

'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

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

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

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30870	² Pool Code 72319 / 71599	³ Pool Name BLANCO MESAVERDE / BASIN DAKOTA
⁴ Property Code 7469	⁵ Property Name SAN JUAN 30-6 UNIT	⁶ Well Number 86 B
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6848'

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	36	30N	7W		277'	SOUTH	1268'	EAST	RIO ARRIBA

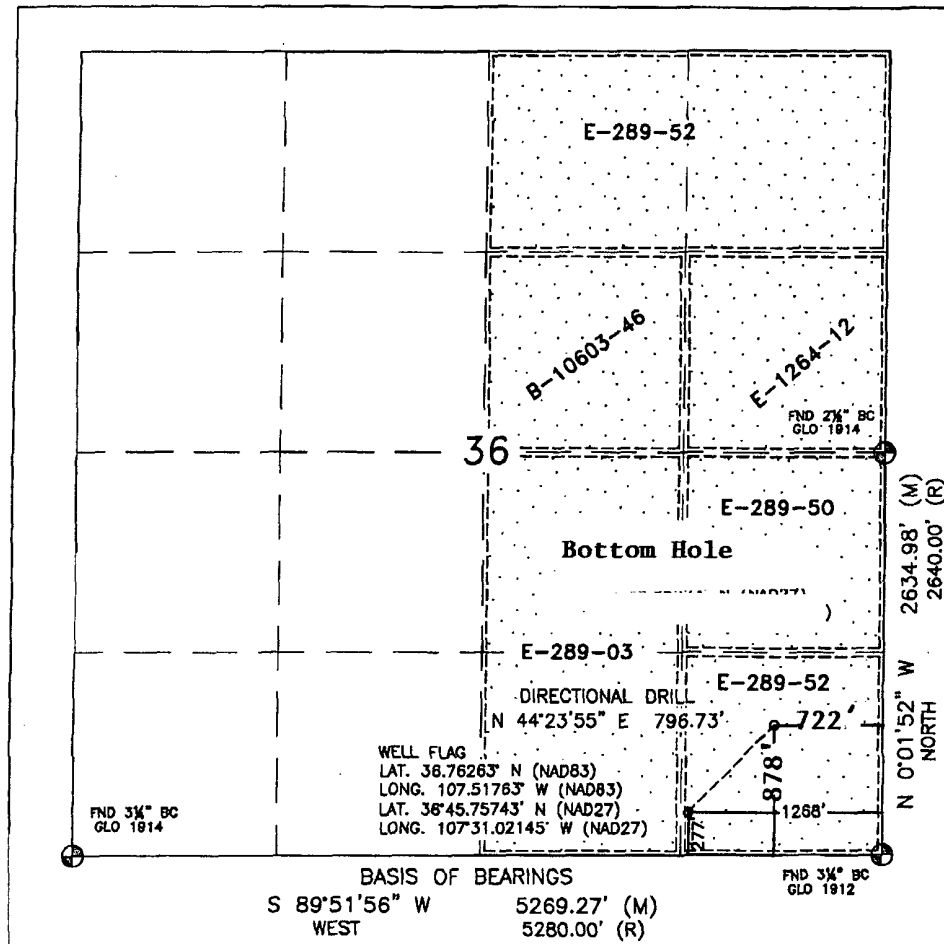
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	36	30N	7W		878'	SOUTH	722'	EAST	RIO ARRIBA

¹² Dedicated Acres 320.00 ACRES - E/2	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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

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 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 11/13/10
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.

OCTOBER 1, 2009

Date of Survey

Signature and Seal of Professional Surveyor:

David R. Russell



DAVID RUSSELL
Certificate Number 10201

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



COP Deviation Report
SAN JUAN 30-6 UNIT #86B

Operator BURLINGTON RESOURCES OIL & GAS COMPANY LP	Legal WellName SAN JUAN 30-6 UNIT #86B	API / UWI 3003930870	County RIO ARRIBA	State/Province NEW MEXICO
Surface Legal Location 036-030N-007W-P	N/S Dist (ft) 277.00	N/S Ref FSL	E/W Dist (ft) 1,268.00	E/W Ref FEL

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
8/18/2010	130.00	0.50	Inc-Drop	MOTE
8/18/2010	250.00	1.00	Inc-Drop	MOTE
8/18/2010	390.00	1.25	Inc-Drop	MOTE
10/3/2010	415.00	0.47	IncAzi-MWD	Scientific Drilling
10/3/2010	477.00	1.05	IncAzi-MWD	Scientific Drilling
10/3/2010	538.00	2.89	IncAzi-MWD	Scientific Drilling
10/3/2010	599.00	5.25	IncAzi-MWD	Scientific Drilling
10/3/2010	661.00	7.77	IncAzi-MWD	Scientific Drilling
10/3/2010	722.00	9.46	IncAzi-MWD	Scientific Drilling
10/3/2010	816.00	12.78	IncAzi-MWD	Scientific Drilling
10/3/2010	906.00	16.62	IncAzi-MWD	Scientific Drilling
10/3/2010	996.00	19.63	IncAzi-MWD	Scientific Drilling
10/3/2010	1,086.00	22.63	IncAzi-MWD	Scientific Drilling
10/3/2010	1,176.00	25.70	IncAzi-MWD	Scientific Drilling
10/3/2010	1,267.00	27.56	IncAzi-MWD	Scientific Drilling
10/3/2010	1,357.00	28.57	IncAzi-MWD	Scientific Drilling
10/3/2010	1,447.00	29.70	IncAzi-MWD	Scientific Drilling
10/3/2010	1,537.00	29.16	IncAzi-MWD	Scientific Drilling
10/3/2010	1,628.00	28.52	IncAzi-MWD	Scientific Drilling
10/3/2010	1,718.00	28.62	IncAzi-MWD	Scientific Drilling
10/3/2010	1,808.00	29.18	IncAzi-MWD	Scientific Drilling
10/3/2010	1,898.00	29.94	IncAzi-MWD	Scientific Drilling
10/3/2010	1,988.00	30.43	IncAzi-MWD	Scientific Drilling
10/3/2010	2,079.00	28.94	IncAzi-MWD	Scientific Drilling
10/3/2010	2,169.00	25.90	IncAzi-MWD	Scientific Drilling
10/4/2010	2,259.00	22.16	IncAzi-MWD	Scientific Drilling
10/4/2010	2,349.00	18.90	IncAzi-MWD	Scientific Drilling
10/4/2010	2,439.00	16.38	IncAzi-MWD	Scientific Drilling
10/4/2010	2,529.00	13.88	IncAzi-MWD	Scientific Drilling
10/4/2010	2,619.00	10.52	IncAzi-MWD	Scientific Drilling
10/4/2010	2,709.00	7.59	IncAzi-MWD	Scientific Drilling
10/4/2010	2,799.00	5.57	IncAzi-MWD	Scientific Drilling
10/4/2010	2,889.00	3.12	IncAzi-MWD	Scientific Drilling
10/4/2010	2,979.00	2.16	IncAzi-MWD	Scientific Drilling
10/4/2010	3,069.00	2.39	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 _____

RCVD NOV 19 '10
OIL CONS. DIV.

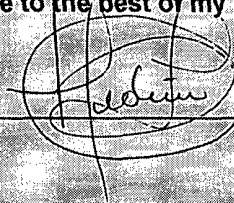
DIST. 3

Notary Public in and for San Juan County, New Mexico

My Commission expires _____

Survey Data					
Date	MD (ftKB)	Incl (°)	Method	Survey Company	
10/4/2010	3,159.00	2.32	IncAzi-MWD	Scientific Drilling	
10/4/2010	3,249.00	0.95	IncAzi-MWD	Scientific Drilling	
10/4/2010	3,339.00	0.83	IncAzi-MWD	Scientific Drilling	
10/4/2010	3,430.00	0.88	IncAzi-MWD	Scientific Drilling	
10/4/2010	3,520.00	0.91	IncAzi-MWD	Scientific Drilling	
10/4/2010	3,601.00	1.01	IncAzi-MWD	Scientific Drilling	
10/5/2010	3,700.00	1.13	IncAzi-MWD	Scientific Drilling	
10/5/2010	3,790.00	1.98	IncAzi-MWD	Scientific Drilling	
10/5/2010	3,970.00	2.55	IncAzi-MWD	Scientific Drilling	
10/5/2010	4,060.00	2.59	IncAzi-MWD	Scientific Drilling	
10/5/2010	4,113.00	2.46	IncAzi-MWD	Scientific Drilling	
11/8/2010	8,400.00	1.00	Inc-WL	Phoenix Services LLC	

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 11/18/2010



Notary Public in and for San Juan County, New Mexico

My Commission expires 2/8/2012

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

ConocoPhillips

SJB (NM Central)
SEC 36-T30N-R7W
SJ 30-6 #86B

API# 3003930870

Original Hole

Survey: Actual

Standard Survey Report

04 November, 2010

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

Richardson

Notorized this date 4th of November, 2010.

Carrie Reed

Notary Signature
County of Midland
State of Texas



Scientific Drilling International, Inc.

Survey Report

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well SJ 30-6 #86B
Project:	SJB (NM Central)	TVD Reference:	H&P 282 @ 6864.0ft (DF 16' + GL 6848')
Site:	SEC 36-T30N-R7W	MD Reference:	H&P 282 @ 6864.0ft (DF 16' + GL 6848')
Well:	SJ 30-6 #86B	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 36-T30N-R7W			
Site Position:		Northing:	2,099,273.50 ft	Latitude: 36° 45' 45.446 N
From:	Lat/Long	Easting:	128,860.25 ft	Longitude: 107° 31' 1.287 W
Position Uncertainty:	15.0 ft	Slot Radius:	6-1/8"	Grid Convergence: -0.76 °

Well	SJ 30-6 #86B, S-Type MV/DK Well			
Well Position	+N/-S	0.0 ft	Northing:	2,099,273.50 ft
	+E/-W	0.0 ft	Easting:	128,860.25 ft
Position Uncertainty		3.5 ft	Wellhead Elevation:	ft
			Ground Level:	6,848.0 ft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2010	9/2/2010	9.88	63.58	50,857

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	42.28

Survey Program	Date	11/4/2010		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
415.0	4,113.0	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	
415.0	0.47	47.77	415.0	1.1	1.3	1.7	0.11	0.11	0.00	
477.0	1.05	53.97	477.0	1.6	1.9	2.5	0.94	0.94	10.00	
538.0	2.89	44.48	538.0	3.1	3.4	4.6	3.05	3.02	-15.56	
599.0	5.25	40.03	598.8	6.3	6.3	8.9	3.90	3.87	-7.30	
661.0	7.77	38.90	660.4	11.7	10.8	15.9	4.07	4.06	-1.82	
722.0	9.46	41.48	720.7	18.7	16.7	25.1	2.84	2.77	4.23	
816.0	12.78	45.16	812.9	31.8	29.2	43.2	3.61	3.53	3.91	
906.0	16.62	48.19	900.0	47.4	45.8	65.9	4.35	4.27	3.37	
996.0	19.63	46.84	985.5	66.4	66.5	93.8	3.38	3.34	-1.50	
1,086.0	22.63	46.40	1,069.4	88.7	90.0	126.2	3.34	3.33	-0.49	
1,176.0	25.70	46.17	1,151.5	114.1	116.6	162.9	3.41	3.41	-0.26	
1,267.0	27.56	45.30	1,232.9	142.6	145.9	203.6	2.09	2.04	-0.96	

Scientific Drilling International, Inc.

Survey Report

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well SJ 30-6 #86B
Project:	SJB (NM Central)	TVD Reference:	H&P 282 @ 6864.0ft (DF 16' + GL 6848')
Site:	SEC 36-T30N-R7W	MD Reference:	H&P 282 @ 6864.0ft (DF 16' + GL 6848')
Well:	SJ 30-6 #86B	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)
1,357.0	28.57	46.07	1,312.3	172.2	176.1	245.9	1.19	1.12	0.86
1,447.0	29.70	46.63	1,390.9	202.4	207.9	289.6	1.29	1.26	0.62
1,537.0	29.16	44.65	1,469.3	233.3	239.5	333.7	1.24	-0.60	-2.20
1,628.0	28.52	41.46	1,549.0	265.4	269.4	377.6	1.83	-0.70	-3.51
1,718.0	28.62	41.63	1,628.0	297.6	298.0	420.6	0.14	0.11	0.19
1,808.0	29.18	41.08	1,706.8	330.2	326.7	464.1	0.69	0.62	-0.61
1,898.0	29.94	41.19	1,785.1	363.7	355.9	508.5	0.85	0.84	0.12
1,988.0	30.43	40.42	1,862.9	397.9	385.5	553.8	0.69	0.54	-0.86
2,079.0	28.94	41.46	1,942.0	432.0	415.0	598.8	1.73	-1.64	1.14
2,169.0	25.90	44.79	2,021.9	462.3	443.3	640.2	3.78	-3.38	3.70
2,259.0	22.16	42.30	2,104.0	488.8	468.6	676.9	4.30	-4.16	-2.77
2,349.0	18.90	42.49	2,188.3	512.1	489.9	708.4	3.62	-3.62	0.21
2,439.0	16.38	40.81	2,274.1	532.4	508.0	735.7	2.86	-2.80	-1.87
2,529.0	13.88	40.48	2,361.0	550.2	523.3	759.2	2.78	-2.78	-0.37
2,619.0	10.52	37.20	2,448.9	565.0	535.3	778.1	3.81	-3.73	-3.64
2,709.0	7.59	42.81	2,537.8	575.9	544.3	792.3	3.40	-3.26	6.23
2,799.0	5.57	48.45	2,627.2	583.2	551.6	802.6	2.35	-2.24	6.27
2,889.0	3.12	42.92	2,716.9	587.9	556.5	809.4	2.76	-2.72	-6.14
2,979.0	2.16	35.83	2,806.8	591.0	559.2	813.5	1.12	-1.07	-7.88
3,069.0	2.39	32.26	2,896.8	594.0	561.2	817.0	0.30	0.26	-3.97
3,159.0	2.32	33.96	2,986.7	597.1	563.2	820.7	0.11	-0.08	1.89
3,249.0	0.95	25.28	3,076.6	599.3	564.5	823.2	1.54	-1.52	-9.64
3,339.0	0.83	225.86	3,166.6	599.5	564.4	823.2	1.95	-0.13	-177.13
3,430.0	0.88	221.40	3,257.6	598.5	563.5	821.9	0.09	0.05	-4.90
3,520.0	0.91	218.10	3,347.6	597.4	562.6	820.5	0.07	0.03	-3.67
3,601.0	1.01	220.70	3,428.6	596.4	561.7	819.1	0.13	0.12	3.21
3,700.0	1.13	227.23	3,527.6	595.1	560.4	817.3	0.17	0.12	6.60
3,790.0	1.98	285.86	3,617.6	594.9	558.3	815.7	1.88	0.94	65.14
3,970.0	2.55	300.21	3,797.4	597.8	551.8	813.5	0.44	0.32	7.97
4,060.0	2.59	294.87	3,887.3	599.6	548.2	812.5	0.27	0.04	-5.93
4,113.0	2.46	295.42	3,940.3	600.6	546.1	811.8	0.25	-0.25	1.04



Scientific Drilling
Directional Drilling Operations

Project: SJB (NM Central)
Site: SEC 36-T30N-R7W
Well: SJ 30-6 #86B
Wellbore: Original Hole
Design: Plan #1

ConocoPhillips

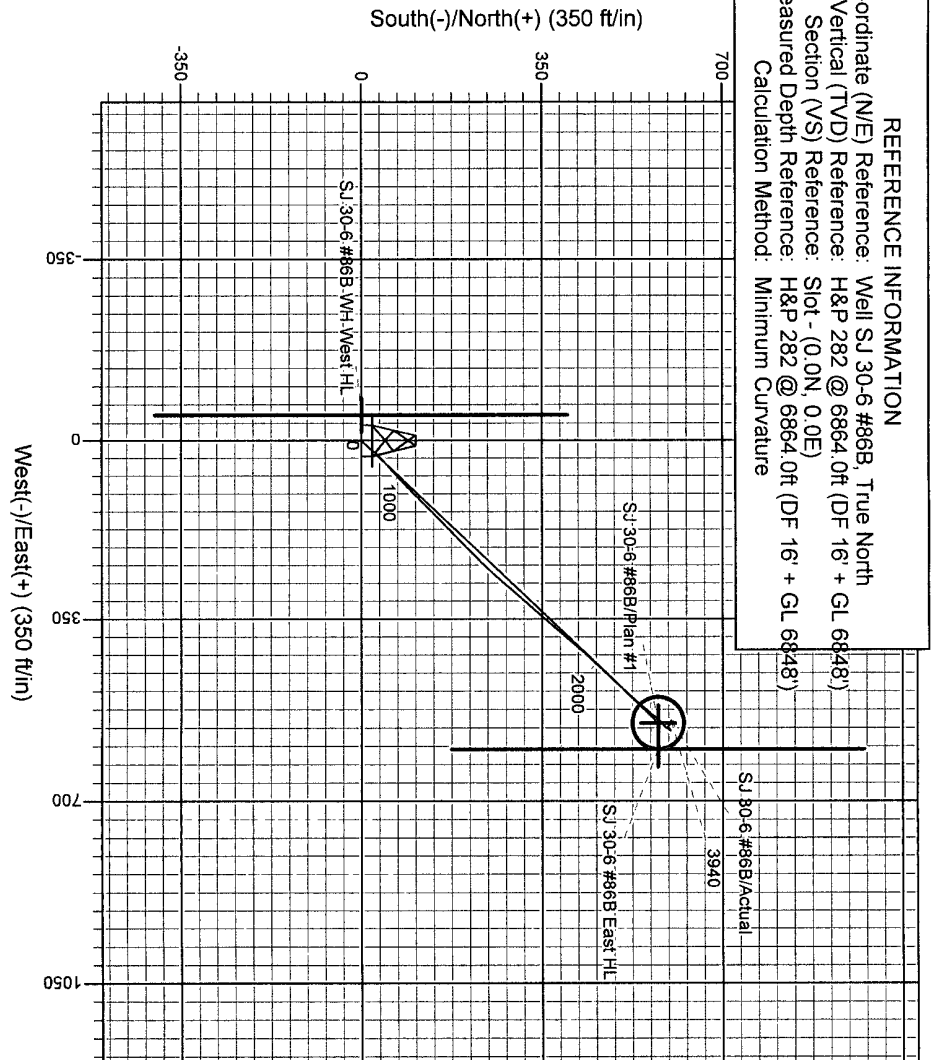
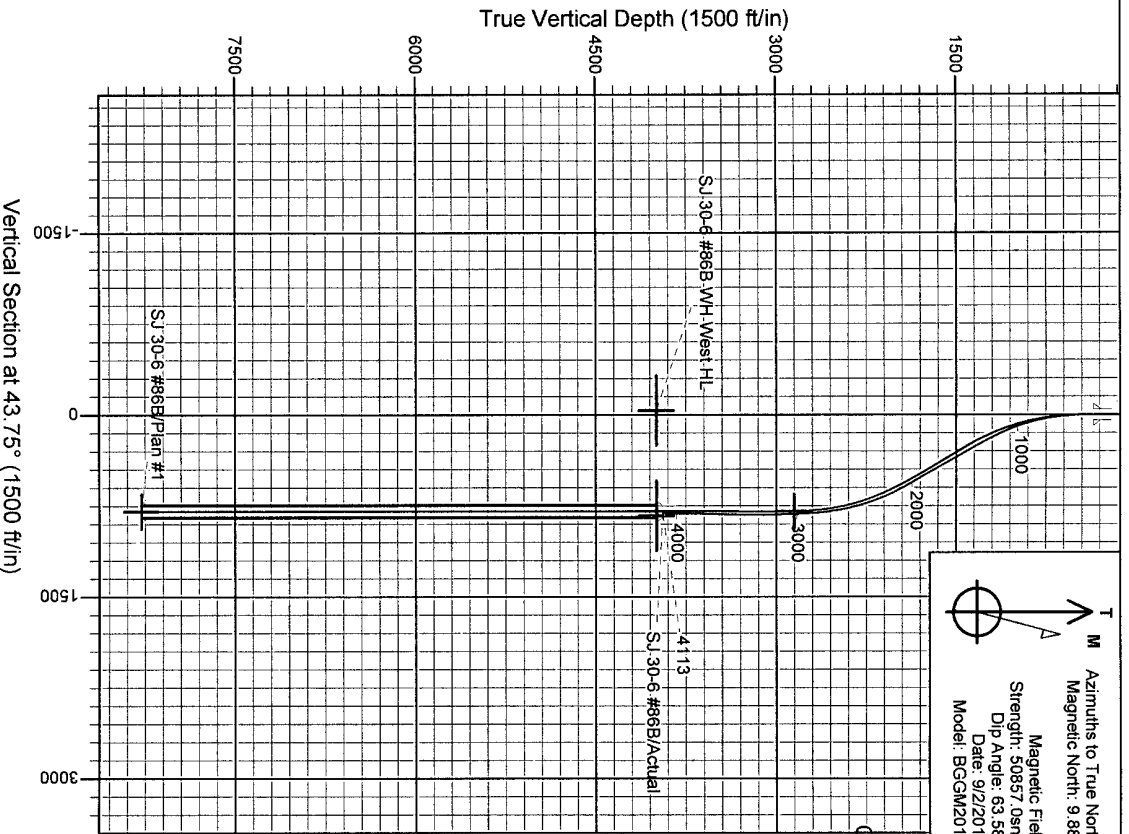
Azimuths to True North
Magnetic North: 9.88°
Magnetic Field
Strength: 50857.0nT
Dip Angle: 63.58°
Date: 9/2/2010
Model: BGM2010

+N/-S
+E/-W
Northing
Easting

WELL DETAILS: SJ 30-6 #86B
H&P 282 @ 6864.0ft (DF 16' + GL 6848')
Ground Level: 6848.0
Latitude
Longitude

107° 31' 1.287 W

Slot



REFERENCE INFORMATION
Coordinate (N/E) Reference: Well SJ 30-6 #86B, True North
Vertical (TVD) Reference: H&P 282 @ 6864.0ft (DF 16' + GL 6848')
Section (VS) Reference: Slot - (0.0N, 0.0E)
Measured Depth Reference: H&P 282 @ 6864.0ft (DF 16' + GL 6848')
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 36-T30N-R7W
Rio Arriba County NM
Site Centre Latitude: 36° 45' 45.446 N
Longitude: 107° 31' 1.287 W
Positional Uncertainty: 7.5
Convergence: -0.76
Local North: True