

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 30-039-30720		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 85M
⁷ OGRID No. 217817		⁸ Operator Name CONOCOPHILLIPS COMPANY			⁹ Elevation 7382

¹⁰ SURFACE LOCATION

UL or lot no. F	Section 36	Township 30-N	Range 5-W	Lot Idn	Feet from the 2096	North/South line NORTH	Feet from the 2168	East/West line WEST	County RIO ARRIBA
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. D	Section 36	Township 30-N	Range 5-W	Lot Idn	Feet from the 1066	North/South line NORTH	Feet from the 1173	East/West line WEST	County RIO ARRIBA
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¹² Dedicated Acres 320.00 (W/2)	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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RCVD JUN 23 '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

¹⁶ GLO 1916 S 89°36'14" W S 89°54' W 2639.0' (M) 2640.0' (R)		4456.3' (M) 4458.3' (R)		GLO 1916	
1173'		1066'			
NM-E-347-34		N 44°12'20" W 1749.8'		2096'	
E 0'24'58" E N 0'03' E		2168'		WELL FLAG NAD 83 LAT: 36.770650° N LONG: 107.310318° W NAD 27 LAT: 36°46.238604' N LONG: 107°18.583058' W	
GLO 1916		W/2 DEDICATED ACREAGE NM-E-347-46 SECTION 36, T-30-N, R-5-W			
				GLO 1916	

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 6/14/10
Signature

Printed Name

Regulatory Technician

Title and E-mail Address

June 14, 2010

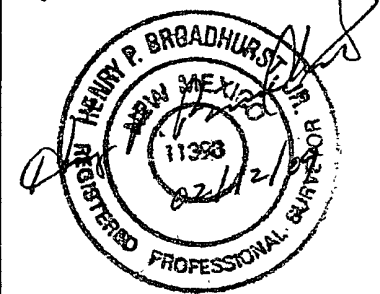
Date

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: 2/2/09

Signature and Seal of Professional Surveyor:



Certificate Number: NM 11393



COP Deviation Report

SAN JUAN 30-5 UNIT #85M

Operator CONOCOPHILLIPS COMPANY	Legal WellName SAN JUAN 30-5 UNIT #85M	API / UWI 3003930720	County RIO ARRIBA	State/Province NEW MEXICO
Surface Legal Location 036-030N-005W-F	N/S Dist (ft) 2,096.00	N/S Ref FNL	E/W Dist (ft) 2,168.00	E/W Ref FWL

Survey Data				
Date	MD (ftKB)	Incl (°)	Method	Survey Company
10/17/2009	0.00	0.00	MWD	Scientific Drilling
7/23/2009	130.00	0.50	Inc-Drop	MOTE
7/23/2009	230.00	0.75	Inc-Drop	MOTE
10/17/2009	270.00	0.86	MWD	Scientific Drilling
10/17/2009	301.00	0.83	MWD	Scientific Drilling
10/17/2009	331.00	1.31	MWD	Scientific Drilling
10/17/2009	362.00	2.19	MWD	Scientific Drilling
10/17/2009	393.00	3.26	MWD	Scientific Drilling
10/17/2009	424.00	3.87	MWD	Scientific Drilling
10/17/2009	455.00	4.35	MWD	Scientific Drilling
10/17/2009	486.00	5.02	MWD	Scientific Drilling
10/17/2009	517.00	5.86	MWD	Scientific Drilling
10/17/2009	548.00	6.59	MWD	Scientific Drilling
10/17/2009	579.00	7.10	MWD	Scientific Drilling
10/17/2009	609.00	7.57	MWD	Scientific Drilling
10/17/2009	640.00	8.13	MWD	Scientific Drilling
10/17/2009	671.00	8.74	MWD	Scientific Drilling
10/17/2009	702.00	9.13	MWD	Scientific Drilling
10/17/2009	733.00	9.66	MWD	Scientific Drilling
10/17/2009	764.00	10.02	MWD	Scientific Drilling
10/17/2009	799.00	10.55	MWD	Scientific Drilling
10/17/2009	830.00	10.64	MWD	Scientific Drilling
10/17/2009	862.00	11.19	MWD	Scientific Drilling
10/17/2009	893.00	11.71	MWD	Scientific Drilling
10/17/2009	925.00	11.96	MWD	Scientific Drilling
10/17/2009	957.00	12.37	MWD	Scientific Drilling
10/17/2009	988.00	12.91	MWD	Scientific Drilling
10/17/2009	1,020.00	13.36	MWD	Scientific Drilling
10/17/2009	1,052.00	14.11	MWD	Scientific Drilling
10/17/2009	1,084.00	14.98	MWD	Scientific Drilling
10/17/2009	1,116.00	15.82	MWD	Scientific Drilling
10/17/2009	1,148.00	16.51	MWD	Scientific Drilling
10/17/2009	1,180.00	17.09	MWD	Scientific Drilling
10/17/2009	1,212.00	17.70	MWD	Scientific Drilling
10/17/2009	1,244.00	18.05	MWD	Scientific Drilling
10/17/2009	1,275.00	18.82	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 _____



COP Deviation Report
SAN JUAN 30-5 UNIT #85M

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
10/17/2009	1,307.00	19.34	MWD	Scientific Drilling
10/17/2009	1,340.00	20.09	MWD	Scientific Drilling
10/17/2009	1,371.00	20.44	MWD	Scientific Drilling
10/17/2009	1,403.00	21.04	MWD	Scientific Drilling
10/17/2009	1,434.00	21.52	MWD	Scientific Drilling
10/17/2009	1,466.00	21.97	MWD	Scientific Drilling
10/17/2009	1,498.00	22.65	MWD	Scientific Drilling
10/17/2009	1,530.00	23.29	MWD	Scientific Drilling
10/17/2009	1,561.00	24.04	MWD	Scientific Drilling
10/17/2009	1,593.00	25.13	MWD	Scientific Drilling
10/17/2009	1,625.00	25.25	MWD	Scientific Drilling
10/17/2009	1,656.00	25.30	MWD	Scientific Drilling
10/17/2009	1,688.00	25.59	MWD	Scientific Drilling
10/17/2009	1,720.00	25.59	MWD	Scientific Drilling
10/17/2009	1,752.00	25.75	MWD	Scientific Drilling
10/17/2009	1,784.00	25.93	MWD	Scientific Drilling
10/17/2009	1,815.00	25.83	MWD	Scientific Drilling
10/17/2009	1,847.00	26.10	MWD	Scientific Drilling
10/17/2009	1,878.00	25.72	MWD	Scientific Drilling
10/17/2009	1,910.00	25.57	MWD	Scientific Drilling
10/17/2009	1,942.00	25.87	MWD	Scientific Drilling
10/17/2009	1,973.00	25.89	MWD	Scientific Drilling
10/17/2009	2,004.00	25.97	MWD	Scientific Drilling
10/17/2009	2,036.00	25.37	MWD	Scientific Drilling
10/17/2009	2,068.00	24.29	MWD	Scientific Drilling
10/17/2009	2,099.00	24.01	MWD	Scientific Drilling
10/17/2009	2,130.00	24.04	MWD	Scientific Drilling
10/17/2009	2,162.00	24.40	MWD	Scientific Drilling
10/17/2009	2,194.00	24.77	MWD	Scientific Drilling
10/17/2009	2,226.00	24.94	MWD	Scientific Drilling
10/17/2009	2,258.00	25.34	MWD	Scientific Drilling
10/17/2009	2,290.00	24.74	MWD	Scientific Drilling
10/17/2009	2,321.00	24.96	MWD	Scientific Drilling
10/18/2009	2,353.00	24.11	MWD	Scientific Drilling
10/18/2009	2,384.00	23.68	MWD	Scientific Drilling
10/18/2009	2,416.00	23.33	MWD	Scientific Drilling
10/18/2009	2,447.00	23.36	MWD	Scientific Drilling
10/18/2009	2,478.00	23.14	MWD	Scientific Drilling
10/18/2009	2,510.00	22.78	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 _____



COP Deviation Report
SAN JUAN 30-5 UNIT #85M

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
10/18/2009	2,541.00	22 41	MWD	Scientific Drilling
10/18/2009	2,573.00	22 52	MWD	Scientific Drilling
10/18/2009	2,605.00	22.25	MWD	Scientific Drilling
10/18/2009	2,637.00	22.37	MWD	Scientific Drilling
10/18/2009	2,668.00	23 17	MWD	Scientific Drilling
10/18/2009	2,700.00	23 01	MWD	Scientific Drilling
10/18/2009	2,732.00	23.69	MWD	Scientific Drilling
10/18/2009	2,764.00	24.39	MWD	Scientific Drilling
10/18/2009	2,796.00	25 47	MWD	Scientific Drilling
10/18/2009	2,827.00	25.61	MWD	Scientific Drilling
10/18/2009	2,859.00	25 36	MWD	Scientific Drilling
10/18/2009	2,891.00	25.12	MWD	Scientific Drilling
10/18/2009	2,922.00	25.20	MWD	Scientific Drilling
10/18/2009	2,954.00	24.95	MWD	Scientific Drilling
10/18/2009	2,985.00	24 44	MWD	Scientific Drilling
10/18/2009	3,016.00	24 07	MWD	Scientific Drilling
10/18/2009	3,048.00	24.09	MWD	Scientific Drilling
10/18/2009	3,079.00	24.95	MWD	Scientific Drilling
10/18/2009	3,111.00	25.21	MWD	Scientific Drilling
10/18/2009	3,143.00	25 41	MWD	Scientific Drilling
10/18/2009	3,174.00	25.16	MWD	Scientific Drilling
10/18/2009	3,206.00	25.12	MWD	Scientific Drilling
10/18/2009	3,237.00	25.19	MWD	Scientific Drilling
10/18/2009	3,269.00	25 28	MWD	Scientific Drilling
10/18/2009	3,301.00	25.23	MWD	Scientific Drilling
10/18/2009	3,332.00	24.93	MWD	Scientific Drilling
10/18/2009	3,364.00	24.69	MWD	Scientific Drilling
10/18/2009	3,395.00	24.42	MWD	Scientific Drilling
10/18/2009	3,427.00	24.07	MWD	Scientific Drilling
10/18/2009	3,458.00	23 87	MWD	Scientific Drilling
10/18/2009	3,490.00	23.86	MWD	Scientific Drilling
10/18/2009	3,522.00	24.04	MWD	Scientific Drilling
10/18/2009	3,554.00	23.72	MWD	Scientific Drilling
10/18/2009	3,586.00	23.65	MWD	Scientific Drilling
10/18/2009	3,617.00	23.32	MWD	Scientific Drilling
10/18/2009	3,649.00	23.03	MWD	Scientific Drilling
10/18/2009	3,680.00	22 95	MWD	Scientific Drilling
10/18/2009	3,712.00	22 95	MWD	Scientific Drilling
10/18/2009	3,743.00	22.66	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 _____

COP Deviation Report
SAN JUAN 30-5 UNIT #85M

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
10/18/2009	3,775.00	22.84	MWD	Scientific Drilling
10/18/2009	3,807.00	23.18	MWD	Scientific Drilling
10/18/2009	3,839.00	23.32	MWD	Scientific Drilling
10/18/2009	3,871.00	23.36	MWD	Scientific Drilling
10/18/2009	3,902.00	23.34	MWD	Scientific Drilling
10/18/2009	3,934.00	23.24	MWD	Scientific Drilling
10/18/2009	3,966.00	22.55	MWD	Scientific Drilling
10/18/2009	3,998.00	21.43	MWD	Scientific Drilling
10/18/2009	4,030.00	20.27	MWD	Scientific Drilling
10/18/2009	4,062.00	20.17	MWD	Scientific Drilling
10/18/2009	4,093.00	18.96	MWD	Scientific Drilling
10/19/2009	4,124.00	18.48	MWD	Scientific Drilling
10/19/2009	4,157.00	18.11	MWD	Scientific Drilling
10/19/2009	4,188.00	17.80	MWD	Scientific Drilling
10/19/2009	4,220.00	16.84	MWD	Scientific Drilling
10/19/2009	4,252.00	15.17	MWD	Scientific Drilling
10/19/2009	4,284.00	13.34	MWD	Scientific Drilling
10/19/2009	4,315.00	12.05	MWD	Scientific Drilling
10/19/2009	4,347.00	11.25	MWD	Scientific Drilling
10/19/2009	4,379.00	10.67	MWD	Scientific Drilling
10/19/2009	4,411.00	10.58	MWD	Scientific Drilling
10/19/2009	4,443.00	10.74	MWD	Scientific Drilling
10/19/2009	4,474.00	9.69	MWD	Scientific Drilling
10/19/2009	4,506.00	7.98	MWD	Scientific Drilling
10/19/2009	4,538.00	7.21	MWD	Scientific Drilling
10/19/2009	4,569.00	6.82	MWD	Scientific Drilling
10/19/2009	4,601.00	6.40	MWD	Scientific Drilling
10/19/2009	4,633.00	5.32	MWD	Scientific Drilling
10/19/2009	4,665.00	4.07	MWD	Scientific Drilling
10/19/2009	4,697.00	3.02	MWD	Scientific Drilling
10/19/2009	4,729.00	2.34	MWD	Scientific Drilling
10/19/2009	4,760.00	1.83	MWD	Scientific Drilling
11/3/2009	8,958.00	1.00	Inc-WL	PHOENIX

RCVD JUN 23 '10
OIL CONS. DIV.

DIST. 3

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.

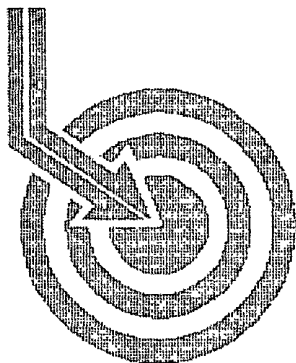
Tom Dalmonte

Subscribed and sworn to me this June 14, 2010

Armando L. Tapera

Notary Public in and for San Juan County, New Mexico

My Commission expires 10/12/2010



Scientific Drilling

RCVD JUN 23 '10

OIL CONS. DIV.

DIST. 3

CONOCOPHILLIPS

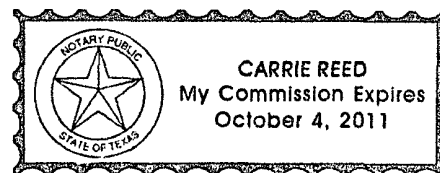
Field: San Juan
Site: SEC 36-T30N-R5W
Well: San Juan 30-5 #85M
Wellpath: DH - Job #33D1009182
Survey: 10/16/09-10/20/09
Ac# 30039.30720

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

[Signature] Company Representative

Notorized this date 1st of December, 2009.

[Signature: Carrie Reed]
Notary Signature
County of Midland
State of Texas





Scientific Drilling International

COP Survey Report

Company: CONOCOPHILLIPS	Date: 11/25/2009	Time: 11:28:18	Page: 1
Field: San Juan	Co-ordinate(NE) Reference:	Site: SEC 36-T30N-R5W, True North	
Site: SEC 36-T30N-R5W	Vertical (TVD) Reference:	System: Mean Sea Level	
Well: San Juan 30-5 #85M	Section (VS) Reference:	Well (0.00N,0.00E,316.11Azi)	
Wellpath: DH - Job #33D1009182	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey: 10/16/09-10/20/09	Start Date: 10/16/2009
E-field: 0'-4760'	
Company: Scientific Drilling Internatio	Engineer: Lowe/Richey/Ratliff/Blosser
Tool: E-field;E-field MWD	Tied-to: From Surface

Site: SEC 36-T30N-R5W

Site Position:	Northing: 2100191.18 ft	Latitude: 36 46 14.316 N
From: Map	Easting: 653362.38 ft	Longitude: 107 18 34.984 W
Position Uncertainty: 0.00 ft		North Reference: True
Ground Level: 7382.00 ft		Grid Convergence: 0.31 deg

Well: San Juan 30-5 #85M	Slot Name:
1431' Slant @ N43.89W	
Well Position: +N/-S 0.00 ft	Northing: 2100191.18 ft
+E/-W 0.00 ft	Easting: 653362.38 ft
Position Uncertainty: 0.00 ft	Latitude: 36 46 14.316 N
	Longitude: 107 18 34.984 W

Survey										
MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
270.00	0.86	307.50	269.99	2.00	1.23	-1.61	0.32	2.03	307.50	
301.00	0.83	305.98	300.99	2.45	1.51	-1.97	0.12	2.48	307.36	
331.00	1.31	310.31	330.98	3.01	1.86	-2.41	1.62	3.04	307.60	
362.00	2.19	315.53	361.97	3.95	2.51	-3.10	2.88	3.98	309.01	
393.00	3.26	321.34	392.93	5.42	3.62	-4.06	3.56	5.44	311.70	
424.00	3.87	326.19	423.87	7.33	5.18	-5.19	2.19	7.33	314.90	
455.00	4.35	324.80	454.79	9.52	7.01	-6.45	1.58	9.53	317.35	
486.00	5.02	328.35	485.69	12.01	9.12	-7.84	2.35	12.03	319.31	
517.00	5.86	330.90	516.55	14.87	11.66	-9.33	2.82	14.93	321.35	
548.00	6.59	328.64	547.36	18.13	14.56	-11.02	2.48	18.26	322.88	
579.00	7.10	328.55	578.14	21.74	17.71	-12.95	1.65	21.94	323.84	
609.00	7.57	326.20	607.90	25.50	20.94	-15.01	1.86	25.76	324.36	
640.00	8.13	326.38	638.61	29.66	24.46	-17.36	1.81	30.00	324.63	
671.00	8.74	323.72	669.27	34.16	28.18	-19.97	2.34	34.54	324.68	
702.00	9.13	322.88	699.90	38.93	32.04	-22.85	1.33	39.36	324.51	
733.00	9.66	320.56	730.48	43.97	36.01	-25.98	2.10	44.41	324.19	
764.00	10.02	320.79	761.02	49.25	40.11	-29.34	1.17	49.70	323.82	
799.00	10.55	318.06	795.46	55.49	44.86	-33.41	2.06	55.93	323.32	
830.00	10.64	317.77	825.93	61.18	49.09	-37.23	0.34	61.61	322.82	
862.00	11.19	315.84	857.35	67.24	53.50	-41.38	2.06	67.63	322.28	
893.00	11.71	315.84	887.74	73.40	57.92	-45.66	1.68	73.75	321.75	
925.00	11.96	314.13	919.06	79.96	62.55	-50.31	1.35	80.27	321.19	
957.00	12.37	313.66	950.34	86.69	67.23	-55.17	1.32	86.97	320.63	
988.00	12.91	313.15	980.59	93.47	71.89	-60.09	1.78	93.70	320.11	
1020.00	13.36	312.45	1011.75	100.73	76.83	-65.43	1.49	100.92	319.58	
1052.00	14.11	312.45	1042.83	108.31	81.96	-71.04	2.34	108.46	319.08	
1084.00	14.98	313.60	1073.81	116.34	87.44	-76.91	2.86	116.45	318.67	
1116.00	15.82	314.54	1104.66	124.83	93.35	-83.01	2.74	124.92	318.36	
1148.00	16.51	315.84	1135.39	133.74	99.68	-89.29	2.43	133.82	318.15	
1180.00	17.09	316.46	1166.03	142.99	106.35	-95.70	1.90	143.06	318.02	
1212.00	17.70	317.17	1196.56	152.55	113.32	-102.24	2.02	152.63	317.94	
1244.00	18.05	318.32	1227.02	162.37	120.59	-108.85	1.55	162.45	317.93	
1275.00	18.82	318.22	1256.43	172.16	127.91	-115.37	2.49	172.25	317.95	
1307.00	19.34	318.00	1286.67	182.62	135.69	-122.36	1.64	182.71	317.96	
1340.00	20.09	317.69	1317.74	193.75	143.95	-129.83	2.29	193.85	317.95	
1371.00	20.44	317.62	1346.82	204.48	151.88	-137.06	1.13	204.58	317.94	



Scientific Drilling International

COP Survey Report

Company: CONOCOPHILLIPS	Date: 11/25/2009	Time: 11:28:18	Page: 2
Field: San Juan	Co-ordinate(NE) Reference:	Site: SEC 36-T30N-R5W, True North	
Site: SEC 36-T30N-R5W	Vertical (TVD) Reference:	System: Mean Sea Level	
Well: San Juan 30-5 #85M	Section (VS) Reference:	Well (0.00N,0.00E,316.11Azi)	
Wellpath: DH - Job #33D1009182	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
1403.00	21.04	317.97	1376.74	215.81	160.28	-144.67	1.91	215.91	317.93
1434.00	21.52	318.41	1405.63	227.05	168.66	-152.17	1.63	227.17	317.94
1466.00	21.97	318.29	1435.35	238.90	177.52	-160.05	1.41	239.02	317.96
1498.00	22.65	318.29	1464.96	251.03	186.59	-168.13	2.12	251.17	317.98
1530.00	23.29	316.99	1494.42	263.52	195.82	-176.55	2.55	263.65	317.96
1561.00	24.04	316.35	1522.81	275.96	204.87	-185.09	2.56	276.09	317.90
1593.00	25.13	315.45	1551.91	289.27	214.43	-194.35	3.60	289.40	317.81
1625.00	25.25	314.96	1580.87	302.89	224.09	-203.95	0.75	303.01	317.69
1656.00	25.30	314.72	1608.90	316.12	233.42	-213.34	0.37	316.23	317.57
1688.00	25.59	315.04	1637.80	329.87	243.12	-223.08	1.00	329.96	317.46
1720.00	25.59	314.55	1666.66	343.69	252.86	-232.89	0.66	343.77	317.35
1752.00	25.75	315.04	1695.50	357.54	262.63	-242.72	0.83	357.62	317.26
1784.00	25.93	315.28	1724.30	371.49	272.52	-252.56	0.65	371.55	317.18
1815.00	25.83	314.77	1752.19	385.02	282.09	-262.12	0.79	385.08	317.10
1847.00	26.10	314.75	1780.96	399.02	291.96	-272.07	0.84	399.07	317.02
1878.00	25.72	314.19	1808.84	412.56	301.45	-281.74	1.46	412.61	316.94
1910.00	25.57	314.45	1837.69	426.41	311.12	-291.64	0.59	426.44	316.85
1942.00	25.87	314.54	1866.52	440.29	320.86	-301.55	0.95	440.32	316.78
1973.00	25.89	314.70	1894.41	453.82	330.36	-311.18	0.23	453.84	316.71
2004.00	25.97	314.55	1922.29	467.37	339.88	-320.83	0.33	467.39	316.65
2036.00	25.37	314.09	1951.13	481.22	349.57	-330.75	1.98	481.24	316.58
2068.00	24.29	314.06	1980.18	494.65	358.91	-340.40	3.38	494.66	316.52
2099.00	24.01	313.94	2008.46	507.32	367.72	-349.52	0.92	507.33	316.45
2130.00	24.04	313.88	2036.78	519.94	376.48	-358.62	0.12	519.94	316.39
2162.00	24.40	314.27	2065.96	533.06	385.61	-368.05	1.23	533.06	316.33
2194.00	24.77	314.83	2095.06	546.36	394.95	-377.53	1.37	546.37	316.29
2226.00	24.94	314.64	2124.09	559.81	404.42	-387.09	0.59	559.81	316.25
2258.00	25.34	315.09	2153.06	573.40	414.01	-396.72	1.39	573.40	316.22
2290.00	24.74	315.09	2182.06	586.94	423.60	-406.29	1.87	586.94	316.20
2321.00	24.96	315.00	2210.19	599.97	432.82	-415.49	0.72	599.97	316.17
2353.00	24.11	314.47	2239.30	613.25	442.17	-424.93	2.74	613.25	316.14
2384.00	23.68	314.17	2267.64	625.80	450.94	-433.91	1.44	625.80	316.10
2416.00	23.33	313.89	2296.98	638.56	459.81	-443.09	1.15	638.56	316.06
2447.00	23.36	314.26	2325.45	650.83	468.36	-451.91	0.48	650.84	316.02
2478.00	23.14	313.88	2353.93	663.06	476.87	-460.71	0.86	663.07	315.99
2510.00	22.78	313.71	2383.39	675.54	485.51	-469.72	1.14	675.54	315.95
2541.00	22.41	313.49	2412.01	687.44	493.72	-478.34	1.22	687.44	315.91
2573.00	22.52	313.41	2441.59	699.65	502.13	-487.22	0.36	699.66	315.86
2605.00	22.25	312.82	2471.17	711.82	510.46	-496.11	1.10	711.83	315.82
2637.00	22.37	313.40	2500.78	723.95	518.76	-504.98	0.78	723.96	315.77
2668.00	23.17	315.14	2529.36	735.94	527.14	-513.57	3.37	735.96	315.75
2700.00	23.01	315.59	2558.80	748.49	536.07	-522.39	0.74	748.51	315.74
2732.00	23.69	316.43	2588.18	761.17	545.20	-531.20	2.37	761.19	315.75
2764.00	24.39	318.30	2617.40	774.20	554.79	-540.02	3.23	774.22	315.77
2796.00	25.47	318.99	2646.42	787.68	564.91	-548.93	3.50	787.69	315.82
2827.00	25.61	319.07	2674.39	801.03	575.00	-557.70	0.47	801.03	315.88
2859.00	25.36	319.30	2703.28	814.78	585.42	-566.69	0.84	814.78	315.93
2891.00	25.12	319.23	2732.22	828.40	595.76	-575.60	0.76	828.40	315.99
2922.00	25.20	319.13	2760.28	841.56	605.74	-584.21	0.29	841.56	316.04
2954.00	24.95	318.97	2789.27	855.10	615.98	-593.10	0.81	855.10	316.08
2985.00	24.44	318.75	2817.43	868.04	625.73	-601.62	1.67	868.04	316.13
3016.00	24.07	318.48	2845.69	880.76	635.29	-610.04	1.25	880.76	316.16
3048.00	24.09	318.67	2874.91	893.81	645.08	-618.68	0.25	893.81	316.20



Scientific Drilling International

COP Survey Report

Company: CONOCOPHILLIPS
Field: San Juan
Site: SEC 36-T30N-R5W
Well: San Juan 30-5 #85M
Wellpath: DH - Job #33D1009182

Date: 11/25/2009 Time: 11:28:18 Page: 3
Co-ordinate(NE) Reference: Site: SEC 36-T30N-R5W, True North
Vertical (TVD) Reference: System: Mean Sea Level
Section (VS) Reference: Well (0.00N,0.00E,316.11Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
3079.00	24.95	319.43	2903.11	906.66	654.80	-627.11	2.95	906.66	316.24
3111.00	25.21	319.09	2932.10	920.20	665.07	-635.96	0.93	920.20	316.28
3143.00	25.41	319.16	2961.02	933.86	675.42	-644.92	0.63	933.87	316.32
3174.00	25.16	319.15	2989.05	947.08	685.44	-653.58	0.81	947.09	316.36
3206.00	25.12	319.11	3018.02	960.66	695.72	-662.47	0.14	960.67	316.40
3237.00	25.19	319.09	3046.08	973.82	705.68	-671.10	0.23	973.83	316.44
3269.00	25.28	318.42	3075.03	987.45	715.93	-680.09	0.94	987.47	316.47
3301.00	25.23	317.52	3103.97	1001.09	726.07	-689.23	1.21	1001.11	316.49
3332.00	24.93	315.47	3132.05	1014.23	735.60	-698.28	2.97	1014.25	316.49
3364.00	24.69	315.17	3161.10	1027.66	745.15	-707.72	0.85	1027.68	316.48
3395.00	24.42	314.66	3189.29	1040.53	754.25	-716.84	1.11	1040.55	316.46
3427.00	24.07	314.70	3218.47	1053.67	763.49	-726.19	1.09	1053.69	316.43
3458.00	23.87	314.47	3246.80	1066.26	772.33	-735.15	0.71	1066.28	316.41
3490.00	23.86	314.48	3276.06	1079.20	781.40	-744.39	0.03	1079.21	316.39
3522.00	24.04	314.19	3305.30	1092.19	790.48	-753.68	0.67	1092.20	316.36
3554.00	23.72	313.46	3334.57	1105.13	799.45	-763.03	1.36	1105.14	316.34
3586.00	23.65	313.12	3363.87	1117.97	808.26	-772.39	0.48	1117.97	316.30
3617.00	23.32	312.68	3392.30	1130.30	816.67	-781.44	1.21	1130.31	316.26
3649.00	23.03	312.34	3421.72	1142.87	825.18	-790.72	1.00	1142.87	316.22
3680.00	22.95	312.27	3450.26	1154.95	833.33	-799.67	0.27	1154.95	316.18
3712.00	22.95	314.27	3479.73	1167.41	841.88	-808.76	2.44	1167.41	316.15
3743.00	22.66	315.65	3508.30	1179.43	850.37	-817.26	1.96	1179.43	316.14
3775.00	22.84	316.54	3537.81	1191.80	859.29	-825.84	1.21	1191.80	316.14
3807.00	23.18	316.57	3567.27	1204.31	868.37	-834.44	1.06	1204.31	316.14
3839.00	23.32	316.54	3596.67	1216.94	877.54	-843.13	0.44	1216.94	316.15
3871.00	23.36	316.68	3626.05	1229.62	886.75	-851.84	0.21	1229.62	316.15
3902.00	23.34	316.67	3654.51	1241.90	895.69	-860.27	0.07	1241.90	316.16
3934.00	23.24	316.15	3683.90	1254.55	904.85	-868.99	0.71	1254.56	316.16
3966.00	22.55	315.72	3713.38	1267.00	913.80	-877.65	2.22	1267.00	316.16
3998.00	21.43	314.45	3743.05	1278.98	922.29	-886.11	3.80	1278.98	316.15
4030.00	20.27	313.32	3772.96	1290.36	930.18	-894.31	3.84	1290.36	316.13
4062.00	20.17	313.09	3802.99	1301.41	937.76	-902.37	0.40	1301.41	316.10
4093.00	18.96	313.65	3832.20	1311.78	944.88	-909.92	3.95	1311.78	316.08
4124.00	18.48	313.82	3861.56	1321.72	951.76	-917.11	1.56	1321.72	316.06
4157.00	18.11	313.34	3892.89	1332.07	958.90	-924.61	1.21	1332.07	316.04
4188.00	17.80	313.02	3922.38	1341.61	965.44	-931.58	1.05	1341.61	316.02
4220.00	16.84	314.17	3952.93	1351.13	972.01	-938.48	3.18	1351.13	316.01
4252.00	15.17	317.02	3983.69	1359.95	978.30	-944.66	5.77	1359.95	316.00
4284.00	13.34	318.84	4014.70	1367.82	984.15	-949.95	5.89	1367.83	316.01
4315.00	12.05	318.77	4044.94	1374.63	989.27	-954.43	4.16	1374.63	316.03
4347.00	11.25	318.30	4076.28	1381.08	994.12	-958.71	2.52	1381.08	316.04
4379.00	10.67	317.97	4107.70	1387.16	998.65	-962.77	1.82	1387.16	316.05
4411.00	10.58	318.25	4139.15	1393.06	1003.04	-966.71	0.32	1393.06	316.06
4443.00	10.74	317.92	4170.60	1398.98	1007.44	-970.67	0.54	1398.98	316.07
4474.00	9.69	316.07	4201.10	1404.47	1011.47	-974.41	3.55	1404.47	316.07
4506.00	7.98	314.38	4232.72	1409.39	1014.96	-977.87	5.40	1409.39	316.07
4538.00	7.21	310.89	4264.44	1413.61	1017.83	-980.97	2.80	1413.61	316.06
4569.00	6.82	308.77	4295.21	1417.37	1020.25	-983.88	1.51	1417.37	316.04
4601.00	6.40	307.95	4327.00	1421.02	1022.54	-986.77	1.35	1421.02	316.02
4633.00	5.32	311.52	4358.83	1424.26	1024.62	-989.29	3.56	1424.27	316.01
4665.00	4.07	317.76	4390.72	1426.88	1026.44	-991.16	4.21	1426.88	316.00
4697.00	3.02	314.92	4422.66	1428.86	1027.88	-992.52	3.33	1428.86	316.00



Scientific Drilling International

COP Survey Report

Company: CONOCOPHILLIPS
Field: San Juan
Site: SEC 36-T30N-R5W
Well: San Juan 30-5 #85M
Wellpath: DH - Job #33D1009182

Date: 11/25/2009 Time: 11:28:18 Page: 4
Co-ordinate(N/E) Reference: Site: SEC 36-T30N-R5W, True North
Vertical (TVD) Reference: System: Mean Sea Level
Section (VS) Reference: Well (0.00N,0.00E,316.11Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

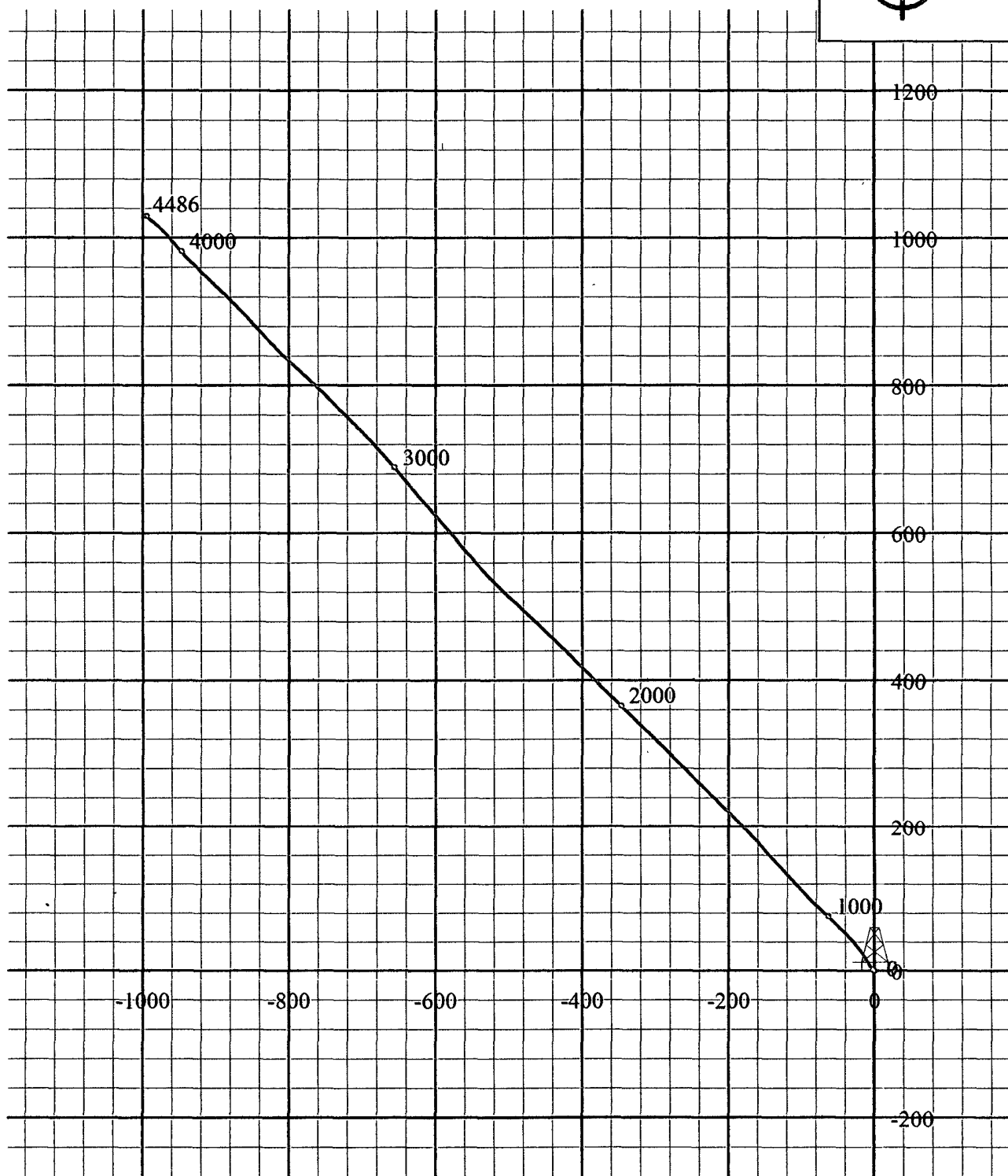
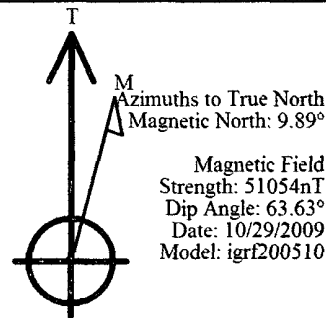
Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
4729.00	2.34	307.27	4454.63	1430.34	1028.87	-993.64	2.40	1430.35	316.00
4760.00	1.83	303.93	4485.61	1431.45	1029.53	-994.55	1.69	1431.46	315.99



Scientific
Drilling

Field: San Juan
Site: SEC 36-T30N-R5W
Well: San Juan 30-5 #85M
Wellpath: DH - Job #33D1009182
Survey: 10/16/09-10/20/09



South(-)/North(+) [200ft/in]

West(-)/East(+) [200ft/in]