Scientific Drilling

CONOCOPHILLIPS

07-12-07

Field: San Juan
Site: Rio Arriba County, NM
Well: San Juan 29-6 #74B
Wellpath: DH - Job #33D0207097
Survey: 02/02/07-03/05/07

30-039-29923

Surface: 1865/S 1715/E

BHL 2484/S 2569/E

RCVD JUL 12'07
OIL CONS. DIV.

DIST. 3

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

.....Company Representative

Notorized this date 16th of April, 2007.

Deborah Sue Bynum
Notary Signature
County of Midland
State of Texas

DEBORAH SUE BYNUM
Notary Public, State of Texas
My Commission Expires
5/9/08

Scientific Drilling

Scientific Drilling International
Survey Report

Company:	CONOCOPHILLIPS	**Date:**	04/16/2007	**Time:**	12:10:39	**Page:**	1
Field:	San Juan	**Co-ordinate(NE) Reference:**	Site: Rio Arriba County, NM, Grid North				
Site:	Rio Arriba County, NM	**Vertical (TVD) Reference:**	SITE 0.0				
Well:	San Juan 29-6 #74B	**Section (VS) Reference:**	Well (0.00N,0.00E,305.92Azi)				
Wellpath:	DH - Job #33D0207097	**Survey Calculation Method:**	Minimum Curvature		**Db:**	Sybase	

Survey:	02/02/07-03/05/07 E-field 0'-3811' w/projection @ 3830'	**Start Date:**	02/02/2007
Company:	Scientific Drilling Internatio	**Engineer:**	Calvert/Gillespie/Heikkinen/Lo
Tool:	Keeper;Keeper Gyro	**Tied-to:**	From Surface

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
262.00	2.28	356.40	261.93	3.32	5.20	-0.33	0.87	5.21	356.40
332.00	2.19	337.29	331.88	5.35	7.83	-0.93	1.07	7.88	353.21
394.00	3.06	306.81	393.82	8.01	9.91	-2.71	2.60	10.27	344.69
455.00	5.01	308.57	454.66	12.30	12.55	-6.10	3.20	13.95	334.07
516.00	6.87	312.92	515.33	18.58	16.69	-10.85	3.14	19.91	326.96
577.00	8.58	305.69	575.78	26.76	21.83	-17.22	3.22	27.81	321.73
639.00	11.22	303.65	636.85	37.41	27.87	-26.00	4.29	38.12	316.99
701.00	12.77	302.31	697.49	50.28	34.88	-36.81	2.54	50.71	313.45
762.00	15.34	307.69	756.66	65.07	43.42	-48.90	4.72	65.39	311.60
825.00	17.05	307.54	817.16	82.63	54.14	-62.82	2.72	82.93	310.76
889.00	19.09	307.34	878.00	102.48	66.21	-78.58	3.19	102.75	310.11
950.00	21.61	305.84	935.19	123.69	78.84	-95.62	4.22	123.93	309.50
1012.00	22.26	304.17	992.70	146.84	92.12	-114.59	1.45	147.03	308.79
1078.00	22.26	301.96	1053.79	171.81	105.75	-135.54	1.27	171.92	307.96
1141.00	22.40	304.56	1112.06	195.71	118.88	-155.55	1.58	195.78	307.39
1204.00	22.47	304.86	1170.29	219.75	132.57	-175.31	0.21	219.80	307.10
1267.00	21.92	303.25	1228.63	243.53	145.90	-195.03	1.30	243.56	306.80
1329.00	22.36	304.21	1286.06	266.88	158.88	-214.46	0.92	266.90	306.53
1391.00	21.88	303.60	1343.49	290.21	171.90	-233.83	0.86	290.22	306.32
1451.00	21.71	305.01	1399.20	312.48	184.45	-252.24	0.92	312.48	306.18
1514.00	21.81	304.09	1457.71	335.83	197.70	-271.47	0.56	335.83	306.06
1577.00	23.47	304.44	1515.86	360.07	211.35	-291.51	2.64	360.07	305.94
1641.00	24.03	304.22	1574.44	385.83	225.89	-312.80	0.89	385.83	305.84
1704.00	23.53	303.89	1632.09	411.22	240.12	-333.84	0.82	411.23	305.73
1764.00	23.77	305.46	1687.05	435.28	253.81	-353.64	1.12	435.29	305.67
1828.00	23.65	307.23	1745.65	461.02	269.06	-374.36	1.13	461.02	305.71
1892.00	23.14	307.75	1804.39	486.42	284.52	-394.53	0.86	486.42	305.80
1955.00	22.92	307.05	1862.37	511.06	299.49	-414.10	0.56	511.06	305.88
2017.00	21.71	306.97	1919.72	534.59	313.66	-432.90	1.95	534.59	305.93
2080.00	22.12	307.33	1978.17	558.10	327.86	-451.64	0.68	558.10	305.98
2145.00	21.96	306.49	2038.42	582.49	342.51	-471.15	0.54	582.49	306.02
2209.00	22.67	306.44	2097.63	606.79	356.96	-490.69	1.11	606.79	306.03
2271.00	22.15	306.17	2154.94	630.42	370.95	-509.74	0.85	630.43	306.04
2334.00	22.84	306.61	2213.15	654.53	385.25	-529.14	1.13	654.53	306.06
2398.00	22.62	307.30	2272.18	679.25	400.12	-548.90	0.54	679.25	306.09
2461.00	22.46	306.61	2330.37	703.40	414.64	-568.20	0.49	703.40	306.12
2522.00	22.31	306.09	2386.77	726.63	428.41	-586.91	0.41	726.63	306.13
2581.00	21.92	306.68	2441.43	748.84	441.58	-604.79	0.76	748.84	306.13
2644.00	22.91	307.22	2499.67	772.85	456.02	-623.99	1.61	772.86	306.16
2705.00	23.29	307.35	2555.78	796.78	470.52	-643.03	0.63	796.79	306.19
2768.00	23.31	307.70	2613.64	821.69	485.70	-662.79	0.22	821.70	306.23
2831.00	22.44	304.39	2671.69	846.17	500.11	-682.58	2.46	846.18	306.23
2894.00	22.52	303.74	2729.90	870.25	513.61	-702.53	0.41	870.25	306.17
2957.00	21.37	304.40	2788.33	893.78	526.79	-722.04	1.87	893.78	306.11
3020.00	19.31	304.92	2847.40	915.67	539.24	-740.05	3.28	915.67	306.08
3084.00	17.69	302.46	2908.10	935.96	550.52	-756.93	2.81	935.96	306.03
3148.00	16.77	301.56	2969.22	954.87	560.57	-773.00	1.50	954.87	305.95
3210.00	15.81	302.31	3028.73	972.22	569.77	-787.76	1.59	972.22	305.88

Scientific Drilling

Scientific Drilling International
Survey Report

Company:	CONOCOPHILLIPS	**Date:**	04/16/2007	**Time:**	12:10:39	**Page:**	2
Field:	San Juan	**Co-ordinate(NE) Reference:**	Site: Rio Arriba County, NM, Grid North				
Site:	Rio Arriba County, NM	**Vertical (TVD) Reference:**	SITE 0.0				
Well:	San Juan 29-6 #74B	**Section (VS) Reference:**	Well (0.00N,0.00E,305.92Azi)				
Wellpath:	DH - Job #33D0207097	**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
3273.00	14.06	304.91	3089.60	988.43	578.73	-801.29	2.97	988.44	305.84
3336.00	12.96	304.01	3150.86	1003.15	587.07	-813.43	1.78	1003.15	305.82
3399.00	10.99	303.65	3212.48	1016.21	594.34	-824.28	3.13	1016.21	305.79
3463.00	8.45	304.48	3275.56	1027.01	600.39	-833.24	3.97	1027.01	305.77
3526.00	6.74	306.65	3338.01	1035.33	605.22	-840.02	2.75	1035.34	305.77
3589.00	5.64	308.19	3400.64	1042.12	609.34	-845.42	1.77	1042.13	305.78
3652.00	4.06	315.01	3463.41	1047.42	612.83	-849.43	2.67	1047.42	305.81
3716.00	2.90	326.29	3527.29	1051.17	615.78	-851.93	2.10	1051.17	305.86
3779.00	1.53	325.23	3590.24	1053.46	617.79	-853.29	2.18	1053.46	305.90
3811.00	1.43	319.47	3622.23	1054.25	618.45	-853.80	0.56	1054.25	305.92
3830.00	0.90	319.47	3641.23	1054.63	618.74	-854.05	2.79	1054.63	305.92

Scientific Drilling

Field: San Juan
Site: Rio Arriba County, NM
Well: San Juan 29-6 #74B
Wellpath: DH - Job #33D0207097
Survey: 02/02/07-03/05/07