

AS DRILLED PLAT

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240

DISTRICT II
1301 West Grand Avenue, Artesia, N.M. 88210

DISTRICT III
1000 Rio Brazos Rd., Asteo, N.M. 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

Form C-102
Revised October 12, 2005

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

RCVD MAR 11 '09
☐ AMENDED REPORT

OIL CONS. DIV.
DIST. 3

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30519	² Pool Code 72319/71599	³ Pool Name BASIN DAKOTA/BLANCO MESAVERDE
⁴ Property Code 7465	⁵ Property Name SAN JUAN 29-7 UNIT	⁶ Well Number 105E
⁷ OGHD No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP	⁹ Elevation 8631'

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
H	36	29-N	7-W		1705'	NORTH	1025'	EAST	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
G	36	29-N	7-W		1787	NORTH	2254	EAST	RIO ARRIBA

¹² Dedicated Acres
BD 320.00 ACRES E 1/2
MV 320.00 ACRES E 1/2

¹³ Joint or Infill

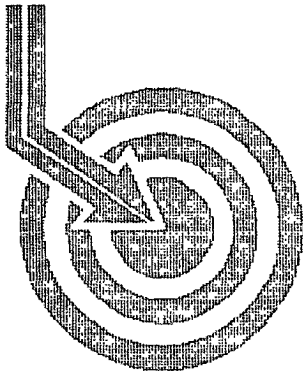
¹⁴ Consolidation Code

¹⁵ Order No.
RCVD MAR 6 '09
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

BOTTOM HOLE LAT: 36°41.0710' N. LONG: 107°31.2312' W. NAD 1927 SURFACE LAT: 36.684524° N. LONG: 107.521126° W. NAD 1983	N 89° 45' 16" W 2638.70' 1787' 1705' 2254' 1025' NEW MEXICO, ST OF E-5111-7	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 undivided 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 a working interest or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Tracey N. Monroe</i> Signature Tracey N. Monroe Printed Name
36	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. 1-21-09 Date of Survey <i>Glen W. Russell</i> Signature GLEN W. RUSSELL NEW MEXICO 15703 LICENSED PROFESSIONAL SURVEYOR <i>Glen W. Russell</i> Certificate Number 15703	

HOLD C104 FOR deviation survey to T.D.



Scientific Drilling

RCVD MAR 6 '09
OIL CONS. DIV.
DIST. 3

BURLINGTON RESOURCES

Field: San Juan
Site: Rio Arriba County, NM
Well: San Juan 29-7 #105E
Wellpath: DH - Job #33D1108270
Survey: 12/08/08-12/15/08

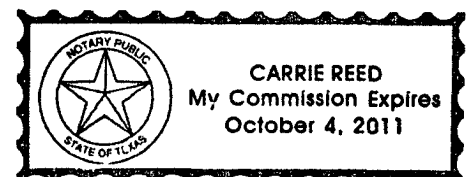
RCVD MAR 11 '09
OIL CONS. DIV.
DIST. 3

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

.....Lucho.....Company Representative

Notorized this date 20th of December, 2008.

Carrie Reed
Notary Signature
County of Midland
State of Texas





Scientific Drilling International Survey Report

Company: BURLINGTON RESOURCES	Date: 12/30/2008	Time: 15:35:14	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 29-7 #105#	Section (VS) Reference: Well (0.00N,0.00E,266.05Azi)		
Wellpath: DH - Job #33D1108270	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Survey: 12/08/08-12/15/08	Start Date: 12/08/2008
E-field: 0'-4685'	
Company: Scientific Drilling Internatio	Engineer: Burrus/Webb/Meziere/Clifton/Mi
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
390.00	0.86	51.32	389.99	-2.41	1.83	2.28	0.22	2.93	51.32
421.00	0.82	22.07	420.98	-2.69	2.18	2.55	1.37	3.35	49.47
452.00	0.83	335.25	451.98	-2.71	2.59	2.54	2.11	3.63	44.44
483.00	1.07	308.38	482.98	-2.42	2.97	2.22	1.61	3.71	36.73
513.00	1.94	287.10	512.96	-1.74	3.30	1.51	3.40	3.63	24.66
544.00	2.83	283.26	543.94	-0.52	3.63	0.27	2.92	3.64	4.21
572.00	3.70	287.92	571.89	0.98	4.06	-1.27	3.25	4.26	342.70
605.00	4.55	286.51	604.81	3.20	4.76	-3.53	2.59	5.93	323.43
636.00	5.57	285.18	635.68	5.77	5.51	-6.16	3.31	8.27	311.77
667.00	6.55	284.59	666.51	8.87	6.35	-9.33	3.17	11.28	304.23
696.00	7.27	279.97	695.30	12.22	7.08	-12.74	3.13	14.57	299.07
727.00	8.13	279.45	726.02	16.25	7.78	-16.83	2.78	18.54	294.81
757.00	9.06	279.35	755.68	20.62	8.51	-21.25	3.10	22.89	291.82
789.00	9.85	279.46	787.25	25.73	9.37	-26.44	2.47	28.05	289.51
820.00	11.00	278.14	817.74	31.20	10.22	-31.98	3.79	33.58	287.73
852.00	11.99	275.21	849.09	37.47	10.96	-38.32	3.59	39.85	285.96
884.00	13.25	276.53	880.32	44.36	11.68	-45.27	4.04	46.75	284.47
916.00	14.42	276.11	911.39	51.89	12.52	-52.87	3.67	54.34	283.32
946.00	15.74	273.68	940.36	59.60	13.18	-60.65	4.88	62.06	282.26
978.00	16.76	274.34	971.08	68.47	13.81	-69.58	3.24	70.94	281.22
1010.00	17.65	272.75	1001.65	77.85	14.39	-79.03	3.15	80.33	280.32
1042.00	18.69	270.58	1032.05	87.78	14.67	-89.00	3.88	90.20	279.36
1074.00	19.39	268.92	1062.30	98.20	14.62	-99.44	2.77	100.51	278.37
1105.00	20.34	270.12	1091.46	108.71	14.54	-109.97	3.33	110.93	277.53
1137.00	20.77	267.06	1121.42	119.93	14.26	-121.20	3.62	122.04	276.71
1169.00	20.68	267.74	1151.35	131.25	13.75	-132.51	0.80	133.22	275.92
1201.00	20.40	267.47	1181.31	142.47	13.28	-143.73	0.92	144.34	275.28
1233.00	19.52	265.57	1211.39	153.40	12.62	-154.63	3.42	155.15	274.66
1294.00	19.10	261.59	1268.96	173.54	10.37	-174.67	2.26	174.98	273.40
1326.00	18.84	262.05	1299.23	183.91	8.89	-184.96	0.94	185.18	272.75
1358.00	17.93	260.62	1329.59	193.97	7.37	-194.94	3.17	195.08	272.17
1421.00	17.29	258.63	1389.64	212.91	3.95	-213.69	1.39	213.72	271.06
1485.00	17.59	257.89	1450.70	231.91	0.04	-232.47	0.58	232.47	270.01
1548.00	17.83	258.52	1510.71	250.90	-3.87	-251.23	0.49	251.26	269.12
1580.00	18.09	259.24	1541.15	260.69	-5.78	-260.91	1.07	260.97	268.73
1611.00	17.51	258.36	1570.67	270.09	-7.62	-270.20	2.06	270.31	268.39
1675.00	16.71	259.13	1631.84	288.76	-11.29	-288.67	1.30	288.89	267.76
1737.00	16.88	259.57	1691.19	306.56	-14.60	-306.28	0.34	306.62	267.27
1812.00	17.65	263.18	1762.81	328.73	-17.93	-328.28	1.76	328.77	266.87
1832.00	17.69	260.86	1781.87	334.79	-18.77	-334.29	3.53	334.81	266.79
1864.00	18.27	262.72	1812.31	344.64	-20.18	-344.06	2.55	344.65	266.64
1895.00	18.85	263.81	1841.70	354.49	-21.33	-353.86	2.18	354.50	266.55
1959.00	18.66	264.72	1902.30	375.06	-23.39	-374.34	0.55	375.07	266.42
2020.00	19.14	266.46	1960.01	394.81	-24.91	-394.03	1.21	394.82	266.38
2081.00	20.03	268.35	2017.48	415.25	-25.82	-414.46	1.79	415.26	266.43
2113.00	20.62	269.74	2047.49	426.35	-26.01	-425.57	2.38	426.36	266.50
2144.00	21.14	271.18	2076.45	437.37	-25.92	-436.62	2.36	437.39	266.60
2176.00	21.47	271.34	2106.26	448.95	-25.66	-448.24	1.05	448.98	266.72



Scientific Drilling International Survey Report

Company: BURLINGTON RESOURCES
Field: San Juan
Site: Rio Arriba County, NM
Well: San Juan 29-7 #105#
Wellpath: DH - Job #33D1108270

Date: 12/30/2008 Time: 15:35:14 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,266.05Azi)
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
2208.00	21.38	271.17	2136.05	460.59	-25.40	-459.93	0.34	460.63	266.84
2240.00	22.15	270.34	2165.77	472.41	-25.25	-471.79	2.59	472.47	266.94
2272.00	22.39	272.34	2195.39	484.48	-24.97	-483.91	2.48	484.56	267.05
2304.00	22.96	272.04	2224.91	496.75	-24.49	-496.24	1.82	496.85	267.17
2336.00	23.30	272.50	2254.34	509.25	-24.00	-508.80	1.20	509.37	267.30
2367.00	23.73	272.46	2282.77	521.54	-23.46	-521.16	1.39	521.69	267.42
2431.00	23.83	273.01	2341.33	547.17	-22.23	-546.94	0.38	547.39	267.67
2491.00	23.38	270.81	2396.31	571.06	-21.42	-570.94	1.65	571.35	267.85
2554.00	22.97	270.94	2454.23	595.77	-21.05	-595.73	0.66	596.11	267.98
2618.00	23.83	267.83	2512.97	621.14	-21.33	-621.14	2.35	621.51	268.03
2681.00	24.27	267.86	2570.50	646.80	-22.30	-646.80	0.70	647.18	268.03
2745.00	23.54	264.24	2629.01	672.72	-24.07	-672.66	2.56	673.09	267.95
2809.00	22.24	263.31	2687.97	697.59	-26.76	-697.41	2.11	697.92	267.80
2871.00	23.12	263.01	2745.17	721.47	-29.61	-721.14	1.43	721.75	267.65
2935.00	22.82	264.69	2804.10	746.42	-32.29	-745.97	1.13	746.67	267.52
2998.00	23.05	265.32	2862.12	770.97	-34.43	-770.43	0.53	771.20	267.44
3061.00	22.35	263.64	2920.24	795.27	-36.76	-794.62	1.51	795.47	267.35
3124.00	21.54	264.82	2978.68	818.80	-39.13	-818.05	1.46	818.98	267.26
3188.00	20.69	263.93	3038.38	841.85	-41.39	-840.99	1.42	842.01	267.18
3252.00	21.07	262.30	3098.18	864.62	-44.12	-863.64	1.08	864.76	267.08
3284.00	20.91	263.99	3128.05	876.07	-45.49	-875.01	1.96	876.20	267.02
3315.00	19.86	262.88	3157.11	886.86	-46.72	-885.74	3.61	886.97	266.98
3347.00	19.32	263.14	3187.26	897.57	-48.03	-896.39	1.71	897.68	266.93
3379.00	19.79	264.06	3217.41	908.27	-49.22	-907.03	1.76	908.37	266.89
3410.00	20.00	264.87	3246.56	918.82	-50.24	-917.53	1.12	918.91	266.87
3441.00	19.12	265.71	3275.77	929.19	-51.09	-927.88	2.98	929.28	266.85
3473.00	18.57	266.92	3306.06	939.53	-51.76	-938.19	2.11	939.62	266.84
3504.00	18.13	265.94	3335.48	949.29	-52.37	-947.93	1.73	949.38	266.84
3535.00	18.42	265.67	3364.92	959.01	-53.08	-957.63	0.97	959.10	266.83
3567.00	19.59	265.21	3395.17	969.43	-53.91	-968.01	3.69	969.51	266.81
3599.00	20.84	266.70	3425.20	980.48	-54.68	-979.04	4.22	980.57	266.80
3631.00	20.94	266.73	3455.10	991.89	-55.34	-990.44	0.31	991.98	266.80
3662.00	20.55	266.88	3484.09	1002.87	-55.95	-1001.40	1.27	1002.96	266.80
3694.00	20.45	264.79	3514.06	1014.08	-56.76	-1012.57	2.31	1014.16	266.79
3725.00	20.04	264.63	3543.15	1024.80	-57.75	-1023.26	1.33	1024.88	266.77
3757.00	20.09	264.52	3573.20	1035.78	-58.79	-1034.18	0.20	1035.85	266.75
3788.00	19.31	264.17	3602.39	1046.22	-59.82	-1044.58	2.54	1046.30	266.72
3820.00	19.04	260.57	3632.62	1056.71	-61.21	-1055.00	3.79	1056.77	266.68
3851.00	18.06	259.44	3662.00	1066.51	-62.92	-1064.71	3.37	1066.57	266.62
3883.00	17.45	259.55	3692.48	1076.21	-64.70	-1074.30	1.91	1076.25	266.55
3915.00	17.14	259.13	3723.03	1085.66	-66.46	-1083.65	1.04	1085.69	266.49
3947.00	16.57	260.45	3753.66	1094.88	-68.11	-1092.78	2.15	1094.90	266.43
3979.00	14.85	261.58	3784.46	1103.51	-69.46	-1101.34	5.46	1103.53	266.39
4010.00	12.90	261.64	3814.56	1110.92	-70.55	-1108.69	6.29	1110.94	266.36
4042.00	12.14	260.87	3845.80	1117.83	-71.60	-1115.55	2.43	1117.85	266.33
4074.00	12.08	263.42	3877.08	1124.53	-72.52	-1122.20	1.68	1124.54	266.30
4105.00	12.13	263.42	3907.39	1131.02	-73.26	-1128.66	0.16	1131.03	266.29
4135.00	12.05	265.45	3936.73	1137.30	-73.87	-1134.91	1.44	1137.31	266.28
4167.00	11.92	270.75	3968.03	1143.94	-74.10	-1141.54	3.46	1143.95	266.29
4198.00	11.88	269.67	3998.37	1150.31	-74.07	-1147.94	0.73	1150.32	266.31
4230.00	11.69	269.72	4029.69	1156.83	-74.11	-1154.47	0.59	1156.85	266.33
4262.00	11.92	268.86	4061.01	1163.37	-74.19	-1161.02	0.90	1163.39	266.34



Scientific Drilling International Survey Report

Company: BURLINGTON RESOURCES
Field: San Juan
Site: Rio Arriba County, NM
Well: San Juan 29-7 #105#
Wellpath: DH - Job #33D1108270

Date: 12/30/2008 Time: 15:35:14 Page: 3
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,266.05Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

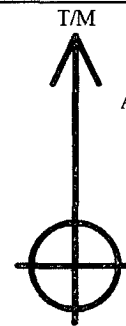
Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
4294.00	12.34	269.65	4092.30	1170.08	-74.28	-1167.74	1.41	1170.10	266.36
4325.00	13.04	268.80	4122.54	1176.88	-74.37	-1174.55	2.34	1176.90	266.38
4357.00	12.51	266.99	4153.75	1183.95	-74.63	-1181.62	2.08	1183.98	266.39
4389.00	10.95	267.50	4185.08	1190.46	-74.94	-1188.12	4.89	1190.48	266.39
4420.00	9.74	264.29	4215.58	1196.02	-75.33	-1193.67	4.32	1196.04	266.39
4452.00	9.00	259.59	4247.15	1201.22	-76.05	-1198.83	3.32	1201.23	266.37
4483.00	9.17	256.16	4277.76	1206.06	-77.08	-1203.61	1.83	1206.07	266.34
4515.00	9.20	253.59	4309.35	1211.07	-78.41	-1208.54	1.29	1211.08	266.29
4546.00	8.90	255.04	4339.97	1215.84	-79.73	-1213.23	1.22	1215.85	266.24
4578.00	8.31	257.31	4371.61	1220.56	-80.88	-1217.88	2.13	1220.56	266.20
4608.00	7.21	257.98	4401.33	1224.56	-81.75	-1221.84	3.68	1224.57	266.17
4639.00	5.96	265.70	4432.13	1228.10	-82.27	-1225.34	4.93	1228.10	266.16
4670.00	4.58	271.34	4462.99	1230.94	-82.37	-1228.19	4.75	1230.94	266.16
4685.00	4.23	271.93	4477.95	1232.09	-82.33	-1229.34	2.35	1232.09	266.17



**Scientific
Drilling**

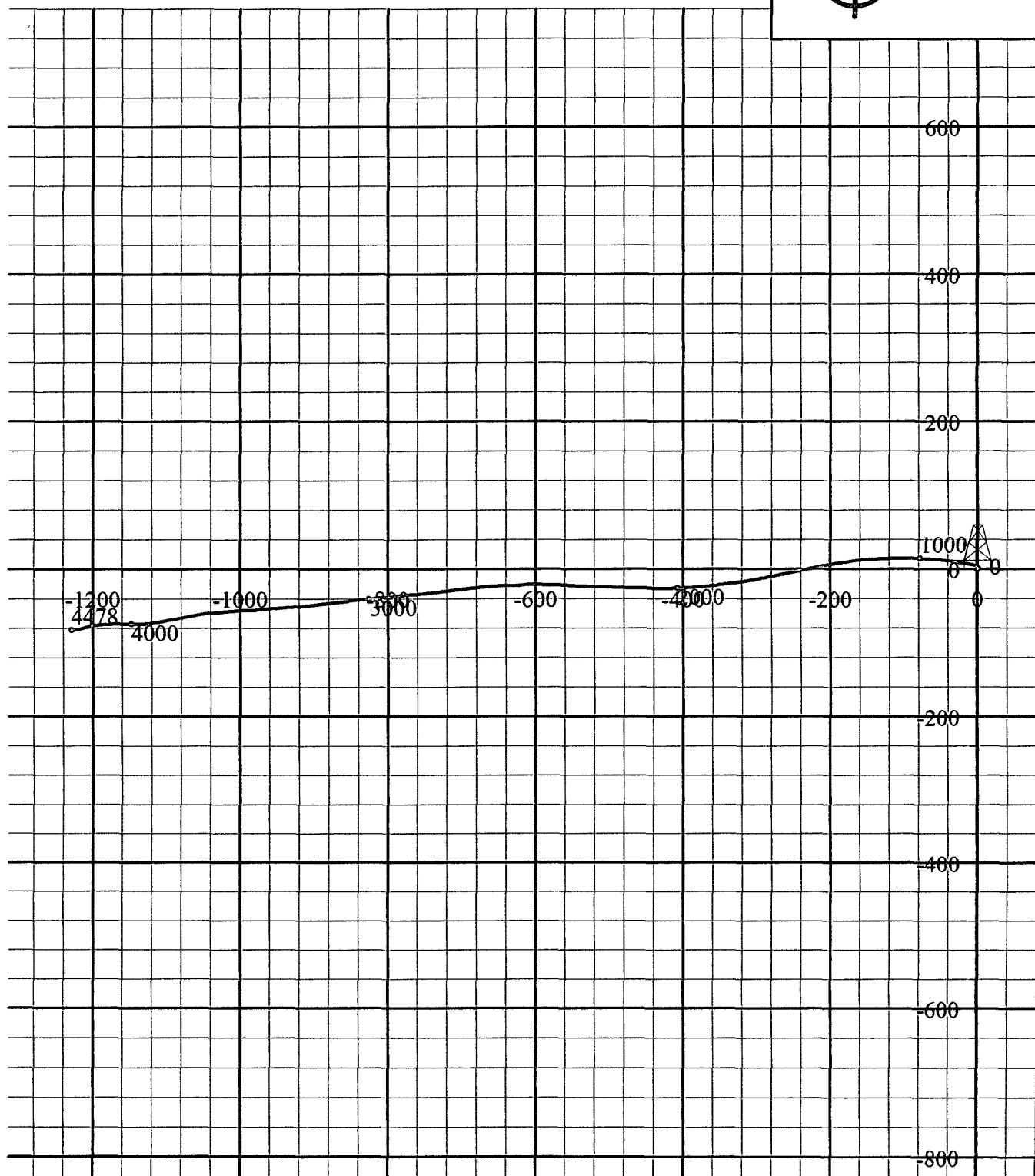
Field: San Juan
Site: Rio Arriba County, NM
Well: San Juan 29-7 #105#
Wellpath: DH - Job #33D1108270
Survey: 12/08/08-12/15/08



Azimuths to True North
Magnetic North: 0.00°

Magnetic Field
Strength: 0nT
Dip Angle: 0.00°
Date: 12/30/2008
Model: igrf2000

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



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