

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., Aztec, 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

"AS DRILLED PLAT"

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30618	² Pool Code 72319 / 71599	³ Pool Name BLANCO MESAVERDE/BASIN DAKOTA
⁴ Property Code 7452	⁵ Property Name SAN JUAN 27-4 UNIT	⁶ Well Number 109A
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP	⁹ Elevation 6948'

¹⁰ Surface Location

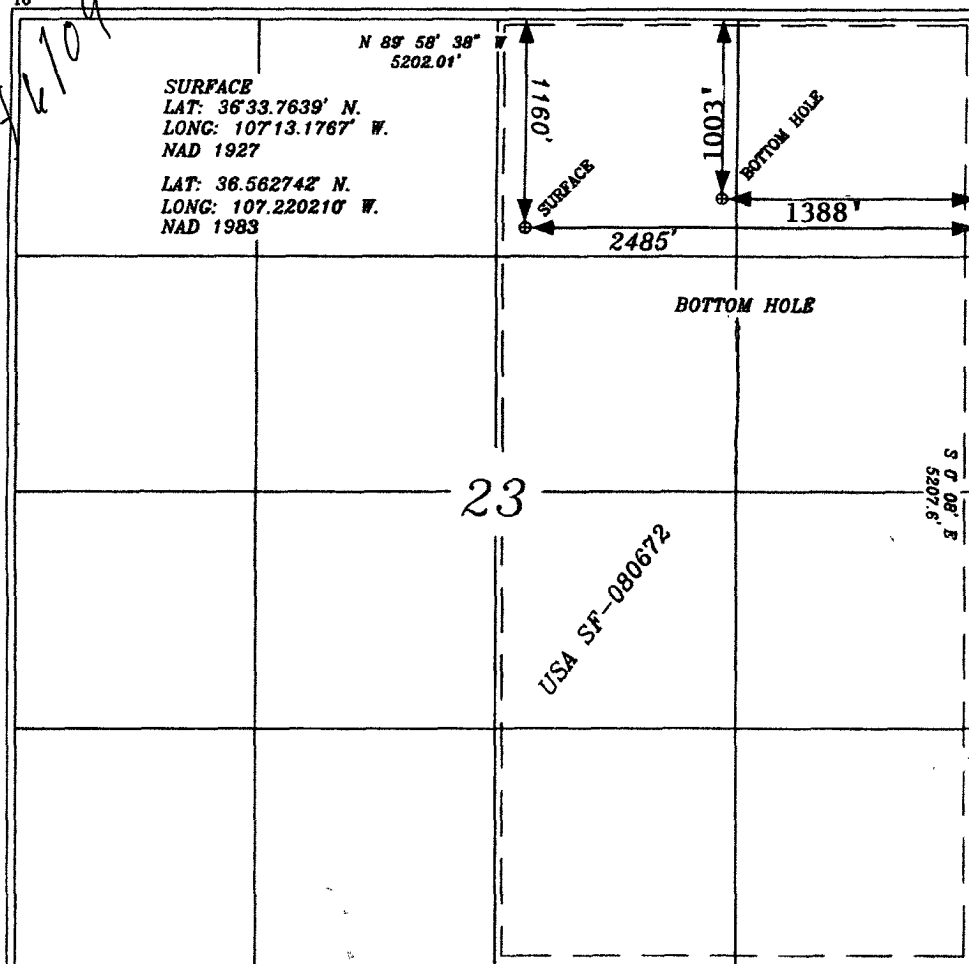
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	23	27-N	4-W		1160'	NORTH	2485'	EAST	RIO ARriba

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
B	23	27-N	4-W		1003	NORTH	1388	EAST	RIO ARriba

¹² Dedicated Acres 320.00 (E/2)	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. RCVD NOV 5 '09 OIL CONS. DIV.
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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**



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 a working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Crystal Takoya 10/26/09
Signature
Crystal Takoya 10/26/09
Printed Name

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.

11-8-07
Date of Survey
Signature and Seal of Professional Surveyor
GLEN W. RUSSELL
15703
Certificate Number
15703

Operator BURLINGTON RESOURCES OIL & GAS COMPANY LP	Legal WellName SAN JUAN 27-4 UNIT #109A	API / UWI 3003930618	County RIO ARRIBA	State/Province NEW MEXICO
Surface Legal Location 023-027N-004W-B	N/S Dist (ft) 1,160.00	N/S Ref FNL	E/W Dist (ft) 2,485.00	E/W Ref FEL

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
7/30/2009	266.00	0.69	MWD	Scientific Drilling
7/30/2009	297.00	0.35	MWD	Scientific Drilling
7/30/2009	328.00	0.50	MWD	Scientific Drilling
7/30/2009	358.00	1.42	MWD	Scientific Drilling
7/30/2009	389.00	2.45	MWD	Scientific Drilling
7/30/2009	420.00	3.74	MWD	Scientific Drilling
7/30/2009	451.00	4.85	MWD	Scientific Drilling
7/30/2009	482.00	6.07	MWD	Scientific Drilling
7/30/2009	512.00	7.12	MWD	Scientific Drilling
7/30/2009	543.00	8.19	MWD	Scientific Drilling
7/30/2009	573.00	9.18	MWD	Scientific Drilling
7/30/2009	604.00	9.99	MWD	Scientific Drilling
7/30/2009	634.00	10.63	MWD	Scientific Drilling
7/30/2009	665.00	11.00	MWD	Scientific Drilling
7/30/2009	696.00	12.04	MWD	Scientific Drilling
7/30/2009	726.00	13.26	MWD	Scientific Drilling
7/30/2009	756.00	14.35	MWD	Scientific Drilling
7/30/2009	787.00	15.54	MWD	Scientific Drilling
7/30/2009	816.00	16.23	MWD	Scientific Drilling
7/31/2009	865.00	16.68	MWD	Scientific Drilling
7/31/2009	910.00	16.74	MWD	Scientific Drilling
7/31/2009	955.00	16.85	MWD	Scientific Drilling
7/31/2009	1,000.00	17.59	MWD	Scientific Drilling
7/31/2009	1,045.00	18.43	MWD	Scientific Drilling
7/31/2009	1,090.00	19.70	MWD	Scientific Drilling
7/31/2009	1,135.00	21.16	MWD	Scientific Drilling
7/31/2009	1,225.00	21.58	MWD	Scientific Drilling
7/31/2009	1,315.00	22.33	MWD	Scientific Drilling
7/31/2009	1,405.00	21.61	MWD	Scientific Drilling
7/31/2009	1,495.00	21.42	MWD	Scientific Drilling
7/31/2009	1,585.00	21.38	MWD	Scientific Drilling
7/31/2009	1,675.00	21.52	MWD	Scientific Drilling
7/31/2009	1,765.00	21.94	MWD	Scientific Drilling
7/31/2009	1,855.00	22.07	MWD	Scientific Drilling
7/31/2009	1,945.00	21.34	MWD	Scientific Drilling

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 _____

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
7/31/2009	2,035.00	21.44	MWD	Scientific Drilling
7/31/2009	2,125.00	21.88	MWD	Scientific Drilling
7/31/2009	2,215.00	20.70	MWD	Scientific Drilling
7/31/2009	2,305.00	20.23	MWD	Scientific Drilling
7/31/2009	2,395.00	20.24	MWD	Scientific Drilling
7/31/2009	2,485.00	20.32	MWD	Scientific Drilling
7/31/2009	2,575.00	20.06	MWD	Scientific Drilling
7/31/2009	2,665.00	19.49	MWD	Scientific Drilling
7/31/2009	2,755.00	18.80	MWD	Scientific Drilling
7/31/2009	2,845.00	18.49	MWD	Scientific Drilling
7/31/2009	2,934.00	18.20	MWD	Scientific Drilling
7/31/2009	3,024.00	17.89	MWD	Scientific Drilling
7/31/2009	3,114.00	17.87	MWD	Scientific Drilling
8/1/2009	3,159.00	17.96	MWD	Scientific Drilling
8/1/2009	3,294.00	17.60	MWD	Scientific Drilling
8/1/2009	3,384.00	17.07	MWD	Scientific Drilling
8/1/2009	3,474.00	17.69	MWD	Scientific Drilling
8/1/2009	3,564.00	18.16	MWD	Scientific Drilling
8/1/2009	3,654.00	17.29	MWD	Scientific Drilling
8/1/2009	3,699.00	16.88	MWD	Scientific Drilling
8/1/2009	3,744.00	15.14	MWD	Scientific Drilling
8/1/2009	3,789.00	13.66	MWD	Scientific Drilling
8/1/2009	3,834.00	11.65	MWD	Scientific Drilling
8/1/2009	3,879.00	9.35	MWD	Scientific Drilling
8/1/2009	3,924.00	7.66	MWD	Scientific Drilling
8/1/2009	3,969.00	6.73	MWD	Scientific Drilling
8/1/2009	4,014.00	5.45	MWD	Scientific Drilling
8/1/2009	4,059.00	4.54	MWD	Scientific Drilling
8/1/2009	4,104.00	4.21	MWD	Scientific Drilling
8/1/2009	4,149.00	3.50	MWD	Scientific Drilling
8/1/2009	4,194.00	3.16	MWD	Scientific Drilling
8/1/2009	4,206.00	3.07	MWD	Scientific Drilling
8/1/2009	4,236.00	2.64	Extrap.	Scientific Drilling
8/10/2009	8,365.00	2.00	FINAL BHS	PHOENIX

RCVD NOV 5 '09

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.

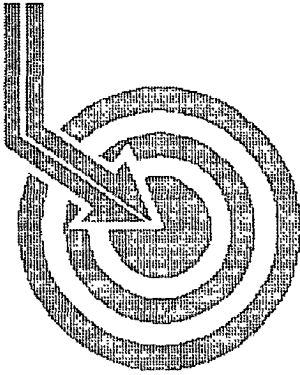
[Signature]

Subscribed and sworn to me this Oct 26, 2009

[Signature: Capital L. Tafaya]

Notary Public in and for San Juan County, New Mexico

My Commission expires 10/12/2010



Scientific Drilling

RCVD NOV 5 '09
OIL CONS. DIV.
DIST. 3

BURLINGTON RESOURCES

Field: San Juan
Site: Rio Arriba County, NM
Well: San Juan 27-4 #109A
Wellpath: DH - Job #33D0709131
Survey: 07/29/09-08/02/09

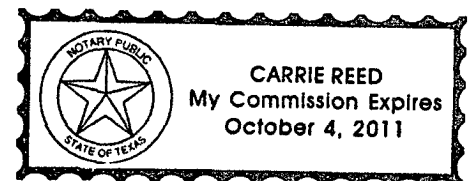
API # 30.039.30618

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

.....*R. Wharton*.....Company Representative

Notorized this date 12th of August, 2009.

Carrie Reed
Notary Signature
County of Midland
State of Texas





Scientific Drilling International Survey Report

Company: BURLINGTON RESOURCES	Date: 08/12/2009	Time: 10:38:20	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 27-4 #109A	Section (VS) Reference: Well (0.00N,0.00E,81.71Azi)		
Wellpath: DH - Job #33D0709131	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Survey: 07/29/09-08/02/09	Start Date: 07/29/2009
Company: Scientific Drilling Internatio	Engineer: Burrus/Orozco/Blosser/Wagner/W
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
266.00	0.69	326.02	265.99	-0.69	1.33	-0.90	0.26	1.60	326.02
297.00	0.35	313.26	296.99	-0.83	1.55	-1.07	1.15	1.88	325.38
328.00	0.50	56.41	327.99	-0.77	1.69	-1.02	2.17	1.97	328.73
358.00	1.42	89.72	357.99	-0.28	1.76	-0.54	3.46	1.84	342.84
389.00	2.45	88.04	388.97	0.75	1.79	0.50	3.33	1.86	15.71
420.00	3.74	92.30	419.92	2.41	1.77	2.17	4.22	2.80	50.89
451.00	4.85	91.43	450.84	4.69	1.70	4.50	3.59	4.80	69.34
482.00	6.07	94.42	481.69	7.58	1.54	7.44	4.04	7.60	78.33
512.00	7.12	96.26	511.50	10.93	1.21	10.87	3.57	10.94	83.64
543.00	8.19	97.03	542.22	14.92	0.73	14.97	3.47	14.99	87.20
573.00	9.18	97.89	571.87	19.28	0.14	19.46	3.33	19.46	89.58
604.00	9.99	99.75	602.44	24.21	-0.65	24.56	2.80	24.57	91.52
634.00	10.63	100.97	631.96	29.30	-1.62	29.84	2.25	29.89	93.11
665.00	11.00	100.81	662.41	34.79	-2.72	35.55	1.20	35.66	94.37
696.00	12.04	100.37	692.78	40.65	-3.86	41.64	3.37	41.82	95.29
726.00	13.26	102.20	722.05	46.84	-5.15	48.08	4.28	48.36	96.11
756.00	14.35	103.12	751.19	53.52	-6.72	55.06	3.71	55.47	96.96
787.00	15.54	103.28	781.14	60.96	-8.54	62.85	3.84	63.43	97.74
816.00	16.23	101.17	809.03	68.39	-10.22	70.60	3.10	71.34	98.24
865.00	16.68	96.92	856.02	81.64	-12.39	84.30	2.62	85.21	98.36
910.00	16.74	93.10	899.13	94.22	-13.52	97.19	2.44	98.12	97.92
955.00	16.85	89.25	942.21	107.04	-13.79	110.18	2.48	111.04	97.13
1000.00	17.59	87.46	985.19	120.27	-13.40	123.49	2.02	124.22	96.19
1045.00	18.43	85.55	1027.99	134.13	-12.55	137.38	2.28	137.95	95.22
1090.00	19.70	84.62	1070.52	148.81	-11.29	152.02	2.90	152.44	94.25
1135.00	21.16	83.22	1112.68	164.50	-9.62	167.64	3.42	167.92	93.28
1225.00	21.58	82.65	1196.50	197.29	-5.58	200.19	0.52	200.26	91.60
1315.00	22.33	81.87	1279.97	230.94	-1.04	233.53	0.89	233.53	90.26
1405.00	21.61	82.57	1363.43	264.61	3.52	266.89	0.85	266.91	89.25
1495.00	21.42	81.86	1447.16	297.61	7.99	299.59	0.36	299.70	88.47
1585.00	21.38	80.63	1530.96	330.45	12.98	332.04	0.50	332.30	87.76
1675.00	21.52	80.77	1614.72	363.35	18.30	364.52	0.17	364.98	87.13
1765.00	21.94	80.12	1698.33	396.67	23.84	397.38	0.54	398.10	86.57
1855.00	22.07	78.43	1781.77	430.35	30.11	430.51	0.72	431.56	86.00
1945.00	21.34	79.45	1865.39	463.60	36.50	463.17	0.91	464.61	85.49
2035.00	21.44	79.15	1949.19	496.39	42.60	495.43	0.16	497.26	85.09
2125.00	21.88	79.00	2032.84	529.58	48.89	528.04	0.49	530.30	84.71
2215.00	20.70	78.34	2116.69	562.21	55.31	560.09	1.34	562.81	84.36
2305.00	20.23	78.52	2201.01	593.62	61.62	590.91	0.53	594.12	84.05
2395.00	20.24	78.28	2285.46	624.70	67.88	621.41	0.09	625.10	83.77
2485.00	20.32	77.79	2369.88	655.83	74.34	651.92	0.21	656.15	83.49
2575.00	20.06	75.99	2454.35	686.78	81.39	682.17	0.75	687.01	83.20
2665.00	19.49	78.70	2539.04	717.13	88.07	711.87	1.20	717.30	82.95
2755.00	18.80	77.57	2624.07	746.59	94.13	740.76	0.87	746.71	82.76
2845.00	18.49	79.69	2709.34	775.32	99.80	768.96	0.83	775.41	82.60
2934.00	18.20	79.25	2793.82	803.31	104.92	796.50	0.36	803.38	82.50
3024.00	17.89	78.19	2879.39	831.15	110.37	823.84	0.50	831.20	82.37
3114.00	17.87	76.70	2965.05	858.70	116.38	850.81	0.51	858.73	82.21



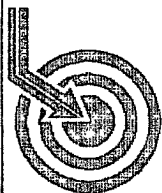
Scientific Drilling International Survey Report

Company: BURLINGTON RESOURCES
Field: San Juan
Site: Rio Arriba County, NM
Well: San Juan 27-4 #109A
Wellpath: DH - Job #33D0709131

Date: 08/12/2009 Time: 10:38:20 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,81.71Azi)
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
3159.00	17.96	79.64	3007.87	872.51	119.22	864.35	2.02	872.54	82.15
3294.00	17.60	80.50	3136.42	913.72	126.33	904.96	0.33	913.73	82.05
3384.00	17.07	80.21	3222.33	940.53	130.82	931.40	0.60	940.54	82.00
3474.00	17.69	80.16	3308.22	967.40	135.40	957.89	0.69	967.41	81.95
3564.00	18.16	80.02	3393.85	995.09	140.17	985.17	0.52	995.09	81.90
3654.00	17.29	79.03	3479.58	1022.47	145.15	1012.11	1.02	1022.47	81.84
3699.00	16.88	79.23	3522.59	1035.67	147.64	1025.10	0.92	1035.68	81.80
3744.00	15.14	81.21	3565.85	1048.08	149.76	1037.32	4.05	1048.08	81.78
3789.00	13.66	84.30	3609.43	1059.26	151.18	1048.42	3.70	1059.26	81.79
3834.00	11.65	84.74	3653.34	1069.11	152.13	1058.23	4.47	1069.11	81.82
3879.00	9.35	82.75	3697.58	1077.30	153.01	1066.38	5.17	1077.31	81.83
3924.00	7.66	81.29	3742.08	1083.96	153.92	1072.98	3.79	1083.96	81.84
3969.00	6.73	82.93	3786.73	1089.59	154.70	1078.56	2.12	1089.60	81.84
4014.00	5.45	78.42	3831.47	1094.36	155.45	1083.27	3.03	1094.37	81.83
4059.00	4.54	76.86	3876.30	1098.27	156.29	1087.10	2.04	1098.27	81.82
4104.00	4.21	80.48	3921.17	1101.70	156.97	1090.46	0.96	1101.70	81.81
4149.00	3.50	89.21	3966.07	1104.71	157.26	1093.46	2.04	1104.71	81.82
4194.00	3.16	91.17	4010.99	1107.30	157.25	1096.08	0.80	1107.30	81.84
4206.00	3.07	90.32	4022.98	1107.94	157.24	1096.73	0.84	1107.94	81.84



Scientific
Drilling

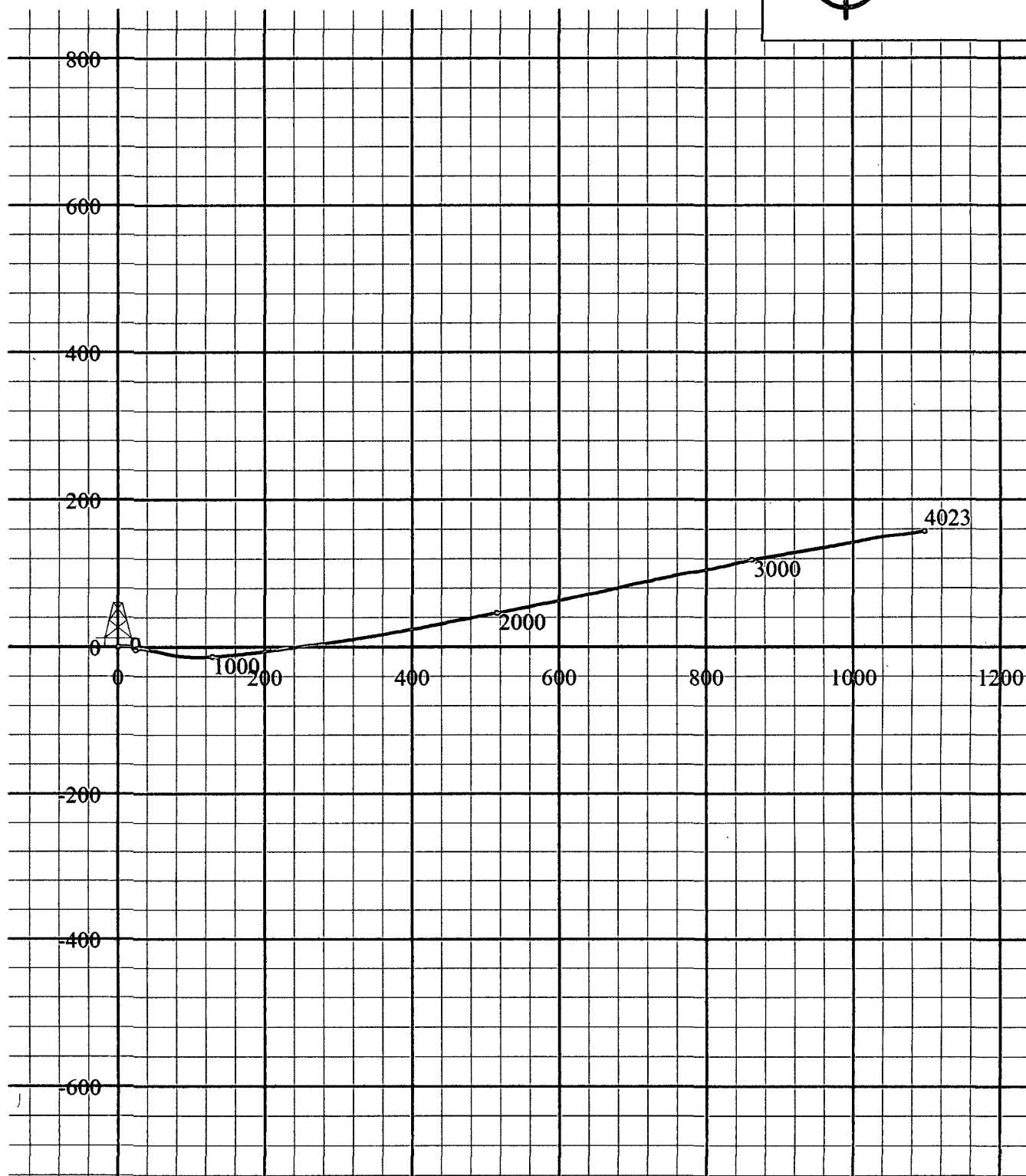
Field: San Juan
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Wellpath: DH - Job #33D0709131
Survey: 07/29/09-08/02/09



Azimuths to True North
Magnetic North: 0.00°

Magnetic Field
Strength: 0nT
Dip Angle: 0.00°
Date: 08/12/2009
Model: igrf2000

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



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