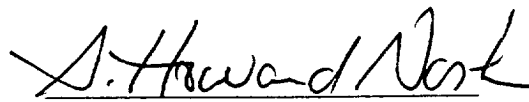


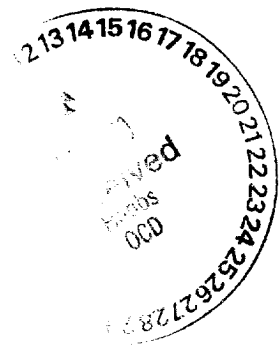
Deviation surveys taken on Texaco E&P Inc.'s Texmack 5 State Com #1 well
in Lea County, New Mexico:

Unit R 1980/s & 1500/E
5-165-32e
30-025-34723

<u>Depth</u>	<u>Degree</u>
209	.25
538	.25
1008	.25
1505	.25
1973	.25
2472	1.00
2943	.25
3250	.25
3732	.25
4201	.25
4500	.50
4976	.50
5445	.75
5915	.50
6415	.75
6886	.50
7141	.25
7641	.75
8141	.75
8363	1.25
8610	2.00
8738	2.00
8893	1.75
9208	1.25
9673	1.25
10,075	6.75
10,168	6.50
10,261	6.00
10,369	5.75
10,492	5.00
10,648	3.75
10,804	3.25
10,960	2.75
11,117	2.00
11,227	2.00
11,446	1.25
11,819	1.25
12,055	1.00
12,367	.75
12,850	.75
13,100	.75

I hereby certify that I have personal knowledge of the facts placed on
this sheet and that such information given above is true and complete.

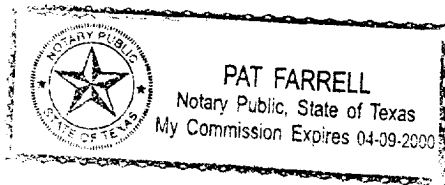

UTI Drilling



Before me, the undersigned authority, on this day personally appeared S. Howard Norton, known to me to be the person whose name is subscribed hereto, who, after being duly sworn, on oath states that he is the drilling contractor of the well identified in this instrument and that such well was not intentionally deviated from the vertical whatsoever.


S. Howard Norton

SWORN AND SUBSCRIBED TO before me this 30th day of March 2000.




Notary Public in and for
Lubbock County, Texas.

12 13 14 15 16 17 18

19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100



Lateral: 1		Proposed Direction: 0				Dog Leg Severity per: 100 feet		
Measured Depth	Inclination	Azimuth	True Vertical Depth	North/South Coordinate	East/West Coordinate	Vertical Section	Dog Leg Severity	Survey Tool
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
209	0.25	0.00	209.00	0.00	0.00	0.00	0.00	
246	0.50	0.00	246.00	1.07	0.00	1.07	0.20	TOTCO
538	0.25	0.00	538.00	1.44	0.00	1.44	0.00	
751	0.50	0.00	750.98	5.48	0.00	5.48	0.00	
1008	0.25	0.00	1007.99	3.49	0.00	3.49	0.00	
1230	1.00	0.00	1229.94	11.75	0.00	11.75	0.10	
1505	0.25	0.00	1504.99	5.65	0.00	5.65	0.00	
1903	1.00	0.00	1902.83	23.50	0.00	23.50	0.00	TOTCO
1973	0.25	0.00	1972.98	7.70	0.00	7.70	0.00	
2472	1.00	0.00	2471.95	13.14	0.00	13.14	0.15	
2943	1.00	0.00	2942.88	21.36	0.00	21.36	0.00	
3727	0.25	0.00	3726.83	29.91	0.00	29.91	0.10	
3750	0.25	0.00	3749.83	30.01	0.00	30.01	0.00	
4201	0.25	0.00	4200.82	31.98	0.00	31.98	0.00	
4976	0.50	0.00	4975.80	37.05	0.00	37.05	0.03	
5445	0.75	0.00	5444.78	42.17	0.00	42.17	0.05	
5915	0.50	0.00	5914.75	47.30	0.00	47.30	0.05	
6415	0.50	0.00	6414.73	51.66	0.00	51.66	0.00	
6886	0.50	0.00	6885.71	55.77	0.00	55.77	0.00	
7141	0.25	0.00	7140.70	57.44	0.00	57.44	0.10	
7641	0.75	0.00	7640.68	61.80	0.00	61.80	0.10	
8141	0.75	0.00	8140.64	68.35	0.00	68.35	0.00	
8363	1.25	0.00	8362.61	72.22	0.00	72.22	0.23	
8610	2.00	0.00	8609.51	79.22	0.00	79.22	0.30	
8738	2.00	0.00	8737.43	83.69	0.00	83.69	0.00	
8893	1.50	0.00	8892.36	88.42	0.00	88.42	0.32	
9208	1.75	0.00	9207.23	97.36	0.00	97.36	0.08	
9673	1.25	0.00	9672.07	109.53	0.00	109.53	0.11	
10075	6.75	0.00	10072.93	137.56	0.00	137.56	1.37	
10168	6.50	0.00	10165.31	148.29	0.00	148.29	0.27	
10170	1.25	0.00	10168.95	120.37	0.00	120.37	0.00	
10261	6.00	0.00	10257.76	158.42	0.00	158.42	0.54	
10369	5.75	0.00	10365.19	169.47	0.00	169.47	0.23	
10492	5.00	0.00	10487.65	180.99	0.00	180.99	0.61	
10606	0.25	0.00	10604.91	126.08	0.00	126.08	0.23	
10648	3.75	0.00	10643.19	192.89	0.00	192.89	0.80	
10804	3.25	0.00	10798.90	202.42	0.00	202.42	0.32	
10960	2.75	0.00	10954.69	210.58	0.00	210.58	0.32	
11076	0.25	0.00	11074.90	128.13	0.00	128.13	0.00	
11117	2.00	0.00	11111.55	217.09	0.00	217.09	0.48	
11227	2.00	0.00	11221.48	220.92	0.00	220.92	0.00	
11446	1.25	0.00	11440.40	227.14	0.00	227.14	0.34	
11819	1.25	0.00	11813.31	235.27	0.00	235.27	0.00	
12055	1.00	0.00	12049.26	239.91	0.00	239.91	0.11	
12367	0.75	0.00	12361.22	244.67	0.00	244.67	0.08	
12850	0.75	0.00	12844.18	250.99	0.00	250.99	0.00	
13100	0.75	0.00	13094.16	254.26	0.00	254.26	0.00	

