



Scientific Drilling

BASS ENTERPRISES

Field: Golden Lane (Morrow)
Site: Eddy County, NM
Well: Big Eddy #153
Wellpath: VH - Job #32K0905698
Survey: 09/24/05

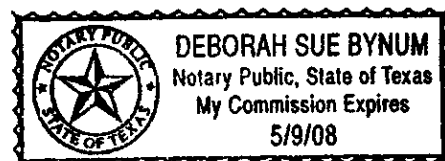
This survey is correct to the best of my knowledge
and is supported by actual field data.

.....*Deborah Sue Bynum*.....Company Representative

Notorized this date 16th of October, 2005.

Deborah Sue Bynum
Notary Signature

County of Midland
State of Texas





Scientific Drilling International Survey Report

Company: BASS ENTERPRISES	Date: 10/16/2005	Time: 07:44:32	Page: 1
Field: Golden Lane (Morrow)	Co-ordinate(NE) Reference:	Site: Eddy County, NM, Grid North	
Site: Eddy County, NM	Vertical (TVD) Reference:	SITE 0.0	
Well: Big Eddy #153	Section (VS) Reference:	Well (0.00N,0.00E,64.82Azi)	
Wellpath: VH - Job #32K0905698	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey: 09/24/05	Start Date: 9/24/2005
Company: Scientific Drilling Internatio	Engineer: Gonzales w/P&M
Tool: Keeper;Keeper Gyro	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
30.00	0.08	127.10	30.00	0.01	-0.01	0.02	0.27	0.02	127.10
60.00	0.12	119.80	60.00	0.04	-0.04	0.06	0.14	0.07	123.97
90.00	0.14	138.24	90.00	0.07	-0.08	0.11	0.15	0.14	126.73
120.00	0.21	135.90	120.00	0.09	-0.15	0.18	0.23	0.23	130.72
150.00	0.22	103.37	150.00	0.16	-0.20	0.27	0.40	0.34	127.07
180.00	0.25	104.26	180.00	0.25	-0.23	0.39	0.10	0.45	120.92
210.00	0.40	69.15	210.00	0.41	-0.21	0.55	0.81	0.59	111.05
240.00	0.52	62.37	240.00	0.65	-0.11	0.77	0.44	0.78	98.24
270.00	0.47	61.77	270.00	0.91	0.01	1.00	0.17	1.00	89.43
300.00	0.55	84.10	300.00	1.17	0.08	1.25	0.71	1.25	86.20
330.00	0.64	69.82	329.99	1.47	0.16	1.55	0.58	1.56	84.27
360.00	0.73	71.83	359.99	1.83	0.27	1.89	0.31	1.91	81.77
390.00	0.77	52.89	389.99	2.21	0.45	2.23	0.83	2.28	78.49
420.00	0.63	62.25	419.99	2.57	0.65	2.54	0.60	2.62	75.58
450.00	0.98	82.90	449.98	2.98	0.76	2.94	1.50	3.04	75.48
480.00	1.12	86.01	479.98	3.50	0.81	3.49	0.50	3.58	76.87
510.00	1.47	76.28	509.97	4.15	0.92	4.15	1.37	4.25	77.44
540.00	1.91	75.55	539.96	5.02	1.14	5.01	1.47	5.14	77.17
570.00	2.12	76.51	569.94	6.05	1.40	6.03	0.71	6.19	76.98
600.00	2.26	78.07	599.92	7.17	1.65	7.15	0.51	7.34	77.03
630.00	2.43	77.73	629.89	8.37	1.90	8.35	0.57	8.57	77.16
660.00	2.46	81.33	659.87	9.61	2.14	9.61	0.52	9.84	77.47
690.00	2.61	79.49	689.84	10.88	2.36	10.92	0.57	11.17	77.81
720.00	2.67	79.54	719.80	12.22	2.61	12.28	0.20	12.55	78.00
750.00	2.78	81.53	749.77	13.59	2.84	13.68	0.48	13.98	78.26
780.00	2.89	78.61	779.73	15.02	3.10	15.14	0.61	15.46	78.43
810.00	2.75	77.85	809.70	16.46	3.40	16.59	0.48	16.93	78.41
840.00	2.92	78.25	839.66	17.90	3.71	18.04	0.57	18.42	78.39
870.00	3.05	81.37	869.62	19.41	3.98	19.58	0.69	19.98	78.50
900.00	3.23	80.22	899.57	20.99	4.25	21.20	0.64	21.62	78.67
930.00	3.06	78.02	929.53	22.59	4.56	22.82	0.69	23.27	78.71
960.00	2.92	77.41	959.49	24.11	4.89	24.35	0.48	24.83	78.64
990.00	2.87	79.77	989.45	25.58	5.19	25.83	0.43	26.35	78.64
1020.00	3.10	80.56	1019.41	27.09	5.46	27.37	0.78	27.91	78.73
1050.00	2.98	76.92	1049.37	28.63	5.77	28.93	0.76	29.50	78.73
1080.00	2.91	77.38	1079.33	30.14	6.11	30.43	0.25	31.04	78.65
1110.00	2.86	81.42	1109.29	31.60	6.39	31.91	0.70	32.55	78.68
1140.00	3.04	78.59	1139.25	33.09	6.66	33.43	0.77	34.09	78.74
1170.00	3.02	80.30	1169.21	34.62	6.95	34.99	0.31	35.68	78.77
1200.00	2.83	82.31	1199.17	36.09	7.18	36.51	0.72	37.21	78.88
1230.00	3.04	82.13	1229.13	37.56	7.39	38.03	0.70	38.74	79.01
1260.00	3.00	81.95	1259.09	39.07	7.60	39.59	0.14	40.32	79.13
1290.00	2.79	82.19	1289.05	40.51	7.81	41.09	0.70	41.83	79.23
1320.00	2.80	83.23	1319.01	41.91	8.00	42.55	0.17	43.29	79.35
1350.00	2.94	80.72	1348.98	43.34	8.21	44.03	0.63	44.79	79.44
1380.00	2.86	81.42	1378.94	44.80	8.45	45.53	0.29	46.31	79.49
1410.00	2.92	82.31	1408.90	46.24	8.66	47.03	0.25	47.82	79.57
1440.00	3.16	79.74	1438.86	47.77	8.91	48.60	0.92	49.41	79.61



Scientific Drilling International Survey Report

Company: BASS ENTERPRISES
Field: Golden Lane (Morrow)
Site: Eddy County, NM
Well: Big Eddy #153
Wellpath: VH - Job #32K0905698

Date: 10/16/2005 Time: 07:44:32 Page: 2
Co-ordinate(NE) Reference: Site: Eddy County, NM, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,64.82Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

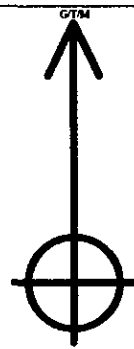
Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClbD ft	ClbA deg
1470.00	3.00	83.72	1468.81	49.31	9.14	50.19	0.89	51.02	79.68
1500.00	3.16	80.57	1498.77	50.85	9.36	51.79	0.78	52.63	79.75
1530.00	3.29	78.92	1528.72	52.48	9.66	53.45	0.53	54.32	79.75
1560.00	2.85	78.56	1558.68	54.04	9.98	55.03	1.47	55.92	79.72
1590.00	2.96	77.68	1588.64	55.52	10.29	56.51	0.40	57.44	79.68
1620.00	3.13	67.67	1618.60	57.09	10.77	58.03	1.86	59.02	79.49
1650.00	3.15	57.05	1648.55	58.73	11.53	59.48	1.94	60.58	79.03
1680.00	3.47	57.11	1678.50	60.45	12.47	60.93	1.07	62.19	78.44
1710.00	4.40	54.55	1708.43	62.48	13.63	62.63	3.15	64.10	77.72
1740.00	5.52	49.88	1738.32	65.00	15.23	64.67	3.97	66.44	76.75
1770.00	6.66	48.96	1768.15	68.07	17.30	67.09	3.81	69.28	75.54
1800.00	7.90	47.31	1797.91	71.71	19.84	69.92	4.19	72.68	74.16
1830.00	9.27	43.40	1827.57	75.93	22.99	73.09	4.96	76.62	72.54
1860.00	9.78	43.75	1857.16	80.55	26.59	76.51	1.71	81.00	70.84
1890.00	10.13	41.49	1886.71	85.35	30.41	80.02	1.75	85.60	69.20
1920.00	10.21	41.76	1916.24	90.22	34.36	83.54	0.31	90.33	67.64
1950.00	9.85	44.41	1945.78	95.08	38.18	87.11	1.95	95.11	66.33
1980.00	9.90	42.86	1975.33	99.87	41.90	90.66	0.90	99.87	65.19
1990.00	9.86	41.84	1985.18	101.46	43.17	91.81	1.80	101.46	64.82



Scientific
Drilling

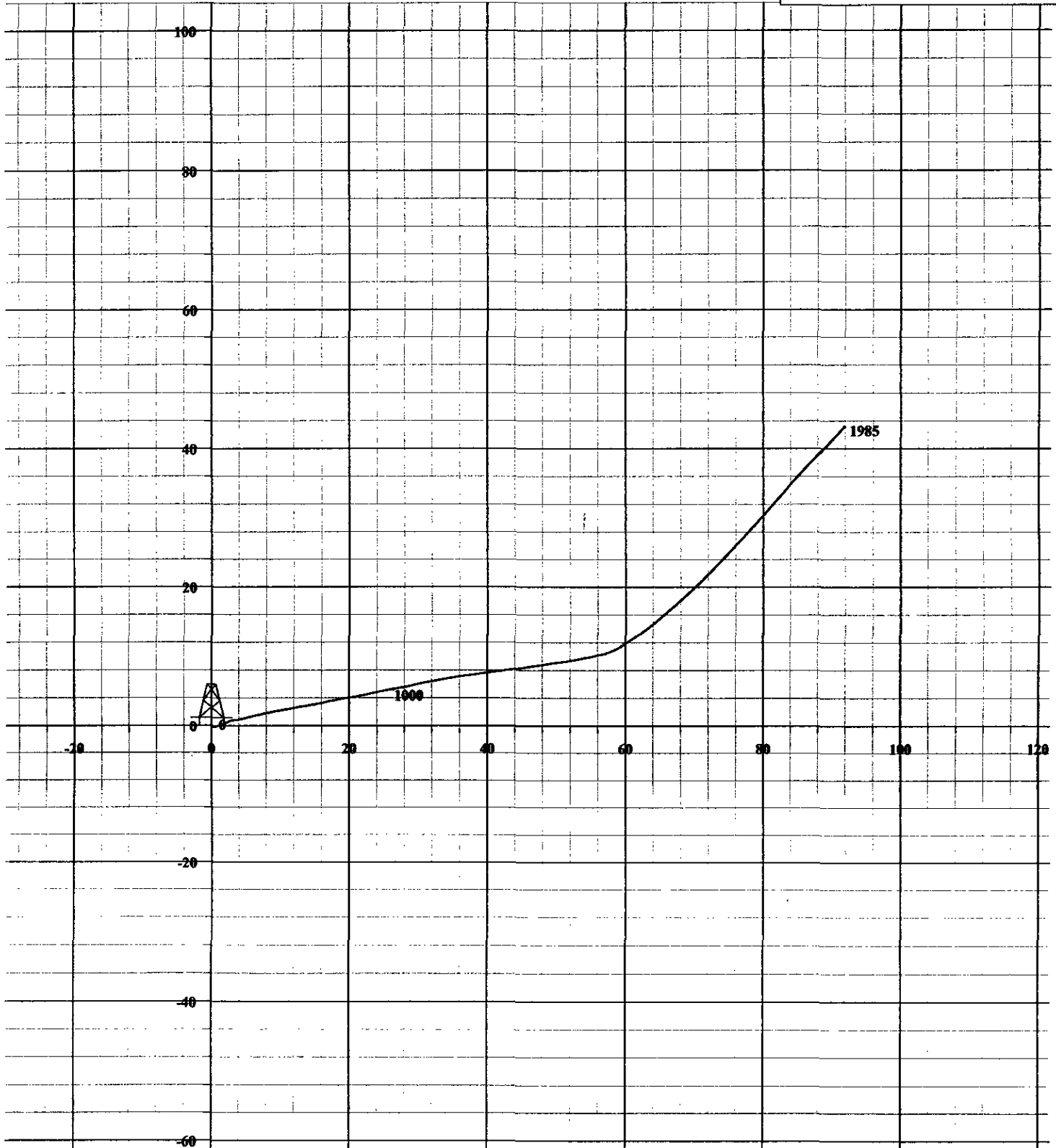
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Arithmetic to Grid North
True North: 0.00°
Magnetic North: 0.00°

Magnetic Field
Source: SUT
Dip Angle: 0.00°
Date: 10/16/2005
Model: IgrD000

South(-)/North(+) [20ft/in]



West(-)/East(+) [20ft/in]