T.H.E. DIRECTIONAL DRILLING COMPANY

XTRA ENERGY CORP.
WELL# 34
ELEV. 58' K.B.
SURVEY BY EASTMAN
TYPE SINGLE SHOT LAMB. COORD. N 4 041 488 E 4 205 567
MAG. DEC. 14 DEGREES

DIST. CARSON
LEASE WILMINGTON
RADIUS OF CURVATURE
WELL COURSE - S 87 14' E

11/26/82

MEASURED DEPTH	DRIFT ANGLE	DRIFT DIRECTION	VERTICAL DEPTH	SECTION	LATITUDE FEET	DEPARTURE FEET	DOG LEG/100
2017	54 00	S 89 30 E	1751.75	764.63	21.64 S	764.48 E	1.09
2109	55 00	S 89 30 E	1805.18	839.47	22.29 S	839.37 E	1.09
2201	53 00	S 89 30 E	1859.25	913.83	22.94 S	913.79 E	2.17
2323	51 00	S 88 30 E	1934.36	1009.92	24.62 S	1009.91 E	1.76
2446	49 45	S 88 30 E	2012.80	1104.63	27.10 S	1104.61 E	1.02
2567	48 15	S 89 30 E	2092.18	1195.90	28.69 S	1195.91 E	1.39
2690	47 00	S 89 30 E	2175.08	1286.69	29.48 S	1286.77 E	1.02
2814	46 00	S 89 30 E	2260.43	1376.56	30.26 S	1376.71 E	.81
2842	45 00	S 88 30 E	2280.06	1396.53	30.61 S	1396.68 E	4.39
2872	45 00	S 87 30 E	2301.27	1417.74	31.35 S	1417.88 E	2.36
2902	45 00	S 86 00 E	2322.49	1438.95	32.55 S	1439.06 E	3.54
3028	45 15	S 85 00 E	2411.39	1528.20	39.56 S	1528.07 E	.60
3151	43 15	S 85 30 E	2499.49	1613.97	46.67 S	1613.60 E	1.65
3272	40 45	S 86 00 E	2589.40	1694.91	52.67 S	1694.34 E	2.08
3395	37 00	S 87 00 E	2685.14	1772.08	57.38 S	1771.38 E	3.09
3518	33 15	S 89 30 E	2785.73	1842.82	59.54 S	1842.10 E	3.26
3540	32 45	S 86 30 E	2804.18	1854.80	59.96 S	1854.07 E	7.77
3571	32 45	S 83 30 E	2830.25	1871.55	61.42 S	1870.77 E	5.24
3602	33 30	S 82 00 E	2856.21	1888.44	63.56 S	1887.57 E	3.58
3701	35 00	S 82 00 E	2938.04	1943.92	71.31 S	1942.74 E	1.52
3825	33 45	S 83 30 E	3040.38	2013.71	80.14 S	2012.19 E	1.22
3947	32 15	S 83 30 E	3142.70	2080.02	87.66 S	2078.21 E	1.23
4070	31 00	S 85 00 E	3247.43	2144.43	94.12 S	2142.38 E	1.20
4163	29 30	S 85 00 E	3327.76	2191.24	98.20 S	2189.05 E	1.61
4313	27 30	S 86 00 E	3459.58	2262.78	103.82 S	2260.40 E	1.37
4440	27 00	S 86 00 E	3572.49	2320.91	107.88 S	2318.41 E	.39
F @ 4446			3578	2323.64	108.07	2321.13	

"F" 4443 3575-58 = 3517 V.S.S. 5108 E 2319