

SCIENTIFIC DRILLING INTERNATIONAL

MIDLAND, TEXAS

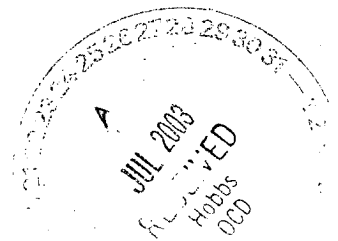
TMBR/SHARP DRILLING COMPANY

SUR: K-2-17s-35e, 1783/S & 2310/W

BHL: K-2-17s-35e, 1628/S & 2442/W

API # 30-025-34525

Well Name	: STATE '2' #1
Location	: LEA COUNTY, NM
Site	:
SHL	:
Plan BHL	:
Date of Survey	: 30 MAY 1999
Job No.	: 32K0599113
Surveyor	: GARY DESPAIN



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

[Signature]..... COMPANY REPRESENTATIVE

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Page 1 of 4
Date 30 MAY 1999
Filename : STATE2#1

Height Of WELLSITE Datum Above Field Datum 0.00 ft

No Interpolation

MD ft	INC deg	DIR deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	D'LEG °/100
0.0	0.00	N 0.00°E	0.00	0.00	0.00	0.00	0.0
100.0	0.50	N56.46°E	100.00	0.24	0.36	-0.17	0.5
200.0	0.49	N53.15°E	199.99	0.74	1.07	-0.52	0.0
300.0	0.53	N50.93°E	299.99	1.29	1.77	-0.92	0.0
400.0	0.52	N55.24°E	399.99	1.84	2.50	-1.32	0.0
500.0	0.36	N62.87°E	499.98	2.24	3.16	-1.59	0.2
600.0	0.54	N50.43°E	599.98	2.68	3.80	-1.91	0.2
700.0	0.46	N65.52°E	699.98	3.15	4.53	-2.22	0.2
800.0	0.57	N72.34°E	799.97	3.47	5.37	-2.38	0.1
900.0	0.60	N62.29°E	899.97	3.86	6.30	-2.58	0.1
1000.0	0.43	N48.91°E	999.96	4.35	7.05	-2.92	0.2
1100.0	0.59	N43.11°E	1099.96	4.97	7.68	-3.41	0.2
1200.0	0.32	N44.28°E	1199.96	5.55	8.23	-3.87	0.3
1300.0	0.49	S45.89°E	1299.95	5.45	8.73	-3.68	0.6
1400.0	0.75	S32.99°E	1399.95	4.60	9.40	-2.72	0.3
1500.0	0.61	S40.24°E	1499.94	3.65	10.10	-1.65	0.2
1600.0	0.52	S28.33°E	1599.94	2.84	10.66	-0.75	0.1
1700.0	0.84	S 7.22°E	1699.93	1.72	10.96	0.41	0.4
1800.0	0.92	S 6.55°W	1799.92	0.19	10.96	1.91	0.2
1900.0	0.74	S 8.84°W	1899.91	-1.24	10.77	3.28	0.2
2000.0	0.58	S17.86°W	1999.90	-2.36	10.52	4.33	0.2
2100.0	0.60	S24.20°W	2099.90	-3.32	10.15	5.20	0.1
2200.0	0.56	S13.58°W	2199.89	-4.28	9.82	6.07	0.1
2300.0	0.38	S21.01°W	2299.89	-5.06	9.59	6.80	0.2
2400.0	0.24	S75.93°W	2399.89	-5.42	9.26	7.09	0.3
2500.0	0.07	S86.73°W	2499.89	-5.47	9.00	7.10	0.2
2600.0	0.12	N 1.82°E	2599.89	-5.37	8.94	6.98	0.1
2700.0	0.29	N34.96°E	2699.89	-5.06	9.09	6.71	0.2
2800.0	0.32	N14.39°E	2799.88	-4.58	9.30	6.28	0.1
2900.0	0.50	N27.11°E	2899.88	-3.92	9.57	5.68	0.2
3000.0	0.83	N32.24°E	2999.87	-2.92	10.16	4.81	0.3
3100.0	1.26	N34.26°E	3099.86	-1.40	11.16	3.51	0.4
3200.0	1.63	N34.37°E	3199.82	0.68	12.59	1.74	0.4
3300.0	1.76	N38.36°E	3299.78	3.06	14.34	-0.26	0.2
3400.0	1.85	N41.52°E	3399.73	5.47	16.36	-2.24	0.1
3500.0	1.76	N44.61°E	3499.68	7.77	18.51	-4.09	0.1
3600.0	1.47	N51.46°E	3599.64	9.67	20.59	-5.55	0.3
3700.0	1.06	N50.95°E	3699.62	11.05	22.32	-6.57	0.4
3800.0	0.60	N61.75°E	3799.61	11.88	23.50	-7.16	0.5
3900.0	0.70	N68.67°E	3899.60	12.35	24.53	-7.43	0.1

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Date 30 MAY 1999

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Height Of WELLSITE Datum Above Field Datum 0.00 ft

No Interpolation

MD ft	INC deg	DIR deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	D'LEG °/100
4000.0	0.75	N75.84°E	3999.59	12.73	25.73	-7.57	0.1
4100.0	0.83	S81.29°E	4099.58	12.78	27.08	-7.36	0.3
4200.0	0.98	S53.28°E	4199.57	12.16	28.48	-6.49	0.5
4300.0	1.00	S48.79°E	4299.56	11.07	29.82	-5.16	0.1
4400.0	0.91	S39.97°E	4399.54	9.89	30.99	-3.78	0.2
4500.0	1.15	S21.09°E	4499.53	8.34	31.86	-2.10	0.4
4600.0	1.22	S15.51°E	4599.50	6.38	32.51	0.00	0.1
4700.0	1.22	S 1.57°E	4699.48	4.29	32.82	2.06	0.3
4800.0	1.55	S 7.41°W	4799.45	1.89	32.68	4.40	0.4
4900.0	1.43	S11.83°W	4899.42	-0.68	32.25	6.83	0.2
5000.0	1.57	S15.28°W	4999.38	-3.22	31.63	9.21	0.2
5100.0	1.49	S16.87°W	5099.35	-5.78	30.89	11.59	0.1
5200.0	1.49	S14.57°W	5199.32	-8.29	30.19	13.91	0.1
5300.0	1.47	S18.22°W	5299.28	-10.76	29.46	16.20	0.1
5400.0	1.47	S14.16°W	5399.25	-13.22	28.74	18.48	0.1
5500.0	1.52	S15.62°W	5499.22	-15.75	28.07	20.82	0.1
5600.0	1.35	S 5.91°W	5599.19	-18.19	27.59	23.14	0.3
5700.0	1.41	S 1.54°W	5699.16	-20.60	27.44	25.46	0.1
5800.0	1.45	S 8.94°E	5799.13	-23.08	27.60	27.93	0.3
5900.0	1.36	S 8.25°E	5899.10	-25.50	27.97	30.38	0.1
6000.0	1.36	S 4.50°E	5999.07	-27.86	28.23	32.74	0.1
6100.0	1.35	S 7.22°E	6099.04	-30.21	28.47	35.10	0.1
6200.0	1.34	S 4.50°E	6199.01	-32.54	28.71	37.44	0.1
6300.0	1.54	S 5.28°W	6298.98	-35.05	28.68	39.89	0.3
6400.0	1.48	S 5.84°W	6398.94	-37.67	28.43	42.41	0.1
6500.0	1.73	S 6.08°W	6498.91	-40.46	28.14	45.09	0.3
6600.0	1.68	S 1.86°W	6598.86	-43.42	27.93	47.96	0.1
6700.0	1.60	S 6.00°W	6698.82	-46.28	27.73	50.73	0.1
6800.0	1.61	S 3.24°W	6798.78	-49.07	27.51	53.42	0.1
6900.0	1.54	S 0.54°E	6898.74	-51.81	27.44	56.11	0.1
7000.0	1.47	S 0.07°W	6998.71	-54.44	27.45	58.69	0.1
7100.0	1.54	S 3.27°W	7098.67	-57.06	27.38	61.25	0.1
7200.0	1.57	S 1.01°W	7198.64	-59.77	27.27	63.89	0.1
7300.0	1.45	S 1.03°E	7298.60	-62.41	27.27	66.47	0.1
7400.0	1.50	S 1.26°E	7398.57	-64.98	27.32	69.01	0.0
7500.0	1.54	S 3.14°E	7498.54	-67.63	27.43	71.63	0.1
7600.0	1.44	S 5.38°E	7598.50	-70.23	27.62	74.21	0.1
7700.0	1.56	S 0.33°E	7698.47	-72.84	27.74	76.80	0.2
7800.0	1.50	S 3.31°W	7798.43	-75.51	27.68	79.41	0.1
7900.0	1.53	S 8.72°W	7898.40	-78.13	27.40	81.93	0.1

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Height Of WELLSITE Datum Above Field Datum 0.00 ft

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MD ft	INC deg	DIR deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	D'LEG °/100
8000.0	1.42	S 6.76°W	7998.36	-80.68	27.05	84.37	0.1
8100.0	1.37	S10.86°W	8098.33	-83.09	26.68	86.66	0.1
8200.0	1.28	S 6.72°W	8198.31	-85.37	26.32	88.83	0.1
8300.0	1.37	S12.41°W	8298.28	-87.65	25.94	90.99	0.2
8400.0	1.37	S 7.91°W	8398.25	-90.00	25.51	93.22	0.1
8500.0	1.27	S14.04°W	8498.23	-92.26	25.08	95.35	0.2
8600.0	1.27	S 8.06°W	8598.20	-94.43	24.66	97.40	0.1
8700.0	1.16	S13.46°W	8698.18	-96.51	24.27	99.37	0.2
8800.0	1.16	S 7.97°W	8798.16	-98.50	23.89	101.25	0.1
8900.0	1.05	S12.88°W	8898.14	-100.39	23.55	103.04	0.1
9000.0	0.87	S 1.74°E	8998.13	-102.05	23.36	104.63	0.3
9100.0	0.73	S 7.50°E	9098.12	-103.44	23.47	106.02	0.2
9200.0	0.82	S 3.96°E	9198.11	-104.78	23.60	107.36	0.1
9300.0	0.99	S 3.78°E	9298.09	-106.36	23.71	108.93	0.2
9400.0	0.89	S 1.93°E	9398.08	-108.00	23.79	110.55	0.1
9500.0	0.83	S18.93°E	9498.07	-109.46	24.05	112.04	0.3
9600.0	0.86	S 3.56°E	9598.06	-110.89	24.33	113.50	0.2
9700.0	0.91	S 7.46°E	9698.05	-112.43	24.48	115.04	0.1
9800.0	0.83	S 4.31°E	9798.04	-113.94	24.64	116.55	0.1
9900.0	0.93	S 7.78°W	9898.02	-115.46	24.59	118.03	0.2
10000.0	0.98	S 4.67°W	9998.01	-117.12	24.41	119.63	0.1
10100.0	0.95	S 6.93°W	10098.00	-118.80	24.24	121.24	0.0
10200.0	1.10	S 8.07°W	10197.98	-120.57	24.00	122.93	0.2
10300.0	1.08	S 2.98°W	10297.96	-122.46	23.82	124.76	0.1
10400.0	1.16	S 7.27°E	10397.94	-124.41	23.90	126.68	0.2
10500.0	1.17	S12.07°E	10497.92	-126.41	24.24	128.71	0.1
10600.0	1.34	S20.12°E	10597.90	-128.50	24.86	130.89	0.2
10700.0	1.33	S31.09°E	10697.87	-130.60	25.86	133.13	0.3
10800.0	1.71	S50.87°E	10797.84	-132.53	27.61	135.37	0.6
10900.0	1.78	S43.53°E	10897.79	-134.60	29.84	137.82	0.2
11000.0	1.47	S23.73°E	10997.75	-136.90	31.43	140.38	0.6
11100.0	1.42	S25.11°E	11097.72	-139.20	32.47	142.84	0.1
11200.0	1.67	S25.03°E	11197.68	-141.64	33.61	145.45	0.3
11300.0	1.66	S24.04°E	11297.64	-144.28	34.82	148.28	0.0
11400.0	1.79	S39.93°E	11397.59	-146.80	36.41	151.06	0.5
11500.0	1.65	S33.17°E	11497.55	-149.20	38.20	153.76	0.2
11600.0	0.99	S21.52°E	11597.52	-151.21	39.30	155.94	0.7
11700.0	0.80	S19.31°W	11697.51	-152.68	39.39	157.39	0.6
11800.0	0.92	S45.91°W	11797.50	-153.89	38.58	158.43	0.4
11900.0	1.06	S71.02°W	11897.49	-154.75	37.13	159.00	0.5

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Height Of WELLSITE Datum Above Field Datum 0.00 ft

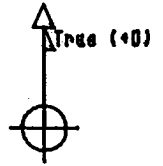
No Interpolation

MD ft	INC deg	DIR deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	D'LEG °/100
12000.0	1.17	S72.46°W	11997.47	-155.36	35.28	159.24	0.1
12100.0	0.76	S73.50°W	12097.45	-155.86	33.67	159.42	0.4
12200.0	0.07	N40.08°W	12197.45	-156.00	33.00	159.43	0.7
12300.0	0.21	N59.77°W	12297.45	-155.86	32.80	159.26	0.1
12400.0	0.43	S73.31°W	12397.45	-155.87	32.28	159.17	0.3
12500.0	0.93	N80.11°W	12497.44	-155.84	31.12	158.92	0.6
12550.0	0.86	N85.41°W	12547.43	-155.74	30.35	158.67	0.2

Origin of Bottom Hole Closure WELLSITE CENTRE
 Bottom Hole Closure 159 ft S11.03°E



SCIENTIFIC DRILLING
FOR
TUBOR/SHARP DRILLING COMPANY
STATE 2 81
IN
LEA COUNTY, NM



Departure Scale 1 inch = 40 ft

Latitude Scale 1 inch = 40 ft

