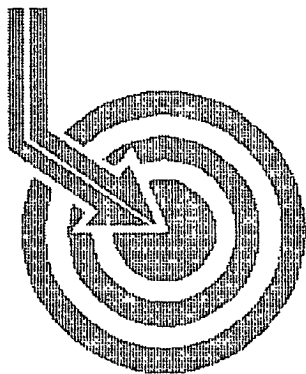




Scientific Drilling

30-045-33699
1090/N-1080/W
1570/N-962/W
MD 8170
TVd 8089

10-15-07

ConocoPhillips

~~BURLINGTON RESOURCES~~

Field: San Juan
Site: Rio Arriba County, NM
Well: San Juan 32-8 #16M
Wellpath: DH - Job #32D1006860
Survey: 10/22/06-10/27/06

RCVD OCT 3 '07

OIL CONS. DIV.

DIST. 3

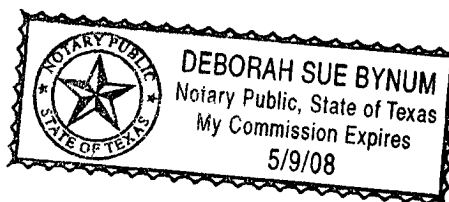
This survey is correct to the best of my knowledge
and is supported by actual field data.

.....Luhasto..... Company Representative

Notorized this date 27th of September, 2007.

Deborah Sue Bynum

Notary Signature
County of Midland
State of Texas



8



Scientific
Drilling

Scientific Drilling International Survey Report

Company: BURLINGTON RESOURCES	Date: 09/27/2007	Time: 16:03:39	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 32-8 #16M	Section (VS) Reference: Well (0.00N,0.00E,199.44Azi)		
Wellpath: DH - Job #32D1006860	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Survey: 10/22/06-10/27/06	Start Date: 10/22/2006
E-field: 0'-3102'	
Company: Scientific Drilling Internatio	Engineer: Prejean/Gillespie/Stelzer/Will
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
518.00	1.22	261.44	517.96	2.59	-0.82	-5.45	0.24	5.51	261.44
759.00	1.82	256.16	758.88	5.89	-2.12	-11.71	0.26	11.90	259.74
943.00	2.42	267.10	942.75	8.97	-3.01	-18.42	0.39	18.67	260.71
1005.00	2.79	264.70	1004.68	10.10	-3.22	-21.23	0.62	21.48	261.38
1068.00	4.05	255.33	1067.57	11.99	-3.92	-24.91	2.18	25.22	261.05
1131.00	5.00	250.74	1130.38	14.96	-5.39	-29.66	1.61	30.14	259.69
1193.00	5.85	244.88	1192.10	18.86	-7.63	-35.07	1.63	35.89	257.73
1256.00	7.38	239.10	1254.68	24.23	-11.07	-41.45	2.65	42.90	255.05
1319.00	9.16	232.49	1317.02	31.55	-16.20	-48.90	3.20	51.51	251.67
1379.00	9.70	231.29	1376.21	39.85	-22.27	-56.63	0.96	60.85	248.53
1441.00	10.39	221.12	1437.26	49.48	-29.75	-64.38	3.06	70.92	245.20
1504.00	12.66	211.80	1498.99	61.50	-39.90	-71.76	4.65	82.10	240.93
1567.00	15.52	203.42	1560.10	76.66	-53.50	-78.75	5.57	95.20	235.81
1629.00	17.43	196.54	1619.56	94.21	-70.02	-84.69	4.40	109.89	230.42
1691.00	19.45	191.86	1678.37	113.72	-89.02	-89.46	4.04	126.21	225.14
1722.00	20.07	188.69	1707.55	124.06	-99.33	-91.32	3.99	134.93	222.59
1753.00	20.40	188.36	1736.64	134.59	-109.94	-92.91	1.13	143.94	220.20
1815.00	21.52	187.44	1794.53	156.32	-131.91	-95.95	1.88	163.11	216.03
1875.00	21.47	187.45	1850.36	177.83	-153.71	-98.80	0.08	182.72	212.73
1938.00	21.13	187.20	1909.06	200.20	-176.40	-101.72	0.56	203.63	209.97
1998.00	21.16	187.80	1965.02	221.38	-197.86	-104.55	0.36	223.78	207.85
2061.00	20.93	190.73	2023.82	243.64	-220.18	-108.18	1.71	245.33	206.17
2122.00	21.48	191.36	2080.69	265.46	-241.84	-112.41	0.98	266.69	204.93
2182.00	22.59	193.98	2136.30	287.81	-263.79	-117.36	2.47	288.72	203.98
2243.00	22.50	194.56	2192.64	311.11	-286.46	-123.13	0.39	311.80	203.26
2305.00	21.97	193.81	2250.03	334.47	-309.20	-128.88	0.97	334.99	202.63
2366.00	21.57	194.53	2306.68	357.00	-331.14	-134.41	0.79	357.38	202.09
2429.00	20.88	195.26	2365.41	379.73	-353.18	-140.27	1.17	380.02	201.66
2491.00	19.35	192.75	2423.62	400.95	-373.86	-145.45	2.83	401.16	201.26
2554.00	18.26	191.71	2483.26	421.10	-393.70	-149.76	1.81	421.22	200.83
2616.00	16.80	191.26	2542.38	439.60	-412.00	-153.48	2.36	439.66	200.43
2676.00	14.69	191.03	2600.13	455.71	-427.98	-156.63	3.52	455.74	200.10
2739.00	11.36	185.85	2661.50	469.64	-441.99	-158.79	5.60	469.65	199.76
2802.00	10.41	189.59	2723.36	481.28	-453.78	-160.37	1.88	481.28	199.46
2864.00	8.41	188.51	2784.53	491.25	-463.79	-161.97	3.24	491.26	199.25
2927.00	6.69	185.94	2846.98	499.35	-471.99	-163.03	2.78	499.36	199.06
2989.00	4.82	176.01	2908.67	505.25	-478.19	-163.23	3.41	505.28	198.85
3021.00	4.31	173.24	2940.56	507.56	-480.72	-162.99	1.74	507.60	198.73
3052.00	3.91	171.35	2971.48	509.54	-482.92	-162.69	1.36	509.59	198.62
3102.00	3.26	168.30	3021.39	512.26	-486.00	-162.15	1.35	512.34	198.45



Scientific
Drilling

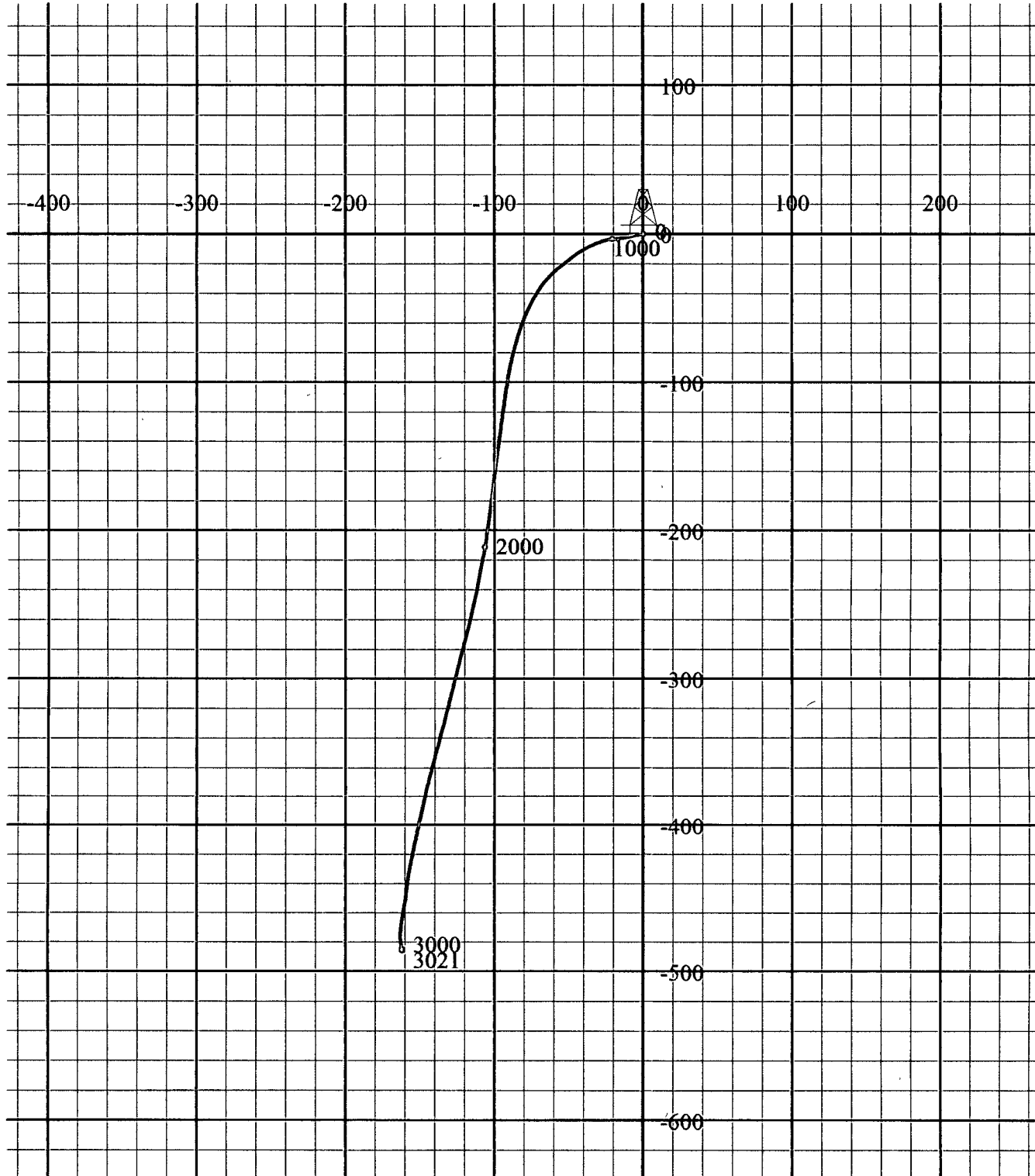
Field: San Juan
Site: Rio Arriba County, NM
Well: San Juan 32-8 #16M
Wellpath: DH - Job #32D1006860
Survey: 10/22/06-10/27/06

G/T/M

Azimuths to Grid North
True North: 0.00°
Magnetic North: 0.00°

Magnetic Field
Strength: 0nT
Dip Angle: 0.00°
Date: 11/29/2006
Model: igrf2000

West(-)/East(+) [100ft/in]



South(-)/North(+) [100ft/in]