

'As drilled Plat'

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240
DISTRICT II
1301 W. Grand Avenue, Artesia, N.M. 88210
DISTRICT III
1000 Rio Brazos Rd., Axtec, N.M. 87410
DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, N.M. 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

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

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-039-30300		Pool Code	Pool Name DAKOTA / MESA VERDE
Property Code	Property Name SAN JUAN 27-5 UNIT POW		Well Number 916
OGHD No.	Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP.		Elevation 6600

10 Surface Location

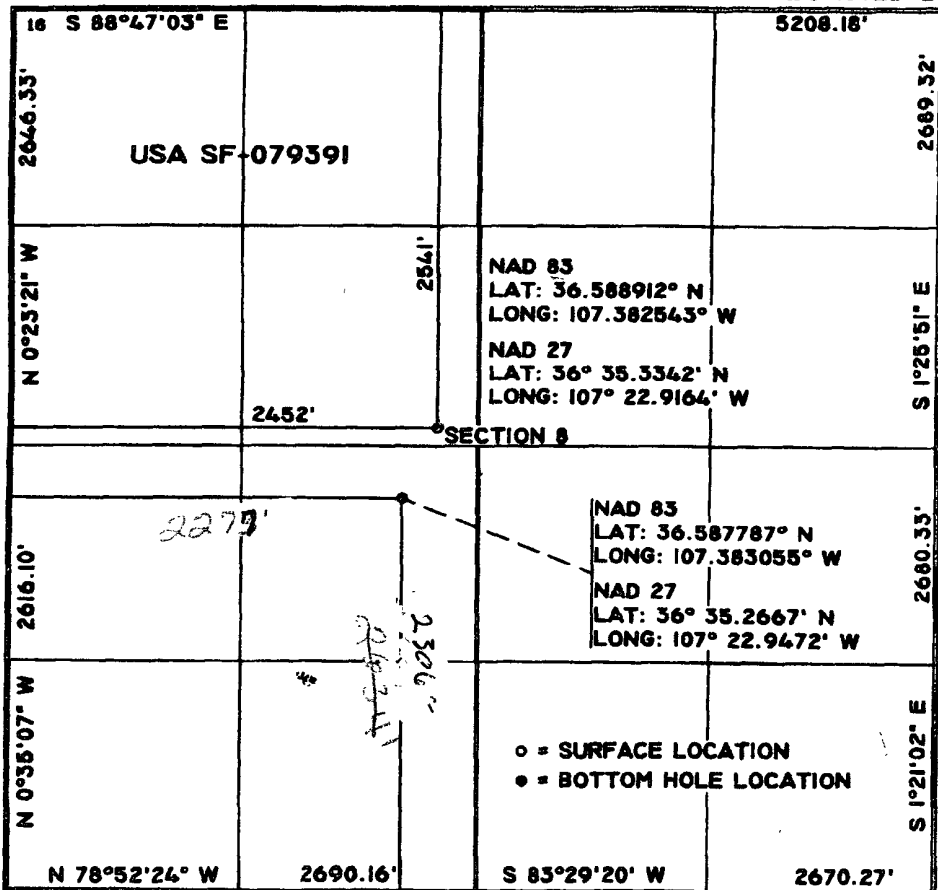
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	8	27 N	5 W		2541	NORTH	2452	WEST	RIO ARriba

11 Bottom Hole Location If Different From Surface

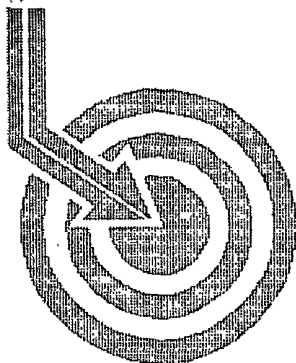
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	8	27 N	5 W	2304	2273	SOUTH	2273	WEST	RIO ARriba

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
320			

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



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. Signature: <u>Shonda Rogers</u> Date: <u>7-14-08</u> Printed Name: <u>Shonda Rogers</u>	
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: <u>5/18/07</u> Signature and Seal of Professional Surveyor: <u>[Signature]</u> Certificate Number: <u>17078</u>	



Scientific Drilling

BURLINGTON RESOURCES

Field: San Juan
Site: Rio Arriba County, NM
Well: San Juan 27-5 POW #916
Wellpath: DH - Job #33D0408070
Survey: 04/25/08-05/02/08

RCVD JUL 16 '08

OIL CONS. DIV.

DIST. 3

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

.....*L. Wharton*.....Company Representative

Notorized this date 19th of May, 2008.

Carrie Reed
Notary Signature
County of Midland
State of Texas





Scientific Drilling International Survey Report

Company: BURLINGTON RESOURCES	Date: 05/14/2008	Time: 16:37:45	Page: 1
Field: San Juan	Co-ordinate(NE) Reference:	Site: Rio Arriba County, NM, True North	
Site: Rio Arriba County, NM	Vertical (TVD) Reference:	SITE 0.0	
Well: San Juan 27-5 POW #916	Section (VS) Reference:	Well (0.00N,0.00E,200.20Azi)	
Wellpath: DH - Job #33D0408070	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey: 04/25/08-05/02/08	Start Date: 04/25/2008
Company: Scientific Drilling Internatio	Engineer: Vestal/Geiser/Fleming
Tool: E-field;E-field	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
306.00	0.48	242.94	306.00	0.94	-0.58	-1.14	0.16	1.28	242.94
367.00	0.31	205.69	367.00	1.29	-0.85	-1.44	0.49	1.67	239.51
428.00	0.63	273.36	427.99	1.55	-0.98	-1.85	0.96	2.09	242.12
490.00	0.61	274.65	489.99	1.74	-0.93	-2.52	0.04	2.68	249.71
551.00	0.94	245.05	550.98	2.18	-1.12	-3.29	0.83	3.48	251.29
611.00	0.88	264.26	610.98	2.73	-1.37	-4.20	0.52	4.42	251.94
673.00	0.97	248.95	672.97	3.29	-1.60	-5.16	0.42	5.41	252.73
734.00	1.28	271.21	733.96	3.85	-1.78	-6.32	0.87	6.57	254.31
797.00	1.43	257.91	796.94	4.50	-1.93	-7.80	0.55	8.03	256.13
861.00	1.52	265.90	860.92	5.28	-2.15	-9.42	0.35	9.67	257.13
925.00	2.25	265.35	924.88	6.15	-2.32	-11.52	1.14	11.75	258.63
989.00	2.27	265.30	988.83	7.21	-2.52	-14.04	0.03	14.26	259.82
1052.00	2.66	263.71	1051.78	8.39	-2.78	-16.74	0.63	16.97	260.55
1115.00	2.88	259.71	1114.70	9.85	-3.23	-19.75	0.46	20.01	260.72
1179.00	3.07	256.32	1178.62	11.62	-3.92	-22.99	0.40	23.32	260.33
1243.00	3.70	248.82	1242.50	13.94	-5.07	-26.58	1.20	27.06	259.20
1306.00	3.99	238.83	1305.36	16.99	-6.94	-30.35	1.16	31.14	257.12
1371.00	4.09	231.26	1370.20	20.75	-9.56	-34.10	0.83	35.41	254.34
1434.00	3.89	222.86	1433.05	24.64	-12.53	-37.30	0.98	39.35	251.43
1498.00	4.01	203.84	1496.90	28.88	-16.17	-39.68	2.05	42.85	247.83
1562.00	4.57	197.64	1560.72	33.66	-20.65	-41.36	1.13	46.23	243.47
1626.00	5.42	191.95	1624.48	39.20	-26.04	-42.76	1.54	50.06	238.66
1690.00	6.81	192.05	1688.11	45.95	-32.70	-44.18	2.17	54.97	233.49
1753.00	8.61	191.06	1750.54	54.30	-40.99	-45.86	2.86	61.51	228.21
1817.00	9.80	194.26	1813.72	64.45	-50.97	-48.12	2.02	70.10	223.36
1879.00	10.60	197.79	1874.74	75.39	-61.51	-51.17	1.64	80.01	219.75
1943.00	11.26	194.51	1937.57	87.49	-73.16	-54.53	1.42	91.25	216.70
2006.00	12.15	194.33	1999.26	100.21	-85.54	-57.71	1.41	103.19	214.01
2070.00	13.00	192.68	2061.73	114.05	-99.09	-60.96	1.44	116.34	211.60
2134.00	13.83	191.30	2123.98	128.74	-113.62	-64.04	1.39	130.42	209.41
2198.00	15.02	191.45	2185.96	144.49	-129.25	-67.18	1.86	145.66	207.47
2260.00	15.40	192.48	2245.79	160.59	-145.16	-70.56	0.75	161.40	205.92
2324.00	15.65	191.69	2307.46	177.55	-161.91	-74.14	0.51	178.08	204.60
2387.00	15.89	193.63	2368.09	194.52	-178.61	-77.90	0.92	194.86	203.56
2451.00	16.29	195.58	2429.58	212.17	-195.77	-82.37	1.05	212.40	202.82
2515.00	16.49	196.94	2490.98	230.19	-213.11	-87.43	0.68	230.34	202.31
2579.00	16.70	198.74	2552.31	248.45	-230.50	-93.03	0.87	248.57	201.98
2643.00	16.85	199.33	2613.59	266.92	-247.97	-99.06	0.35	267.02	201.78
2707.00	16.10	198.17	2674.96	285.06	-265.15	-104.89	1.28	285.14	201.58
2770.00	15.94	201.42	2735.52	302.44	-281.50	-110.78	1.45	302.52	201.48
2833.00	16.08	200.77	2796.07	319.81	-297.71	-117.03	0.36	319.89	201.46
2896.00	16.42	199.88	2856.56	337.44	-314.25	-123.15	0.67	337.52	201.40
2960.00	16.01	201.15	2918.01	355.31	-330.98	-129.41	0.85	355.38	201.36
3024.00	15.14	200.89	2979.66	372.49	-347.02	-135.58	1.36	372.57	201.34
3088.00	14.42	202.66	3041.54	388.81	-362.19	-141.63	1.33	388.89	201.36
3151.00	12.42	205.73	3102.82	403.40	-375.53	-147.59	3.37	403.49	201.46
3215.00	11.18	207.35	3165.47	416.40	-387.24	-153.43	2.01	416.53	201.61
3279.00	10.07	205.64	3228.37	428.13	-397.80	-158.70	1.80	428.29	201.75



Scientific Drilling International

Survey Report

Company: BURLINGTON RESOURCES
Field: San Juan
Site: Rio Arriba County, NM
Well: San Juan 27-5 POW #916
Wellpath: DH - Job #33D0408070

Date: 05/14/2008 Time: 16:37:45 Page: 2
Co-ordinate(NE) Reference: Site: Rio Arriba County, NM, True North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,200.20Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

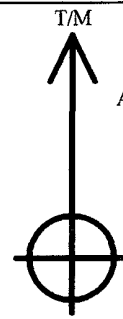
Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
3343.00	8.47	202.21	3291.53	438.41	-407.21	-162.90	2.64	438.58	201.80
3407.00	6.27	203.48	3355.00	446.61	-414.78	-166.08	3.45	446.79	201.82
3470.00	5.58	200.35	3417.66	453.11	-420.80	-168.51	1.21	453.29	201.82
3534.00	4.88	203.39	3481.39	458.94	-426.22	-170.68	1.18	459.12	201.82
3597.00	3.28	210.51	3544.23	463.39	-430.23	-172.66	2.66	463.58	201.87
3661.00	1.95	215.44	3608.16	466.24	-432.70	-174.22	2.11	466.45	201.93
3685.00	1.83	217.80	3632.15	467.00	-433.33	-174.69	0.60	467.22	201.96



Scientific
Drilling

Field: San Juan
Site: Rio Arriba County, NM
Well: San Juan 27-5 POW #916
Wellpath: DH - Job #33D0408070
Survey: 04/25/08-05/02/08

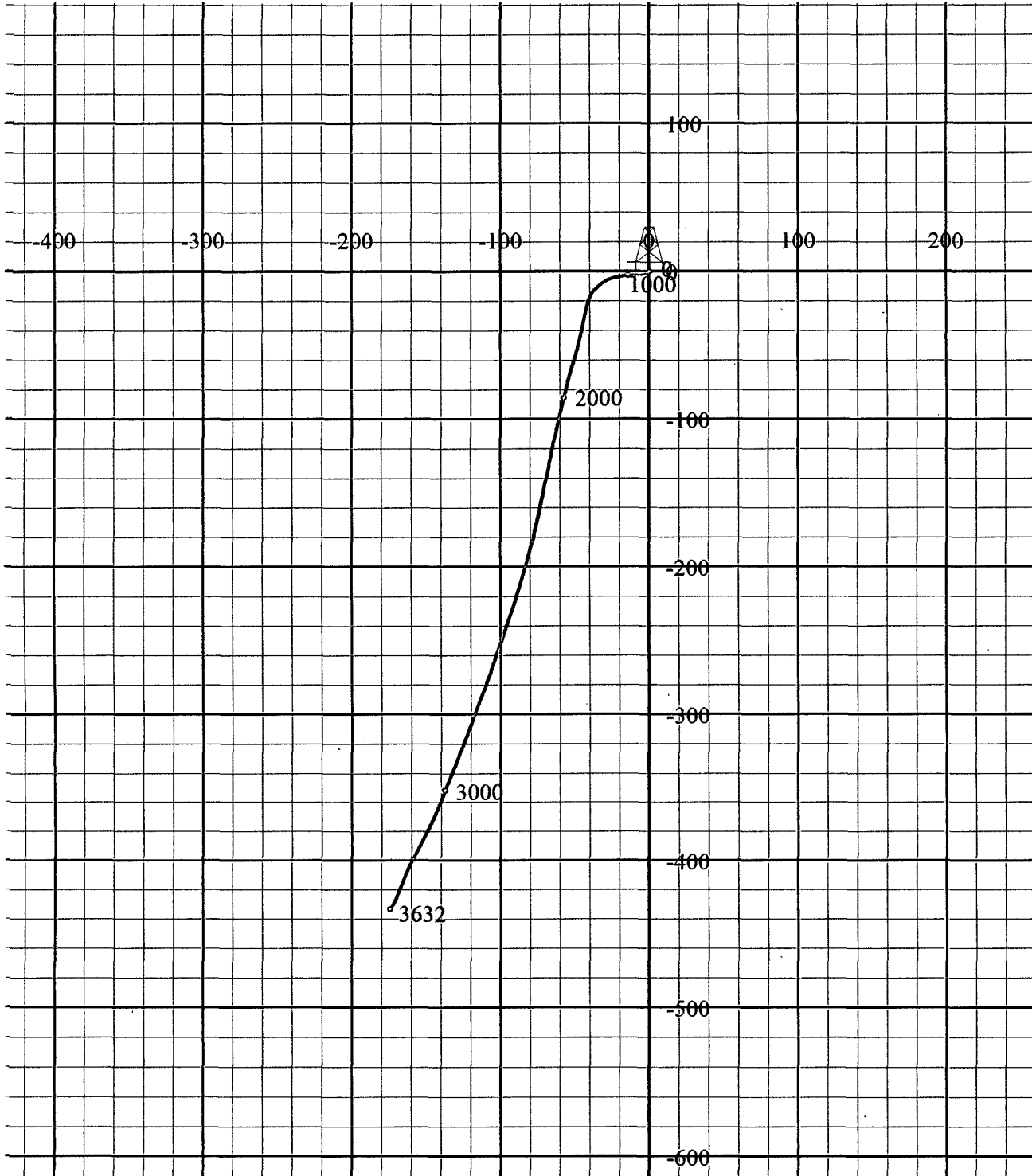


Azimuths to True North
Magnetic North: 0.00°

Magnetic Field
Strength: 0nT
Dip Angle: 0.00°
Date: 05/14/2008
Model: igrf2000

West(-)/East(+) [50ft/in]

South(-)/North(+) [50ft/in]



Survey Data					
Date	MD (RKB)	Incl (°)	Method	Survey Company	
4/28/2008	2,387.00	15.89	MWD	Scientific Drilling	
4/28/2008	2,451.00	16.29	MWD	Scientific Drilling	
4/28/2008	2,515.00	16.49	MWD	Scientific Drilling	
4/28/2008	2,579.00	16.70	MWD	Scientific Drilling	
4/29/2008	2,643.00	16.85	MWD	Scientific Drilling	
4/29/2008	2,707.00	16.10	MWD	Scientific Drilling	
4/29/2008	2,770.00	15.94	MWD	Scientific Drilling	
4/29/2008	2,833.00	16.08	MWD	Scientific Drilling	
4/29/2008	2,896.00	16.42	MWD	Scientific Drilling	
4/29/2008	2,960.00	16.01	MWD	Scientific Drilling	
4/29/2008	3,024.00	15.14	MWD	Scientific Drilling	
4/29/2008	3,088.00	14.42	MWD	Scientific Drilling	
4/29/2008	3,151.00	12.42	MWD	Scientific Drilling	
4/29/2008	3,215.00	11.18	MWD	Scientific Drilling	
4/30/2008	3,279.00	10.07	MWD	Scientific Drilling	
4/30/2008	3,343.00	8.47	MWD	Scientific Drilling	
4/30/2008	3,407.00	6.27	MWD	Scientific Drilling	
4/30/2008	3,470.00	5.58	MWD	Scientific Drilling	
5/1/2008	3,534.00	4.88	MWD	Scientific Drilling	
5/1/2008	3,597.00	3.28	MWD	Scientific Drilling	
5/1/2008	3,629.00	2.32	MWD	Scientific Drilling	
5/1/2008	3,661.00	1.95	MWD	Scientific Drilling	
5/1/2008	3,743.00	1.83	MWD	Scientific Drilling	
5/7/2008	4,123.00	0.75	Incl	TOTCO	
5/7/2008	4,599.00	0.25	Incl	TOTCO	
5/7/2008	5,100.00	0.25	Incl	TOTCO	
5/7/2008	5,615.00	0.75	Incl	TOTCO	
5/9/2008	6,089.00	0.75	Incl	TOTCO	
5/10/2008	6,600.00	0.50	Incl	TOTCO	
5/11/2008	7,034.00	0.50	Incl	TOTCO	
5/11/2008	7,542.00	0.50	Incl	TOTCO	
5/11/2008	8,041.00	1.50	Incl	TOTCO	

RCVD JUL 16 '08
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.

Subscribed and sworn to me this 7-15-08

Shonda S. Rogers
Notary Public in and for San Juan County, New Mexico

My Commission expires January 10, 2011

Operator BURLINGTON RESOURCES OIL & GAS CO	Legal WellName SAN JUAN 27-5 UNIT POW #916	API / UWI 3003930300	County RIO ARRIBA	State/Province NEW MEXICO
Surface Legal Location SEC:08;TWN:027N;RNG:005W	N/S Dist (ft) 2,541.00	N/S Ref FNL	E/W Dist (ft) 2,452.00	E/W Ref FWL

Survey Data					
Date	MD (ftKB)	Incl (°)	Method	Survey Company	
4/24/2008	150.00	0.75	Incl	TOTCO	
4/24/2008	260.00	0.75	Incl	TOTCO	
4/27/2008	306.00	0.48	MWD	Scientific Drilling	
4/27/2008	367.00	0.31	MWD	Scientific Drilling	
4/27/2008	428.00	0.63	MWD	Scientific Drilling	
4/27/2008	490.00	0.61	MWD	Scientific Drilling	
4/27/2008	551.00	0.94	MWD	Scientific Drilling	
4/27/2008	611.00	0.88	MWD	Scientific Drilling	
4/27/2008	673.00	0.97	MWD	Scientific Drilling	
4/27/2008	734.00	1.28	MWD	Scientific Drilling	
4/27/2008	766.00	1.43	MWD	Scientific Drilling	
4/27/2008	861.00	1.52	MWD	Scientific Drilling	
4/27/2008	925.00	2.25	MWD	Scientific Drilling	
4/27/2008	989.00	2.27	MWD	Scientific Drilling	
4/27/2008	1,052.00	2.66	MWD	Scientific Drilling	
4/27/2008	1,115.00	2.88	MWD	Scientific Drilling	
4/27/2008	1,179.00	3.07	MWD	Scientific Drilling	
4/27/2008	1,243.00	3.70	MWD	Scientific Drilling	
4/27/2008	1,306.00	3.99	MWD	Scientific Drilling	
4/27/2008	1,371.00	4.09	MWD	Scientific Drilling	
4/27/2008	1,434.00	3.89	MWD	Scientific Drilling	
4/28/2008	1,498.00	4.01	MWD	Scientific Drilling	
4/28/2008	1,562.00	4.57	MWD	Scientific Drilling	
4/28/2008	1,626.00	5.44	MWD	Scientific Drilling	
4/28/2008	1,690.00	6.81	MWD	Scientific Drilling	
4/28/2008	1,753.00	8.61	MWD	Scientific Drilling	
4/28/2008	1,817.00	9.80	MWD	Scientific Drilling	
4/28/2008	1,879.00	10.60	MWD	Scientific Drilling	
4/28/2008	1,943.00	11.26	MWD	Scientific Drilling	
4/28/2008	2,006.00	12.15	MWD	Scientific Drilling	
4/28/2008	2,070.00	13.00	MWD	Scientific Drilling	
4/28/2008	2,134.00	13.83	MWD	Scientific Drilling	
4/28/2008	2,197.00	15.02	MWD	Scientific Drilling	
4/28/2008	2,260.00	15.40	MWD	Scientific Drilling	
4/28/2008	2,324.00	15.65	MWD	Scientific Drilling	

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 _____

Notary Public in and for San Juan County, New Mexico

My Commission expires _____

A Gyrodata Directional Survey

ConocoPhillips, Inc.

Lease: San Juan 27-5 Pow Well: 916, 5-1/2" Casing

Location: Key #30, Rio Arriba County, New Mexico

Job Number: RM0608G_481

MEASURED DEPTH feet	I N C L deg.	AZIMUTH deg.	BORE HOLE BEARING deg. min.	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
0.00	0.00	0.00	N 0 0 E	0.00	0.00	0.0 0.0	0.00 N 0.00 E

0 - 7984 FT RATE GYROSCOPIC MULTISHOT SURVEY RUN INSIDE 5-1/2" CASING							
ALL MEASURED DEPTHS AND COORDINATES REFERENCED TO KEY#30 R.K.B. OF 10 FT							
DEPTHS EVERY 200 FT. AS PER COMPANY MAN							

200.00	0.46	238.70	S 58 42 W	0.23	200.00	0.8 238.7	0.42 S 0.69 W
400.00	0.40	258.14	S 78 9 W	0.08	399.99	2.3 244.5	0.99 S 2.06 W
600.00	0.83	253.71	S 73 42 W	0.22	599.98	4.4 249.6	1.53 S 4.13 W
800.00	1.28	260.55	S 80 33 W	0.23	799.95	8.0 253.4	2.31 S 7.71 W
1000.00	1.93	263.00	S 83 0 W	0.33	999.87	13.6 256.9	3.08 S 13.25 W
1200.00	3.03	259.18	S 79 11 W	0.55	1199.68	22.2 258.4	4.48 S 21.78 W
1400.00	3.78	234.15	S 54 9 W	0.82	1399.33	33.6 253.9	9.33 S 32.31 W
1600.00	4.74	197.32	S 17 19 W	1.42	1598.82	45.3 242.3	21.09 S 40.11 W
1800.00	8.88	192.23	S 12 14 W	2.09	1797.36	63.6 226.1	44.07 S 45.85 W
2000.00	12.21	192.99	S 12 59 W	1.67	1993.96	96.3 214.0	79.78 S 53.87 W
2200.00	14.45	191.56	S 11 33 W	1.13	2188.56	140.1 207.0	124.85 S 63.63 W
2400.00	15.73	193.46	S 13 27 W	0.69	2381.65	191.0 203.1	175.67 S 74.94 W
2600.00	16.62	198.40	S 18 24 W	0.82	2573.74	246.3 201.5	229.19 S 90.28 W
2800.00	15.60	200.47	S 20 28 W	0.58	2765.89	301.8 201.1	281.53 S 108.72 W
3000.00	15.19	200.51	S 20 31 W	0.21	2958.71	354.9 201.0	331.27 S 127.31 W
3200.00	11.17	207.57	S 27 34 W	2.16	3153.41	400.4 201.3	373.00 S 145.46 W
3400.00	6.74	204.27	S 24 16 W	2.23	3350.93	431.4 201.7	400.89 S 159.26 W
3600.00	3.46	210.29	S 30 17 W	1.66	3550.11	449.1 201.8	416.80 S 167.13 W
3800.00	0.95	222.22	S 42 13 W	1.27	3749.94	456.6 202.0	423.25 S 171.29 W

A Gyrodata Directional Survey

ConocoPhillips, Inc.

Lease: San Juan 27-5 Pow Well: 916, 5-1/2" Casing

Location: Key #30, Rio Arriba County, New Mexico

Job Number: RM0608G_481

MEASURED DEPTH feet	I N C L deg.	AZIMUTH deg.	BORE HOLE BEARING deg. min.	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
4000.00	0.31	232.97	S 52 58 W	0.33	3949.93	458.6 202.1	424.80 S 172.84 W
4200.00	0.40	232.40	S 52 24 W	0.05	4149.93	459.7 202.2	425.55 S 173.82 W
4400.00	0.17	233.55	S 53 33 W	0.11	4349.92	460.6 202.3	426.16 S 174.62 W
4600.00	0.13	268.00	S 88 0 W	0.05	4549.92	460.9 202.3	426.35 S 175.09 W
4800.00	0.37	258.75	S 78 45 W	0.12	4749.92	461.4 202.4	426.49 S 175.95 W
5000.00	0.14	270.09	N 89 55 W	0.12	4949.92	461.8 202.5	426.61 S 176.82 W
5200.00	0.15	343.51	N 16 29 W	0.09	5149.92	461.7 202.6	426.36 S 177.14 W
5400.00	0.65	29.82	N 29 49 E	0.28	5349.91	460.4 202.6	425.12 S 176.65 W
5600.00	0.37	295.78	N 64 13 W	0.39	5549.91	459.2 202.6	423.86 S 176.67 W
5800.00	0.41	200.17	S 20 10 W	0.29	5749.91	459.9 202.7	424.25 S 177.50 W
6000.00	0.22	198.43	S 18 26 W	0.10	5949.90	461.0 202.7	425.28 S 177.87 W
6200.00	0.24	204.01	S 24 0 W	0.01	6149.90	461.8 202.7	426.01 S 178.15 W
6400.00	0.37	280.60	N 79 24 W	0.20	6349.90	462.3 202.8	426.27 S 178.96 W
6600.00	0.31	257.05	S 77 3 W	0.08	6549.89	462.8 202.9	426.27 S 180.14 W
6800.00	0.24	266.20	S 86 12 W	0.04	6749.89	463.3 203.0	426.42 S 181.08 W
7000.00	0.16	349.11	N 10 54 W	0.13	6949.89	463.2 203.1	426.18 S 181.54 W
7200.00	0.10	100.77	S 79 14 E	0.11	7149.89	463.0 203.1	425.94 S 181.43 W
7400.00	0.08	149.99	S 30 0 E	0.04	7349.89	463.0 203.0	426.10 S 181.19 W
7600.00	0.24	187.70	S 7 42 W	0.09	7549.89	463.5 203.0	426.64 S 181.17 W
7800.00	0.97	151.42	S 28 35 E	0.39	7749.88	465.0 202.8	428.54 S 180.42 W
7984.00	0.75	155.98	S 24 1 E	0.12	7933.86	466.8 202.6	431.02 S 179.18 W

Final Station Closure: Distance: 466.78 ft Az: 202.57 deg.