E & B Natural Resources Management Corp.

T.E. DIRECTIONAL DRILLING COMPANY
DIST. CARSON
LEASE WILMINGTON
RADIUS OF CURVATURE

7/15/82

WELL# 28 037-22674
ELEV. 50' K.B.
SURVEY BY EASTMAN
TYPE SINGLE SHOT LAMB. COORD. N4041448 E4204640
MAG. DEC. 14 DEGREES WELL COURSE - N 16 41' W

MEASURED DEPTH	DRIFT ANGLE	DRIFT DIRECTION	VERTICAL DEPTH	SECTION	LATITUDE FEET	DEPARTURE FEET	DOG LEG/100
0	0 00	N 0 00 W	0.00	0.00	0.00 N	0.00 W	0.00
81	0 00	N 0 00 W	81.00	0.00	0.00 N	0.00 W	0.00
181	0 00	N 0 00 W	181.00	0.00	0.00 N	0.00 W	0.00
276	30	S 28 00 W	276.00	-.30	.37 S	.19 W	.53
375	1 00	S 59 00 W	374.99	-.94	1.30 S	1.07 W	.63
420	1 15	N 50 00 W	419.98	-.64	1.24 S	1.90 W	2.94
450	2 30	N 33 00 W	449.96	.24	.51 S	2.55 W	4.52
480	3 30	N 3 00 E	479.92	1.79	.98 N	2.95 W	6.94
510	5 00	N 20 00 W	509.84	3.97	3.16 N	3.28 W	7.47
540	5 45	N 11 00 W	539.71	6.78	5.87 N	4.03 W	3.75
570	7 00	N 12 00 W	569.52	10.09	9.13 N	4.69 W	4.18
600	8 15	N 16 00 W	599.26	14.07	12.99 N	5.65 W	4.52
633	7 15	N 16 00 W	631.95	18.52	17.27 N	6.88 W	3.03
663	7 45	N 14 00 W	661.70	22.43	21.05 N	7.89 W	1.88
695	9 00	N 17 00 W	693.36	27.09	25.54 N	9.14 W	4.14
726	10 00	N 18 00 W	723.93	32.21	30.42 N	10.68 W	3.27
757	11 15	N 16 00 W	754.40	37.92	35.89 N	12.35 W	4.20
819	13 15	N 12 30 W	814.98	51.07	48.64 N	15.59 W	3.44
849	14 45	N 11 00 W	844.09	58.30	55.75 N	17.07 W	5.14
881	16 00	N 11 30 W	874.95	66.75	64.07 N	18.73 W	3.93
911	16 45	N 14 30 W	903.73	75.19	72.31 N	20.63 W	3.77
941	17 00	N 18 30 W	932.44	83.90	80.66 N	23.10 W	3.96
1001	18 30	N 16 00 W	989.58	102.19	98.13 N	28.52 W	2.80
1062	19 30	N 12 00 W	1047.25	122.02	117.40 N	33.32 W	2.69
1124	21 30	N 11 00 W	1105.32	143.65	138.68 N	37.65 W	3.28
1153	21 15	N 5 30 W	1132.33	154.11	149.14 N	39.17 W	6.96
1183	21 45	N 7 00 W	1160.24	164.92	160.07 N	40.37 W	2.48