: 107°38.500875' W BLM 1954		1239' 769' 1857' N 12°48'26" W 468.7' 1740' N 0°21'39" W N 0°31'39" W 2563.4' (R) 2564.0' (M) BLM 1954		BLM 1954

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 8/3/10
Signature

Crystal Tafoya

Printed Name

Staff Regulatory Tech

Title and E-mail Address

August 3, 2010

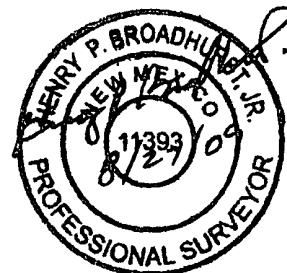
Date

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: 8/19/09

Signature and Seal of Professional Surveyor:



Certificate Number: NM 11393

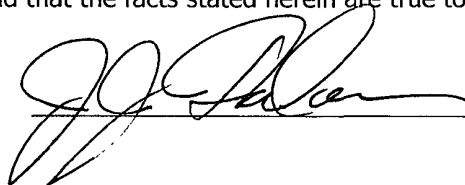
Legal WellName : SAN JUAN 32-8 UNIT #29P	API / UWI: 3004535072
Operator: CONOCOPHILLIPS COMPANY	Surf Loc: 011-031N-008W-O
St/Prov: NEW MEXICO	N/S Dist (ft): 769.00 - FSL
County: SAN JUAN	E/W Dist (ft): 1,740.00 - FEL

 RCVD 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	04/20/2010	.00	.00	.00	
Date	MD (ft)	Incl (°)	Azm (°)	Method	Survey Company
04/20/2010	129.00	.25	.00	Inc-Drop	MO-TE DRILLING INC
04/20/2010	236.00	.75	.00	Inc-Drop	MO-TE DRILLING INC
Description	Date	MD Tie In (ft)	Inclination Tie In (°)	Azimuth Tie In (°)	
DIRECTIONAL SURVEY	04/25/2010	.00	.00	.00	
Date	MD (ft)	Incl (°)	Azm (°)	Method	Survey Company
04/25/2010	.00	.00	.00	IncAzi-MWD	Scientific Drilling
04/25/2010	267.00	.66	137.44	IncAzi-MWD	Scientific Drilling
04/25/2010	329.00	.66	143.01	IncAzi-MWD	Scientific Drilling
04/25/2010	389.00	.69	136.49	IncAzi-MWD	Scientific Drilling
04/25/2010	451.00	.74	62.82	IncAzi-MWD	Scientific Drilling
04/25/2010	513.00	1.86	33.63	IncAzi-MWD	Scientific Drilling
04/25/2010	574.00	3.10	17.66	IncAzi-MWD	Scientific Drilling
04/25/2010	635.00	4.34	9.41	IncAzi-MWD	Scientific Drilling
04/25/2010	697.00	5.44	359.80	IncAzi-MWD	Scientific Drilling
04/25/2010	758.00	6.39	353.12	IncAzi-MWD	Scientific Drilling
04/25/2010	820.00	7.48	347.50	IncAzi-MWD	Scientific Drilling
04/25/2010	882.00	8.47	344.15	IncAzi-MWD	Scientific Drilling
04/25/2010	978.00	10.02	343.58	IncAzi-MWD	Scientific Drilling
04/25/2010	1,041.00	10.88	343.31	IncAzi-MWD	Scientific Drilling
04/25/2010	1,105.00	12.28	342.22	IncAzi-MWD	Scientific Drilling
04/25/2010	1,169.00	12.44	341.27	IncAzi-MWD	Scientific Drilling
04/25/2010	1,231.00	13.05	343.24	IncAzi-MWD	Scientific Drilling
04/25/2010	1,295.00	13.27	344.65	IncAzi-MWD	Scientific Drilling
04/25/2010	1,358.00	13.26	345.15	IncAzi-MWD	Scientific Drilling
04/25/2010	1,421.00	13.35	345.93	IncAzi-MWD	Scientific Drilling
04/25/2010	1,484.00	13.48	345.64	IncAzi-MWD	Scientific Drilling
04/25/2010	1,548.00	13.63	345.96	IncAzi-MWD	Scientific Drilling
04/25/2010	1,611.00	13.72	345.56	IncAzi-MWD	Scientific Drilling
04/25/2010	1,674.00	13.45	346.25	IncAzi-MWD	Scientific Drilling
04/25/2010	1,737.00	13.62	346.38	IncAzi-MWD	Scientific Drilling
04/25/2010	1,801.00	13.70	346.40	IncAzi-MWD	Scientific Drilling
04/25/2010	1,864.00	13.79	346.73	IncAzi-MWD	Scientific Drilling

04/25/2010	1,927.00	13.68	346.82	IncAzi-MWD	Scientific Drilling
04/25/2010	1,990.00	13.73	346.30	IncAzi-MWD	Scientific Drilling
04/25/2010	2,053.00	13.53	346.04	IncAzi-MWD	Scientific Drilling
04/25/2010	2,116.00	13.36	345.98	IncAzi-MWD	Scientific Drilling
04/25/2010	2,179.00	13.41	345.52	IncAzi-MWD	Scientific Drilling
04/25/2010	2,242.00	13.23	345.26	IncAzi-MWD	Scientific Drilling
04/25/2010	2,305.00	12.94	344.15	IncAzi-MWD	Scientific Drilling
04/25/2010	2,368.00	12.93	347.31	IncAzi-MWD	Scientific Drilling
04/25/2010	2,431.00	13.14	350.04	IncAzi-MWD	Scientific Drilling
04/25/2010	2,495.00	13.49	350.02	IncAzi-MWD	Scientific Drilling
04/25/2010	2,558.00	13.50	349.92	IncAzi-MWD	Scientific Drilling
04/26/2010	2,621.00	12.66	350.02	IncAzi-MWD	Scientific Drilling
04/26/2010	2,684.00	11.29	348.19	IncAzi-MWD	Scientific Drilling
04/26/2010	2,747.00	9.85	344.66	IncAzi-MWD	Scientific Drilling
04/26/2010	2,810.00	8.18	341.45	IncAzi-MWD	Scientific Drilling
04/26/2010	2,874.00	7.01	341.36	IncAzi-MWD	Scientific Drilling
04/26/2010	2,937.00	5.88	344.60	IncAzi-MWD	Scientific Drilling
04/26/2010	3,000.00	4.43	345.93	IncAzi-MWD	Scientific Drilling
04/26/2010	3,063.00	2.88	345.61	IncAzi-MWD	Scientific Drilling
04/26/2010	3,126.00	1.20	325.61	IncAzi-MWD	Scientific Drilling
04/26/2010	3,189.00	.85	284.61	IncAzi-MWD	Scientific Drilling
04/26/2010	3,251.00	.83	294.01	IncAzi-MWD	Scientific Drilling
04/26/2010	3,314.00	.96	307.06	IncAzi-MWD	Scientific Drilling
04/26/2010	3,377.00	.98	315.45	IncAzi-MWD	Scientific Drilling
04/26/2010	3,440.00	.82	310.40	IncAzi-MWD	Scientific Drilling
04/26/2010	3,503.00	.63	232.69	IncAzi-MWD	Scientific Drilling
04/26/2010	3,566.00	.89	229.24	IncAzi-MWD	Scientific Drilling
04/26/2010	3,629.00	.90	228.30	IncAzi-MWD	Scientific Drilling
04/26/2010	3,692.00	.91	237.80	IncAzi-MWD	Scientific Drilling
04/26/2010	3,761.00	1.01	242.99	IncAzi-MWD	Scientific Drilling
Description	Date	MD Tie In (ft)	Inclination Tie In (°)	Azimuth Tie In (°)	
FINAL BH SURVEY	05/04/2010	.00	.00	.00	
Date	MD (ft)	Incl (°)	Azm (°)	Method	Survey Company
05/04/2010	8,172.00	1.25	.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

Crystal L. Tafaya ☺

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 11-T31N-R8W

SJ 32-8 #29P

API # 30.04S.3S072

Original Hole

Survey: Actual

Standard Survey Report

06 May, 2010

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

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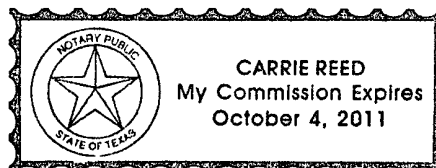
Notorized this date 1st of May, 2010.

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Notary Signature

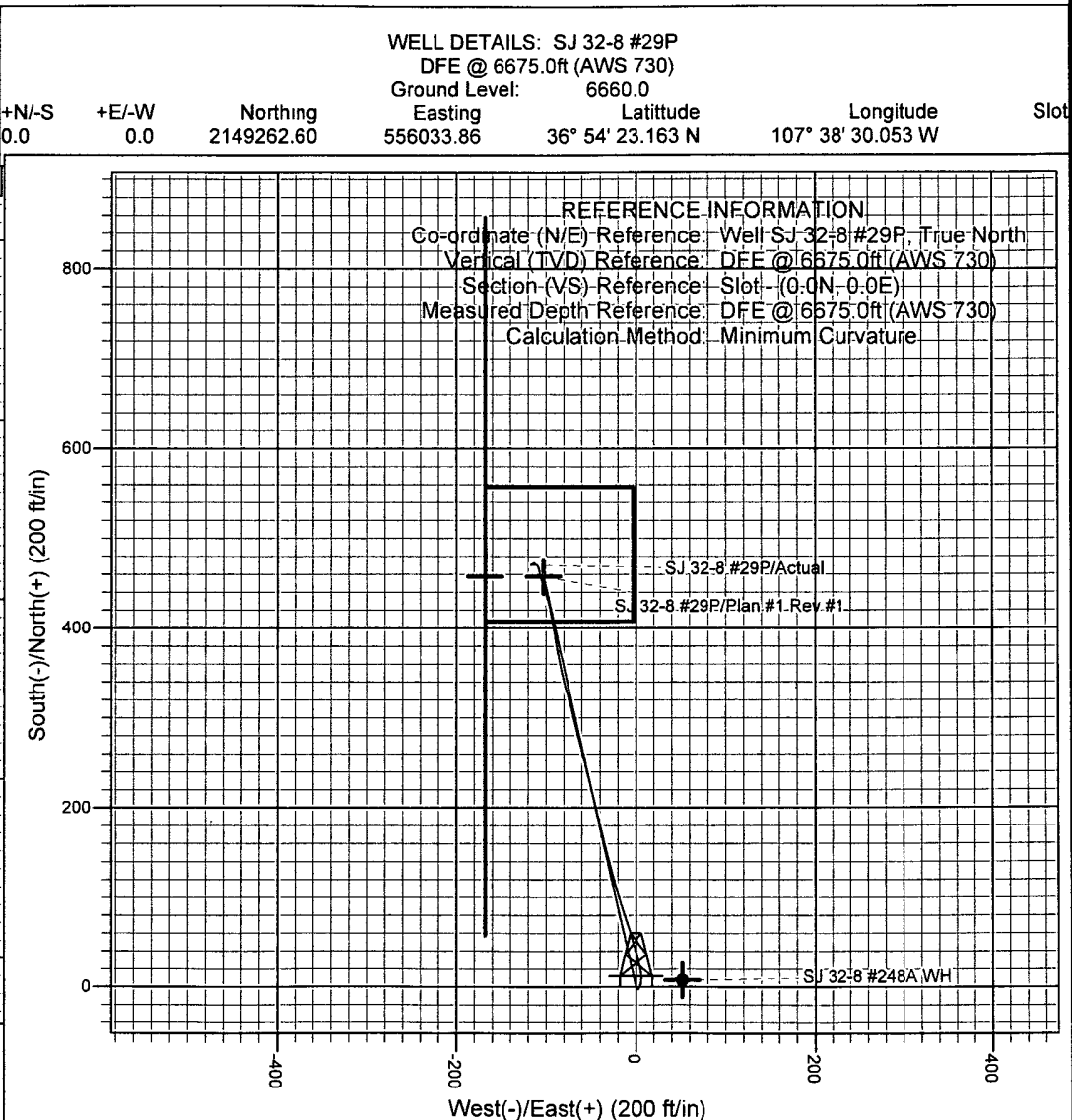
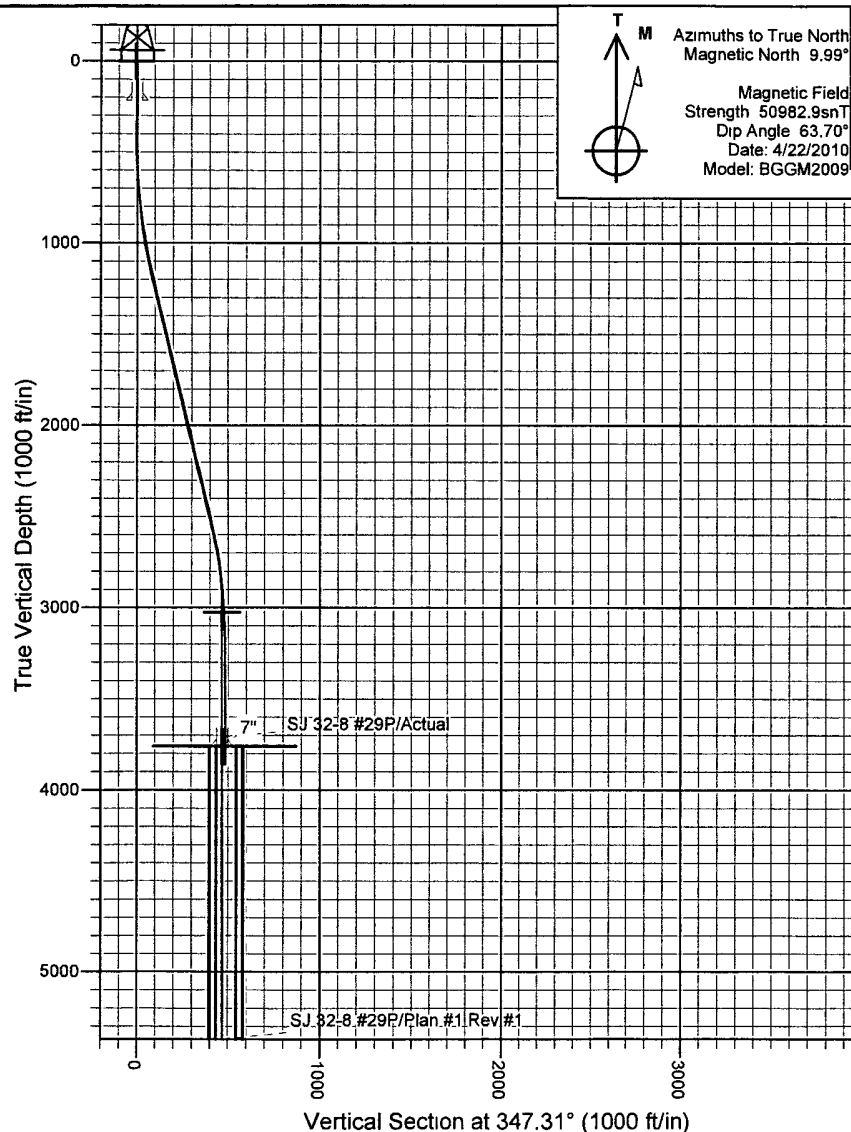
County of Midland

State of Texas





Project: SJB (NM West)
SEC 11-T31N-R8W
Well: SJ 32-8 #29P
Wellbore: Original Hole
Design: Plan #1 Rev #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 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 11-T31N-R8W
San Juan County NM
Site Centre Latitude: 36° 54' 23.163 N
Longitude: 107° 38' 30.053 W
Positional Uncertainty: 0.0
Convergence: 0.12
Local North: True

Scientific Drilling International, Inc.
Survey Report

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well SJ 32-8 #29P
Project:	SJB (NM West)	TVD Reference:	DFE @ 6675.0ft (AWS 730)
Site:	SEC 11-T31N-R8W	MD Reference:	DFE @ 6675 0ft (AWS 730)
Well:	SJ 32-8 #29P	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 11-T31N-R8W			
Site Position:		Northing:	2,149,262 60 ft	Latitude: 36° 54' 23 163 N
From:	Lat/Long	Easting:	556,033 86 ft	Longitude: 107° 38' 30 053 W
Position Uncertainty:	0.0 ft	Slot Radius:	6-1/8"	Grid Convergence: 0 12 °

Well	SJ 32-8 #29P, S-Type MV/DK Well			
Well Position	+N/-S	0.0 ft	Northing:	2,149,262 60 ft
	+E/-W	0.0 ft	Easting:	556,033.86 ft
Position Uncertainty		3.5 ft	Wellhead Elevation:	ft
			Ground Level:	6,660 0 ft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2009	4/22/2010	9.99	63.70	50,983

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	346 02

Survey Program	Date	5/6/2010		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
267.0	3,761.0	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
267 0	0.66	137.44	267 0	-1 1	1.0	-1.4	0.25	0.25	0 00
329 0	0.66	143 01	329 0	-1.7	1.5	-2 0	0 10	0.00	8 98
389.0	0.69	136.49	389.0	-2.2	2 0	-2 6	0 14	0.05	-10 87
451.0	0.74	62.82	451.0	-2 3	2 6	-2 9	1.38	0.08	-118.82
513.0	1.86	33.63	513.0	-1.3	3 5	-2 1	2.04	1.81	-47.08
574.0	3 10	17 66	573 9	1.1	4 5	0 0	2 31	2.03	-26 18
635.0	4.34	9 41	634 8	5.0	5 4	3 5	2 21	2 03	-13 52
697.0	5.44	359 80	696 6	10.2	5 8	8 5	2 21	1.77	-15.50
758.0	6 39	353 12	757 2	16 5	5 4	14 7	1.92	1.56	-10 95
820 0	7 48	347 50	818 8	23 8	4 1	22 1	2.07	1.76	-9.06
882 0	8 47	344 15	880 2	32 2	2 0	30 7	1.76	1 60	-5 40
978.0	10.02	343 58	974 9	47 0	-2 3	46.2	1 62	1 61	-0.59

Scientific Drilling International, Inc.
Survey Report

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well SJ 32-8 #29P
Project:	SJB (NM West)	TVD Reference:	DFE @ 6675 0ft (AWS 730)
Site:	SEC 11-T31N-R8W	MD Reference:	DFE @ 6675 0ft (AWS 730)
Well:	SJ 32-8 #29P	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)
1,041.0	10.88	343.31	1,036.9	57.9	-5.6	57.6	1.37	1.37	-0.43
1,105.0	12.28	342.22	1,099.6	70.2	-9.4	70.4	2.21	2.19	-1.70
1,169.0	12.44	341.27	1,162.1	83.2	-13.7	84.1	0.40	0.25	-1.48
1,231.0	13.05	343.24	1,222.6	96.2	-17.9	97.7	1.21	0.98	3.18
1,295.0	13.27	344.65	1,284.9	110.2	-21.9	112.3	0.61	0.34	2.20
1,358.0	13.26	345.15	1,346.2	124.2	-25.7	126.7	0.18	-0.02	0.79
1,421.0	13.35	345.93	1,407.5	138.2	-29.3	141.2	0.32	0.14	1.24
1,484.0	13.48	345.64	1,468.8	152.4	-32.9	155.8	0.23	0.21	-0.46
1,548.0	13.63	345.96	1,531.0	166.9	-36.5	170.8	0.26	0.23	0.50
1,611.0	13.72	345.56	1,592.2	181.4	-40.2	185.7	0.21	0.14	-0.63
1,674.0	13.45	346.25	1,653.5	195.7	-43.8	200.5	0.50	-0.43	1.10
1,737.0	13.62	346.38	1,714.7	210.1	-47.3	215.3	0.27	0.27	0.21
1,801.0	13.70	346.40	1,776.9	224.8	-50.9	230.4	0.13	0.13	0.03
1,864.0	13.79	346.73	1,838.1	239.3	-54.3	245.4	0.19	0.14	0.52
1,927.0	13.68	346.82	1,899.3	253.9	-57.8	260.3	0.18	-0.17	0.14
1,990.0	13.73	346.30	1,960.5	268.4	-61.2	275.2	0.21	0.08	-0.83
2,053.0	13.53	346.04	2,021.7	282.8	-64.8	290.1	0.33	-0.32	-0.41
2,116.0	13.36	345.98	2,083.0	297.0	-68.3	304.7	0.27	-0.27	-0.10
2,179.0	13.41	345.52	2,144.3	311.2	-71.9	319.3	0.19	0.08	-0.73
2,242.0	13.23	345.26	2,205.6	325.2	-75.6	333.8	0.30	-0.29	-0.41
2,305.0	12.94	344.15	2,267.0	339.0	-79.3	348.1	0.61	-0.46	-1.76
2,368.0	12.93	347.31	2,328.4	352.6	-82.8	362.2	1.12	-0.02	5.02
2,431.0	13.14	350.04	2,389.7	366.6	-85.6	376.4	1.03	0.33	4.33
2,495.0	13.49	350.02	2,452.0	381.1	-88.1	391.1	0.55	0.55	-0.03
2,558.0	13.50	349.92	2,513.3	395.5	-90.7	405.7	0.04	0.02	-0.16
2,621.0	12.66	350.02	2,574.6	409.6	-93.2	420.0	1.33	-1.33	0.16
2,684.0	11.29	348.19	2,636.3	422.4	-95.6	433.0	2.26	-2.17	-2.90
2,747.0	9.85	344.66	2,698.2	433.7	-98.3	444.6	2.51	-2.29	-5.60
2,810.0	8.18	341.45	2,760.4	443.1	-101.2	454.4	2.77	-2.65	-5.10
2,874.0	7.01	341.36	2,823.9	451.1	-103.9	462.9	1.83	-1.83	-0.14
2,937.0	5.88	344.60	2,886.5	457.9	-106.0	469.9	1.88	-1.79	5.14
3,000.0	4.43	345.93	2,949.2	463.3	-107.4	475.6	2.31	-2.30	2.11
3,063.0	2.88	345.61	3,012.1	467.2	-108.4	479.6	2.46	-2.46	-0.51
3,126.0	1.20	325.61	3,075.0	469.3	-109.2	481.8	2.86	-2.67	-31.75
3,189.0	0.85	284.61	3,138.0	470.0	-110.0	482.6	1.25	-0.56	-65.08
3,251.0	0.83	294.01	3,200.0	470.3	-110.8	483.1	0.22	-0.03	15.16
3,314.0	0.96	307.06	3,263.0	470.8	-111.7	483.8	0.38	0.21	20.71
3,377.0	0.98	315.45	3,326.0	471.5	-112.5	484.7	0.23	0.03	13.32
3,440.0	0.82	310.40	3,389.0	472.2	-113.2	485.5	0.28	-0.25	-8.02
3,503.0	0.63	232.69	3,452.0	472.2	-113.8	485.7	1.46	-0.30	-123.35
3,566.0	0.89	229.24	3,515.0	471.7	-114.5	485.4	0.42	0.41	-5.48
3,629.0	0.90	228.30	3,578.0	471.1	-115.2	484.9	0.03	0.02	-1.49
3,692.0	0.91	237.80	3,641.0	470.5	-116.0	484.6	0.24	0.02	15.08
3,761.0	1.01	242.99	3,710.0	469.9	-117.0	484.2	0.19	0.14	7.52