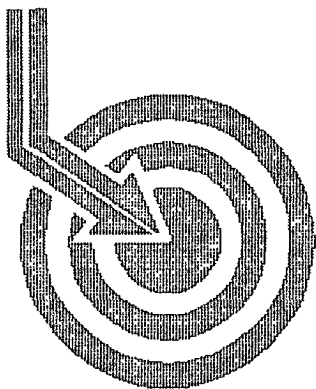




Scientific Drilling

CONOCOPHILLIPS

Field: San Juan
Site: Rio Arriba County, NM
Well: San Juan 28-5 #87M
Wellpath: DH - Job #32D0807710
Survey: 08/23/07-08/28/07

30-089-30263

Surface 1485/S 1430/E

BHL 696/S 702/E MD 8491 Tvd 8365



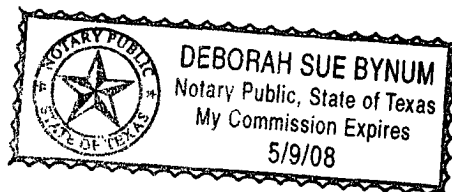
This survey is correct to the best of my knowledge
and is supported by actual field data.

.....Chuharta.....Company Representative

Notorized this date 25th of September, 2007.

Deborah Sue Bynum
Notary Signature

County of Midland
State of Texas





Scientific
Drilling

Scientific Drilling International Survey Report

Company: CONOCOPHILLIPS
Field: San Juan
Site: Rio Arriba County, NM
Well: San Juan 28-5 #87M
Wellpath: DH - Job #32D0807710

Date: 09/22/2007 Time: 08:36:54 Page: 1
Co-ordinate(NE) Reference: Site: Rio Arriba County, NM, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,143.46Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: 08/23/07-08/28/07
E-field 0'-4347'

Start Date: 08/23/2007

Company: Scientific Drilling Internatio
Tool: E-field;E-field MWD

Engineer: Calvert/Oleniczak/Heikkinen
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
395.00	0.75	293.75	394.99	-2.25	1.04	-2.37	0.19	2.59	293.75
432.00	0.70	293.75	431.99	-2.65	1.23	-2.79	0.14	3.05	293.75
488.00	0.81	211.38	487.98	-2.80	1.03	-3.31	1.78	3.47	287.26
549.00	2.07	163.43	548.96	-1.60	-0.39	-3.22	2.69	3.25	263.02
609.00	4.67	153.45	608.86	1.82	-3.62	-1.82	4.43	4.05	206.74
671.00	6.79	146.15	670.54	7.97	-8.92	1.35	3.61	9.02	171.42
732.00	8.91	146.06	730.97	16.29	-15.84	5.99	3.48	16.93	159.27
794.00	11.28	142.47	792.00	27.15	-24.63	12.37	3.95	27.56	153.33
857.00	13.69	141.46	853.51	40.77	-35.35	20.77	3.84	41.00	149.56
919.00	15.99	139.98	913.44	56.62	-47.63	30.83	3.76	56.74	147.08
982.00	18.33	139.90	973.63	75.17	-61.85	42.80	3.71	75.21	145.32
1045.00	20.52	141.46	1033.04	96.10	-78.07	56.06	3.57	96.11	144.32
1108.00	22.63	142.20	1091.62	119.26	-96.29	70.37	3.38	119.26	143.84
1170.00	22.62	142.67	1148.85	143.10	-115.19	84.91	0.29	143.10	143.61
1234.00	23.73	142.58	1207.69	168.29	-135.21	100.20	1.74	168.29	143.46
1295.00	23.69	142.69	1263.54	192.81	-154.70	115.08	0.10	192.81	143.35
1357.00	23.78	142.21	1320.29	217.76	-174.49	130.29	0.34	217.76	143.25
1419.00	24.08	141.08	1376.96	242.90	-194.20	145.90	0.88	242.90	143.08
1483.00	23.30	142.45	1435.57	268.60	-214.40	161.82	1.49	268.61	142.96
1545.00	23.59	142.45	1492.45	293.26	-233.96	176.85	0.47	293.28	142.91
1609.00	23.07	145.29	1551.22	318.60	-254.42	191.80	1.94	318.61	142.99
1640.00	22.25	145.78	1579.83	330.54	-264.26	198.55	2.71	330.54	143.08
1672.00	22.31	145.71	1609.44	342.66	-274.29	205.38	0.21	342.66	143.17
1736.00	22.94	145.03	1668.51	367.27	-294.55	219.38	1.07	367.27	143.32
1799.00	22.20	144.90	1726.69	391.44	-314.35	233.26	1.18	391.44	143.42
1862.00	22.59	144.18	1784.94	415.43	-333.90	247.18	0.76	415.43	143.49
1925.00	23.44	143.45	1842.92	440.07	-353.77	261.73	1.42	440.07	143.51
1988.00	22.21	144.57	1900.99	464.50	-373.54	276.09	2.07	464.50	143.53
2049.00	20.31	144.74	1957.83	486.61	-391.58	288.89	3.12	486.62	143.58
2111.00	20.21	145.54	2016.00	508.07	-409.20	301.16	0.48	508.08	143.65
2175.00	20.90	145.27	2075.92	530.53	-427.70	313.92	1.09	530.54	143.72
2238.00	21.58	144.70	2134.64	553.35	-446.39	327.02	1.13	553.35	143.77
2301.00	21.98	145.07	2193.15	576.71	-465.51	340.46	0.67	576.73	143.82
2364.00	21.91	144.16	2251.58	600.25	-484.70	354.09	0.55	600.27	143.85
2427.00	22.31	144.38	2309.95	623.96	-503.95	367.94	0.65	623.98	143.87
2489.00	22.45	144.41	2367.28	647.57	-523.15	381.68	0.23	647.58	143.89
2552.00	22.41	144.72	2425.51	671.60	-542.73	395.62	0.20	671.62	143.91
2614.00	22.47	145.35	2482.82	695.26	-562.13	409.18	0.40	695.28	143.95
2676.00	22.54	143.63	2540.10	718.98	-581.44	422.97	1.07	719.01	143.97
2740.00	22.63	140.99	2599.19	743.55	-600.89	437.99	1.59	743.57	143.91
2803.00	22.52	140.71	2657.36	767.71	-619.64	453.26	0.24	767.73	143.82
2856.00	23.10	141.12	2706.22	788.24	-635.59	466.21	1.13	788.25	143.74
2927.00	22.85	141.37	2771.59	815.93	-657.20	483.56	0.38	815.93	143.65
2989.00	23.25	141.86	2828.64	840.19	-676.23	498.64	0.72	840.19	143.60
3052.00	23.23	141.99	2886.52	865.04	-695.80	513.97	0.09	865.04	143.55
3116.00	24.15	142.97	2945.13	890.75	-716.20	529.62	1.56	890.75	143.52
3179.00	22.57	142.39	3002.96	915.73	-736.06	544.76	2.53	915.73	143.49
3242.00	21.94	141.92	3061.27	939.58	-754.91	559.40	1.04	939.58	143.46



Scientific
Drilling

Scientific Drilling International

Survey Report

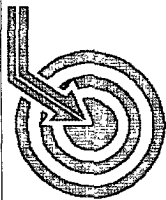
Company: CONOCOPHILLIPS
Field: San Juan
Site: Rio Arriba County, NM
Well: San Juan 28-5 #87M
Wellpath: DH - Job #32D0807710

Date: 09/22/2007 Time: 08:36:54 Page: 2
Co-ordinate(NE) Reference: Site: Rio Arriba County, NM, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,143.46Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

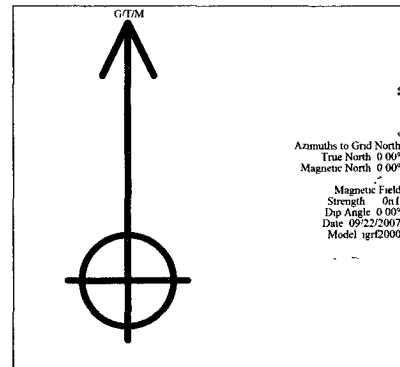
MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
3305.00	21.60	142.40	3119.78	962.94	-773.36	573.73	0.61	962.94	143.43
3368.00	20.94	143.34	3178.49	985.79	-791.58	587.53	1.18	985.79	143.42
3431.00	21.64	143.40	3237.19	1008.67	-809.93	601.18	1.11	1008.67	143.42
3492.00	22.14	143.80	3293.79	1031.41	-828.24	614.67	0.86	1031.41	143.42
3556.00	20.70	143.23	3353.37	1054.78	-847.03	628.57	2.27	1054.78	143.42
3619.00	19.47	142.55	3412.53	1076.41	-864.29	641.62	1.99	1076.42	143.41
3682.00	18.42	142.26	3472.12	1096.86	-880.50	654.10	1.67	1096.87	143.39
3745.00	18.35	144.36	3531.91	1116.73	-896.43	665.97	1.06	1116.73	143.39
3809.00	16.78	144.61	3592.92	1136.04	-912.15	677.19	2.46	1136.04	143.41
3869.00	15.20	145.51	3650.60	1152.56	-925.69	686.66	2.67	1152.56	143.43
3933.00	13.90	145.99	3712.54	1168.63	-938.98	695.71	2.04	1168.63	143.46
3996.00	10.97	145.94	3774.06	1182.18	-950.22	703.30	4.65	1182.18	143.49
4059.00	10.29	146.29	3835.98	1193.79	-959.87	709.78	1.08	1193.79	143.52
4121.00	9.35	146.47	3897.07	1204.35	-968.67	715.64	1.52	1204.35	143.54
4183.00	8.12	146.86	3958.35	1213.75	-976.54	720.81	1.99	1213.75	143.57
4246.00	5.42	153.08	4020.90	1221.13	-982.92	724.59	4.43	1221.13	143.60
4308.00	3.51	151.83	4082.71	1225.89	-987.20	726.81	3.08	1225.90	143.64
4340.00	2.34	152.76	4114.67	1227.51	-988.64	727.58	3.66	1227.51	143.65
4347.00	2.03	150.09	4121.66	1227.77	-988.88	727.70	4.66	1227.78	143.65



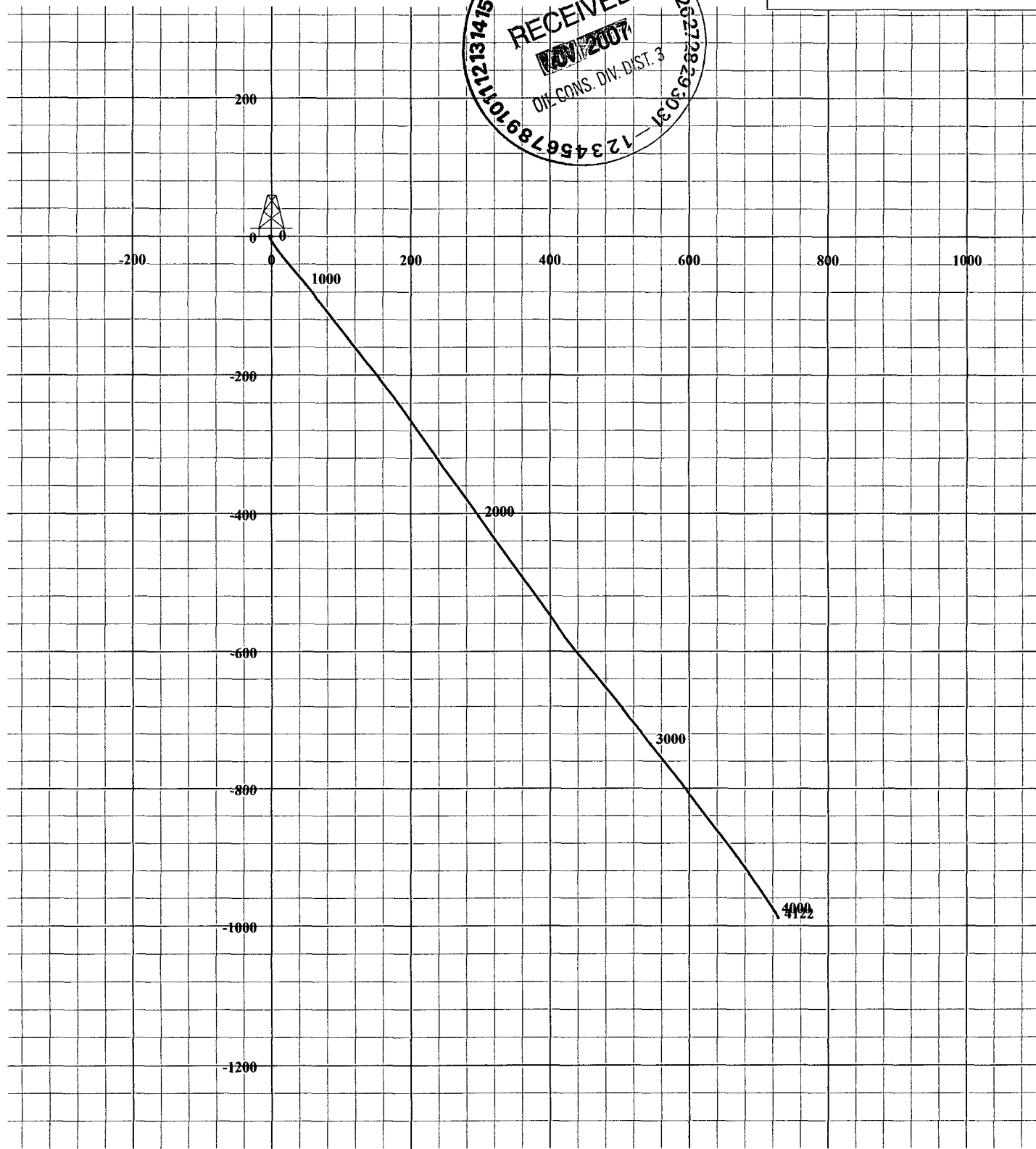


Scientific
Drilling

Field: San Juan
Site: Rio Arriba County, NM
Well: San Juan 28-5 #87M
Wellpath: DH - Job #32D0807710
Survey: 08/23/07-08/28/07



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



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

COP Deviation Report
SAN JUAN 28-5 UNIT #87M

Survey Data					
Date	MD (ftKB)	Incl (°)	Method	Survey Company	
8/26/2007	2,364.00	21.91	MWD	Scientific Drilling	
8/26/2007	2,427.00	22.31	MWD	Scientific Drilling	
8/26/2007	2,489.00	22.45	MWD	Scientific Drilling	
8/26/2007	2,552.00	22.41	MWD	Scientific Drilling	
8/26/2007	2,614.00	22.47	MWD	Scientific Drilling	
8/26/2007	2,676.00	22.54	MWD	Scientific Drilling	
8/26/2007	2,740.00	22.63	MWD	Scientific Drilling	
8/26/2007	2,803.00	22.52	MWD	Scientific Drilling	
8/26/2007	2,856.00	23.10	MWD	Scientific Drilling	
8/26/2007	2,927.00	22.85	MWD	Scientific Drilling	
8/26/2007	2,989.00	23.25	MWD	Scientific Drilling	
8/26/2007	3,052.00	23.23	MWD	Scientific Drilling	
8/26/2007	3,116.00	24.15	MWD	Scientific Drilling	
8/26/2007	3,179.00	22.57	MWD	Scientific Drilling	
8/26/2007	3,242.00	21.94	MWD	Scientific Drilling	
8/26/2007	3,305.00	21.60	MWD	Scientific Drilling	
8/26/2007	3,368.00	20.94	MWD	Scientific Drilling	
8/26/2007	3,431.00	21.64	MWD	Scientific Drilling	
8/27/2007	3,492.00	22.14	MWD	Scientific Drilling	
8/27/2007	3,556.00	20.70	MWD	Scientific Drilling	
8/27/2007	3,619.00	19.47	MWD	Scientific Drilling	
8/27/2007	3,682.00	18.42	MWD	Scientific Drilling	
8/27/2007	3,745.00	18.35	MWD	Scientific Drilling	
8/27/2007	3,809.00	16.78	MWD	Scientific Drilling	
8/27/2007	3,869.00	15.20	MWD	Scientific Drilling	
8/27/2007	3,933.00	13.90	MWD	Scientific Drilling	
8/27/2007	3,996.00	10.97	MWD	Scientific Drilling	
8/27/2007	4,059.00	10.29	MWD	Scientific Drilling	
8/27/2007	4,121.00	9.35	MWD	Scientific Drilling	
8/27/2007	4,183.00	8.12	MWD	Scientific Drilling	
8/27/2007	4,246.00	5.42	MWD	Scientific Drilling	
8/27/2007	4,308.00	3.51	MWD	Scientific Drilling	
9/10/2007	4,318.00	1.50	Incl	TOTCO	
9/10/2007	4,343.00	1.50	Incl	TOTCO	
8/28/2007	4,347.00	2.03	MWD	Scientific Drilling	
9/10/2007	4,375.00	1.00	Incl	TOTCO	
9/11/2007	4,407.00	0.50	Incl	TOTCO	
9/11/2007	4,439.00	1.50	Incl	TOTCO	
9/11/2007	4,503.00	0.25	Incl	TOTCO	

I, the undersigned, certify that I acting in my capacity as COMPLETION 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.

Samuel L. Lyles

Subscribed and sworn to me this 15TH DAY OF NOVEMBER 2007

Macey J. Monahan

Notary Public in and for San Juan County, New Mexico

My Commission expires Jan 24, 2011

**COP Deviation Report
SAN JUAN 28-5 UNIT #87M**

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
9/11/2007	4,559.00	1.75	Incl	TOTCO
9/11/2007	4,623.00	1.50	Incl	TOTCO
9/11/2007	4,687.00	2.00	Incl	TOTCO
9/11/2007	4,751.00	2.25	Incl	TOTCO
9/11/2007	4,815.00	3.75	Incl	TOTCO
9/11/2007	4,879.00	3.75	Incl	TOTCO
9/12/2007	4,938.00	3.50	Incl	
9/12/2007	5,001.00	4.00	Incl	
9/22/2007	8,480.00	1.25	FINAL BHS	PHOENIX
9/2/2007	8,491.00	1.25	Incl	AZTEC WELLSERVICE



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 _____