Scientific Drilling

NEARBURG PRODUCING

Field: S. Midway Strawn
Site: Lea County, NM
Well: Kimbrough 20 #1
Wellpath: DH - Job #32D1001532
Survey: 10/6/01-10/25/01

SUR: O-20-17s-37e, 1250/S & 1725/E
BHL: P-20-17s-37e, 945/S & 712/E
30-025-31079

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

Doyle Mood .....Company Representative

Notorized this date 7th of November, 2001.

Deborah Sue Bynum
Notary Signature
County of Midland
State of Texas

DEBORAH S BYNUM
Notary Public, State of Texas
My Commission Expires
05-09-2004

Scientific Drilling International
Survey Report

Company:	NEARBURG PRODUCING	**Date:**	11/6/2001	**Time:** 14:09:01	**Page:** 1
Field:	S. Midway Strawn	**Co-ordinate(NE) Reference:**	Site: Lea County, NM, True North		
Site:	Lea County, NM	**Vertical (TVD) Reference:**	SITE 0.0 above Mean Sea Level		
Well:	Kimbrough 20 #1	**Section (VS) Reference:**	Well (0.0E,0.0N,105.9Azi)		
Wellpath:	VH - Job #32K1001533	**Survey Calculation Method:**	Minimum Curvature		

Survey:	10/8/01 KSRG 0'-7897'	**Start Date:**	11/6/2001
Company:	Scientific Drilling Internatio	**Engineer:**	Gary DeSpain
Tool:	Keeper		

Survey

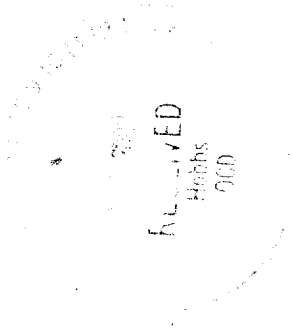
MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	ClsD ft	ClsA deg
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.00
100.0	0.28	277.56	100.0	-0.2	0.0	-0.2	0.2	277.56
200.0	0.38	299.32	200.0	-0.8	0.2	-0.8	0.8	286.33
300.0	0.18	311.78	300.0	-1.3	0.5	-1.2	1.3	292.71
400.0	0.19	264.60	400.0	-1.6	0.6	-1.5	1.6	291.73
500.0	0.27	242.28	500.0	-1.9	0.5	-1.8	1.9	284.00
600.0	0.39	232.34	600.0	-2.3	0.1	-2.3	2.3	273.46
700.0	0.35	232.37	700.0	-2.6	-0.3	-2.8	2.8	264.85
800.0	0.51	234.21	800.0	-3.1	-0.7	-3.4	3.5	258.44
900.0	0.49	226.96	900.0	-3.6	-1.3	-4.1	4.3	253.01
1000.0	0.42	232.89	1000.0	-4.0	-1.8	-4.7	5.0	249.43
1100.0	0.57	249.87	1100.0	-4.7	-2.2	-5.5	5.9	248.45
1200.0	0.58	267.54	1200.0	-5.5	-2.4	-6.4	6.9	249.94
1300.0	0.59	261.72	1300.0	-6.5	-2.4	-7.5	7.8	251.82
1400.0	0.49	269.64	1400.0	-7.4	-2.5	-8.4	8.8	253.26
1500.0	0.63	263.83	1500.0	-8.3	-2.6	-9.4	9.7	254.56
1600.0	0.57	265.63	1600.0	-9.3	-2.7	-10.4	10.7	255.54
1700.0	0.63	265.97	1699.9	-10.3	-2.8	-11.5	11.8	256.45
1800.0	0.56	260.50	1799.9	-11.2	-2.9	-12.5	12.8	257.01
1900.0	0.59	258.51	1899.9	-12.1	-3.1	-13.5	13.8	257.19
2000.0	0.56	268.57	1999.9	-13.0	-3.2	-14.5	14.8	257.61
2100.0	0.65	263.87	2099.9	-14.0	-3.2	-15.5	15.9	258.17
2200.0	0.46	263.57	2199.9	-14.9	-3.4	-16.5	16.8	258.49
2300.0	0.43	264.66	2299.9	-15.6	-3.4	-17.2	17.6	258.74
2400.0	0.44	265.64	2399.9	-16.4	-3.5	-18.0	18.3	259.00
2500.0	0.57	233.92	2499.9	-17.0	-3.8	-18.8	19.2	258.51
2600.0	0.59	234.51	2599.9	-17.7	-4.4	-19.6	20.1	257.32
2700.0	0.58	233.84	2699.9	-18.3	-5.0	-20.4	21.0	256.23
2800.0	0.48	231.80	2799.9	-18.8	-5.6	-21.2	21.9	255.27
2900.0	0.55	234.75	2899.9	-19.4	-6.1	-21.9	22.7	254.42
3000.0	0.46	240.13	2999.9	-20.0	-6.6	-22.6	23.6	253.79
3100.0	0.18	261.75	3099.9	-20.4	-6.8	-23.1	24.1	253.62
3200.0	0.09	345.15	3199.9	-20.6	-6.8	-23.3	24.3	253.85
3300.0	0.34	34.28	3299.9	-20.5	-6.4	-23.2	24.0	254.49
3400.0	0.29	47.18	3399.9	-20.3	-6.0	-22.8	23.6	255.24
3500.0	0.35	43.85	3499.9	-20.0	-5.6	-22.4	23.1	255.93
3600.0	0.30	25.55	3599.9	-19.8	-5.2	-22.1	22.7	256.85
3700.0	0.42	12.04	3699.9	-19.8	-4.6	-21.9	22.4	258.22
3800.0	0.51	13.08	3799.9	-19.9	-3.8	-21.7	22.1	260.14
3900.0	0.56	17.43	3899.9	-19.9	-2.9	-21.5	21.7	262.37
4000.0	0.70	18.67	3999.9	-19.8	-1.8	-21.1	21.2	265.05
4100.0	0.70	14.05	4099.9	-19.8	-0.7	-20.8	20.8	268.18
4200.0	0.75	20.90	4199.9	-19.8	0.5	-20.4	20.4	271.52
4300.0	0.88	32.49	4299.8	-19.5	1.8	-19.8	19.9	275.21
4400.0	1.14	25.08	4399.8	-19.1	3.4	-18.9	19.2	280.04
4500.0	1.50	18.85	4499.8	-18.9	5.5	-18.1	18.9	286.88
4600.0	1.72	17.29	4599.8	-18.8	8.2	-17.2	19.1	295.36
4700.0	1.67	14.72	4699.7	-18.8	11.0	-16.4	19.8	303.85

Scientific Drilling International
Survey Report

Company:	NEARBURG PRODUCING	**Date:** 11/6/2001	**Time:** 14:09:01	**Page:**	2
Field:	S. Midway Strawn	**Co-ordinate(NE) Reference:**	Site: Lea County, NM, True North		
Site:	Lea County, NM	**Vertical (TVD) Reference:**	SITE 0.0 above Mean Sea Level		
Well:	Kimbrough 20 #1	**Section (VS) Reference:**	Well (0.0E,0.0N,105.9Azi)		
Wellpath:	VH - Job #32K1001533	**Survey Calculation Method:**	Minimum Curvature		

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	ClsD ft	ClsA deg
4800.0	1.63	6.86	4799.7	-19.0	13.8	-15.9	21.0	311.07
4900.0	1.67	8.22	4899.6	-19.5	16.7	-15.5	22.8	317.12
5000.0	1.65	4.57	4999.6	-19.9	19.6	-15.2	24.7	322.21
5100.0	1.63	8.90	5099.5	-20.4	22.4	-14.8	26.9	326.49
5200.0	1.56	12.82	5199.5	-20.6	25.1	-14.3	28.9	330.35
5300.0	1.48	17.01	5299.5	-20.7	27.7	-13.6	30.9	333.80
5400.0	1.26	20.95	5399.4	-20.6	30.0	-12.9	32.6	336.77
5500.0	1.32	13.09	5499.4	-20.5	32.1	-12.2	34.3	339.19
5600.0	0.99	29.64	5599.4	-20.4	34.0	-11.5	35.9	341.28
5700.0	0.60	41.99	5699.4	-19.9	35.1	-10.7	36.7	343.00
5800.0	0.26	71.72	5799.4	-19.5	35.6	-10.2	37.0	344.04
5900.0	0.18	115.17	5899.4	-19.2	35.6	-9.8	36.9	344.58
6000.0	0.18	136.57	5999.4	-18.9	35.4	-9.6	36.7	344.88
6100.0	0.12	129.07	6099.4	-18.7	35.2	-9.4	36.4	345.10
6200.0	0.19	163.48	6199.4	-18.5	35.0	-9.2	36.2	345.20
6300.0	0.24	323.47	6299.4	-18.6	35.0	-9.3	36.2	345.09
6400.0	0.65	6.89	6399.4	-18.8	35.7	-9.4	36.9	345.29
6500.0	1.06	1.77	6499.4	-19.1	37.2	-9.3	38.4	346.00
6600.0	1.64	351.82	6599.3	-19.9	39.6	-9.5	40.7	346.57
6700.0	1.86	350.02	6699.3	-21.2	42.6	-9.9	43.8	346.87
6800.0	2.32	336.97	6799.2	-23.2	46.1	-11.0	47.4	346.55
6900.0	2.64	338.06	6899.1	-25.9	50.1	-12.7	51.7	345.80
7000.0	2.55	328.36	6999.0	-29.0	54.1	-14.7	56.1	344.80
7100.0	2.43	321.35	7098.9	-32.3	57.7	-17.2	60.2	343.40
7200.0	2.38	317.39	7198.9	-35.8	60.8	-19.9	64.0	341.87
7300.0	2.41	317.25	7298.8	-39.4	63.9	-22.7	67.8	340.41
7400.0	2.27	317.40	7398.7	-42.9	66.9	-25.5	71.6	339.13
7500.0	2.31	319.58	7498.6	-46.2	69.9	-28.2	75.4	338.06
7600.0	2.14	321.71	7598.5	-49.4	72.9	-30.6	79.1	337.21
7700.0	2.06	325.69	7698.5	-52.3	75.9	-32.8	82.6	336.62
7800.0	2.02	328.81	7798.4	-55.0	78.8	-34.7	86.2	336.23
7897.0	2.39	327.20	7895.3	-57.8	82.0	-36.7	89.8	335.89



Scientific Drilling International
Survey Report

Company:	NEARBURG PRODUCING	**Date:** 11/6/2001	**Time:** 14:16:33	**Page:**	1
Field:	S. Midway Strawn	**Co-ordinate(NE) Reference:**	Site: Lea County, NM, True North		
Site:	Lea County, NM	**Vertical (TVD) Reference:**	SITE 0.0 above Mean Sea Level		
Well:	Kimbrough 20 #1	**Section (VS) Reference:**	Well (0.0E,0.0N,105.9Azi)		
Wellpath:	DH - Job #32D1001532	**Survey Calculation Method:**	Minimum Curvature		

Survey:	10/6/01-10/25/01 MWD 7997'-10242	**Start Date:**	11/6/2001
Company:	Scientific Drilling Internatio	**Engineer:**	Hoffman/Hendrix
Tool:	MWD		

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	ClsD ft	ClsA deg
7897.0	2.39	327.20	7895.3	-57.8	82.0	-36.7	89.8	335.89
7997.0	4.00	109.90	7995.3	-55.9	82.6	-34.6	89.5	337.29
8061.0	5.30	112.30	8059.0	-50.7	80.7	-29.7	86.0	339.78
8124.0	6.70	110.20	8121.7	-44.1	78.3	-23.6	81.8	343.25
8188.0	8.40	108.80	8185.1	-35.7	75.5	-15.6	77.1	348.30
8249.0	9.70	106.10	8245.4	-26.1	72.7	-6.5	73.0	354.90
8311.0	11.20	106.80	8306.3	-14.9	69.5	4.3	69.6	3.54
8373.0	13.10	104.90	8367.0	-1.9	65.9	16.8	68.0	14.34
8436.0	14.90	106.00	8428.1	13.4	61.9	31.5	69.4	27.01
8499.0	16.50	106.40	8488.7	30.4	57.1	47.9	74.5	40.00
8562.0	17.70	107.20	8548.9	48.9	51.7	65.6	83.6	51.75
8626.0	19.10	107.30	8609.7	69.1	45.7	84.9	96.5	61.69
8721.0	20.10	108.70	8699.2	101.0	35.9	115.2	120.7	72.70
8815.0	21.80	108.60	8786.9	134.6	25.1	147.1	149.2	80.30
8879.0	21.60	107.30	8846.4	158.2	17.9	169.6	170.5	83.99
8975.0	21.70	110.20	8935.6	193.6	6.5	203.1	203.2	88.18
9039.0	20.90	110.50	8995.3	216.7	-1.6	224.9	224.9	90.41
9133.0	22.30	109.50	9082.7	251.3	-13.4	257.4	257.8	92.99
9229.0	22.00	107.40	9171.6	287.4	-24.9	291.8	292.8	94.88
9324.0	21.70	106.40	9259.8	322.8	-35.2	325.6	327.5	96.17
9388.0	21.20	106.40	9319.3	346.2	-41.8	348.0	350.5	96.85
9485.0	22.70	109.30	9409.3	382.4	-52.9	382.5	386.2	97.88
9549.0	23.60	108.90	9468.1	407.5	-61.2	406.3	410.9	98.56
9613.0	22.00	109.30	9527.1	432.3	-69.3	429.7	435.3	99.16
9708.0	19.80	105.90	9615.9	466.1	-79.6	462.0	468.8	99.77
9772.0	20.10	107.70	9676.0	488.0	-85.9	482.9	490.5	100.08
9836.0	20.60	108.60	9736.0	510.2	-92.8	504.1	512.5	100.43
9932.0	21.00	108.30	9825.8	544.3	-103.6	536.4	546.3	100.93
9996.0	21.00	111.30	9885.5	567.1	-111.4	558.0	569.0	101.29
10060.0	21.20	110.60	9945.3	590.1	-119.6	579.5	591.7	101.66
10123.0	20.70	111.50	10004.1	612.5	-127.7	600.5	613.9	102.00
10188.0	20.40	111.90	10065.0	635.2	-136.1	621.7	636.4	102.35
10283.0	21.30	110.90	10153.7	668.9	-148.5	653.2	669.9	102.80
10347.0	22.80	110.30	10213.0	692.8	-156.9	675.7	693.7	103.07
10443.0	22.50	109.60	10301.6	729.7	-169.5	710.4	730.4	103.42
10507.0	22.10	111.90	10360.9	753.9	-178.1	733.1	754.5	103.66
10603.0	21.20	112.40	10450.1	789.1	-191.5	765.9	789.5	104.03
10667.0	21.40	110.80	10509.7	812.2	-200.0	787.6	812.6	104.25
10763.0	21.00	111.40	10599.2	846.8	-212.5	820.0	847.0	104.53
10827.0	19.50	114.40	10659.3	868.8	-221.1	840.4	869.0	104.74
10891.0	18.80	113.60	10719.7	889.6	-229.7	859.5	889.7	104.96
10954.0	18.50	117.00	10779.4	909.4	-238.3	877.7	909.5	105.19
11018.0	17.40	117.00	10840.3	928.8	-247.2	895.3	928.8	105.44
11082.0	18.00	118.00	10901.3	947.9	-256.2	912.6	947.9	105.68
11177.0	18.00	118.00	10991.6	976.6	-270.0	938.5	976.6	106.05
11242.0	17.00	118.00	11053.6	995.7	-279.2	955.8	995.7	106.28
11470.0	15.00	110.00	11272.8	1057.7	-304.9	1012.9	1057.8	106.75