

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., 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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-30298		*Pool Code 72319/71599		*Pool Name Blanco Basin DAKOTA/MESAVERDE	
*Property Code 31328		*Property Name SAN JUAN 31-6 UNIT			*Well Number 45N
*OGRIID No. 217817		*Operator Name CONOCOPHILLIPS COMPANY			*Elevation 6436'

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
P	31	31-N	6-W		480'	SOUTH	130'	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
J	31	31-N	6-W		1364'	SOUTH	1411'	EAST	RIO ARRIBA

*Dedicated Acres 320. Acres E2		*Joint or Infill MV/DK	*Consolidation Code	*Order No. RCVD JUN 8 '09
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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 undivided 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.

Ethel Tally
Signature

Ethel Tally
Printed Name

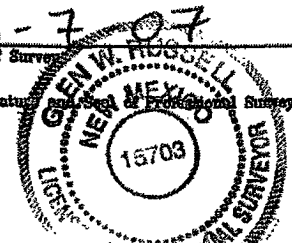
Staff Regulatory Technician

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.

3-7-07
Date of Survey

Signature



Glen W. Russell
Certificate Number 15703

SF-078995

31

BOTTOM HOLE

1411'

LAT: 36°51.0148' N.
LONG: 107°29.6874' W.
NAD 1927

LAT: 36.850104' N.
LONG: 107.495702' W.
NAD 1983
SURFACE

1364'

SURFACE

130'

480'

N 95° 00' 00" W
2845.0'

COP Deviation Report
SAN JUAN 31-6 UNIT #45N

Operator CONOCOPHILLIPS	Legal WellName SAN JUAN 31-6 UNIT #45N	API / UWI 3003930298	County RIO ARRIBA	State/Province NEW MEXICO
Surface Legal Location 031-031N-006W-P	N/S Dist (ft) 480.00	N/S Ref FSL	E/W Dist (ft) 130.00	E/W Ref FEL

Date	MD (ftKB)	Incl. (?)	Method	Survey Company
11/5/2008	232.00	1.79	MWD	Scientific Drilling
11/5/2008	262.00	1.71	MWD	Scientific Drilling
11/5/2008	293.00	1.33	MWD	Scientific Drilling
11/5/2008	323.00	0.98	MWD	Scientific Drilling
11/5/2008	353.00	1.37	MWD	Scientific Drilling
11/5/2008	384.00	2.40	MWD	Scientific Drilling
11/5/2008	414.00	3.51	MWD	Scientific Drilling
11/5/2008	445.00	4.59	MWD	Scientific Drilling
11/5/2008	476.00	5.62	MWD	Scientific Drilling
11/5/2008	507.00	6.07	MWD	Scientific Drilling
11/5/2008	537.00	6.54	MWD	Scientific Drilling
11/5/2008	598.00	7.41	MWD	Scientific Drilling
11/5/2008	629.00	7.83	MWD	Scientific Drilling
11/5/2008	659.00	8.17	MWD	Scientific Drilling
11/5/2008	690.00	8.85	MWD	Scientific Drilling
11/5/2008	721.00	9.13	MWD	Scientific Drilling
11/5/2008	753.00	9.70	MWD	Scientific Drilling
11/5/2008	784.00	9.84	MWD	Scientific Drilling
11/5/2008	816.00	10.00	MWD	Scientific Drilling
11/5/2008	848.00	10.68	MWD	Scientific Drilling
11/5/2008	880.00	11.38	MWD	Scientific Drilling
11/5/2008	910.00	11.52	MWD	Scientific Drilling
11/5/2008	942.00	12.23	MWD	Scientific Drilling
11/5/2008	973.00	13.15	MWD	Scientific Drilling
11/5/2008	1,005.00	13.71	MWD	Scientific Drilling
11/5/2008	1,037.00	14.95	MWD	Scientific Drilling
11/5/2008	1,068.00	15.74	MWD	Scientific Drilling
11/5/2008	1,100.00	16.49	MWD	Scientific Drilling
11/5/2008	1,132.00	17.16	MWD	Scientific Drilling
11/6/2008	1,163.00	17.65	MWD	Scientific Drilling
11/6/2008	1,195.00	18.00	MWD	Scientific Drilling
11/6/2008	1,228.00	18.63	MWD	Scientific Drilling
11/6/2008	1,259.00	19.48	MWD	Scientific Drilling
11/6/2008	1,291.00	20.48	MWD	Scientific Drilling
11/6/2008	1,323.00	21.14	MWD	Scientific Drilling
11/6/2008	1,355.00	21.96	MWD	Scientific Drilling

I, the undersigned, certify that I acting in my capacity as 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.



RCVD JUN 8 '09
OIL CONS. DIV.
DIST. 3

Subscribed and sworn to on this 3rd of June
Ethel Tally

Notary Public in and for San Juan County, New Mexico

My Commission expires Oct 1, 2012

COP Deviation Report
SAN JUAN 31-6 UNIT #45N

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
11/6/2008	1,387.00	22.34	MWD	Scientific Drilling
11/6/2008	1,418.00	23.39	MWD	Scientific Drilling
11/6/2008	1,448.00	23.97	MWD	Scientific Drilling
11/6/2008	1,480.00	25.15	MWD	Scientific Drilling
11/6/2008	1,511.00	25.35	MWD	Scientific Drilling
11/6/2008	1,543.00	25.52	MWD	Scientific Drilling
11/6/2008	1,575.00	25.72	MWD	Scientific Drilling
11/6/2008	1,638.00	26.73	MWD	Scientific Drilling
11/6/2008	1,701.00	26.41	MWD	Scientific Drilling
11/6/2008	1,762.00	26.31	MWD	Scientific Drilling
11/6/2008	1,825.00	26.12	MWD	Scientific Drilling
11/6/2008	1,887.00	25.99	MWD	Scientific Drilling
11/6/2008	1,950.00	25.42	MWD	Scientific Drilling
11/6/2008	2,013.00	25.02	MWD	Scientific Drilling
11/6/2008	2,077.00	25.24	MWD	Scientific Drilling
11/6/2008	2,140.00	25.89	MWD	Scientific Drilling
11/6/2008	2,203.00	26.27	MWD	Scientific Drilling
11/6/2008	2,266.00	25.70	MWD	Scientific Drilling
11/6/2008	2,328.00	25.33	MWD	Scientific Drilling
11/6/2008	2,391.00	25.48	MWD	Scientific Drilling
11/6/2008	2,454.00	24.85	MWD	Scientific Drilling
11/6/2008	2,517.00	24.66	MWD	Scientific Drilling
11/6/2008	2,580.00	25.87	MWD	Scientific Drilling
11/6/2008	2,645.00	26.94	MWD	Scientific Drilling
11/6/2008	2,708.00	26.79	MWD	Scientific Drilling
11/6/2008	2,771.00	26.94	MWD	Scientific Drilling
11/6/2008	2,835.00	26.39	MWD	Scientific Drilling
11/6/2008	2,897.00	26.28	MWD	Scientific Drilling
11/7/2008	2,959.00	26.16	MWD	Scientific Drilling
11/7/2008	3,022.00	25.73	MWD	Scientific Drilling
11/7/2008	3,086.00	24.93	MWD	Scientific Drilling
11/7/2008	3,149.00	24.24	MWD	Scientific Drilling
11/7/2008	3,212.00	23.82	MWD	Scientific Drilling
11/7/2008	3,276.00	23.59	MWD	Scientific Drilling
11/7/2008	3,339.00	23.36	MWD	Scientific Drilling
11/7/2008	3,400.00	23.66	MWD	Scientific Drilling
11/8/2008	3,462.00	23.40	MWD	Scientific Drilling
11/8/2008	3,494.00	23.57	MWD	Scientific Drilling
11/8/2008	3,525.00	24.85	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 _____

**COP Deviation Report
SAN JUAN 31-6 UNIT #45N**

Survey Data

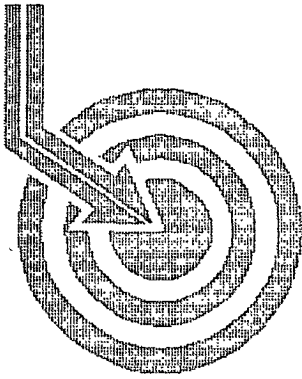
Date	MD (ftKB)	Incl (°)	Method	Survey Company
11/8/2008	3,557.00	25.77	MWD	Scientific Drilling
11/8/2008	3,620.00	26.42	MWD	Scientific Drilling
11/8/2008	3,684.00	27.44	MWD	Scientific Drilling
11/8/2008	3,748.00	27.99	MWD	Scientific Drilling
11/8/2008	3,810.00	27.56	MWD	Scientific Drilling
11/8/2008	3,874.00	26.92	MWD	Scientific Drilling
11/8/2008	3,937.00	26.44	MWD	Scientific Drilling
11/8/2008	4,000.00	25.49	MWD	Scientific Drilling
11/8/2008	4,063.00	22.85	MWD	Scientific Drilling
11/8/2008	4,127.00	20.85	MWD	Scientific Drilling
11/8/2008	4,189.00	18.29	MWD	Scientific Drilling
11/8/2008	4,253.00	16.46	MWD	Scientific Drilling
11/8/2008	4,317.00	15.24	MWD	Scientific Drilling
11/8/2008	4,379.00	13.80	MWD	Scientific Drilling
11/8/2008	4,410.00	13.25	MWD	Scientific Drilling
11/8/2008	4,442.00	12.77	MWD	Scientific Drilling
11/8/2008	4,504.00	12.04	MWD	Scientific Drilling
11/9/2008	4,566.00	11.18	MWD	Scientific Drilling
11/9/2008	4,630.00	10.24	MWD	Scientific Drilling
11/9/2008	4,690.00	9.53	MWD	Scientific Drilling
11/9/2008	4,753.00	7.96	MWD	Scientific Drilling
11/9/2008	4,817.00	6.92	MWD	Scientific Drilling
11/9/2008	4,881.00	5.75	MWD	Scientific Drilling
11/9/2008	4,964.00	4.25	MWD	Scientific Drilling
11/9/2008	5,020.00	3.24	MWD	Scientific Drilling
11/20/2008	8,216.00	1.00	FINAL BHS	PHOENIX

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 JUN 8 '09
OIL CONS. DIV.
DIST. 3

CONOCOPHILLIPS

Field: San Juan
Site: Rio Arriba County, NM
Well: San Juan 31-6 #45N
Wellpath: DH - Job #33D1108252
Survey: 11/05/08-11/11/08

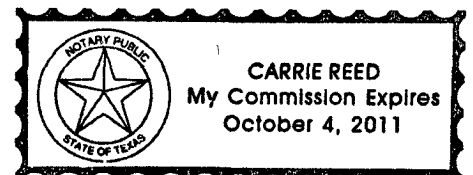
API - 30-039-30298

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

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

Notorized this date 8th of December, 2008.

Carrie Reed
Notary Signature
County of Midland
State of Texas





Scientific Drilling International Survey Report

Company: CONOCOPHILLIPS		Date: 12/08/2008		Time: 10:26:52		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 31-6 #45N		Section (VS) Reference:		Well: (0.00N,0.00E,304:67Azi)						
Wellpath: DH - Job #33D1108252		Survey Calculation Method:		Minimum Curvature		Db: Sybase				
Survey: 11/05/08-11/11/08		Start Date:		11/05/2008						
E-field 0'-4964'		Engineer:		Lowe/Alvarez/Buchanan/Wood/Mad						
Company: Scientific Drilling Internatio		Tied-to:		From Surface						
Tool: E-field;E-field MWD										
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	
262.00	1.71	167.89	261.96	-2.85	-3.82	0.82	0.65	3.91	167.89	
293.00	1.33	176.12	292.95	-3.41	-4.63	0.94	1.41	4.73	168.51	
323.00	0.98	209.01	322.94	-3.65	-5.21	0.84	2.45	5.27	170.83	
353.00	1.37	261.12	352.94	-3.42	-5.49	0.36	3.63	5.50	176.23	
384.00	2.40	283.28	383.92	-2.54	-5.39	-0.64	4.01	5.43	186.73	
414.00	3.51	291.53	413.88	-1.07	-4.91	-2.10	3.95	5.34	203.16	
445.00	4.59	293.00	444.80	1.07	-4.08	-4.13	3.50	5.80	225.33	
476.00	5.62	297.95	475.68	3.80	-2.88	-6.61	3.61	7.21	246.43	
507.00	6.07	299.96	506.52	6.94	-1.35	-9.37	1.59	9.47	261.78	
537.00	6.54	299.43	536.34	10.22	0.28	-12.23	1.58	12.24	271.31	
568.00	7.20	301.50	567.12	13.92	2.16	-15.43	2.27	15.58	277.98	
598.00	7.41	301.35	596.87	17.72	4.15	-18.68	0.70	19.14	282.53	
629.00	7.83	302.09	627.60	21.83	6.31	-22.18	1.39	23.06	285.89	
659.00	8.17	300.68	657.31	26.00	8.49	-25.74	1.31	27.10	288.24	
690.00	8.85	301.64	687.96	30.58	10.86	-29.67	2.24	31.59	290.11	
721.00	9.13	302.50	718.58	35.42	13.43	-33.77	1.00	36.34	291.69	
753.00	9.70	304.66	750.15	40.65	16.33	-38.13	2.10	41.48	293.18	
784.00	9.84	305.57	780.70	45.91	19.36	-42.43	0.67	46.64	294.52	
816.00	10.00	307.78	812.22	51.42	22.65	-46.85	1.29	52.04	295.80	
848.00	10.68	306.86	843.70	57.15	26.13	-51.42	2.19	57.68	296.94	
880.00	11.38	308.95	875.11	63.27	29.89	-56.25	2.52	63.70	297.99	
910.00	11.52	309.92	904.52	69.20	33.68	-60.85	0.79	69.55	298.96	
942.00	12.23	307.53	935.83	75.77	37.79	-65.99	2.70	76.04	299.80	
973.00	13.15	306.43	966.07	82.57	41.89	-71.43	3.07	82.80	300.39	
1005.00	13.71	305.20	997.20	90.00	46.23	-77.46	1.96	90.20	300.83	
1037.00	14.95	303.91	1028.20	97.92	50.72	-83.98	4.00	98.11	301.13	
1068.00	15.74	303.63	1058.10	106.12	55.28	-90.80	2.56	106.30	301.33	
1100.00	16.49	303.49	1088.84	115.00	60.19	-98.20	2.35	115.18	301.51	
1132.00	17.16	304.01	1119.47	124.27	65.34	-105.90	2.15	124.44	301.67	
1163.00	17.65	304.35	1149.05	133.54	70.55	-113.57	1.61	133.70	301.85	
1195.00	18.00	305.58	1179.51	143.33	76.16	-121.60	1.61	143.48	302.06	
1228.00	18.63	305.85	1210.84	153.70	82.22	-130.02	1.93	153.83	302.31	
1259.00	19.48	307.28	1240.14	163.82	88.25	-138.15	3.13	163.93	302.57	
1291.00	20.48	307.33	1270.22	174.74	94.87	-146.84	3.13	174.82	302.87	
1323.00	21.14	307.11	1300.13	186.10	101.75	-155.90	2.08	186.16	303.13	
1355.00	21.96	308.11	1329.89	197.83	108.92	-165.21	2.81	197.88	303.40	
1387.00	22.34	309.00	1359.53	209.87	116.44	-174.64	1.58	209.90	303.69	
1418.00	23.39	308.32	1388.09	221.89	123.97	-184.05	3.49	221.90	303.96	
1448.00	23.97	309.00	1415.57	233.91	131.49	-193.45	2.14	233.91	304.20	
1480.00	25.15	308.60	1444.67	247.17	139.83	-203.82	3.72	247.17	304.45	
1511.00	25.35	308.79	1472.71	260.36	148.09	-214.14	0.70	260.36	304.67	
1543.00	25.52	307.75	1501.61	274.08	156.61	-224.93	1.49	274.08	304.85	
1575.00	25.72	307.53	1530.46	287.90	165.06	-235.89	0.69	287.90	304.98	
1638.00	26.73	304.73	1586.98	315.72	181.46	-258.37	2.53	315.73	305.08	
1701.00	26.41	303.97	1643.33	343.90	197.36	-281.64	0.74	343.90	305.02	
1762.00	26.31	304.64	1697.98	370.98	212.62	-304.01	0.51	370.99	304.97	
1825.00	26.12	304.04	1754.50	398.81	228.32	-326.99	0.52	398.81	304.92	
1887.00	25.99	303.03	1810.20	426.04	243.37	-349.69	0.75	426.04	304.84	

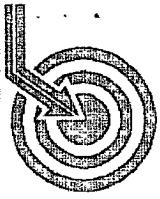


Scientific Drilling International Survey Report

Company: CONOCOPHILLIPS	Date: 12/08/2008	Time: 10:26:52	Page: 2
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 31-6 #45N	Section (VS) Reference:	Well: (0.00N,0.00E,304.67Azi)	
Wellpath: DH - Job #33D1108252	Survey Calculation Method:	Minimum Curvature	
		Db:	Sybase

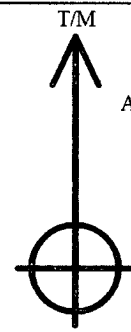
Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
1950.00	25.42	302.19	1866.97	453.34	258.09	-372.70	1.07	453.34	304.70
2013.00	25.02	302.12	1923.96	480.16	272.38	-395.43	0.64	480.16	304.56
2077.00	25.24	303.37	1981.91	507.32	287.08	-418.29	0.90	507.33	304.46
2140.00	25.89	303.58	2038.74	534.50	302.08	-440.97	1.04	534.51	304.41
2203.00	26.27	304.15	2095.32	562.20	317.51	-463.96	0.72	562.21	304.39
2266.00	25.70	305.19	2151.95	589.80	333.21	-486.66	1.16	589.81	304.40
2328.00	25.33	305.12	2207.91	616.50	348.59	-508.50	0.60	616.51	304.43
2391.00	25.48	304.49	2264.82	643.53	364.01	-530.69	0.49	643.54	304.45
2454.00	24.85	303.91	2321.84	670.32	379.07	-552.85	1.07	670.33	304.44
2517.00	24.66	302.26	2379.05	696.69	393.47	-574.95	1.14	696.70	304.39
2580.00	25.87	303.50	2436.02	723.56	408.08	-597.52	2.10	723.57	304.33
2645.00	26.94	305.23	2494.24	752.47	424.40	-621.38	2.03	752.48	304.33
2708.00	26.79	304.45	2550.44	780.93	440.66	-644.74	0.61	780.95	304.35
2771.00	26.94	305.02	2606.64	809.40	456.88	-668.14	0.47	809.41	304.36
2835.00	26.39	304.74	2663.83	838.12	473.31	-691.70	0.88	838.13	304.38
2897.00	26.28	305.43	2719.40	865.63	489.12	-714.21	0.52	865.64	304.40
2959.00	26.16	304.35	2775.02	893.02	504.78	-736.67	0.79	893.03	304.42
3022.00	25.73	303.76	2831.67	920.58	520.22	-759.51	0.80	920.59	304.41
3086.00	24.93	302.72	2889.52	947.95	535.23	-782.41	1.43	947.96	304.38
3149.00	24.24	303.25	2946.81	974.15	549.50	-804.39	1.15	974.17	304.34
3212.00	23.82	303.49	3004.35	999.80	563.61	-825.82	0.68	999.82	304.31
3276.00	23.59	306.77	3062.95	1025.52	578.41	-846.86	2.09	1025.53	304.33
3339.00	23.36	307.67	3120.73	1050.59	593.59	-866.84	0.68	1050.60	304.40
3400.00	23.66	307.74	3176.67	1074.89	608.47	-886.09	0.49	1074.89	304.48
3431.00	23.88	307.54	3205.04	1087.36	616.10	-895.99	0.76	1087.37	304.51
3462.00	23.40	305.00	3233.44	1099.79	623.45	-906.01	3.63	1099.79	304.53
3494.00	23.57	304.43	3262.79	1112.54	630.72	-916.49	0.89	1112.54	304.54
3525.00	24.85	305.45	3291.06	1125.25	638.00	-926.91	4.34	1125.25	304.54
3557.00	25.77	305.29	3319.99	1138.93	645.92	-938.06	2.88	1138.93	304.55
3620.00	26.42	308.22	3376.57	1166.62	662.50	-960.25	2.29	1166.62	304.60
3684.00	27.44	306.88	3433.63	1195.56	680.16	-983.24	1.85	1195.56	304.67
3748.00	27.99	306.06	3490.29	1225.31	697.85	-1007.17	1.05	1225.31	304.72
3810.00	27.56	305.48	3545.14	1254.20	714.74	-1030.61	0.82	1254.20	304.74
3874.00	26.92	305.32	3602.05	1283.49	731.71	-1054.49	1.01	1283.49	304.76
3937.00	26.44	305.17	3658.34	1311.78	748.03	-1077.59	0.77	1311.78	304.77
4000.00	25.49	304.49	3714.98	1339.36	763.79	-1100.23	1.58	1339.36	304.77
4063.00	22.85	302.40	3772.45	1365.14	778.02	-1121.74	4.40	1365.14	304.74
4127.00	20.82	301.42	3831.86	1388.92	790.61	-1141.94	3.22	1388.92	304.70
4189.00	18.29	301.82	3890.28	1409.64	801.49	-1159.61	4.09	1409.64	304.65
4253.00	16.46	302.78	3951.35	1428.73	811.69	-1175.77	2.89	1428.73	304.62
4317.00	15.24	303.66	4012.92	1446.20	821.26	-1190.39	1.94	1446.20	304.60
4379.00	13.80	305.71	4072.94	1461.75	830.10	-1203.18	2.47	1461.75	304.60
4442.00	12.77	307.17	4134.25	1476.21	838.69	-1214.83	1.72	1476.21	304.62
4504.00	12.04	307.09	4194.80	1489.52	846.73	-1225.45	1.18	1489.52	304.64
4566.00	11.18	305.43	4255.53	1501.99	854.11	-1235.50	1.49	1501.99	304.66
4630.00	10.24	303.89	4318.42	1513.88	860.88	-1245.28	1.54	1513.88	304.66
4690.00	9.53	302.39	4377.53	1524.18	866.52	-1253.90	1.26	1524.18	304.65
4753.00	7.96	303.17	4439.79	1533.75	871.70	-1261.96	2.50	1533.75	304.63
4817.00	6.92	301.95	4503.25	1542.03	876.16	-1268.94	1.64	1542.03	304.62
4881.00	5.75	303.04	4566.86	1549.09	879.95	-1274.90	1.84	1549.09	304.61
4964.00	4.25	296.08	4649.54	1556.29	883.57	-1281.15	1.95	1556.29	304.59



**Scientific
Drilling**

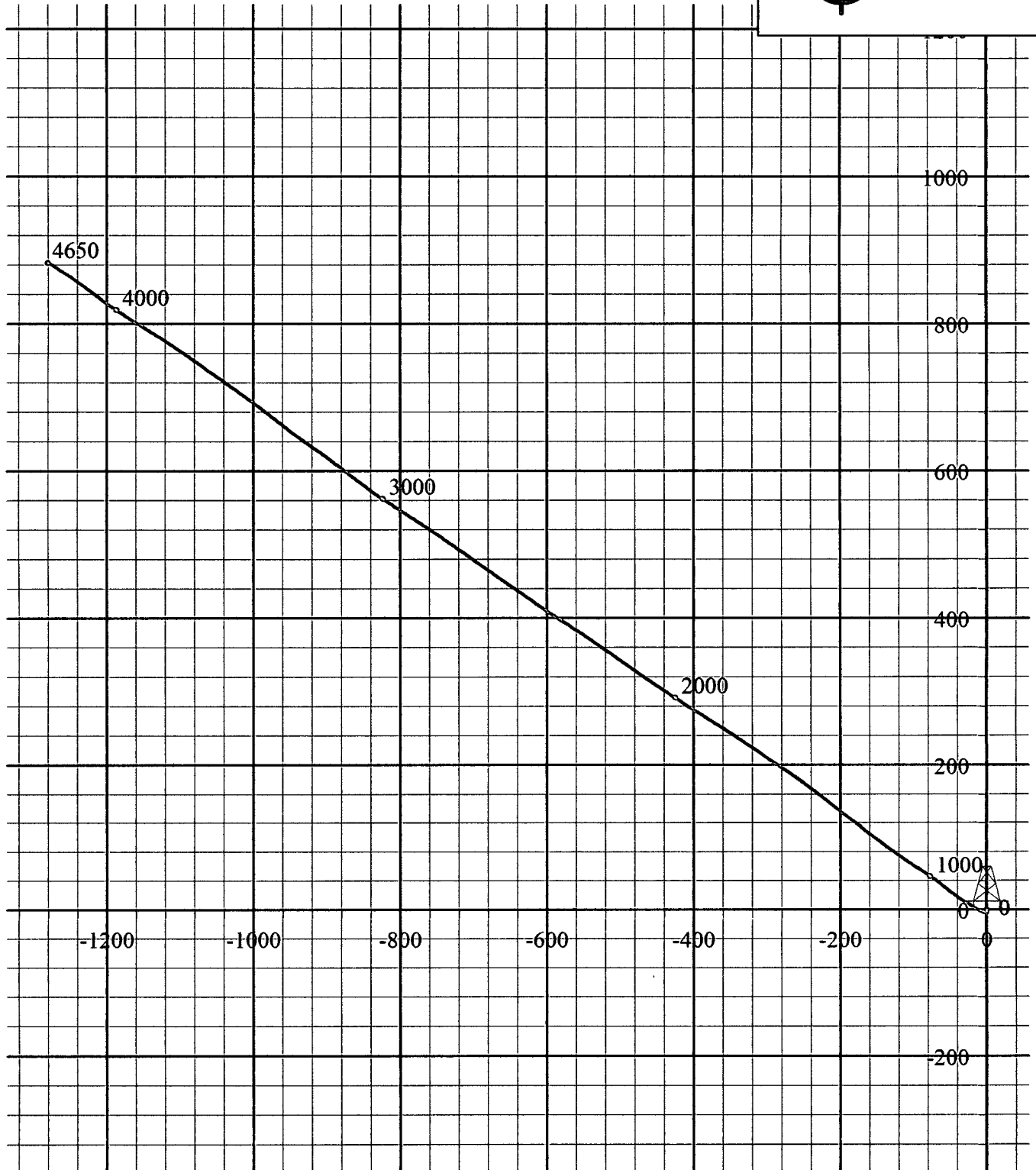
Field: San Juan
Site: Rio Arriba County, NM
Well: San Juan 31-6 #45N
Wellpath: DH - Job #33D1108252
Survey: 11/05/08-11/11/08



Azimuths to True North
Magnetic North: 0.00°

Magnetic Field
Strength: 0nT
Dip Angle: 0.00°
Date: 12/01/2008
Model: igrf2000

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



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