

District I
PO Box 1980, Hobbs, NM 88241-1980

District II
PO Drawer DD, Artesia, NM 88211-0719

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088
"as drilled plat"

Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-30117		*Pool Code 72319 / 71599	*Pool Name BLANCO MESAVERDE / BASIN DAKOTA	
*Property Code 31328	*Property Name SAN JUAN 31-6 UNIT			*Well Number 50M
*GRID No. 217817	*Operator Name CONOCOPHILLIPS COMPANY			RCVD DEC 11 1997 OIL CONS. DIV. Elevation 5226'

¹⁰ Surface Location

UL or lot no. F	Section 31	Township 31N	Range 6W	Lot Idn	Feet from the 2545	North/South line NORTH	Feet from the 1405	East/West line WEST	County RIO ARriba
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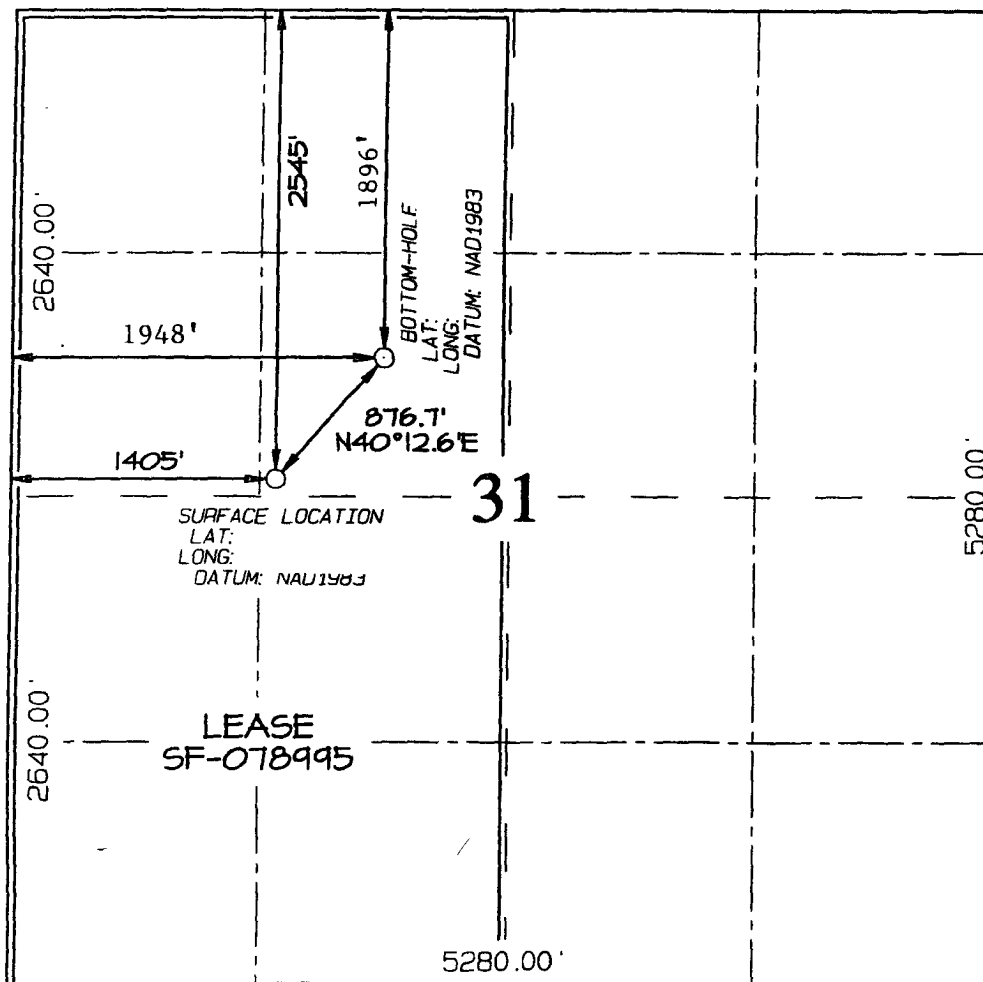
¹¹ Bottom Hole Location If Different From Surface

UL or lot no. F	Section 31	Township 31N	Range 6W	Lot Idn	Feet from the 1896'	North/South line NORTH	Feet from the 1948'	East/West line WEST	County RIO ARriba
¹² Dedicated Acres 320.0 Acres - W/2					¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.		

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

16

5273.40'



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

Signature: *Tamra Sessions* Date: 12/06/2007

Printed Name
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.

Date of Survey: 7/26/06

Signature and Seal of Professional Surveyor:

Jaron Edwards 15269
Certificate Number

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PO Drawer DD, Artesia, NM 88211-0719

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"as drilled plat"

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RCVD DEC 7 '07

☐ AMENDED REPORT

OIL CONS. DIV.

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-30117	*Pool Code 72319 / 71599	*Pool Name BLANCO MESAVERDE / BASIN DAKOTA	DIST. 3
*Property Code 31328	*Property Name SAN JUAN 31-6 UNIT		*Well Number 50M
*GRID No 217817	*Operator Name CONOCOPHILLIPS COMPANY		*Elevation 6226'

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
F	31	31N	6W		2545	NORTH	1405	WEST	RIO ARriba

¹¹ Bottom Hole Location If Different From Surface

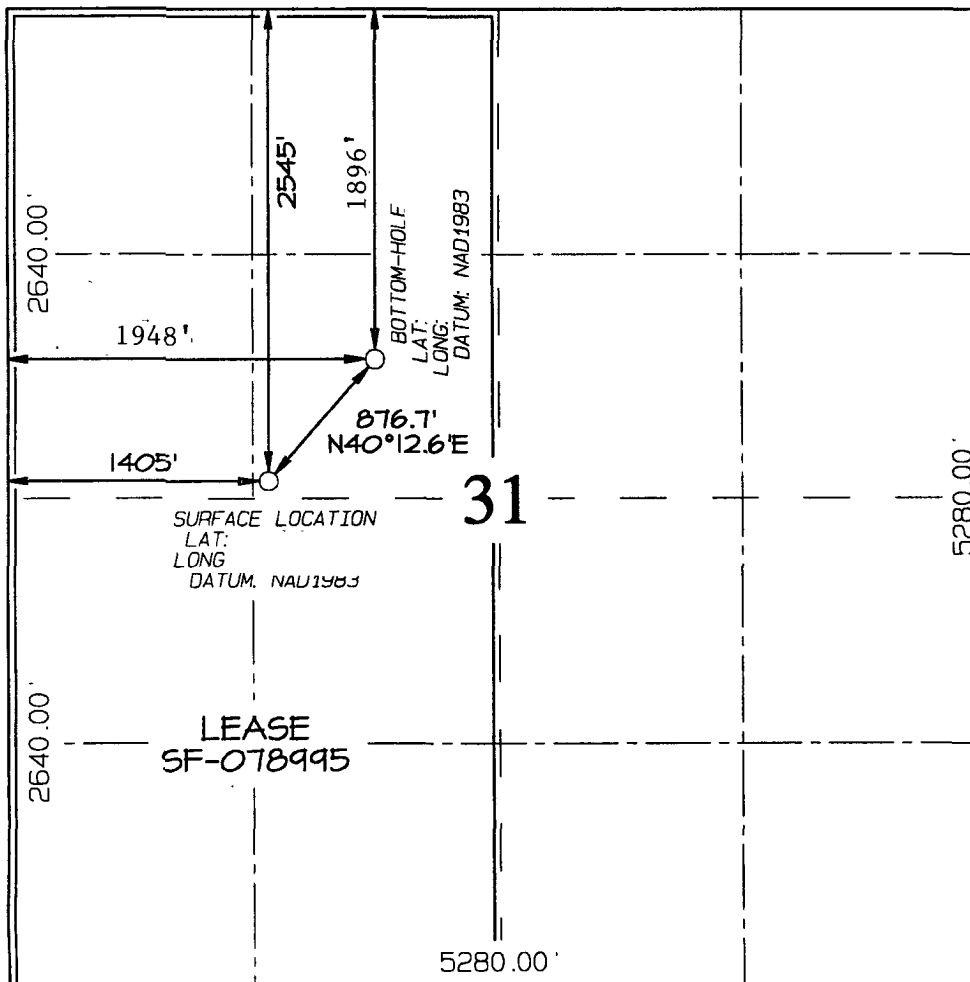
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	31	31N	6W		1896'	NORTH	1948'	WEST	RIO ARriba

¹² Dedicated Acres 320.0 Acres - 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

¹⁶

5273.40'



¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief

Tamra Sessions
Signature

Tamra Sessions
Printed Name

Regulatory Technician
Title

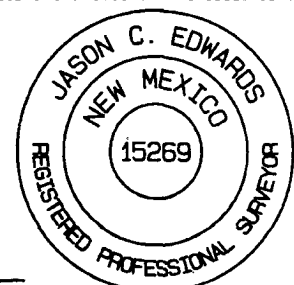
12/06/2007
Date

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: JULY 26, 2006

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
9/30/2007	2,190.00	21.82	MWD	Scientific Drilling
9/30/2007	2,254.00	22.16	MWD	Scientific Drilling
9/30/2007	2,316.00	22.77	MWD	Scientific Drilling
9/30/2007	2,380.00	23.08	MWD	Scientific Drilling
9/30/2007	2,444.00	22.97	MWD	Scientific Drilling
9/30/2007	2,508.00	23.06	MWD	Scientific Drilling
9/30/2007	2,571.00	22.39	MWD	Scientific Drilling
10/1/2007	2,634.00	21.39	MWD	Scientific Drilling
10/1/2007	2,697.00	18.68	MWD	Scientific Drilling
10/1/2007	2,761.00	17.50	MWD	Scientific Drilling
10/1/2007	2,824.00	16.67	MWD	Scientific Drilling
10/1/2007	2,888.00	15.21	MWD	Scientific Drilling
10/1/2007	2,952.00	13.59	MWD	Scientific Drilling
10/1/2007	3,015.00	12.34	MWD	Scientific Drilling
10/1/2007	3,079.00	11.13	MWD	Scientific Drilling
10/1/2007	3,143.00	9.50	MWD	Scientific Drilling
10/1/2007	3,207.00	8.36	MWD	Scientific Drilling
10/1/2007	3,271.00	7.66	MWD	Scientific Drilling
10/1/2007	3,334.00	7.00	MWD	Scientific Drilling
10/1/2007	3,398.00	5.39	MWD	Scientific Drilling
10/1/2007	3,437.00	3.87	MWD	Scientific Drilling
10/10/2007	7,880.00	0.75	FINAL BHS	PHOENIX

RCVD DEC 7 '07
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.

Subscribed and sworn to me this 12-6-07

Charles S. Rogers
Notary Public in and for San Juan County, New Mexico

My Commission expires January 10, 2011

COP Deviation Report
SAN JUAN 31-6 UNIT #50M

Operator CONOCOPHILLIPS	Legal WellName SAN JUAN 31-6 UNIT #50M	API / UWI 3003930117	County RIO ARRIBA	State/Province NEW MEXICO
Surface Legal Location SEC:31;TWN:031N;RNG:006W	N/S Dist (ft) 2,545.00	N/S Ref FNL	E/W Dist (ft) 1,405.00	E/W Ref FWL

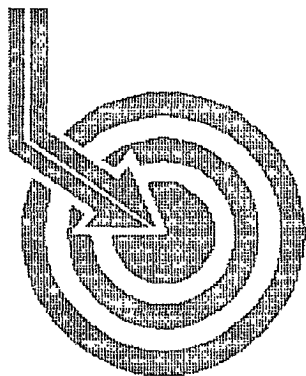
Survey Data				
Date	MD (ftKB)	Incl (°)	Method	Survey Company
7/23/2007	120.00	0.75	DEVIATION	MO-TE
7/23/2007	220.00	1.50	DEVIATION	MO-TE
7/23/2007	320.00	2.00	DEVIATION	MO-TE
9/29/2007	409.00	2.25	MWD	Scientific Drilling
9/29/2007	462.00	2.07	MWD	Scientific Drilling
9/29/2007	481.00	1.94	MWD	Scientific Drilling
9/29/2007	512.00	2.23	MWD	Scientific Drilling
9/29/2007	542.00	2.90	MWD	Scientific Drilling
9/29/2007	573.00	3.36	MWD	Scientific Drilling
9/29/2007	602.00	4.06	MWD	Scientific Drilling
9/29/2007	634.00	4.74	MWD	Scientific Drilling
9/29/2007	665.00	5.29	MWD	Scientific Drilling
9/29/2007	695.00	6.13	MWD	Scientific Drilling
9/29/2007	725.00	6.85	MWD	Scientific Drilling
9/29/2007	789.00	8.70	MWD	Scientific Drilling
9/29/2007	853.00	10.65	MWD	Scientific Drilling
9/29/2007	917.00	12.70	MWD	Scientific Drilling
9/29/2007	980.00	14.61	MWD	Scientific Drilling
9/29/2007	1,044.00	16.23	MWD	Scientific Drilling
9/29/2007	1,108.00	17.85	MWD	Scientific Drilling
9/29/2007	1,171.00	19.75	MWD	Scientific Drilling
9/29/2007	1,235.00	21.76	MWD	Scientific Drilling
9/29/2007	1,299.00	23.19	MWD	Scientific Drilling
9/29/2007	1,362.00	23.21	MWD	Scientific Drilling
9/29/2007	1,426.00	23.02	MWD	Scientific Drilling
9/29/2007	1,490.00	22.64	MWD	Scientific Drilling
9/29/2007	1,554.00	23.27	MWD	Scientific Drilling
9/29/2007	1,617.00	23.79	MWD	Scientific Drilling
9/29/2007	1,681.00	23.62	MWD	Scientific Drilling
9/30/2007	1,744.00	23.47	MWD	Scientific Drilling
9/30/2007	1,808.00	23.16	MWD	Scientific Drilling
9/30/2007	1,872.00	23.63	MWD	Scientific Drilling
9/30/2007	1,936.00	23.55	MWD	Scientific Drilling
9/30/2007	1,999.00	23.58	MWD	Scientific Drilling
9/30/2007	2,063.00	22.95	MWD	Scientific Drilling
9/30/2007	2,127.00	21.72	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 _____



Scientific Drilling

RCVD DEC 7 '07

OIL CONS. DIV.

DIST. 3

CONOCOPHILLIPS

Field: San Juan
Site: San Juan County, NM
Well: San Juan 31-6 #50M
Wellpath: DH - Job #33D0907861
Survey: 09/26/07-10/02/07

Handwritten signature/initials

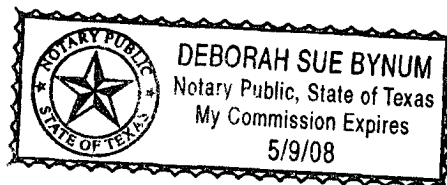
This survey is correct to the best of my knowledge
and is supported by actual field data.

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

Notorized this date 5th of October, 2007.

Deborah Sue Bynum
Notary Signature

County of Midland
State of Texas





Scientific Drilling International Survey Report

Company: CONOCOPHILLIPS	Date: 10/05/2007	Time: 14:10:05	Page: 1
Field: San Juan	Co-ordinate(NE) Reference: Site: San Juan County, NM, Grid North		
Site: San Juan County, NM	Vertical (TVD) Reference: SITE 0.0		
Well: San Juan 31-6 #50M	Section (VS) Reference: Well (0.00N,0.00E,40.21Azi)		
Wellpath: DH - Job #33D0907861	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Survey: 09/26/07-10/02/07	Start Date: 09/26/2007
Company: Scientific Drilling Internatio	Engineer: Lowe/Calvert/Oleniczak/Heikkin
Tool: E-field;E-field MWD	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
409.00	2.25	269.06	408.89	-5.28	-0.13	-8.03	0.55	8.03	269.06
462.00	2.07	285.69	461.86	-6.37	0.11	-9.99	1.23	9.99	270.63
481.00	1.94	303.50	480.85	-6.55	0.38	-10.59	3.34	10.60	272.06
512.00	2.23	313.15	511.83	-6.58	1.08	-11.47	1.47	11.52	275.39
542.00	2.90	335.33	541.80	-6.22	2.17	-12.21	3.95	12.40	280.08
573.00	3.36	354.21	572.75	-5.26	3.79	-12.63	3.62	13.18	286.70
602.00	4.06	7.45	601.69	-3.81	5.65	-12.58	3.80	13.79	294.19
634.00	4.74	16.61	633.60	-1.64	8.04	-12.06	3.05	14.49	303.70
665.00	5.29	23.21	664.48	0.90	10.58	-11.13	2.57	15.36	313.56
695.00	6.13	27.75	694.33	3.79	13.27	-9.84	3.18	16.52	323.46
725.00	6.85	30.88	724.14	7.11	16.22	-8.17	2.67	18.17	333.27
789.00	8.70	36.84	787.55	15.71	23.37	-3.31	3.15	23.61	351.94
853.00	10.65	41.11	850.63	26.46	31.70	3.48	3.24	31.90	6.27
917.00	12.70	41.71	913.31	39.41	41.41	12.05	3.21	43.13	16.23
980.00	14.61	39.38	974.52	54.28	52.73	21.70	3.15	57.02	22.37
1044.00	16.23	39.55	1036.22	71.29	65.86	32.52	2.53	73.45	26.28
1108.00	17.85	39.66	1097.41	90.04	80.31	44.47	2.53	91.80	28.98
1171.00	19.75	41.52	1157.04	110.34	95.72	57.69	3.16	111.76	31.08
1235.00	21.76	42.89	1216.89	133.01	112.50	72.94	3.23	134.08	32.96
1299.00	23.19	44.38	1276.02	157.42	130.20	89.83	2.40	158.18	34.60
1362.00	23.21	44.10	1333.93	182.18	147.98	107.14	0.18	182.70	35.90
1426.00	23.02	43.22	1392.79	207.26	166.16	124.49	0.62	207.62	36.84
1490.00	22.64	42.70	1451.78	232.06	184.33	141.41	0.67	232.32	37.49
1554.00	23.27	41.02	1510.71	257.01	202.92	158.06	1.42	257.22	37.92
1617.00	23.79	40.60	1568.47	282.16	221.96	174.50	0.87	282.34	38.17
1681.00	23.62	38.95	1627.07	307.89	241.73	190.96	1.07	308.06	38.31
1744.00	23.47	39.01	1684.83	333.05	261.30	206.79	0.24	333.22	38.36
1808.00	23.16	37.44	1743.60	358.36	281.19	222.46	1.08	358.55	38.35
1872.00	23.63	38.07	1802.34	383.75	301.28	238.02	0.83	383.96	38.31
1936.00	23.55	39.28	1860.99	409.35	321.28	254.03	0.77	409.57	38.33
1999.00	23.58	42.01	1918.74	434.53	340.38	270.43	1.73	434.73	38.47
2063.00	22.95	40.31	1977.54	459.80	359.41	287.07	1.44	459.98	38.62
2127.00	21.72	41.45	2036.73	484.12	377.80	302.98	2.04	484.28	38.73
2190.00	21.82	42.70	2095.24	507.47	395.14	318.64	0.75	507.61	38.88
2254.00	22.16	43.80	2154.59	531.40	412.60	335.06	0.83	531.51	39.08
2316.00	22.77	42.09	2211.88	555.07	429.94	351.19	1.44	555.15	39.24
2380.00	23.08	41.63	2270.83	579.99	448.51	367.83	0.56	580.05	39.36
2444.00	22.97	41.14	2329.73	605.01	467.29	384.38	0.35	605.07	39.44
2508.00	23.06	41.01	2388.63	630.03	486.15	400.82	0.16	630.08	39.50
2571.00	22.39	40.48	2446.74	654.37	504.59	416.71	1.11	654.41	39.55
2634.00	21.39	41.47	2505.20	677.85	522.32	432.10	1.69	677.89	39.60
2697.00	18.68	42.90	2564.38	699.42	538.33	446.58	4.37	699.45	39.68
2761.00	17.50	42.22	2625.22	719.28	552.96	460.02	1.87	719.30	39.76
2824.00	16.67	42.49	2685.44	737.77	566.64	472.49	1.32	737.79	39.82
2888.00	15.21	41.30	2746.97	755.34	579.72	484.24	2.34	755.35	39.87
2952.00	13.59	41.45	2808.96	771.25	591.66	494.75	2.53	771.26	39.90
3015.00	12.34	38.34	2870.36	785.38	602.49	503.83	2.27	785.39	39.90
3079.00	11.13	38.26	2933.02	798.39	612.70	511.90	1.89	798.40	39.88

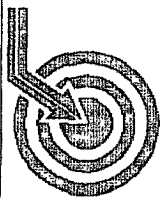


Scientific Drilling International Survey Report

Company: CONOCOPHILLIPS Date: 10/05/2007 Time: 14:10:05 Page: 2
Field: San Juan Co-ordinate(NE) Reference: Site: San Juan County, NM, Grid North
Site: San Juan County, NM Vertical (TVD) Reference: SITE 0.0
Well: San Juan 31-6 #50M Section (VS) Reference: Well (0.00N,0.00E,40.21Azi)
Wellpath: DH - Job #33D0907861 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
3143.00	9.50	33.83	2995.98	809.81	621.94	518.66	2.83	809.83	39.83
3207.00	8.36	37.11	3059.20	819.71	630.04	524.41	1.95	819.73	39.77
3271.00	7.66	42.25	3122.58	828.62	636.91	530.09	1.56	828.64	39.77
3334.00	7.00	46.60	3185.07	836.63	642.65	535.70	1.37	836.65	39.81
3398.00	5.39	52.21	3248.69	843.44	647.18	540.91	2.68	843.46	39.89
3437.00	3.87	55.56	3287.56	846.50	649.04	543.44	3.96	846.51	39.94



**Scientific
Drilling**

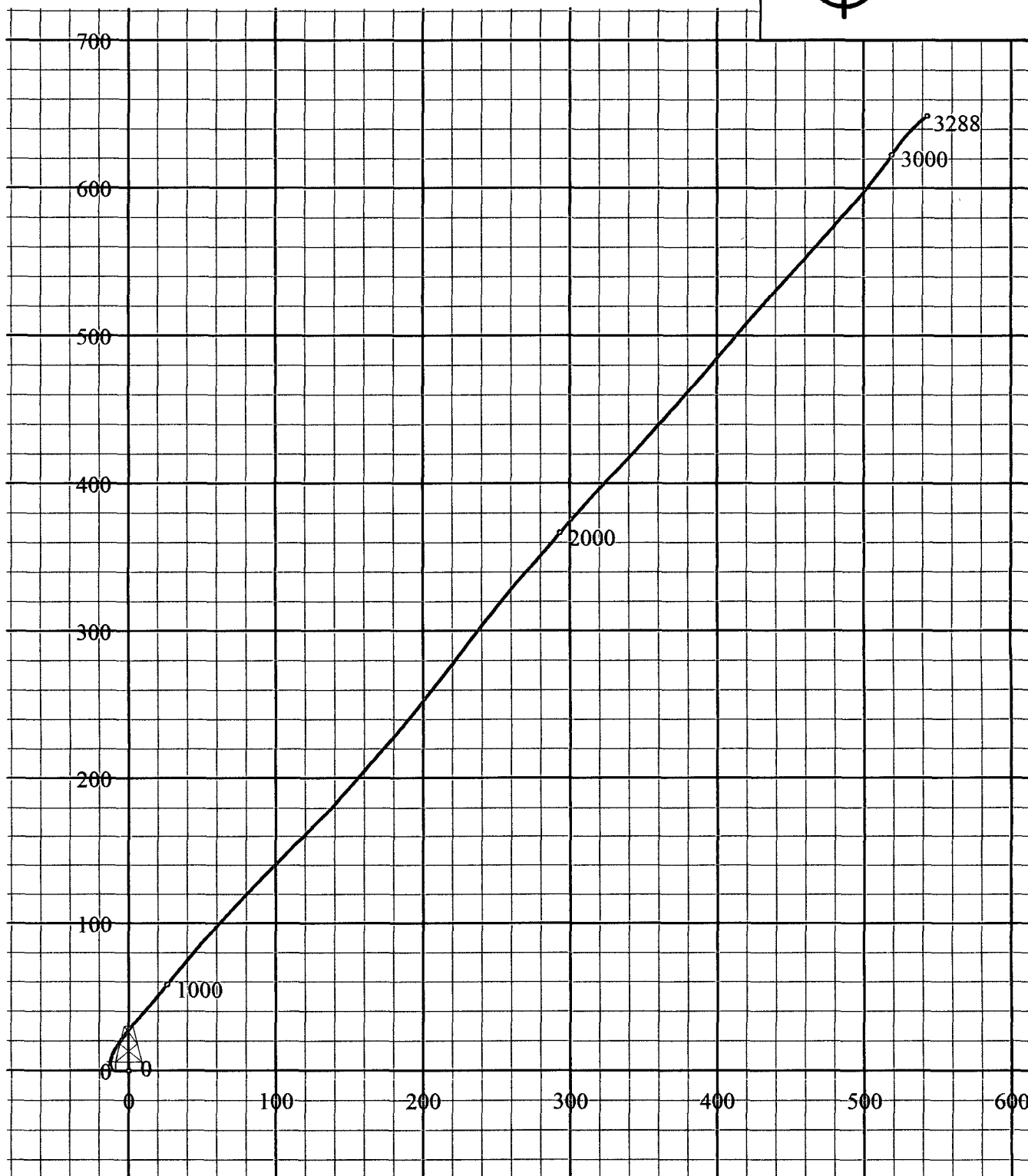
Field: San Juan
Site: San Juan County, NM
Well: San Juan 31-6 #50M
Wellpath: DH - Job #33D0907861
Survey: 09/26/07-10/02/07



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

Magnetic Field
Strength: 0nT
Dip Angle: 0.00°
Date: 10/05/2007
Model: igrf2000

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



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