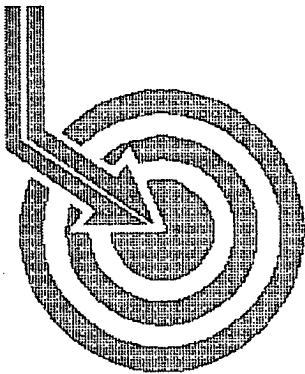




Scientific Drilling

FASKEN OIL & RANCH, LTD.

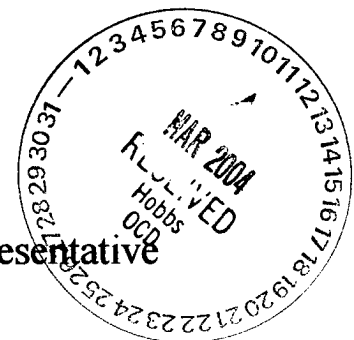
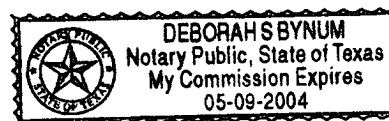
Field: Buckeye
Site: Lea County, NM
Well: Buckeye 1 State #1
Wellpath: DH - Job #32D1003519
Survey: 10/01/03-10/19/03

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

Ken Needy Company Representative

Notorized this date 16th of December, 2003.

Deborah S Bynum
Notary Signature
County of Midland
State of Texas



Scientific Drilling Survey Report

Company: FASKEN OIL & RANCH, LTD.
Field: Buckeye
Site: Lea County, NM
Well: Buckeye 1 State #1
Wellpath: VH - Job #32K1003518

Date: 12/15/2003 **Time:** 14:54:48 **Page:** 1
Co-ordinate(NE) Reference: Site: Lea County, NM, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,180.00Azi)
Survey Calculation Method: Minimum Curvature **Db:** Sybase

Survey: 10/01/03 **Start Date:** 10/1/2003
Company: Scientific Drilling **Engineer:** Ron Drake
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
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.0	0.00
100.0	0.23	312.36	100.0	-0.1	0.1	-0.1	0.23	0.2	312.36
200.0	0.24	320.33	200.0	-0.4	0.4	-0.4	0.03	0.6	315.09
300.0	0.09	251.97	300.0	-0.6	0.6	-0.6	0.22	0.9	311.68
400.0	0.26	337.67	400.0	-0.8	0.8	-0.8	0.27	1.1	313.33
500.0	0.21	357.62	500.0	-1.1	1.1	-0.9	0.10	1.5	322.09
600.0	0.30	339.12	600.0	-1.6	1.6	-1.0	0.12	1.9	327.73
700.0	0.17	335.82	700.0	-2.0	2.0	-1.1	0.13	2.3	329.57
800.0	0.11	331.53	800.0	-2.2	2.2	-1.3	0.06	2.5	330.01
900.0	0.15	282.88	900.0	-2.3	2.3	-1.4	0.11	2.7	328.03
1000.0	0.34	336.92	1000.0	-2.6	2.6	-1.7	0.28	3.1	327.15
1100.0	0.43	328.38	1100.0	-3.2	3.2	-2.0	0.11	3.8	328.05
1200.0	0.39	327.48	1200.0	-3.8	3.8	-2.4	0.04	4.5	328.03
1300.0	0.26	327.84	1300.0	-4.3	4.3	-2.7	0.13	5.0	327.98
1400.0	0.32	340.44	1400.0	-4.7	4.7	-2.9	0.09	5.5	328.60
1500.0	0.35	302.86	1500.0	-5.2	5.2	-3.2	0.22	6.1	327.89
1600.0	0.22	300.15	1600.0	-5.4	5.4	-3.7	0.13	6.5	325.97
1700.0	0.27	294.21	1700.0	-5.6	5.6	-4.0	0.06	6.9	324.25
1800.0	0.31	296.99	1800.0	-5.8	5.8	-4.5	0.04	7.4	322.37
1900.0	0.27	306.17	1900.0	-6.1	6.1	-4.9	0.06	7.8	321.04
2000.0	0.24	254.61	2000.0	-6.2	6.2	-5.3	0.22	8.1	319.26
2100.0	0.29	266.06	2100.0	-6.1	6.1	-5.8	0.07	8.4	316.59
2200.0	0.19	235.66	2200.0	-6.0	6.0	-6.2	0.16	8.6	314.19
2300.0	0.35	207.90	2300.0	-5.6	5.6	-6.4	0.20	8.6	311.14
2400.0	0.41	229.34	2400.0	-5.1	5.1	-6.9	0.15	8.6	306.77
2500.0	0.26	203.55	2500.0	-4.7	4.7	-7.2	0.21	8.6	302.97
2600.0	0.33	202.20	2600.0	-4.2	4.2	-7.4	0.07	8.5	299.56
2700.0	0.20	113.33	2700.0	-3.9	3.9	-7.4	0.38	8.3	297.73
2800.0	0.24	103.87	2800.0	-3.8	3.8	-7.0	0.05	7.9	298.18
2900.0	0.28	96.35	2900.0	-3.7	3.7	-6.6	0.05	7.5	299.27
3000.0	0.29	70.98	3000.0	-3.7	3.7	-6.1	0.13	7.1	301.56
3100.0	0.36	89.89	3100.0	-3.8	3.8	-5.5	0.13	6.7	304.64
3200.0	0.21	102.42	3200.0	-3.8	3.8	-5.0	0.16	6.3	306.90
3300.0	0.15	101.95	3300.0	-3.7	3.7	-4.7	0.06	6.0	308.15
3400.0	0.07	111.61	3400.0	-3.7	3.7	-4.5	0.08	5.8	308.89
3500.0	0.11	237.44	3500.0	-3.6	3.6	-4.6	0.16	5.8	308.17
3600.0	0.08	247.46	3600.0	-3.5	3.5	-4.7	0.03	5.9	306.69
3700.0	0.06	259.62	3700.0	-3.5	3.5	-4.8	0.02	5.9	305.75
3800.0	0.08	236.91	3800.0	-3.4	3.4	-4.9	0.03	6.0	304.76
3900.0	0.12	242.32	3900.0	-3.3	3.3	-5.1	0.04	6.1	303.28
4000.0	0.10	285.52	4000.0	-3.3	3.3	-5.3	0.08	6.2	302.19
4100.0	0.21	289.21	4100.0	-3.4	3.4	-5.5	0.11	6.5	301.60
4200.0	0.27	268.05	4200.0	-3.4	3.4	-5.9	0.11	6.9	300.18
4300.0	0.57	267.13	4300.0	-3.4	3.4	-6.7	0.30	7.5	297.14
4400.0	0.51	283.96	4400.0	-3.5	3.5	-7.6	0.17	8.4	294.74
4500.0	0.49	279.13	4500.0	-3.7	3.7	-8.4	0.05	9.2	293.50
4600.0	0.53	294.12	4599.9	-3.9	3.9	-9.3	0.14	10.1	292.93
4700.0	0.51	296.52	4699.9	-4.3	4.3	-10.1	0.03	11.0	293.12
4800.0	0.69	312.83	4799.9	-4.9	4.9	-10.9	0.25	12.0	294.22

Scientific Drilling

Survey Report

Company: FASKEN OIL & RANCH, LTD.
Field: Buckeye
Site: Lea County, NM
Well: Buckeye 1 State #1
Wellpath: VH - Job #32K1003518

Date: 12/15/2003 **Time:** 14:54:48 **Page:** 2
Co-ordinate(N/E) Reference: Site: Lea County, NM, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,180.00Azi)
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
4900.0	0.57	297.08	4899.9	-5.6	5.6	-11.8	0.21	13.1	295.17
5000.0	0.54	302.12	4999.9	-6.0	6.0	-12.7	0.06	14.0	295.47
5100.0	0.44	293.16	5099.9	-6.4	6.4	-13.4	0.13	14.9	295.62
5200.0	0.52	293.18	5199.9	-6.8	6.8	-14.2	0.08	15.7	295.49
5300.0	0.46	305.43	5299.9	-7.2	7.2	-14.9	0.12	16.6	295.67
5400.0	0.52	285.69	5399.9	-7.5	7.5	-15.7	0.18	17.4	295.63
5500.0	0.53	277.04	5499.9	-7.7	7.7	-16.6	0.08	18.3	294.93
5600.0	0.60	293.71	5599.9	-8.0	8.0	-17.5	0.18	19.3	294.47
5700.0	0.49	297.48	5699.9	-8.4	8.4	-18.4	0.12	20.2	294.51
5800.0	0.64	283.78	5799.9	-8.7	8.7	-19.3	0.20	21.2	294.29
5900.0	0.71	271.11	5899.9	-8.9	8.9	-20.5	0.16	22.3	293.41
6000.0	0.68	261.88	5999.9	-8.8	8.8	-21.7	0.12	23.4	292.07
6100.0	0.77	258.21	6099.9	-8.6	8.6	-22.9	0.10	24.5	290.49
6200.0	0.85	260.19	6199.9	-8.3	8.3	-24.3	0.08	25.7	288.86
6300.0	0.89	254.22	6299.9	-8.0	8.0	-25.8	0.10	27.0	287.17
6400.0	0.92	255.54	6399.8	-7.6	7.6	-27.3	0.04	28.3	285.46
6500.0	0.83	260.83	6499.8	-7.2	7.2	-28.8	0.12	29.7	284.11
6600.0	0.83	261.90	6599.8	-7.0	7.0	-30.2	0.02	31.0	283.07
6700.0	0.92	269.08	6699.8	-6.9	6.9	-31.8	0.14	32.5	282.27
6800.0	0.82	263.80	6799.8	-6.8	6.8	-33.3	0.13	34.0	281.58
6900.0	0.76	258.28	6899.8	-6.6	6.6	-34.6	0.10	35.3	280.80
7000.0	0.77	261.69	6999.8	-6.4	6.4	-36.0	0.05	36.5	280.05
7100.0	0.81	261.72	7099.8	-6.2	6.2	-37.3	0.04	37.8	279.40
7200.0	0.75	264.96	7199.8	-6.0	6.0	-38.7	0.07	39.1	278.84
7300.0	0.82	260.31	7299.7	-5.8	5.8	-40.0	0.09	40.4	278.30
7400.0	0.76	261.17	7399.7	-5.6	5.6	-41.4	0.06	41.8	277.73
7500.0	0.92	258.42	7499.7	-5.4	5.4	-42.8	0.16	43.2	277.12
7600.0	0.99	260.72	7599.7	-5.1	5.1	-44.5	0.08	44.8	276.48
7700.0	1.04	255.27	7699.7	-4.7	4.7	-46.2	0.11	46.4	275.79
7800.0	1.22	249.80	7799.7	-4.1	4.1	-48.1	0.21	48.2	274.86
7900.0	1.01	255.07	7899.7	-3.5	3.5	-49.9	0.23	50.0	274.00
8000.0	0.97	257.12	7999.6	-3.1	3.1	-51.6	0.05	51.7	273.41
8100.0	1.21	251.70	8099.6	-2.6	2.6	-53.4	0.26	53.5	272.74
8200.0	1.06	260.24	8199.6	-2.1	2.1	-55.3	0.23	55.4	272.14
8300.0	1.10	254.24	8299.6	-1.6	1.6	-57.2	0.12	57.2	271.65
8400.0	1.14	250.96	8399.6	-1.1	1.1	-59.0	0.08	59.1	271.03
8500.0	1.18	242.25	8499.5	-0.3	0.3	-60.9	0.18	60.9	270.24
8600.0	1.20	235.20	8599.5	0.8	-0.8	-62.7	0.15	62.7	269.25
8700.0	1.13	228.45	8699.5	2.1	-2.1	-64.3	0.15	64.3	268.16
8800.0	1.22	221.51	8799.5	3.5	-3.5	-65.7	0.17	65.8	266.93
8900.0	1.22	222.94	8899.5	5.1	-5.1	-67.1	0.03	67.3	265.66
9000.0	1.44	221.87	8999.4	6.8	-6.8	-68.7	0.22	69.0	264.34
9100.0	1.58	228.05	9099.4	8.7	-8.7	-70.6	0.21	71.1	263.00
9200.0	1.45	229.47	9199.4	10.4	-10.4	-72.6	0.14	73.3	261.83
9300.0	1.62	229.42	9299.3	12.2	-12.2	-74.6	0.17	75.6	260.74
9400.0	1.59	227.41	9399.3	14.0	-14.0	-76.7	0.06	78.0	259.64
9500.0	1.78	223.56	9499.2	16.1	-16.1	-78.8	0.22	80.4	258.46
9600.0	1.86	222.03	9599.2	18.4	-18.4	-80.9	0.09	83.0	257.19
9700.0	1.70	222.75	9699.1	20.7	-20.7	-83.0	0.16	85.6	256.00
9800.0	1.79	221.82	9799.1	23.0	-23.0	-85.1	0.09	88.1	254.90
9900.0	1.74	220.92	9899.1	25.3	-25.3	-87.1	0.06	90.7	253.82
10000.0	1.71	223.83	9999.0	27.5	-27.5	-89.1	0.09	93.3	252.86

Scientific Drilling Survey Report

Company: FASKEN OIL & RANCH, LTD.	Date: 12/15/2003	Time: 14:54:48	Page: 3
Field: Buckeye	Co-ordinate(NE) Reference:	Site: Lea County, NM, Grid North	
Site: Lea County, NM	Vertical (TVD) Reference:	SITE 0.0	
Well: Buckeye 1 State #1	Section (VS) Reference:	Well (0.00N,0.00E,180.00Azi)	
Wellpath: VH - Job #32K1003518	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
10100.0	1.68	219.33	10099.0	29.7	-29.7	-91.1	0.14	95.8	251.94
10200.0	1.63	221.83	10198.9	31.9	-31.9	-93.0	0.09	98.3	251.07
10300.0	1.63	222.60	10298.9	34.0	-34.0	-94.9	0.02	100.8	250.29
10400.0	1.67	223.88	10398.8	36.1	-36.1	-96.9	0.05	103.4	249.56
10500.0	1.94	223.28	10498.8	38.4	-38.4	-99.0	0.27	106.2	248.81
10600.0	1.96	221.24	10598.7	40.9	-40.9	-101.3	0.07	109.3	248.02
10700.0	2.18	219.03	10698.7	43.7	-43.7	-103.6	0.23	112.5	247.16
10800.0	2.82	205.49	10798.6	47.4	-47.4	-105.9	0.87	116.0	245.90
10900.0	3.39	199.39	10898.4	52.4	-52.4	-107.9	0.66	120.0	244.12
11000.0	3.81	197.15	10998.2	58.3	-58.3	-109.9	0.44	124.4	242.04
11100.0	3.80	198.37	11098.0	64.7	-64.7	-111.9	0.08	129.3	239.99
11200.0	3.86	196.22	11197.8	71.0	-71.0	-113.9	0.16	134.2	238.05
11300.0	3.75	191.78	11297.6	77.5	-77.5	-115.5	0.31	139.1	236.16
11400.0	4.29	188.94	11397.3	84.4	-84.4	-116.8	0.58	144.1	234.15
11500.0	4.57	190.18	11497.0	92.0	-92.0	-118.1	0.30	149.7	232.08
11596.0	5.67	196.06	11592.6	100.3	-100.3	-120.0	1.27	156.4	230.12

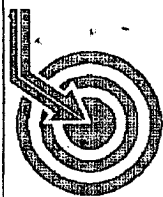
Scientific Drilling Survey Report

Company: FASKEN OIL & RANCH, LTD. Field: Buckeye Site: Lea County, NM Well: Buckeye 1 State #1 Wellpath: DH - Job #32D1003519	Date: 12/15/2003 Time: 15:06:47 Page: 1 Co-ordinate(NE) Reference: Site: Lea County, NM, Grid North Vertical (TVD) Reference: SITE 0.0 Section (VS) Reference: Well (0.00N,0.00E,180.00Azi) Survey Calculation Method: Minimum Curvature Db: Sybase
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Survey: 10/01/03-10/19/03 MWD 11654'-12600' Company: Scientific Drilling Tool:	Start Date: 10/1/2003 Engineer: Hoffman/Smith Tied-to: From: Definitive Path
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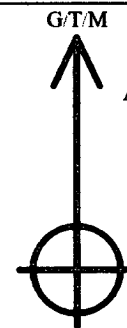
Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
11596.0	5.67	196.06	11592.6	100.3	-100.3	-120.0	0.00	156.4	230.12
11654.0	5.23	191.03	11650.4	105.6	-105.6	-121.3	1.12	160.9	228.95
11718.0	4.59	182.90	11714.1	111.1	-111.1	-122.0	1.47	165.0	227.69
11781.0	4.23	165.40	11777.0	115.8	-115.8	-121.6	2.20	167.9	226.38
11874.0	3.58	141.00	11869.7	121.4	-121.4	-118.9	1.90	169.9	224.40
11905.0	3.29	133.50	11900.7	122.8	-122.8	-117.6	1.72	170.0	223.77
11956.0	2.86	124.40	11951.6	124.5	-124.5	-115.5	1.27	169.8	222.86
12020.0	3.72	136.05	12015.5	126.9	-126.9	-112.8	1.70	169.8	221.62
12059.0	4.54	143.37	12054.4	129.0	-129.0	-111.0	2.50	170.2	220.69
12091.0	4.69	147.30	12086.3	131.2	-131.2	-109.5	1.09	170.9	219.85
12122.0	4.53	152.40	12117.2	133.3	-133.3	-108.2	1.42	171.7	219.07
12154.0	4.20	156.00	12149.1	135.5	-135.5	-107.2	1.34	172.8	218.34
12185.0	3.63	162.69	12180.0	137.5	-137.5	-106.4	2.35	173.9	217.74
12216.0	2.97	159.09	12211.0	139.2	-139.2	-105.8	2.23	174.8	217.26
12247.0	2.38	151.78	12242.0	140.5	-140.5	-105.3	2.19	175.5	216.84
12277.0	2.51	136.70	12271.9	141.5	-141.5	-104.5	2.18	175.9	216.45
12309.0	2.88	137.73	12303.9	142.6	-142.6	-103.5	1.17	176.2	215.97
12341.0	3.17	134.52	12335.8	143.8	-143.8	-102.3	1.05	176.5	215.43
12374.0	3.40	132.61	12368.8	145.1	-145.1	-100.9	0.77	176.8	214.82
12436.0	3.72	139.96	12430.7	147.9	-147.9	-98.3	0.90	177.6	213.61
12499.0	2.99	140.89	12493.6	150.8	-150.8	-95.9	1.16	178.7	212.47
12561.0	1.56	123.20	12555.5	152.5	-152.5	-94.2	2.54	179.2	211.71
12600.0	1.56	123.20	12594.5	153.1	-153.1	-93.3	0.00	179.3	211.37



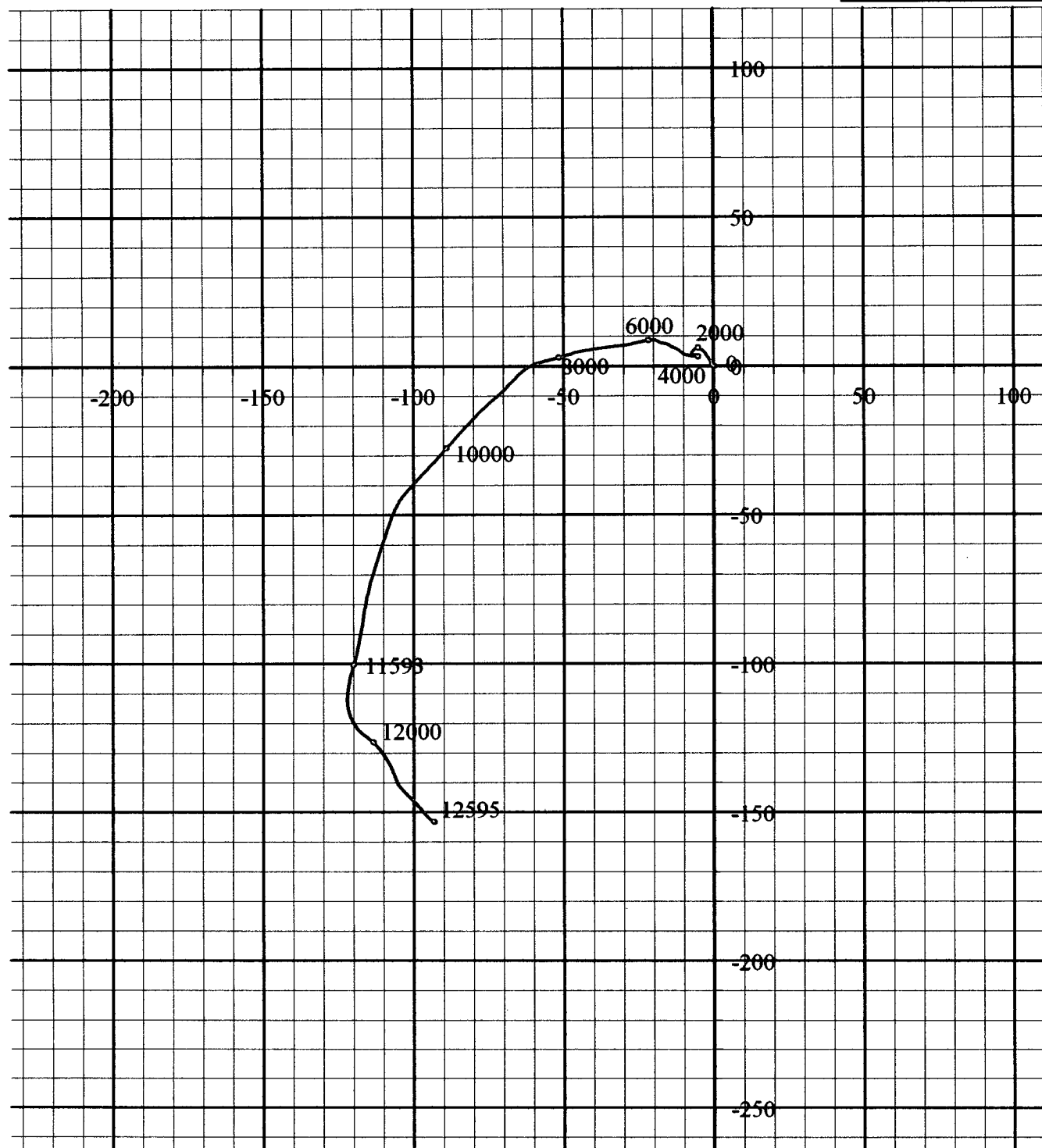
**Scientific
Drilling**

Field: Buckeye
Site: Lea County, NM
Well: Buckeye 1 State #1
Wellpath: DH - Job #32D1003519
Survey: 10/01/03-10/19/03



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

Magnetic Field
Strength: 0nT
Dip Angle: 0.00°
Date: 12/15/2003
Model: igrf2000



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

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