

"AS Drilled Plat"

RCVD JUL 13 '05
OIL CONS. DIV.
DIST. 3

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 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

Fee Lease - 3 Copies
State Lease - 7 Copies
Submit to Appropriate District Office
Revised June 10, 2003
Form C-102

FEB 14 2008

☐ AMENDED REPORT

Bureau of Land Management

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-039-30488		2 Pool Code 71599/72319		3 Pool Name DAKOTA / MESA VERDE	
4 Property Code 7452		5 Property Name SAN JUAN 27-4 UNIT			6 Well Number 52N
7 COORD No. 14538		8 Operator Name BURLINGTON OIL AND GAS COMPANY LP			9 Elevation 7,190.4'

10 SURFACE LOCATION

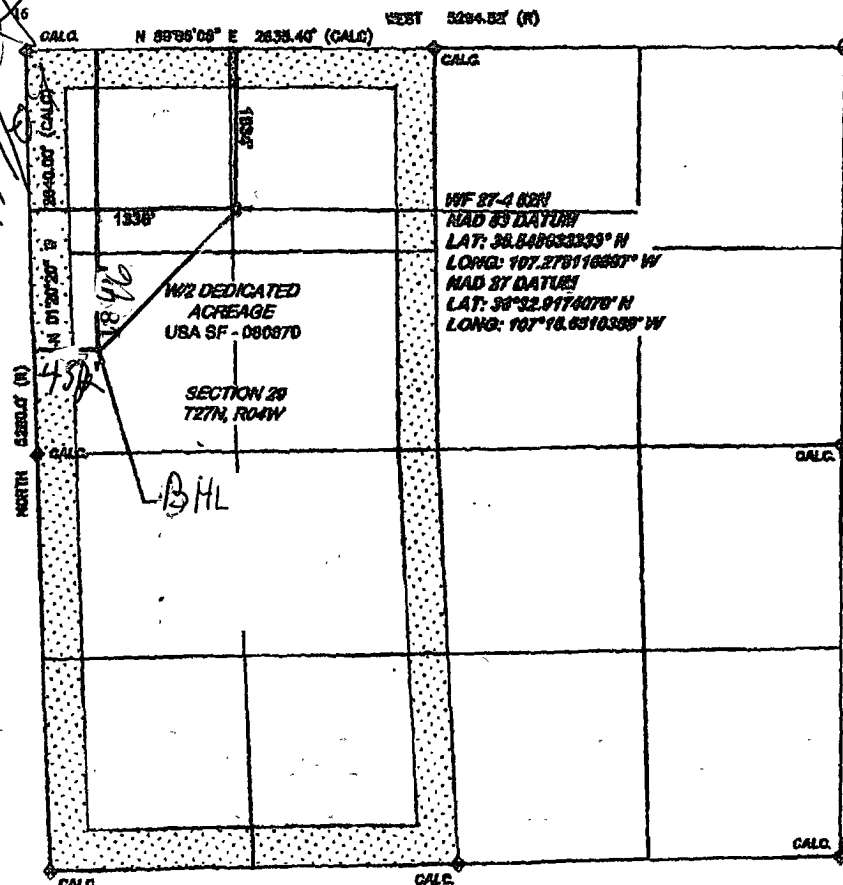
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	29	27-N	04-W		1034	NORTH	1336	WEST	RIO ARriba

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
E	29	27-N	04-W		1846	NORTH	432	WEST	RIO ARriba

12 Dedicated Acres 320.0 W/2	13 Joint or Infill	14 Consolidation Code	15 Order No.
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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



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 released 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: Jamie Goodwin
Printed Name: Jamie Goodwin
Regulatory Tech.
Title and E-mail Address: _____
Date: 07/09/2009

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: 8/25/06
Signature and Seal of Professional Surveyor: [Signature]
Professional Surveyor Seal: [Seal]
Certificate Number: NSA 11383

8/7/20

PC

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
9/9/2008	5,456.00	2.32	MWD	SCIENTIFIC DRLG
9/9/2008	5,499.00	1.35	MWD	SCIENTIFIC DRLG
10/7/2008	8,541.00	1.00	FINAL BHS	PHOENIX

RCVD JUL 13 '09
OIL CONS. DIV.

DIST. 3

I, the undersigned, certify that I acting in my capacity as D. L. G. 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 July 7, 2009

[Signature]

Notary Public in and for San Juan County, New Mexico

My Commission expires Feb 28, 2012

COP Deviation Report SAN JUAN 27-4 UNIT #52N

Survey Data

Date	MD (ft/KB)	Incl. (°)	Method	Survey Company
9/6/2008	2,842.00	17.38	MWD	SCIENTIFIC DRLG
9/6/2008	2,906.00	17.09	MWD	SCIENTIFIC DRLG
9/6/2008	2,970.00	17.06	MWD	SCIENTIFIC DRLG
9/6/2008	3,033.00	17.09	MWD	SCIENTIFIC DRLG
9/6/2008	3,096.00	17.38	MWD	SCIENTIFIC DRLG
9/6/2008	3,159.00	18.11	MWD	SCIENTIFIC DRLG
9/6/2008	3,287.00	18.39	MWD	SCIENTIFIC DRLG
9/6/2008	3,415.00	17.08	MWD	SCIENTIFIC DRLG
9/6/2008	3,480.00	16.17	MWD	SCIENTIFIC DRLG
9/6/2008	3,542.00	16.83	MWD	SCIENTIFIC DRLG
9/6/2008	3,606.00	16.97	MWD	SCIENTIFIC DRLG
9/6/2008	3,669.00	17.86	MWD	SCIENTIFIC DRLG
9/6/2008	3,733.00	17.83	MWD	SCIENTIFIC DRLG
9/6/2008	3,797.00	18.24	MWD	SCIENTIFIC DRLG
9/6/2008	3,861.00	18.55	MWD	SCIENTIFIC DRLG
9/6/2008	3,924.00	17.57	MWD	SCIENTIFIC DRLG
9/6/2008	3,988.00	16.97	MWD	SCIENTIFIC DRLG
9/6/2008	4,051.00	15.45	MWD	SCIENTIFIC DRLG
9/6/2008	4,115.00	13.32	MWD	SCIENTIFIC DRLG
9/6/2008	4,179.00	11.67	MWD	SCIENTIFIC DRLG
9/6/2008	4,211.00	11.39	MWD	SCIENTIFIC DRLG
9/9/2008	4,274.00	11.98	MWD	SCIENTIFIC DRLG
9/9/2008	4,369.00	10.90	MWD	SCIENTIFIC DRLG
9/9/2008	4,433.00	10.29	MWD	SCIENTIFIC DRLG
9/9/2008	4,497.00	12.05	MWD	SCIENTIFIC DRLG
9/9/2008	4,560.00	12.70	MWD	SCIENTIFIC DRLG
9/9/2008	4,623.00	11.81	MWD	SCIENTIFIC DRLG
9/9/2008	4,687.00	11.80	MWD	SCIENTIFIC DRLG
9/9/2008	4,751.00	11.59	MWD	SCIENTIFIC DRLG
9/9/2008	4,813.00	12.26	MWD	SCIENTIFIC DRLG
9/9/2008	4,877.00	11.79	MWD	SCIENTIFIC DRLG
9/9/2008	4,940.00	11.32	MWD	SCIENTIFIC DRLG
9/9/2008	5,004.00	10.65	MWD	SCIENTIFIC DRLG
9/9/2008	5,068.00	9.91	MWD	SCIENTIFIC DRLG
9/9/2008	5,131.00	8.85	MWD	SCIENTIFIC DRLG
9/9/2008	5,194.00	6.83	MWD	SCIENTIFIC DRLG
9/9/2008	5,257.00	5.32	MWD	SCIENTIFIC DRLG
9/9/2008	5,321.00	4.02	MWD	SCIENTIFIC DRLG
9/9/2008	5,385.00	3.64	MWD	SCIENTIFIC DRLG

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 _____



COP Deviation Report
SAN JUAN 27-4 UNIT #52N

Operator BURLINGTON RESOURCES OIL & GAS COMPANY LP	Legal WellName SAN JUAN 27-4 UNIT #52N	API / UWI 3003930488	County RIO ARriba	State/Province NEW MEXICO
Surface Legal Location 029-027N-004W-C	N/S Dist (ft) 1,070.00	N/S Ref FNL	E/W Dist (ft) 1,390.00	E/W Ref FWL

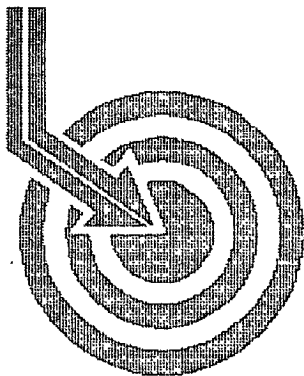
Survey Data				
Date	MD (ftKB)	Incl (°)	Method	Survey Company
8/19/2008	125.00	1.00	DEVIATION	MOTE
8/19/2008	245.00	1.50	DEVIATION	MOTE
8/20/2008	345.00	2.25	DEVIATION	MOTE
9/5/2008	404.00	2.02	MWD	SCIENTIFIC DRLG
9/5/2008	465.00	1.87	MWD	SCIENTIFIC DRLG
9/5/2008	496.00	2.32	MWD	SCIENTIFIC DRLG
9/5/2008	530.00	2.48	MWD	SCIENTIFIC DRLG
9/5/2008	560.00	2.86	MWD	SCIENTIFIC DRLG
9/5/2008	593.00	3.39	MWD	SCIENTIFIC DRLG
9/5/2008	652.00	4.56	MWD	SCIENTIFIC DRLG
9/5/2008	746.00	5.00	MWD	SCIENTIFIC DRLG
9/5/2008	809.00	5.38	MWD	SCIENTIFIC DRLG
9/6/2008	903.00	6.12	MWD	SCIENTIFIC DRLG
9/6/2008	968.00	8.60	MWD	SCIENTIFIC DRLG
9/6/2008	1,032.00	10.27	MWD	SCIENTIFIC DRLG
9/6/2008	1,095.00	11.49	MWD	SCIENTIFIC DRLG
9/6/2008	1,159.00	12.76	MWD	SCIENTIFIC DRLG
9/6/2008	1,222.00	13.97	MWD	SCIENTIFIC DRLG
9/6/2008	1,285.00	14.98	MWD	SCIENTIFIC DRLG
9/6/2008	1,350.00	16.43	MWD	SCIENTIFIC DRLG
9/6/2008	1,413.00	17.89	MWD	SCIENTIFIC DRLG
9/6/2008	1,477.00	19.43	MWD	SCIENTIFIC DRLG
9/6/2008	1,541.00	19.48	MWD	SCIENTIFIC DRLG
9/6/2008	1,668.00	19.35	MWD	SCIENTIFIC DRLG
9/6/2008	1,796.00	19.74	MWD	SCIENTIFIC DRLG
9/6/2008	1,923.00	20.10	MWD	SCIENTIFIC DRLG
9/6/2008	1,986.00	20.42	MWD	SCIENTIFIC DRLG
9/6/2008	2,113.00	20.94	MWD	SCIENTIFIC DRLG
9/6/2008	2,240.00	20.74	MWD	SCIENTIFIC DRLG
9/6/2008	2,304.00	18.73	MWD	SCIENTIFIC DRLG
9/6/2008	2,399.00	18.41	MWD	SCIENTIFIC DRLG
9/6/2008	2,526.00	18.23	MWD	SCIENTIFIC DRLG
9/6/2008	2,621.00	18.08	MWD	SCIENTIFIC DRLG
9/6/2008	2,652.00	17.65	MWD	SCIENTIFIC DRLG
9/6/2008	2,747.00	17.98	MWD	SCIENTIFIC DRLG

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 _____



Scientific Drilling

RCVD JUL 13 '09
OIL CONS. DIV.
DIST. 3

BURLINGTON RESOURCES

Field: San Juan
Site: Rio Arriba County, NM
Well: San Juan 27-4 #52N
Wellpath: DH - Job #33D0808187
Survey: 09/05/08-09/12/08

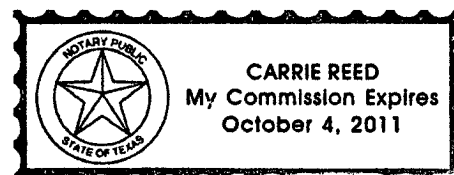
This survey is correct to the best of my knowledge
and is supported by actual field data.

.....*Richard*.....Company Representative

Notorized this date 14th of October, 2008.

Carrie Reed

Notary Signature
County of Midland
State of Texas





Scientific Drilling International Survey Report

Company: BURLINGTON RESOURCES				Date: 10/10/2008		Time: 15:19:32		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 #52N				Section (VS) Reference:		Well (0.00N,0.00E,228.42Azi)			
Wellpath: DH - Job #33D0808187				Survey Calculation Method:		Minimum Curvature		Db: Sybase	
Survey: 09/05/08-09/12/08				Start Date:		09/05/2008			
E-field 0'-5456'				Engineer:		Rasmussen/Fleming/Alvarez/Wood			
Company: Scientific Drilling Internatio				Tied-to:		From Surface			
Tool: E-field;E-field									
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
404.00	2.02	319.11	403.92	-0.09	5.38	-4.66	0.50	7.12	319.11
465.00	1.87	287.10	464.88	0.42	6.49	-6.32	1.77	9.06	315.77
530.00	2.48	245.11	529.84	2.32	6.21	-8.61	2.55	10.61	305.81
593.00	3.39	234.22	592.76	5.48	4.55	-11.35	1.69	12.23	291.82
652.00	4.56	224.90	651.61	9.55	1.86	-14.42	2.26	14.54	277.36
746.00	5.00	230.86	745.29	17.37	-3.37	-20.24	0.71	20.52	260.55
809.00	5.38	237.96	808.03	23.03	-6.67	-24.87	1.18	25.75	254.99
903.00	6.12	217.97	901.57	32.30	-12.96	-31.69	2.26	34.24	247.76
968.00	8.60	209.05	966.03	40.30	-19.94	-36.18	4.19	41.31	241.14
1032.00	10.27	206.76	1029.16	50.12	-29.22	-41.08	2.67	50.41	234.58
1095.00	11.49	211.42	1091.03	61.34	-39.59	-46.88	2.39	61.35	229.82
1159.00	12.76	214.99	1153.60	74.31	-50.82	-54.25	2.30	74.33	226.87
1222.00	13.97	220.19	1214.89	88.60	-62.33	-63.15	2.71	88.73	225.38
1285.00	14.98	224.29	1275.90	104.25	-73.96	-73.74	2.28	104.45	224.91
1350.00	16.43	228.53	1338.47	121.82	-86.07	-86.50	2.84	122.02	225.14
1413.00	17.89	229.96	1398.66	140.41	-98.19	-100.58	2.41	140.57	225.69
1477.00	19.43	229.66	1459.30	160.88	-111.41	-116.22	2.41	161.00	226.21
1541.00	19.48	229.54	1519.64	182.19	-125.22	-132.46	0.10	182.28	226.61
1668.00	19.35	230.51	1639.42	224.39	-152.34	-164.81	0.27	224.43	227.25
1796.00	19.74	230.05	1760.05	267.19	-179.71	-197.74	0.33	267.20	227.74
1923.00	20.10	230.09	1879.45	310.44	-207.48	-230.92	0.28	310.44	228.06
1986.00	20.42	230.34	1938.55	332.24	-221.44	-247.69	0.53	332.24	228.20
2113.00	20.94	229.88	2057.37	377.07	-250.21	-282.10	0.43	377.07	228.43
2240.00	20.74	229.02	2176.06	422.25	-279.58	-316.43	0.29	422.25	228.54
2304.00	18.73	227.53	2236.30	443.85	-293.95	-332.57	3.24	443.85	228.53
2399.00	18.41	227.30	2326.35	474.10	-314.42	-354.84	0.35	474.10	228.46
2526.00	18.23	226.43	2446.91	514.01	-341.71	-383.97	0.26	514.01	228.33
2621.00	18.08	227.69	2537.18	543.60	-361.88	-405.64	0.44	543.60	228.26
2652.00	17.65	227.45	2566.69	553.11	-368.29	-412.66	1.41	553.11	228.25
2747.00	17.98	227.13	2657.13	582.16	-388.01	-434.02	0.36	582.17	228.20
2842.00	17.38	226.11	2747.65	611.00	-407.82	-454.99	0.71	611.01	228.13
2906.00	17.09	224.43	2808.77	629.93	-421.16	-468.46	0.90	629.95	228.04
2970.00	17.06	227.06	2869.95	648.70	-434.27	-481.92	1.21	648.72	227.98
3033.00	17.09	229.25	2930.18	667.19	-446.61	-495.69	1.02	667.21	227.98
3096.00	17.38	229.26	2990.35	685.86	-458.80	-509.84	0.46	685.88	228.02
3159.00	18.11	230.13	3050.35	705.05	-471.21	-524.48	1.23	705.07	228.06
3287.00	18.39	229.28	3171.91	745.13	-497.14	-555.05	0.30	745.14	228.15
3415.00	17.08	229.41	3293.83	784.11	-522.54	-584.63	1.02	784.12	228.21
3480.00	16.17	229.66	3356.11	802.71	-534.61	-598.78	1.40	802.71	228.24
3542.00	16.83	228.71	3415.55	820.31	-546.12	-612.10	1.15	820.32	228.26
3606.00	16.97	229.12	3476.79	838.92	-558.35	-626.13	0.29	838.92	228.27
3669.00	17.86	228.37	3536.90	857.77	-570.78	-640.30	1.46	857.77	228.29
3733.00	17.83	227.98	3597.82	877.38	-583.86	-654.91	0.19	877.39	228.28
3797.00	18.24	225.14	3658.68	897.18	-597.49	-669.29	1.52	897.19	228.24
3861.00	18.55	224.54	3719.41	917.34	-611.81	-683.53	0.57	917.35	228.17
3924.00	17.57	226.68	3779.31	936.84	-625.48	-697.48	1.88	936.85	228.12
3988.00	16.97	227.37	3840.42	955.84	-638.43	-711.38	0.99	955.85	228.09
4051.00	15.45	225.04	3900.91	973.41	-650.59	-724.08	2.62	973.43	228.06



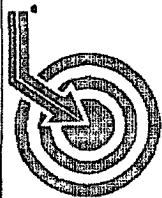
Scientific Drilling International Survey Report

Company: BURLINGTON RESOURCES
Field: San Juan
Site: Rio Arriba County, NM
Well: San Juan 27-4 #52N
Wellpath: DH - Job #33D0808187

Date: 10/10/2008 Time: 15:19:32 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,228.42Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

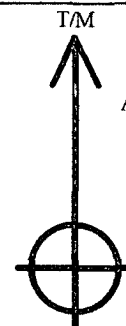
Survey

MD ft	Incl deg	Azlm deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
4115.00	13.32	223.84	3962.90	989.27	-661.93	-735.22	3.36	989.29	228.00
4179.00	11.67	223.42	4025.39	1003.06	-671.95	-744.78	2.58	1003.10	227.94
4211.00	11.39	223.19	4056.74	1009.44	-676.60	-749.17	0.89	1009.48	227.91
4274.00	11.98	222.86	4118.43	1022.14	-685.93	-757.87	0.94	1022.19	227.85
4369.00	10.90	221.35	4211.55	1040.87	-699.90	-770.51	1.18	1040.94	227.75
4433.00	10.29	220.14	4274.45	1052.53	-708.81	-778.19	1.01	1052.62	227.67
4497.00	12.05	227.12	4337.24	1064.86	-717.73	-786.78	3.46	1064.97	227.63
4560.00	12.70	232.27	4398.78	1078.35	-726.44	-797.07	2.03	1078.45	227.65
4623.00	11.81	229.12	4460.35	1091.71	-734.90	-807.42	1.77	1091.79	227.69
4687.00	11.80	223.03	4522.99	1104.77	-743.97	-816.84	1.95	1104.86	227.67
4751.00	11.59	219.60	4585.67	1117.64	-753.71	-825.41	1.13	1117.75	227.60
4813.00	12.26	224.12	4646.33	1130.36	-763.23	-833.96	1.85	1130.49	227.54
4877.00	11.79	226.85	4708.93	1143.67	-772.58	-843.46	1.15	1143.81	227.51
4940.00	11.32	228.23	4770.65	1156.29	-781.10	-852.77	0.87	1156.43	227.51
5004.00	10.65	225.41	4833.48	1168.47	-789.44	-861.66	1.34	1168.62	227.50
5068.00	9.91	228.02	4896.45	1179.89	-797.28	-869.97	1.37	1180.04	227.50
5131.00	8.85	229.58	4958.60	1190.15	-804.04	-877.69	1.73	1190.30	227.51
5194.00	6.83	242.60	5021.02	1198.63	-808.91	-884.71	4.25	1198.77	227.56
5257.00	5.32	260.84	5083.67	1204.73	-811.10	-890.92	3.86	1204.83	227.68
5321.00	4.02	270.74	5147.46	1208.89	-811.54	-896.09	2.38	1208.96	227.83
5385.00	3.64	265.59	5211.31	1212.17	-811.67	-900.36	0.80	1212.21	227.97
5456.00	2.32	255.99	5282.22	1215.24	-812.19	-904.00	1.98	1215.26	228.06



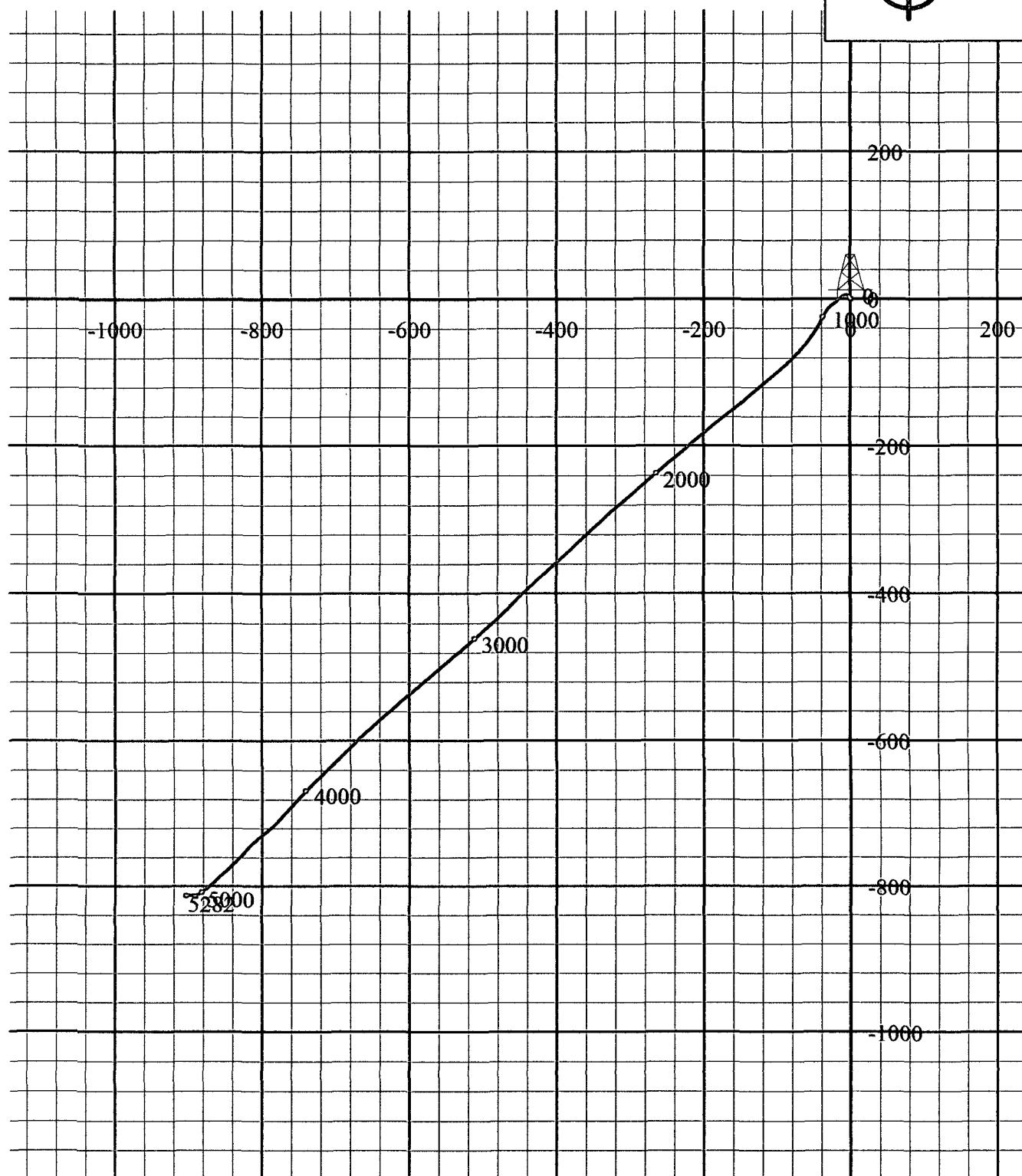
Scientific
Drilling

Field: San Juan
Site: Rio Arriba County, NM
Well: San Juan 27-4 #52N
Wellpath: DH - Job #33D0808187
Survey: 09/05/08-09/12/08



Azimuths to True North
Magnetic North: 0.00°

Magnetic Field
Strength: 0nT
Dip Angle: 0.00°
Date: 10/10/2008
Model: igr12000



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

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