

*** G E O prati25 DIRECTIONAL WELL SURVEY ***

Vertical section calculated in plane of proposal
 Direction : N 35 W

** 1**

Date: 06/02/86

MEASURED DEPTH feet	DRIFT ANGLE deg. min		DRIFT DIRECTION deg	COURSE LENGTH feet	TRUE VERT. DEPTH feet	RECTANGULAR COORDINATES feet		SEC- TION feet	DOGLEG SEVERITY dg/100ft
0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
158	1	0	s 30w	158	157.99	1.19S	0.69W	-0.58	0.63
260	1	0	s 62w	102	259.98	2.43S	1.97W	-0.86	0.54
385	2	15	s 62w	125	384.93	4.09S	5.10W	-0.43	1.00
521	2	0	s 66w	136	520.83	6.31S	9.63W	0.36	0.21
614	2	15	s 71w	93	613.77	7.57S	12.84W	1.16	0.33
738	3	0	n 87w	124	737.64	8.36S	18.46W	3.74	1.00
816	3	15	n 70w	78	815.52	7.80S	22.68W	6.62	0.71
936	3	0	n 72w	120	935.35	6.11S	29.00W	11.63	0.34
1058	3	45	n 72w	122	1057.13	3.89S	35.83W	17.36	0.61
1170	4	15	n 66w	112	1168.86	1.09S	43.12W	23.84	0.58
1264	4	15	n 58w	94	1262.60	2.18N	49.27W	30.05	0.63
1357	4	30	n 67w	93	1355.33	5.45N	55.57W	36.34	0.78
1451	4	45	n 55w	94	1449.03	9.13N	62.20W	43.15	1.06
1544	4	45	n 56w	93	1541.71	13.49N	68.54W	50.37	0.09
1669	4	45	n 54w	125	1666.28	19.43N	77.02W	60.09	0.13
1792	5	15	n 54w	123	1788.81	25.73N	85.70W	70.23	0.41
1918	5	15	n 55w	126	1914.28	32.42N	95.08W	81.10	0.08
2042	6	0	n 62w	124	2037.68	38.77N	105.44W	92.24	0.82
2163	6	0	n 65w	121	2158.02	44.42N	116.76W	103.36	0.26
2291	7	15	n 71w	128	2285.17	49.95N	130.46W	115.74	1.12
2342	7	0	n 70w	51	2335.77	52.06N	136.42W	120.89	0.55
2454	7	45	n 67w	112	2446.85	57.33N	149.79W	132.88	0.75
2575	7	30	n 74w	121	2566.78	62.69N	164.93W	145.95	0.79
2668	7	45	n 70w	93	2658.95	66.50N	176.67W	155.81	0.63
2790	7	45	n 70w	122	2779.84	72.13N	192.12W	169.28	0.00
2913	8	15	n 76w	123	2901.64	77.13N	208.50W	182.77	0.79
3006	8	30	n 78w	93	2993.65	80.18N	221.69W	192.84	0.41
3129	8	30	n 77w	123	3115.30	84.12N	239.44W	206.24	0.12
3254	8	30	n 77w	125	3238.93	88.27N	257.45W	219.97	0.00
3376	8	30	n 78w	122	3359.59	92.18N	275.05W	233.27	0.12
3501	9	0	n 79w	125	3483.13	95.97N	293.68W	247.06	0.42
3625	9	0	n 81w	124	3605.61	99.34N	312.79W	260.78	0.25
3684	10	0	n 77w	59	3663.80	101.19N	322.35W	267.78	2.03
3716	10	0	n 71w	32	3695.31	102.73N	327.69W	272.10	3.25
3746	9	30	n 67w	30	3724.88	104.55N	332.43W	276.31	2.81
3776	9	45	n 63w	30	3754.45	106.67N	336.98W	280.66	2.38
3807	10	0	n 59w	31	3785.00	109.24N	341.63W	285.44	2.35
3837	10	15	n 55w	30	3814.53	112.12N	346.05W	290.33	2.49
3868	9	45	n 49w	31	3845.06	115.43N	350.29W	295.47	3.73

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MEASURED DEPTH feet	DRIFT ANGLE deg. min		DRIFT DIRECTION deg	COURSE LENGTH feet	TRUE VERT. DEPTH feet	RECTANGULAR COORDINATES feet		SEC-TION feet	DOGLEG SEVERITY dg/100ft
3899	9	0	n 45w	31	3875.64	118.87N	353.99W	300.41	3.20
3930	8	30	n 42w	31	3906.28	122.29N	357.23W	305.08	2.18
3960	8	15	n 39w	30	3935.96	125.62N	360.07W	309.43	1.68
3991	8	15	n 34w	31	3966.64	129.19N	362.72W	313.87	2.32
4021	8	30	n 32w	30	3996.32	132.86N	365.10W	318.24	1.28
4054	8	30	n 28w	33	4028.96	137.08N	367.53W	323.10	1.79
4086	7	45	n 26w	32	4060.64	141.11N	369.59W	327.58	2.50
4117	7	0	n 28w	31	4091.38	144.66N	371.39W	331.52	2.56
4149	8	0	n 27w	32	4123.11	148.36N	373.32W	335.66	3.15
4180	8	15	n 22w	31	4153.80	152.35N	375.14W	339.97	2.42
4303	8	15	n 16w	123	4275.52	169.04N	380.89W	356.93	0.70
4396	8	45	n 25w	93	4367.50	181.91N	385.70W	370.24	1.53
4502	8	45	n 21w	106	4472.27	196.76N	392.00W	386.01	0.57
4618	9	0	n 22w	116	4586.88	213.41N	398.56W	403.42	0.25
4753	9	0	n 24w	135	4720.22	232.85N	406.81W	424.07	0.23
4866	9	0	n 26w	113	4831.83	248.87N	414.28W	441.48	0.28
4992	9	15	n 29w	126	4956.23	266.59N	423.51W	461.29	0.43
5122	9	15	n 32w	130	5084.54	284.60N	434.11W	482.13	0.37
5245	9	30	n 31w	123	5205.90	301.68N	444.58W	502.12	0.24
5369	9	15	n 32w	124	5328.24	318.90N	455.14W	522.29	0.24
5523	9	0	n 33w	154	5480.29	339.50N	468.26W	546.69	0.19
5647	9	15	n 31w	124	5602.72	356.18N	478.68W	566.32	0.33
5857	10	0	n 32w	210	5809.77	386.12N	497.03W	601.37	0.37
6015	10	30	n 32w	158	5965.25	409.96N	511.92W	629.45	0.32
6173	11	30	n 34w	158	6120.34	435.24N	528.34W	659.58	0.68
6330	11	45	n 35w	157	6274.12	461.31N	546.26W	691.21	0.21
6488	12	45	n 37w	158	6428.53	488.44N	565.97W	724.73	0.69
6647	13	0	n 39w	159	6583.53	516.36N	587.78W	760.11	0.32
6807	13	0	n 40w	160	6739.43	544.13N	610.67W	795.99	0.14
6966	14	15	n 41w	159	6893.95	572.61N	635.00W	833.27	0.80
7092	15	0	n 40w	126	7015.87	596.80N	655.66W	864.94	0.63
7251	16	0	n 42w	159	7169.09	628.87N	683.54W	907.20	0.71
7404	16	45	n 40w	153	7315.88	661.42N	711.84W	950.10	0.61
7565	18	15	n 44w	161	7469.43	697.40N	744.23W	998.15	1.19
7723	19	15	n 45w	158	7619.04	733.62N	779.83W	1048.24	0.67
7878	19	0	n 44w	155	7765.49	769.85N	815.42W	1098.33	0.27
8035	20	0	n 47w	157	7913.48	806.58N	852.80W	1149.86	0.90
8098	20	0	n 46w	63	7972.68	821.41N	868.43W	1170.97	0.54
8257	21	0	n 45w	159	8121.61	860.44N	908.15W	1225.72	0.67
8414	21	45	n 43w	157	8267.82	901.60N	947.90W	1282.24	0.67

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MEASURED DEPTH feet	DRIFT ANGLE deg.min	DRIFT DIRECTION deg	COURSE LENGTH feet	TRUE VERT. DEPTH feet	RECTANGULAR COORDINATES feet	SEC- TION feet	DOGLEG SEVERITY dg/100ft
8567	22 15	n 42w	153	8409.68	943.86N 986.62W	1339.06	0.41
8758	22 30	n 42w	191	8586.30	997.89N 1035.27W	1411.23	0.13
8966	22 30	n 42w	208	8778.46	1057.04N 1088.53W	1490.23	0.00

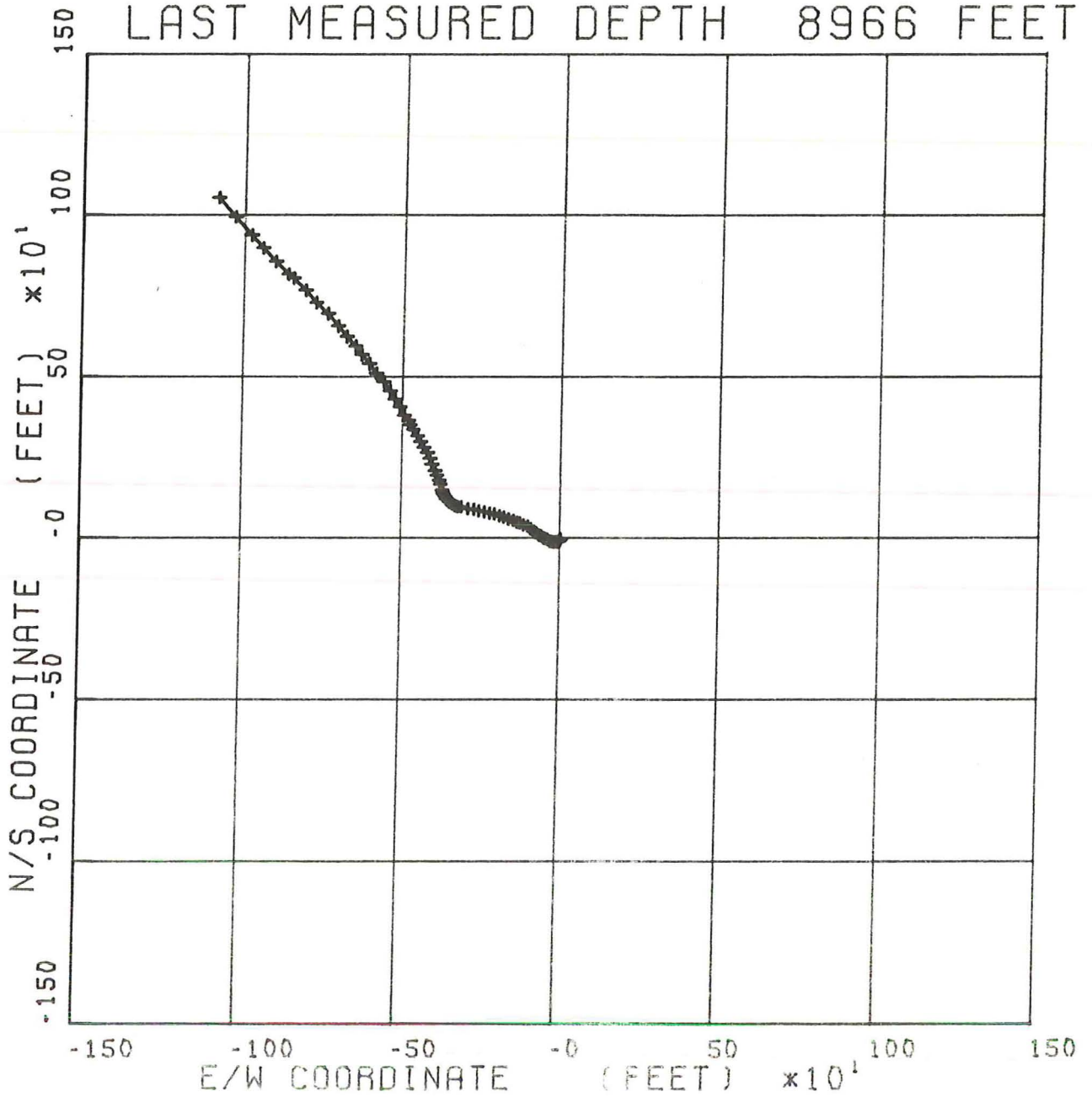
Closure distance : 1517.31 feet.
angle : N 45 deg 50 min W

**** E N D O F R E P O R T ****

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GEO PRATI 25 WELL COURSE

LAST MEASURED DEPTH 8966 FEET



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