

UNITED GEOCOM DRILLING SERVICES

Client : NEARBURG PULUCING COMPANY
 Well Name : HAGAMAN # 34
 Location : SEC 3 TWP 17S RGE 25E

Page : 1 of 2
 Date : 99/06/30
 File : 9286C

Vertical Section Calculated Along AZ 328.74°

MD ft	INC deg	DIR deg	TVD ft	LAT ft	DEP ft	VS ft	D'LEG °/100	BUILD °/100	TURN °/100
TIE-ON									
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
262.00	0.25	180.00	262.00	-0.57	-0.00	-0.49	0.10	0.10	-68.7
382.00	0.50	187.00	382.00	-1.35	-0.06	-1.12	0.21	0.21	5.8
907.00	0.75	245.00	906.97	-5.08	-3.46	-2.55	0.12	0.05	11.0
1231.00	0.75	225.00	1230.94	-7.47	-6.88	-2.82	0.08	0.00	-6.2
1677.00	0.25	200.00	1676.92	-10.45	-9.28	-4.12	0.12	-0.11	-5.6
1913.00	0.25	300.00	1912.92	-10.68	-9.90	-3.99	0.16	0.00	42.4
1961.00	0.40	306.50	1960.92	-10.53	-10.12	-3.75	0.32	0.31	13.5
2014.87	2.20	306.60	2014.78	-9.80	-11.10	-2.61	3.34	3.34	0.2
2110.87	4.40	321.50	2110.61	-5.82	-14.88	2.75	2.44	2.29	15.5
2205.89	4.60	340.10	2205.34	0.62	-18.44	10.10	1.54	0.21	19.6
2301.67	5.20	341.90	2300.77	8.35	-21.10	18.09	0.65	0.63	1.9
2397.30	7.20	340.00	2395.84	18.11	-24.49	28.19	2.10	2.09	-2.0
2492.87	8.30	336.70	2490.54	30.07	-29.27	40.89	1.24	1.15	-3.5
2586.91	9.60	334.40	2583.43	43.38	-35.34	55.42	1.43	1.38	-2.4
2681.86	11.70	332.70	2676.74	59.07	-43.18	72.91	2.24	2.21	-1.8
2775.63	13.90	334.50	2768.17	77.69	-52.39	93.60	2.38	2.35	1.9
2871.70	16.80	337.30	2860.81	100.92	-62.72	118.82	3.11	3.02	2.9
2966.48	18.60	333.10	2951.10	127.04	-74.85	147.44	2.33	1.90	-4.4
3061.50	19.30	332.50	3040.97	154.48	-88.95	178.21	0.76	0.74	-0.6
3181.00	19.75	329.00	3153.60	189.31	-108.47	218.11	1.05	0.38	-2.9
3275.00	19.25	329.00	3242.21	216.20	-124.63	249.49	0.53	-0.53	0.0
3370.00	18.25	328.00	3332.17	242.24	-140.58	280.02	1.11	-1.05	-1.1
3471.73	16.50	329.40	3429.25	268.19	-156.38	310.40	1.77	-1.72	1.4
3567.45	16.80	330.40	3520.96	291.92	-170.13	337.82	0.43	0.31	1.0
3663.10	16.90	331.00	3612.50	316.09	-183.70	365.53	0.21	0.10	0.6
3758.79	18.70	329.40	3703.61	341.46	-198.25	394.77	1.95	1.88	-1.7
3852.45	18.50	327.20	3792.38	366.88	-213.94	424.64	0.78	-0.21	-2.3
3948.53	18.10	330.10	3883.60	392.63	-229.64	454.79	1.04	-0.42	3.0
4043.11	18.20	333.30	3973.48	418.56	-243.60	484.21	1.06	0.11	3.4
4147.04	19.80	338.50	4071.75	449.44	-257.35	517.74	2.24	1.54	5.0
4243.22	19.80	339.10	4162.24	479.82	-269.13	549.82	0.21	0.00	0.6
4338.48	19.10	333.50	4252.07	508.84	-281.84	581.22	2.09	-0.73	-5.9
4400.81	18.90	332.40	4311.01	526.91	-291.07	601.46	0.66	-0.32	-1.8
4496.39	18.30	328.80	4401.60	553.47	-306.01	631.92	1.36	-0.63	-3.8