



## DIP LOG CALCULATIONS

COMPANY REICHHOLD ENERGY CORPORATION  
WELL HAMMERBERG NO. 1  
FIELD NEHALEM BASIN  
COUNTY COLUMBIA STATE OREGON

**WELEX**

A **Halliburton** Company

CORRELATION INTERVAL	CORR. GRADE	DIP ANGLE	DIP AZ.	DRIFT ANGLE	DRIFT AZ.	AZ. NO. 1	DIA 13	DISPLACEMENTS			
								NO. 1	NO. 2	NO. 3	
421.0	422.0	5	4.3	33	0.5	143	86	6.6	0.0	0.40	0.10
426.0	427.0	5	4	38	0.5	190	137	6.7	0.0	0.20	0.30
430.0	431.0	6	5	80	0.5	236	178	6.7	0.0	0.20	0.60
433.0	433.3	5	3	128	0.4	285	214	6.7	0.0	0.30	0.20
438.0	438.3	7	7	51	0.4	50	291	6.7	0.0	0.10	0.0
441.0	442.0	7	2	210	0.5	75	328	6.7	0.0	0.0	0.60
446.3	447.0	5	2	24	0.5	120	161	6.7	0.0	0.10	0.50
449.0	450.0	5	4	51	0.5	163	68	6.7	0.0	0.50	0.40
451.0	452.0	2	4	67	0.6	173	82	6.7	0.0	0.20	0.20
453.0	454.0	1	3	56	0.6	173	85	6.7	0.0	0.10	0.10
456.0	456.2	0	6	127	0.6	167	87	6.7	0.0	0.0	0.10
460.0	460.0	10	0	59	0.4	244	174	6.7	0.0	0.10	0.80
464.0	464.3	10	7	67	0.4	3	225	6.7	0.0	0.70	1.10
466.0	467.0	4	9	96	0.4	53	263	6.7	0.0	0.40	0.50
471.9	472.0	2	5	208	0.5	87	318	6.7	0.0	0.0	0.20
475.0	475.2	7	7	104	0.5	86	357	6.7	0.0	0.60	0.20
478.0	478.2	3	4	341	0.6	114	31	6.7	0.0	0.30	0.10
482.0	482.1	5	3	40	0.6	163	70	6.7	0.0	0.50	0.30
486.0	486.3	1	4	197	0.6	181	102	6.7	0.0	0.10	0.10
491.0	491.3	6	7	1	0.5	224	170	6.7	0.0	0.50	0.60
493.7	494.0	8	6	35	0.4	292	206	6.7	0.0	0.70	0.80
495.0	496.0	6	0	72	0.4	327	219	6.7	0.0	0.30	0.60
499.0	500.0	12	2	74	0.4	280	249	6.7	0.0	1.00	1.10
502.0	503.0	8	1	51	0.5	74	286	6.7	0.0	0.80	0.10
508.0	508.2	6	5	90	0.6	85	346	6.7	0.0	0.50	0.20
509.6	509.7	4	9	21	0.6	110	5	6.7	0.0	0.30	0.50
513.0	514.0	3	4	10	0.6	151	51	6.7	0.0	0.80	0.30
516.0	516.3	13	9	9	0.7	172	83	6.7	0.0	1.00	0.30
521.0	522.0	10	3	53	0.7	213	145	6.8	0.0	0.50	0.50
523.0	524.0	7	6	31	0.6	219	167	6.8	0.0	0.20	0.70
526.0	527.0	14	8	79	0.5	273	199	6.8	0.0	0.0	1.30
531.0	532.0	16	3	74	0.4	358	253	6.8	0.0	1.50	1.50
535.0	536.0	16	7	36	0.4	78	307	6.8	0.0	0.90	0.90
540.0	541.0	9	7	36	0.6	113	3	6.7	0.0	0.40	1.00
543.0	544.0	14	3	37	0.6	152	51	6.8	0.0	1.40	1.10
550.0	550.3	11	0	57	0.6	187	115	6.8	0.0	1.00	0.10
553.0	554.0	13	7	92	0.6	221	143	6.8	0.0	1.10	0.20
555.0	556.0	5	5	112	0.5	250	187	6.8	0.0	0.40	0.10
559.0	559.2	9	9	7	0.4	276	202	6.8	0.0	1.00	0.70
563.0	563.3	9	2	28	0.4	191	250	6.8	0.0	0.90	0.30
567.0	568.0	11	5	48	0.5	78	304	6.8	0.0	0.90	0.30
570.0	571.0	5	1	101	0.5	88	340	6.8	0.0	0.50	0.0
575.0	575.2	7	3	186	0.6	152	222	6.8	0.0	0.80	0.30
578.0	578.3	13	3	357	0.6	164	62	6.8	0.0	1.10	0.10
583.0	584.0	1	5	327	0.6	190	126	6.8	0.0	0.10	0.10
586.0	587.0	12	0	318	0.7	204	155	6.8	0.0	1.20	0.80
591.0	592.0	12	2	336	0.8	209	173	6.8	0.0	1.20	0.60
594.0	595.0	9	2	338	0.8	219	195	6.8	0.0	0.90	0.30
599.0	600.0	15	9	340	0.8	224	200	6.8	0.0	1.60	0.50
603.0	604.0	9	4	6	0.8	213	210	6.8	0.0	0.90	0.50
607.0	608.0	13	1	3	0.8	222	214	6.8	0.0	1.30	0.60
611.0	612.0	8	3	360	0.8	229	214	6.8	0.0	0.80	0.30
614.0	615.0	15	5	349	0.7	226	216	6.8	0.0	1.50	0.30
621.0	622.0	11	1	7	0.4	167	227	6.8	0.0	1.10	0.40
625.0	626.0	10	0	35	0.4	92	228	6.8	0.0	1.00	0.80

CORRELATION INTERVAL	CORR. GRADE	DIP ANGLE	DIP AZ.	DRFT ANGLE	DRFT AZ.	AZ. NO.1	DIA 13	DISPLACEMENTS NO.1 NO.2 NO.3			
631.0	632.0	B	1.5	293.	0.4	105.	296.	6.8	0.0	0.10	0.10
634.0	635.0	B	23.2	324.	0.4	119.	327.	6.8	0.0	2.20	2.10
637.0	638.0	B	29.9	356.	0.5	137.	348.	6.8	0.0	2.60	3.10
642.0	643.0	B	15.4	329.	0.7	167.	44.	6.8	0.0	1.10	-0.40
645.0	646.0	B	10.8	5.	0.8	179.	78.	6.8	0.0	1.10	-0.30
649.0	650.0	C	16.0	327.	0.8	202.	131.	6.9	0.0	-1.20	-1.60
654.0	655.0	B	9.8	344.	0.5	229.	185.	6.9	0.0	-1.00	-0.60
657.0	658.0	C	8.7	313.	0.4	277.	204.	6.9	0.0	-0.70	0.20
661.0	662.0	C	14.7	320.	0.3	299.	234.	6.9	0.0	-0.70	0.90
665.0	666.0	B	17.9	328.	0.3	65.	260.	6.9	0.0	-0.30	1.50
667.0	668.0	B	15.5	263.	0.3	68.	271.	6.9	0.0	1.50	1.30
670.0	671.0	C	18.1	329.	0.3	84.	288.	6.9	0.0	0.60	1.90
673.0	674.0	A	23.0	345.	0.4	104.	310.	6.9	0.0	1.00	2.50
677.0	678.0	B	21.6	22.	0.4	111.	326.	6.9	0.0	0.10	2.10
681.0	682.0	B	14.0	35.	0.4	100.	329.	6.9	0.0	-0.20	1.20
685.0	686.0	B	18.3	69.	0.4	119.	337.	6.9	0.0	-1.10	0.90
691.0	692.0	C	5.9	97.	0.3	148.	349.	6.9	0.0	-0.50	0.10
697.0	697.2	B	8.4	60.	0.3	108.	336.	6.9	0.0	-0.40	0.50
700.0	701.0	B	13.4	3.	0.3	127.	339.	6.9	0.0	0.80	1.40
703.0	703.1	B	13.0	88.	0.3	130.	338.	6.9	0.0	-1.10	0.20
706.0	706.3	A	17.9	104.	0.4	120.	330.	6.9	0.0	-1.90	-0.50
711.0	712.0	B	14.5	110.	0.5	119.	325.	6.9	0.0	-1.60	-0.70
713.0	713.3	B	11.2	60.	0.5	128.	331.	6.9	0.0	-0.70	0.50
718.0	719.0	B	8.6	61.	0.5	151.	338.	6.9	0.0	-0.40	0.50
724.0	725.0	B	16.0	102.	0.5	158.	337.	6.9	0.0	-1.60	-0.20
727.0	728.0	A	9.5	69.	0.5	164.	342.	6.9	0.0	-0.50	0.50
731.0	732.0	B	16.6	316.	0.6	160.	336.	6.9	0.0	1.70	1.10
735.0	736.0	A	12.9	66.	0.7	169.	352.	6.8	0.0	-0.40	0.90
741.0	742.0	B	5.2	55.	0.8	160.	353.	6.9	0.0	-0.10	0.40
745.0	745.2	C	5.2	357.	0.8	166.	359.	6.9	0.0	0.40	0.40
747.0	748.0	C	5.5	34.	0.8	164.	352.	6.9	0.0	0.10	0.50
753.0	754.0	B	5.4	121.	0.9	159.	358.	6.9	0.0	-0.60	-0.10
756.0	756.0	C	6.3	101.	0.9	155.	4.	6.9	0.0	-0.50	0.20
759.0	760.0	B	5.7	102.	1.0	169.	42.	6.9	0.0	-0.10	0.50
762.0	763.0	B	9.8	137.	1.0	180.	60.	6.9	0.0	-0.40	0.70
766.0	767.0	B	10.6	106.	1.1	175.	42.	6.9	0.0	-0.20	0.90
769.0	770.0	B	5.9	88.	1.1	172.	48.	6.9	0.0	0.10	0.60
771.0	772.0	A	10.5	77.	1.1	174.	56.	6.9	0.0	0.60	1.10
775.0	776.0	A	16.6	106.	1.2	177.	69.	6.9	0.0	0.60	1.80
777.0	778.0	B	13.2	140.	1.3	178.	76.	6.9	0.0	-0.20	1.20
781.0	781.3	B	6.5	156.	1.3	179.	78.	6.9	0.0	-0.30	0.50
783.0	784.0	B	13.1	48.	1.4	178.	86.	6.9	0.0	1.30	0.60
790.0	791.0	A	5.3	102.	1.5	179.	98.	6.9	0.0	0.40	0.60
795.0	796.0	A	7.7	243.	1.6	188.	96.	6.9	0.0	-0.90	-0.30
798.0	799.0	A	11.2	289.	1.6	184.	101.	6.9	0.0	-1.00	-1.00
801.0	802.0	B	9.1	241.	1.5	185.	125.	6.9	0.0	-0.80	0.20
802.0	803.0	B	12.6	36.	1.5	186.	130.	6.9	0.0	0.60	-0.60
807.0	807.2	D	12.3	296.	1.5	198.	147.	7.0	0.0	-1.30	-0.50
811.0	812.0	C	28.5	4.	1.5	204.	153.	7.0	0.0	-1.50	-3.10
814.0	815.0	C	38.2	32.	1.5	207.	154.	6.9	0.0	-0.10	-3.90
821.8	822.0	C	6.4	140.	1.5	204.	144.	6.9	0.0	0.60	0.70
825.0	826.0	D	12.8	176.	1.5	200.	142.	6.9	0.0	0.60	1.50
859.0	860.0	B	2.9	296.	0.8	203.	300.	6.9	0.0	0.30	0.20
861.0	862.0	B	5.5	349.	0.8	197.	309.	6.9	0.0	0.20	0.50
865.0	866.0	B	8.9	326.	0.8	187.	330.	6.9	0.0	0.80	0.70

CORRELATION INTERVAL	CORR. GRADE	DIP ANGLE	DIP AZ.	DRET ANGLE	DRET AZ.	AZ. NO.1	DIA 13	DISPLACEMENTS			
								NO.1	NO.2	NO.3	
871.0	871.5	B	2.2	292.	0.9	175.	358.	6.9	0.0	0.10	-0.10
875.0	876.0	B	16.3	31.	1.1	177.	6.	6.9	0.0	0.90	1.70
877.0	878.0	B	6.9	3.	1.1	183.	44.	6.9	0.0	0.60	0.20
881.6	882.0	B	4.5	3.	1.2	191.	51.	6.9	0.0	0.30	0.0
885.0	886.0	B	12.2	16.	1.1	189.	67.	6.9	0.0	1.10	0.20
889.0	890.0	B	5.1	358.	1.1	190.	102.	6.9	0.0	0.10	-0.30
891.0	892.0	B	9.9	77.	1.1	193.	113.	6.9	0.0	1.00	0.50
894.0	895.0	A	5.1	26.	1.2	198.	135.	7.0	0.0	0.10	-0.30
897.0	898.0	A	2.1	307.	1.2	203.	155.	7.0	0.0	-0.20	0.0
903.0	904.0	A	5.9	23.	1.2	211.	178.	7.0	0.0	-0.30	-0.50
906.5	907.0	A	9.1	87.	1.2	211.	181.	7.0	0.0	0.50	-0.40
909.0	909.3	A	5.9	30.	1.2	213.	186.	7.0	0.0	-0.30	-0.50
913.0	914.0	B	5.9	40.	1.2	214.	185.	7.0	0.0	-0.20	-0.50
915.0	914.0	A	9.2	1.	1.2	214.	184.	7.0	0.0	-0.80	-0.70
920.0	921.0	B	10.9	338.	1.2	213.	186.	7.0	0.0	-1.10	-0.50
923.0	924.0	B	14.1	5.	1.2	211.	191.	7.0	0.0	-1.30	-1.10
927.0	927.2	C	12.3	55.	1.2	206.	203.	7.0	0.0	-0.50	-1.20
931.0	932.0	A	13.3	19.	1.1	210.	241.	7.1	0.0	-1.30	-0.40
933.0	934.0	B	1.7	352.	1.1	209.	255.	7.1	0.0	0.0	0.10
935.0	936.0	A	1.1	267.	1.1	207.	267.	7.0	0.0	0.20	0.10
938.0	939.0	A	5.4	331.	1.1	201.	285.	7.0	0.0	0.20	0.50
943.0	943.3	A	2.5	315.	1.1	181.	321.	7.1	0.0	0.20	0.10
945.0	946.0	C	3.6	257.	1.1	171.	347.	7.2	0.0	0.10	-0.30
950.0	951.0	B	6.9	272.	1.2	180.	30.	7.2	0.0	-0.10	-0.70
953.0	950.0	B	3.5	247.	1.2	185.	53.	7.2	0.0	-0.40	-0.40
955.0	956.0	C	6.5	293.	1.3	170.	64.	7.2	0.0	-0.80	-0.20
959.0	960.0	C	22.3	81.	1.3	181.	85.	7.2	0.0	2.20	2.20
963.0	964.0	B	32.1	30.	1.3	172.	96.	7.2	0.0	3.10	-0.30
965.0	966.0	B	6.7	293.	1.3	183.	103.	7.2	0.0	-0.60	-0.60
969.0	970.0	B	5.6	335.	1.3	194.	122.	7.2	0.0	-0.30	-0.50
972.0	973.0	B	7.9	27.	1.4	193.	135.	7.2	0.0	0.20	-0.50
974.0	975.0	B	22.3	358.	1.5	193.	145.	7.3	0.0	-1.10	-2.40
981.0	982.0	C	24.1	280.	1.3	193.	205.	7.3	0.0	-0.60	2.10
984.0	986.0	D	17.6	323.	1.2	200.	263.	7.2	0.0	0.10	1.70
993.0	994.0	C	5.3	150.	1.1	189.	346.	6.8	0.0	-0.60	-0.50
996.0	997.0	D	13.6	108.	1.1	188.	5.	6.9	0.0	-1.10	0.30
999.8	1000.0	C	6.5	92.	1.1	181.	7.	7.0	0.0	-0.40	0.30
1001.0	1002.0	C	5.7	44.	1.1	181.	4.	7.1	0.0	0.10	0.50
1010.0	1010.4	C	5.9	73.	1.3	182.	317.	7.5	0.0	-0.60	-0.10
1021.0	1022.0	C	12.2	64.	1.4	198.	51.	7.1	0.0	0.80	1.20
1022.0	1023.0	C	7.1	121.	1.4	201.	50.	7.1	0.0	-0.30	0.50
1039.0	1040.0	D	14.3	136.	1.4	179.	6.	7.0	0.0	-1.60	-0.40
1042.3	1042.0	C	6.1	185.	1.4	188.	276.	7.0	0.0	0.40	-0.40
1047.0	1048.0	C	1.6	167.	1.4	199.	43.	7.0	0.0	-0.30	-0.10
1053.0	1054.0	D	3.2	203.	1.4	179.	16.	6.8	0.0	-0.40	-0.40
1065.0	1065.1	D	17.7	89.	1.3	190.	18.	6.8	0.0	-0.50	1.30
1086.0	1087.0	B	9.1	236.	1.7	201.	72.	6.9	0.0	-1.10	-0.70
1095.0	1096.0	D	3.8	130.	1.7	198.	113.	7.0	0.0	0.20	0.50
1103.0	1104.0	C	2.9	174.	1.8	211.	128.	6.8	0.0	0.0	0.40
1105.0	1106.0	C	6.4	354.	1.9	208.	126.	6.8	0.0	-0.20	-0.50
1111.0	1112.0	C	4.4	178.	1.9	203.	177.	6.8	0.0	0.50	0.60
1117.0	1118.0	B	5.1	119.	1.8	218.	189.	6.8	0.0	0.50	0.10
1119.0	1120.0	B	3.6	130.	1.8	224.	188.	6.8	0.0	0.40	0.20
1121.0	1122.0	D	4.3	73.	1.8	222.	172.	6.9	0.0	0.20	-0.10
1135.0	1136.0	D	2.9	112.	1.9	209.	147.	6.9	0.0	0.30	0.30

CORRELATION INTERVAL	CORR. GRADE	DIP ANGLE	DIP AZ.	DRET ANGLE	DRET AZ.	AZ. NO.1	DIA 13	DISPLACEMENTS NO.1 NO.2 NO.3			
1148.0	1150.0	0	3.1	238.	1.9	209.	144.	6.8	0.0	-0.20	0.30
1161.0	1162.0	0	2.4	258.	1.8	219.	196.	6.9	0.0	0.10	0.40
1162.0	1164.0	A	8.2	245.	1.7	220.	198.	6.9	0.0	0.30	1.00
1167.0	1168.0	B	15.1	306.	1.8	224.	187.	6.8	0.0	-1.30	0.20
1173.0	1174.0	B	9.0	243.	1.9	210.	151.	6.8	0.0	-0.50	0.60
1178.0	1179.0	B	0.5	119.	1.9	212.	167.	6.8	0.0	0.10	0.20
1185.0	1186.0	C	5.2	255.	1.8	217.	186.	6.8	0.0	0.0	0.60
1192.0	1193.0	B	13.0	124.	1.7	225.	196.	6.8	0.0	1.10	1.10
1199.0	1200.0	A	14.0	358.	1.7	217.	178.	6.8	0.0	-1.20	-1.10
1201.0	1202.0	A	0.9	281.	1.7	216.	178.	6.8	0.0	0.0	0.20
1206.0	1208.0	B	8.2	10.	1.7	216.	184.	6.8	0.0	-0.60	-0.60
1211.0	1212.0	C	11.3	123.	1.7	219.	182.	6.8	0.0	1.10	0.20
1219.0	1220.0	C	10.1	293.	1.8	213.	169.	6.8	0.0	-0.90	0.10
1221.0	1222.0	C	14.3	273.	1.7	216.	174.	6.8	0.0	-0.90	0.70
1224.0	1225.0	B	12.1	324.	1.7	212.	172.	6.8	0.0	-1.20	-0.50
1231.0	1232.0	D	9.2	11.	1.6	219.	186.	6.8	0.0	-0.70	-0.70
1235.0	1236.0	B	1.5	199.	1.5	218.	190.	6.9	0.0	0.20	0.30
1239.0	1240.0	C	3.9	158.	1.5	221.	198.	6.9	0.0	0.50	0.30
1247.0	1248.0	C	3.4	302.	1.3	224.	253.	6.9	0.0	0.20	0.40
1248.0	1249.0	B	12.0	152.	1.3	226.	261.	7.0	0.0	0.40	-0.90
1255.0	1256.0	D	15.7	88.	1.2	215.	306.	6.9	0.0	-1.60	-0.70
1262.0	1263.0	B	6.6	227.	1.1	223.	317.	6.8	0.0	0.40	-0.40
1278.0	1280.0	C	13.4	279.	1.1	228.	304.	6.9	0.0	1.50	0.80
1283.0	1284.0	D	10.1	309.	1.1	228.	298.	7.0	0.0	0.90	1.00
1293.0	1294.0	C	11.1	211.	1.0	216.	299.	7.0	0.0	0.70	-0.60
1307.0	1308.0	A	18.5	311.	0.9	197.	360.	6.8	0.0	1.80	0.30
1320.0	1322.0	C	4.4	139.	1.0	201.	53.	6.7	0.0	-0.30	0.20
1328.0	1330.0	C	3.0	178.	1.1	195.	49.	6.7	0.0	-0.40	-0.10
1334.0	1336.0	C	0.4	274.	1.0	194.	36.	6.6	0.0	-0.10	-0.10
1346.0	1348.0	B	14.2	113.	1.2	207.	162.	6.6	0.0	1.40	0.40
1352.0	1354.0	B	14.5	282.	1.0	194.	182.	6.7	0.0	-0.90	0.60
1356.0	1358.0	B	6.9	13.	0.9	207.	232.	6.7	0.0	-0.60	0.20
1364.0	1365.0	B	5.2	199.	0.9	222.	282.	6.7	0.0	0.40	0.20
1379.0	1380.0	B	27.4	250.	0.9	212.	283.	6.7	0.0	3.10	1.40
1385.0	1386.0	C	0.9	117.	0.8	214.	282.	6.7	0.0	0.0	0.10
1391.0	1392.0	C	2.2	198.	0.8	212.	281.	6.7	0.0	0.20	0.10
1411.0	1412.0	C	4.8	224.	1.2	185.	37.	6.6	0.0	-0.50	0.50
1419.0	1420.0	B	4.0	203.	1.3	208.	134.	6.6	0.0	-0.10	0.40
1434.0	1435.0	B	0.9	254.	1.2	226.	208.	6.6	0.0	0.10	0.20
1439.0	1440.0	D	14.9	238.	1.0	213.	259.	6.6	0.0	1.60	1.00
1450.0	1452.0	B	1.8	328.	1.2	185.	49.	6.7	0.0	0.0	0.10
1452.0	1454.0	B	5.5	336.	1.2	190.	88.	6.7	0.0	0.0	0.40
1454.5	1456.0	C	8.2	236.	1.3	198.	124.	6.7	0.0	-0.70	0.20
1456.0	1458.0	B	5.5	260.	1.3	204.	140.	6.7	0.0	-0.50	0.10
1460.3	1462.0	C	8.4	201.	1.3	213.	149.	6.7	0.0	0.10	0.90
1465.3	1466.0	B	3.0	312.	1.3	211.	148.	6.7	0.0	-0.30	0.10
1466.0	1468.0	B	3.0	157.	1.3	210.	143.	6.7	0.0	0.20	0.40
1468.0	1470.0	B	3.7	225.	1.3	209.	138.	6.7	0.0	0.20	0.30
1470.0	1472.0	C	9.5	193.	1.3	208.	140.	6.7	0.0	0.10	1.00
1472.3	1474.0	C	4.4	200.	1.3	208.	142.	6.7	0.0	0.0	0.50
1482.3	1482.6	C	5.6	240.	1.3	210.	140.	6.8	0.0	-0.40	0.30
1484.5	1485.3	C	5.1	262.	1.2	214.	153.	6.8	0.0	-0.40	0.20
1486.3	1488.0	C	8.6	242.	1.3	214.	149.	6.7	0.0	-0.50	0.50
1488.5	1490.0	C	3.9	171.	1.3	212.	145.	6.7	0.0	0.20	0.50
1492.5	1494.0	B	6.9	177.	1.2	225.	154.	6.8	0.0	0.40	0.80

CORRELATION INTERVAL	CORR. GRADE	DIP ANGLE	DIP AZ.	DRFT ANGLE	DRFT AZ.	AZ. NO. 1	DIA 13	DISPLACEMENTS			
								NO. 1	NO. 2	NO. 3	
1494.0	1496.2	B	5.0	134.	1.2	225.	159.	6.8	0.0	0.50	0.40
1498.2	1498.9	B	2.2	212.	1.2	226.	157.	6.7	0.0	0.0	0.30
1498.9	1501.0	B	2.9	233.	1.2	225.	157.	6.7	0.0	0.10	0.30
1501.0	1503.0	B	6.6	232.	1.2	219.	149.	6.7	0.0	0.30	0.50
1504.3	1506.0	C	5.2	335.	1.2	203.	144.	6.8	0.0	0.40	0.40
1508.0	1510.0	B	6.7	77.	1.2	216.	164.	6.9	0.0	0.40	0.20
1510.0	1512.0	B	4.1	334.	1.1	221.	149.	6.9	0.0	0.40	0.20
1512.0	1514.0	A	4.1	246.	1.1	219.	170.	6.9	0.0	0.10	0.40
1514.0	1516.0	C	2.9	214.	1.1	217.	169.	6.9	0.0	0.10	0.40
1516.0	1518.0	B	4.4	229.	1.1	220.	168.	6.9	0.0	0.0	0.50
1518.5	1520.0	C	3.8	69.	1.1	217.	160.	6.9	0.0	0.20	0.10
1523.5	1524.5	C	7.0	235.	1.1	223.	160.	6.8	0.0	0.20	0.60
1526.5	1528.0	B	7.7	257.	1.1	218.	159.	6.9	0.0	0.50	0.40
1528.0	1530.0	A	3.0	283.	1.1	220.	163.	6.9	0.0	0.30	0.10
1530.0	1532.0	B	4.8	192.	1.1	225.	168.	6.9	0.0	0.30	0.60
1532.0	1534.0	B	2.9	84.	1.1	225.	163.	6.9	0.0	0.20	0.0
1534.0	1536.0	B	4.0	233.	1.1	222.	160.	6.9	0.0	0.10	0.40
1536.0	1537.0	C	2.0	312.	1.1	221.	163.	6.9	0.0	0.20	0.0
1540.4	1541.5	C	5.8	33.	1.1	224.	174.	7.0	0.0	0.20	0.50
1542.5	1543.5	C	18.2	292.	1.1	226.	178.	7.0	0.0	1.60	0.30
1544.0	1546.0	B	13.5	281.	1.1	223.	177.	7.0	0.0	1.00	0.50
1546.0	1547.0	B	7.0	168.	1.1	223.	175.	6.9	0.0	0.70	0.70
1547.0	1548.3	B	5.6	143.	1.1	224.	173.	6.9	0.0	0.60	0.40
1552.0	1554.0	B	6.0	162.	1.1	226.	171.	7.0	0.0	0.60	0.60
1560.9	1563.3	C	11.6	248.	1.1	224.	169.	6.9	0.0	0.40	0.90
1564.3	1566.3	C	4.2	101.	1.1	219.	206.	6.9	0.0	0.20	0.20
1566.3	1568.0	B	6.0	216.	1.1	224.	225.	7.0	0.0	0.70	0.60
1568.0	1570.0	C	2.3	243.	1.0	226.	238.	7.0	0.0	0.30	0.30
1570.0	1572.0	B	4.4	171.	1.0	229.	252.	7.0	0.0	0.40	0.10
1572.0	1574.0	B	4.9	243.	0.9	237.	262.	7.0	0.0	0.60	0.40
1574.0	1576.0	B	8.1	177.	0.8	245.	269.	7.0	0.0	0.50	0.40
1580.0	1580.6	B	4.4	195.	0.8	248.	274.	7.1	0.0	0.40	0.10
1583.5	1583.9	C	5.3	195.	0.8	247.	281.	6.9	0.0	0.40	0.20
1584.9	1585.3	C	11.1	152.	0.6	246.	286.	6.9	0.0	0.20	1.10
1589.0	1590.3	C	8.5	306.	0.8	249.	296.	7.2	0.0	0.80	0.90
1592.5	1594.0	C	8.5	322.	0.8	249.	305.	7.1	0.0	0.70	0.90
1594.5	1596.3	C	19.7	196.	0.8	248.	308.	7.0	0.0	0.40	1.70
1601.3	1602.3	C	24.3	160.	0.8	252.	304.	7.0	0.0	1.00	2.70
1606.0	1608.0	C	4.5	200.	0.9	267.	294.	6.8	0.0	0.30	0.20
1608.0	1610.0	C	13.8	185.	0.9	279.	293.	6.8	0.0	0.40	1.00
1610.0	1612.0	C	10.7	223.	0.9	286.	297.	6.9	0.0	0.90	0.20
1612.0	1614.0	B	9.2	217.	0.9	290.	300.	7.1	0.0	0.70	0.30
1618.3	1620.0	C	7.9	138.	0.9	234.	311.	7.0	0.0	0.60	0.80
1633.0	1634.3	B	20.5	281.	1.0	249.	28.	6.8	0.0	0.50	1.70
1634.3	1636.0	C	7.1	255.	1.0	250.	29.	6.8	0.0	0.20	0.80
1640.0	1642.0	C	11.3	208.	1.0	279.	28.	6.8	0.0	1.00	1.10
1648.3	1650.0	D	40.2	42.	1.1	274.	26.	6.8	0.0	3.40	4.70
1650.0	1652.0	C	38.7	25.	1.1	276.	17.	6.8	0.0	3.70	4.30
1652.0	1654.0	B	38.4	26.	1.1	281.	16.	6.8	0.0	3.60	4.30
1655.5	1656.5	C	34.2	306.	1.1	292.	3.	6.8	0.0	3.70	0.20
1659.2	1660.2	C	8.9	82.	1.2	288.	349.	6.7	0.0	0.40	0.40
1664.5	1666.3	C	38.0	72.	1.2	259.	12.	6.6	0.0	0.0	3.70
1670.6	1671.5	C	31.5	69.	1.3	256.	92.	6.6	0.0	3.30	2.00
1672.3	1674.0	C	15.0	359.	1.4	256.	114.	6.6	0.0	0.0	1.30
1680.4	1682.3	C	10.8	17.	1.4	255.	131.	6.7	0.0	0.0	0.90

CORRELATION INTERVAL	CORR. GRADE	DIP ANGLE	DIP AZ.	DRFT ANGLE	DRFT AZ.	AZ. NO. 1	DIA 13	DISPLACEMENTS			
								NO. 1	NO. 2	NO. 3	
1684.5	1686.3	C	10.0	10	1.4	255.	120.	6.7	0.0	0.20	-0.70
1687.3	1688.5	B	18.7	343.	1.4	255.	129.	6.8	0.0	-1.00	-2.00
1688.5	1690.3	B	16.1	326.	1.4	254.	129.	6.9	0.0	-1.30	-1.70
1690.3	1692.3	B	23.6	334.	1.5	254.	126.	6.8	0.0	-1.50	-2.60
1700.5	1701.3	C	32.1	38.	1.5	251.	214.	6.7	0.0	-2.90	-3.10
1705.9	1706.5	C	10.8	160.	1.2	251.	248.	6.7	0.0	0.70	-0.40
1709.0	1710.0	C	20.3	40.	1.1	251.	287.	6.7	0.0	-1.60	0.30
1718.0	1718.7	C	23.0	322.	1.1	251.	350.	6.7	0.0	2.60	1.30
1730.0	1731.3	B	13.8	358.	1.1	235.	7.	6.7	0.0	1.30	1.00
1732.0	1733.5	C	11.0	338.	1.1	233.	6.	6.7	0.0	1.10	0.50
1738.3	1740.0	B	11.6	174.	1.1	223.	358.	6.7	0.0	-1.10	-1.10
1740.6	1742.3	B	2.8	221.	1.1	217.	10.	6.7	0.0	0.20	-0.40
1742.3	1742.6	B	5.8	229.	1.1	216.	13.	6.7	0.0	-0.30	-0.70
1745.5	1745.9	C	20.5	255.	1.1	217.	6.	6.7	0.0	0.30	-1.80
1748.5	1750.3	C	15.3	225.	1.1	219.	9.	6.7	0.0	-0.70	-1.70
1761.0	1762.0	B	9.2	187.	1.1	228.	355.	6.7	0.0	-0.70	1.00
1766.3	1768.0	C	16.3	103.	1.1	234.	346.	6.7	0.0	-1.40	0.0
1770.0	1772.0	C	15.0	250.	1.1	226.	355.	6.7	0.0	0.40	-1.20
1773.0	1774.5	C	10.7	54.	1.1	231.	1.	6.7	0.0	0.10	0.90
1774.5	1776.0	B	10.2	41.	1.1	232.	353.	6.8	0.0	0.20	0.90
1778.0	1780.0	C	23.8	117.	1.1	213.	355.	6.7	0.0	-2.30	-0.20
1782.0	1784.3	C	16.3	265.	1.1	221.	360.	6.8	0.0	0.70	-1.10
1784.3	1786.0	B	9.1	250.	1.1	216.	350.	6.7	0.0	0.30	-0.70
1786.3	1788.0	C	14.2	226.	1.1	213.	356.	6.7	0.0	-0.30	-1.50
1788.0	1790.0	B	16.7	228.	1.1	214.	360.	6.8	0.0	-0.40	-1.80
1793.9	1795.0	C	5.7	301.	1.2	221.	31.	6.7	0.0	0.20	-0.40
1796.0	1798.0	C	10.6	347.	1.3	219.	25.	6.8	0.0	1.00	0.30
1798.0	1800.0	C	14.6	342.	1.3	224.	26.	6.8	0.0	1.40	0.30
1800.6	1801.3	C	6.8	317.	1.4	223.	142.	6.9	0.0	-0.70	-0.50
1804.3	1806.0	C	10.2	167.	1.7	213.	49.	6.9	0.0	-1.10	-0.10
1811.3	1812.5	C	13.0	66.	1.9	228.	129.	6.7	0.0	1.00	0.0
1812.5	1814.3	B	3.1	205.	1.9	227.	130.	6.7	0.0	-0.20	0.30
1814.3	1816.3	B	4.1	102.	1.8	226.	129.	6.7	0.0	0.30	0.30
1816.3	1818.0	C	30.3	18.	1.8	226.	126.	6.7	0.0	0.60	-2.40
1818.3	1819.5	C	7.6	303.	1.8	227.	125.	6.7	0.0	-0.80	-0.60
1824.0	1826.0	C	12.8	168.	1.7	232.	171.	6.9	0.0	1.20	1.30
1828.3	1830.0	C	26.0	256.	1.6	240.	220.	6.9	0.0	1.30	3.10
1831.0	1832.3	C	24.5	266.	1.6	237.	231.	6.9	0.0	1.30	2.90
1838.0	1839.5	C	34.0	213.	1.4	243.	261.	6.8	0.0	4.00	1.00
1840.0	1842.3	C	36.6	213.	1.4	246.	242.	6.7	0.0	4.50	2.40
1847.5	1849.3	C	28.0	125.	1.7	243.	239.	6.7	0.0	0.50	-2.30
1855.5	1857.9	C	14.0	352.	1.5	244.	257.	6.7	0.0	-0.70	0.70
1862.3	1864.3	C	6.1	300.	1.7	253.	238.	6.8	0.0	0.10	0.70
1865.0	1865.3	D	5.8	355.	1.8	252.	218.	6.7	0.0	-0.50	0.0
1874.3	1876.0	C	16.9	330.	1.9	248.	211.	6.9	0.0	-1.50	0.20
1876.0	1876.5	C	13.0	335.	1.9	248.	216.	6.9	0.0	-1.10	0.20
1878.0	1878.7	B	15.6	332.	1.8	251.	230.	6.9	0.0	-1.00	0.70
1882.5	1884.0	C	14.5	21.	1.6	243.	213.	7.0	0.0	-1.40	-1.00
1884.5	1886.3	B	13.3	28.	1.5	248.	227.	7.0	0.0	-1.30	-0.80
1886.3	1888.0	C	16.7	34.	1.4	247.	226.	6.9	0.0	-1.60	-1.20
1888.0	1890.0	B	17.2	46.	1.4	245.	228.	6.8	0.0	-1.50	-1.40
1890.0	1891.5	B	14.1	7.	1.4	242.	234.	6.8	0.0	-1.30	-0.20
1897.3	1898.1	C	29.4	147.	1.3	235.	308.	7.0	0.0	-2.10	-3.40
1906.3	1908.3	C	3.4	355.	1.4	238.	290.	6.7	0.0	0.10	0.30
1908.3	1910.3	C	6.8	222.	1.4	231.	298.	6.7	0.0	0.60	-0.20

CORRELATION INTERVAL	CORR. GRADE	DIP ANGLE	DIP AZ.	DREFT ANGLE	DREFT AZ.	AZ. NO.1	DIA 13	DISPLACEMENTS			
								NO.1	NO.2	NO.3	
1910.3	1912.3	R	0.0	289.	1.4	231.	301.	6.8	0.0	0.90	0.60
1912.3	1914.3	C	13.8	317.	1.4	226.	300.	6.9	0.0	1.10	1.40
1915.5	1917.5	R	13.8	307.	1.4	223.	318.	6.7	0.0	1.40	1.00
1917.5	1919.3	R	13.0	288.	1.4	222.	318.	6.7	0.0	1.40	0.60
1919.3	1920.3	R	2.5	283.	1.3	226.	325.	6.7	0.0	0.30	0.0
1920.3	1922.0	R	7.2	289.	1.3	230.	320.	6.7	0.0	0.80	0.30
1922.0	1924.0	A	3.8	207.	1.3	234.	311.	6.7	0.0	0.20	0.30
1924.0	1926.0	B	4.1	194.	1.3	234.	313.	6.7	0.0	0.10	0.40
1926.0	1928.0	A	2.4	179.	1.3	231.	317.	6.7	0.0	0.0	0.30
1929.5	1930.1	C	5.5	345.	1.3	231.	321.	6.8	0.0	0.40	0.50
1930.6	1932.5	R	12.1	325.	1.3	234.	319.	6.8	0.0	1.10	1.10
1934.0	1936.0	B	7.5	188.	1.3	239.	309.	6.8	0.0	0.10	0.70
1936.0	1937.5	C	6.0	120.	1.3	238.	313.	6.9	0.0	0.50	0.50
1941.5	1942.5	C	1.6	155.	1.3	236.	310.	6.8	0.0	0.0	0.20
1942.5	1943.5	B	2.9	102.	1.3	236.	307.	6.8	0.0	0.20	0.20
1947.5	1948.5	R	5.6	207.	1.2	239.	298.	7.0	0.0	0.40	0.30
1948.5	1950.3	R	1.1	168.	1.2	238.	295.	7.0	0.0	0.10	0.10
1950.3	1952.5	R	2.5	193.	1.2	236.	296.	7.0	0.0	0.20	0.20
1952.5	1953.5	A	1.1	112.	1.2	236.	298.	6.9	0.0	0.0	0.10
1953.5	1956.0	R	5.6	59.	1.2	235.	301.	6.9	0.0	0.40	0.0
1956.5	1958.0	C	6.8	302.	1.2	233.	301.	6.8	0.0	0.70	0.60
1962.3	1964.3	B	16.2	85.	1.2	223.	318.	6.7	0.0	1.50	0.30
1964.3	1965.5	B	11.2	107.	1.2	223.	326.	6.7	0.0	1.10	0.50
1966.0	1968.0	R	6.0	141.	1.3	223.	324.	6.7	0.0	0.50	0.60
1968.5	1970.0	C	6.7	200.	1.3	222.	324.	6.7	0.0	0.0	0.70
1970.3	1972.0	C	8.9	222.	1.3	223.	332.	6.8	0.0	0.20	0.80
1972.6	1974.3	C	6.1	68.	1.3	227.	338.	6.8	0.0	0.30	0.20
1978.0	1980.0	C	14.1	211.	1.3	240.	345.	6.7	0.0	0.30	1.50
1984.3	1986.0	C	7.9	287.	1.2	255.	324.	6.7	0.0	0.90	0.30
1992.6	1993.3	D	30.0	91.	1.2	244.	305.	6.9	0.0	3.30	1.50
1998.3	1999.5	C	27.3	170.	1.2	250.	345.	6.7	0.0	2.40	2.80
2019.8	2020.6	R	47.2	119.	1.2	245.	329.	6.8	0.0	1.60	3.20
2024.0	2026.0	B	35.0	165.	1.2	245.	18.	6.7	0.0	4.10	2.00
2032.0	2034.5	C	52.8	176.	1.3	248.	20.	6.7	0.0	7.70	4.70
2038.3	2040.0	C	24.7	277.	1.5	248.	94.	6.7	0.0	2.40	2.50
2041.3	2042.3	B	24.4	352.	1.6	250.	107.	6.7	0.0	0.10	2.20
2046.3	2048.3	B	17.8	338.	1.7	254.	111.	6.9	0.0	0.60	1.90
2048.3	2050.0	R	21.7	13.	1.7	254.	135.	7.0	0.0	0.20	2.10
2050.0	2052.0	R	16.8	19.	1.7	253.	152.	7.1	0.0	0.50	1.70
2052.0	2054.0	R	14.5	35.	1.7	253.	147.	7.1	0.0	0.10	1.20
2054.5	2056.0	R	12.5	41.	1.7	253.	127.	7.1	0.0	0.60	0.60
2056.0	2058.0	R	7.3	49.	1.7	253.	122.	7.0	0.0	0.40	0.20
2058.0	2060.0	B	7.7	8.	1.8	253.	123.	7.0	0.0	0.10	0.70
2060.6	2062.0	R	11.7	23.	1.8	255.	121.	7.0	0.0	0.30	0.80
2066.0	2068.0	C	10.6	119.	1.8	256.	97.	7.0	0.0	0.50	1.00
2070.3	2072.3	C	5.6	37.	1.8	256.	83.	7.0	0.0	0.40	0.0
2074.5	2076.3	B	9.0	57.	1.7	256.	83.	7.1	0.0	0.80	0.40
2076.3	2078.3	R	7.3	94.	1.8	256.	81.	7.2	0.0	0.40	0.60
2078.3	2080.3	R	6.2	40.	1.8	257.	77.	7.2	0.0	0.50	0.10
2080.3	2082.0	R	7.2	37.	1.8	257.	77.	7.1	0.0	0.60	0.10
2082.0	2084.0	R	4.5	95.	1.8	257.	88.	7.0	0.0	0.20	0.30
2084.0	2086.0	R	5.7	71.	1.9	257.	98.	7.0	0.0	0.40	0.20
2086.0	2088.0	R	4.9	80.	1.9	258.	102.	6.8	0.0	0.30	0.20
2090.6	2092.0	A	8.8	81.	1.9	257.	118.	6.7	0.0	0.70	0.30
2092.0	2094.0	A	7.6	107.	2.0	256.	136.	6.7	0.0	0.60	0.40



CORRELATION INTERVAL	CORR. GRADE	DIP ANGLE	DIP AZ.	DRFT ANGLE	DRET AZ.	AZ. NO.1	DIA 13	DISPLACEMENTS			
								NO.1	NO.2	NO.3	
2094.0	2096.0	B	11.3	113.	2.0	257.	150.	6.7	0.0	1.00	0.50
2096.0	2098.0	A	11.1	124.	2.0	257.	157.	6.7	0.0	1.00	0.60
2098.0	2100.0	A	13.0	124.	2.0	258.	162.	6.7	0.0	1.20	0.60

THE FOLLOWING PARAMETERS APPLY TO THE LOG FROM 421.0 FEET TO 2100.0

MAGNETIC DECLINATION IS 20.5 DEGREES.

DRIFT AZIMUTH AND AZIMUTH OF NO. 1 ARM HAVE BEEN CORRECTED TO  
TRUE NORTH IN THIS PRESENTATION.

COORD. (T)	COORD. (T)	DIP	DIP	DIFT	DPFL	AZ.	DIP	DISPLACEMENTS			
INTERVAL	SCALE	ANGLE	AZ.	ANGLE	AZ.	FO.1	13	00.1	00.2	00.3	
2100.0	2102.0	5.2	125.	2.1	256.	162.	6.6	0.0	0.40	0.30	
2102.0	2104.0	5.5	113.	2.1	256.	162.	6.6	0.0	0.40	0.20	
2109.0	2109.5	10.7	110.	2.2	256.	168.	6.6	0.0	0.90	0.30	
2110.3	2111.3	9.5	110.	2.1	256.	166.	6.6	0.0	0.80	0.30	
2111.6	2112.0	10.1	134.	2.1	258.	165.	6.6	0.0	0.90	0.60	
2112.3	2113.1	10.2	150.	2.1	258.	168.	6.6	0.0	0.90	0.30	
2116.0	2116.3	13.7	217.	2.1	257.	183.	6.6	0.0	0.80	2.10	
2116.3	2117.5	15.0	217.	2.2	257.	184.	6.6	0.0	0.60	1.70	
2117.5	2118.3	12.1	104.	2.2	256.	187.	6.6	0.0	0.70	-0.30	
2118.3	2119.0	12.0	105.	2.2	256.	189.	6.6	0.0	0.70	-0.30	
2120.0	2120.3	17.7	100.	2.3	256.	195.	6.6	0.0	1.00	-0.60	
2122.0	2122.3	33.2	134.	2.3	255.	201.	6.6	0.0	3.00	-0.20	
2122.5	2124.3	37.3	134.	2.3	255.	203.	6.6	0.0	3.40	-0.40	
2128.3	2129.5	18.8	142.	2.3	256.	203.	6.6	0.0	1.70	0.20	
2130.0	2130.6	22.3	143.	2.3	256.	206.	6.6	0.0	2.00	0.10	
2133.0	2133.5	9.0	150.	2.4	257.	207.	6.6	0.0	0.90	0.40	
2133.9	2134.3	7.0	150.	2.4	257.	211.	6.6	0.0	0.70	0.30	
2138.3	2139.4	21.8	159.	2.3	256.	218.	6.6	0.0	2.10	0.30	
2140.3	2141.3	16.6	163.	2.3	257.	231.	6.7	0.0	1.50	0.0	
2141.6	2142.3	16.3	169.	2.3	257.	234.	6.7	0.0	1.80	0.70	
2142.5	2144.0	16.6	206.	2.3	257.	237.	6.7	0.0	1.90	1.10	
2144.0	2146.0	15.7	209.	2.4	257.	238.	6.7	0.0	1.80	1.10	
2146.0	2146.0	19.5	193.	2.4	257.	238.	6.8	0.0	2.20	0.80	
2148.3	2149.5	23.6	177.	2.5	257.	232.	6.8	0.0	2.50	0.50	
2159.0	2160.0	7.2	150.	2.6	257.	208.	6.7	0.0	0.70	0.30	
2160.0	2162.5	2.7	313.	2.9	257.	201.	6.7	0.0	-0.20	0.30	
2162.5	2164.0	6.9	93.	3.0	257.	180.	6.7	0.0	0.30	-0.10	
2168.3	2170.0	17.1	190.	2.8	254.	174.	6.6	0.0	0.50	1.20	
2171.3	2172.5	33.3	90.	2.6	254.	181.	6.6	0.0	2.10	-1.30	
2175.3	2176.5	16.8	347.	2.6	255.	192.	6.6	0.0	-1.10	-0.40	
2176.5	2177.3	9.6	5.	2.6	255.	195.	6.6	0.0	-0.90	-0.50	
2178.5	2179.3	3.1	40.	2.8	254.	197.	6.6	0.0	-0.10	-0.50	
2180.0	2182.0	10.4	66.	2.9	254.	191.	6.6	0.0	-0.10	-0.70	
2182.0	2183.5	7.6	19.	2.9	254.	187.	6.7	0.0	-0.60	-0.50	
2184.0	2186.0	7.2	19.	2.8	254.	196.	6.7	0.0	-0.60	-0.40	
2186.0	2188.0	10.5	55.	2.8	254.	204.	6.7	0.0	-0.50	-0.60	
2188.0	2190.0	6.1	14.	2.8	253.	216.	6.7	0.0	-0.50	-0.10	
2190.0	2192.0	7.5	23.	2.9	253.	223.	6.7	0.0	-0.60	-0.20	
2192.0	2194.0	8.5	45.	2.9	252.	232.	6.7	0.0	-0.60	-0.40	
2194.0	2196.5	9.3	50.	2.8	251.	250.	6.7	0.0	-0.70	-0.50	
2196.5	2198.0	11.7	62.	2.9	250.	246.	6.7	0.0	-1.10	-1.00	
2212.3	2212.7	42.5	4.	2.7	256.	237.	6.6	0.0	-0.60	-0.40	
2217.0	2217.3	15.9	0.	2.5	256.	244.	6.7	0.0	-1.30	0.10	
2219.7	2221.3	17.5	20.	2.5	256.	274.	6.7	0.0	-1.20	0.40	
2221.3	2222.5	23.5	57.	2.5	256.	280.	6.8	0.0	-2.20	-0.60	
2222.5	2224.5	21.6	59.	2.5	256.	281.	6.6	0.0	-2.00	-0.60	
2231.9	2232.5	19.5	139.	2.5	259.	266.	6.8	0.0	0.0	-1.70	
2232.5	2233.5	13.5	120.	2.6	260.	266.	6.8	0.0	-0.40	-1.70	
2233.5	2236.0	10.3	80.	2.5	261.	268.	6.8	0.0	-0.70	-0.70	
2236.0	2236.7	5.1	99.	2.4	261.	275.	6.8	0.0	-0.20	-0.30	
2241.3	2241.7	33.0	40.	2.5	260.	261.	6.8	0.0	-3.50	-1.40	
2245.7	2246.0	6.0	41.	2.4	259.	259.	6.8	0.0	-0.60	-0.10	
2248.3	2248.7	25.3	22.	2.4	257.	265.	6.8	0.0	-2.10	0.30	
2254.5	2255.3	8.3	49.	2.4	256.	271.	6.8	0.0	-0.60	-0.10	
2256.0	2258.3	17.1	171.	2.2	255.	292.	6.6	0.0	0.20	-1.50	

CORRELATION INTERVAL	CORR. GRADE	DIP ANGLE	DIP AZ.	DRIFT ANGLE	DRIFT AZ.	AZ. NO. 1	DIP 15	DISPLACEMENTS			
								NO. 1	NO. 2	NO. 3	
2262.0	2262.5	0	7.9	72.	2.2	251.	321.	6.8	0.0	-0.60	-0.20
2262.5	2264.3	0	7.0	15.	2.2	248.	339.	6.8	0.0	0.40	0.60
2264.3	2265.5	0	10.7	54.	2.3	243.	359.	6.8	0.0	0.15	0.80
2273.8	2274.0	0	15.9	45.	2.4	241.	68.	6.8	0.0	1.40	0.90
2277.5	2278.0	0	29.1	305.	2.5	235.	189.	6.8	0.0	-1.60	-3.40
2282.5	2283.0	0	25.5	309.	2.5	244.	131.	6.8	0.0	-2.70	-2.40
2285.5	2287.0	0	23.9	56.	2.6	248.	150.	6.8	0.0	1.00	-1.30
2287.0	2288.5	0	40.4	25.	2.6	248.	145.	6.8	0.0	-0.10	-4.10
2289.3	2291.3	0	17.2	10.	2.6	241.	146.	6.8	0.0	-0.50	-1.60
2292.3	2293.5	0	10.4	15.	2.5	243.	165.	6.8	0.0	-0.60	-0.90
2294.0	2295.5	0	20.2	333.	2.5	246.	177.	6.8	0.0	-2.20	-1.10
2295.0	2297.3	0	7.5	53.	2.5	248.	178.	6.8	0.0	-0.10	-0.50
2300.0	2301.3	0	10.6	72.	2.6	243.	182.	6.8	0.0	0.20	-4.60
2301.3	2302.5	0	9.4	78.	2.5	243.	188.	6.8	0.0	0.20	-0.50
2302.5	2304.0	0	9.4	70.	2.5	244.	188.	6.8	0.0	0.20	-0.50
2306.3	2307.3	0	35.9	24.	2.5	245.	203.	6.8	0.0	-3.50	-3.40
2309.7	2310.5	0	42.3	80.	2.4	247.	237.	6.8	0.0	-2.90	-3.90
2310.5	2311.5	0	46.9	105.	2.4	245.	252.	6.7	0.0	-2.50	-5.80
2325.5	2326.5	0	11.9	70.	2.3	247.	291.	6.8	0.0	-1.30	-0.50
2326.5	2328.0	0	11.1	71.	2.3	245.	294.	6.8	0.0	-0.90	-0.30
2328.0	2329.3	0	20.7	134.	2.3	247.	294.	6.8	0.0	-1.50	-2.60
2330.0	2332.3	0	20.9	29.	2.3	251.	282.	6.8	0.0	-1.40	0.60
2337.5	2338.5	0	15.6	30.	2.5	242.	286.	6.8	0.0	-0.90	0.50
2341.3	2342.5	0	14.1	221.	2.6	243.	291.	6.8	0.0	1.40	-0.20
2342.5	2343.5	0	7.4	77.	2.6	244.	288.	6.8	0.0	-0.50	-0.30
2343.5	2344.5	0	11.4	63.	2.6	244.	284.	6.8	0.0	-0.90	-0.30
2346.3	2346.8	0	5.9	57.	2.6	244.	292.	6.8	0.0	-0.30	0.0
2346.7	2349.1	0	1.5	109.	2.7	245.	303.	6.8	0.0	0.10	-0.10
2350.5	2351.6	0	22.0	220.	2.7	249.	306.	6.8	0.0	1.90	-1.77
2352.0	2353.3	0	32.9	25.	2.7	249.	301.	6.8	0.0	-1.30	2.20
2356.0	2356.5	0	7.3	84.	2.7	243.	299.	6.8	0.0	-0.50	-0.30
2360.0	2360.4	0	2.6	154.	2.9	245.	293.	6.8	0.0	0.20	-0.20
2360.4	2361.2	0	3.9	224.	2.9	245.	293.	6.8	0.0	0.60	0.0
2364.0	2365.3	0	17.1	35.	2.8	244.	295.	6.8	0.0	-0.40	0.40
2365.3	2366.1	0	5.3	82.	2.5	246.	295.	6.8	0.0	-0.30	-1.20
2366.1	2366.0	0	11.0	120.	2.6	246.	290.	6.8	0.0	-0.60	-1.00
2370.0	2371.5	0	21.1	124.	2.7	246.	289.	6.8	0.0	-1.30	-2.10
2372.0	2374.0	0	29.8	107.	2.7	245.	276.	6.8	0.0	-2.20	-3.00
2374.0	2376.0	0	30.8	109.	2.7	245.	268.	6.8	0.0	-2.20	-3.80
2376.3	2380.0	0	33.9	179.	2.6	243.	264.	6.8	0.0	2.60	-1.50
2381.0	2382.3	0	7.6	37.	2.7	239.	278.	6.8	0.0	-0.40	0.10
2384.0	2385.3	0	15.2	202.	2.8	238.	283.	6.8	0.0	1.30	-4.50
2386.0	2388.0	0	16.7	90.	2.9	239.	276.	6.8	0.0	-1.30	-1.30
2388.0	2389.3	0	16.9	44.	2.9	238.	272.	6.8	0.0	-1.60	-0.30
2390.3	2391.5	0	13.1	81.	2.9	239.	273.	6.9	0.0	-1.60	-1.90
2392.5	2394.3	0	22.1	81.	3.0	244.	250.	6.9	0.0	-1.50	-2.00
2396.5	2397.5	0	32.2	106.	3.0	243.	249.	6.9	0.0	-1.10	-3.40
2399.0	2399.9	0	22.9	47.	2.7	238.	259.	6.9	0.0	-2.20	-1.00
2400.3	2401.5	0	37.7	93.	2.6	231.	284.	6.9	0.0	-4.00	-3.40
2402.0	2403.5	0	35.7	92.	2.6	226.	312.	6.9	0.0	-4.00	-1.60
2404.5	2405.5	0	32.2	156.	2.6	229.	328.	6.9	0.0	-2.90	-3.70
2411.0	2412.5	0	26.1	162.	2.6	234.	347.	6.8	0.0	-2.60	-2.60
2412.5	2414.0	0	21.2	166.	2.5	232.	340.	6.8	0.0	-1.80	-2.30
2414.0	2415.0	0	19.9	141.	2.5	230.	336.	6.8	0.0	-2.00	-1.70
2416.7	2418.0	0	4.3	122.	2.6	227.	337.	6.8	0.0	-0.40	-0.40

CORRELATION INTERVAL	STID	CORN. ANGLE	DIF ANGLE	DRFT ANGLE	DRFT AZ.	AZ. NO.1	DIF 13	DISPLACEMENTS			
								NO.1	NO.2	NO.3	
2418.0	2419.3	B	8.7	158.	2.5	227.	336.	6.5	0.0	-0.70	-1.00
2419.3	2419.9	B	11.6	151.	2.5	227.	334.	6.8	0.0	-0.60	-1.40
2419.9	2421.0	B	15.6	195.	2.5	228.	332.	5.8	0.0	-0.40	-1.80
2421.0	2422.5	C	13.6	279.	2.5	229.	332.	6.3	0.0	1.40	0.0
2422.5	2423.5	C	1.8	133.	2.5	227.	330.	6.6	0.0	-0.10	-0.30
2423.5	2424.3	B	3.2	194.	2.6	225.	328.	5.8	0.0	0.0	-0.50
2424.3	2425.5	B	1.5	116.	2.6	226.	328.	6.8	0.0	-0.80	+0.60
2425.5	2426.3	A	4.6	120.	2.6	227.	326.	5.8	0.0	-0.40	-0.50
2426.3	2426.9	C	4.6	159.	2.5	229.	322.	6.3	0.0	-0.20	-0.60
2426.9	2430.0	C	30.6	221.	2.5	228.	316.	6.7	0.0	2.00	-2.50
2437.3	2438.7	C	34.1	6.	2.6	225.	298.	5.9	0.0	-0.90	2.70
2440.0	2440.4	C	6.9	90.	2.6	222.	319.	5.9	0.0	-0.60	-0.40
2442.0	2443.5	B	20.3	103.	2.6	227.	330.	6.8	0.0	-2.00	-0.70
2445.5	2446.3	C	5.6	51.	2.7	225.	316.	6.8	0.0	-0.20	0.10
2446.3	2447.5	C	17.6	84.	2.7	227.	313.	6.8	0.0	-1.60	-0.50
2448.0	2449.5	B	31.9	73.	2.7	229.	310.	6.8	0.0	-2.90	-0.30
2453.0	2454.0	A	8.0	163.	2.7	222.	331.	6.8	0.0	-0.40	-0.50
2458.2	2458.4	C	6.6	83.	2.8	216.	336.	6.8	0.0	-0.50	-0.10
2459.8	2460.0	B	5.6	95.	2.8	216.	329.	6.9	0.0	-0.50	-0.30
2462.0	2462.7	C	4.2	7.	2.8	216.	331.	6.9	0.0	0.20	0.20
2466.0	2466.5	B	5.5	97.	2.8	217.	345.	6.9	0.0	-0.50	-0.20
2466.5	2466.8	A	5.1	87.	2.8	217.	346.	6.9	0.0	-0.40	-0.10
2469.0	2469.5	C	12.3	80.	2.8	216.	346.	6.8	0.0	-0.80	0.30
2470.0	2470.3	C	8.5	54.	2.8	215.	345.	6.8	0.0	-0.20	0.40
2473.0	2473.3	B	12.9	94.	3.0	215.	352.	6.8	0.0	-1.00	0.10
2475.0	2475.3	C	6.2	64.	3.0	214.	357.	6.8	0.0	-0.20	0.20
2476.0	2476.3	C	4.0	279.	3.1	215.	357.	6.8	0.0	0.30	-0.50
2479.0	2480.0	C	5.0	100.	3.1	216.	358.	5.8	0.0	-0.50	-0.20
2483.0	2484.0	C	7.3	313.	3.0	217.	347.	6.8	0.0	0.70	0.10
2489.6	2490.0	C	4.1	142.	2.9	217.	352.	6.5	0.0	-0.50	-0.50
2491.6	2492.0	C	5.8	35.	2.8	217.	353.	6.8	0.0	0.10	0.30
2493.8	2494.0	B	7.3	87.	2.9	217.	9.	6.8	0.0	-0.40	0.20
2498.0	2499.0	B	12.0	69.	3.0	217.	349.	6.6	0.0	-0.50	0.50
2501.0	2501.3	A	9.2	51.	3.1	217.	350.	6.8	0.0	-0.10	0.50
2503.7	2504.0	B	27.5	89.	3.1	217.	341.	6.8	0.0	-2.30	0.30
2505.7	2506.0	C	14.9	91.	3.1	217.	334.	6.8	0.0	-1.30	-0.20
2507.7	2508.0	B	17.3	54.	3.2	217.	326.	5.8	0.0	-1.80	0.70
2508.4	2509.2	B	15.8	45.	3.3	217.	325.	5.8	0.0	-0.50	0.60
2510.0	2510.5	B	15.6	45.	3.3	217.	325.	5.9	0.0	-0.50	0.60
2512.0	2512.4	B	11.8	62.	3.5	217.	331.	6.9	0.0	-0.60	0.30
2514.0	2514.3	A	8.8	70.	3.5	218.	337.	6.9	0.0	-0.50	0.10
2517.0	2518.0	C	3.0	134.	3.5	218.	337.	5.9	0.0	-0.30	-0.50
2518.0	2518.3	B	9.3	83.	3.5	218.	336.	6.8	0.0	-0.70	-0.10
2519.0	2520.0	A	12.1	170.	3.3	218.	341.	6.8	0.0	-1.60	-1.50
2521.0	2522.0	B	9.5	260.	2.9	218.	342.	6.8	0.0	0.70	-0.50
2524.0	2525.0	A	25.6	77.	2.8	218.	330.	6.5	0.0	-2.10	0.40
2529.6	2530.0	C	19.6	135.	2.9	217.	307.	6.8	0.0	-1.50	-2.10
2531.0	2532.0	C	45.1	46.	3.0	218.	300.	6.8	0.0	-3.90	1.20
2533.0	2534.0	C	47.3	39.	3.1	218.	298.	6.5	0.0	-3.80	1.60
2535.0	2536.0	C	43.8	27.	3.3	219.	286.	6.8	0.0	-4.10	2.00
2539.0	2540.0	C	47.4	349.	3.4	220.	245.	6.8	0.0	-4.00	1.80
2543.0	2544.0	C	44.4	12.	3.0	221.	250.	6.8	0.0	-4.60	-0.10
2547.0	2548.0	C	29.8	31.	3.1	219.	265.	6.8	0.0	-2.70	-0.30
2549.0	2550.0	C	23.4	21.	3.0	219.	254.	6.8	0.0	-2.00	-0.20
2553.0	2554.0	C	25.9	10.	3.1	218.	237.	6.8	0.0	-2.50	-0.50

CORRELATION INTERVAL	CIRCL SPACE	CIR ANGLE	CIR AZ.	DRFT ANGLE	DRFT AZ.	AZ, D.1	D13	DISPLACEMENTS		
								D.1	D.2	D.3
2554.0	2555.0	27.7	20.	3.1	218.	238.	6.8	0.0	-2.90	-1.00
2555.7	2556.0	34.8	357.	3.1	218.	236.	6.8	0.0	-3.20	0.10
2556.0	2557.0	18.4	17.	3.1	218.	236.	6.8	0.0	-1.50	-0.50
2558.0	2559.0	37.9	5.	3.0	218.	237.	6.8	0.0	-2.90	-0.30
2561.0	2562.0	27.1	58.	3.0	218.	237.	6.8	0.0	-2.20	-2.40
2565.0	2566.0	21.7	323.	3.0	218.	241.	6.8	0.0	-0.60	1.60
2569.0	2570.0	28.6	338.	3.0	217.	233.	6.8	0.0	-1.90	1.10
2571.0	2572.0	26.1	350.	3.9	216.	232.	6.8	0.0	-2.30	-0.10
2573.0	2574.0	39.3	355.	3.0	215.	237.	6.8	0.0	-3.80	0.20
2574.0	2575.0	32.4	358.	3.0	215.	238.	6.8	0.0	-2.80	0.30
2577.0	2578.0	21.0	351.	3.0	215.	228.	6.8	0.0	-1.70	0.10
2578.0	2579.0	19.5	48.	3.1	215.	228.	6.8	0.0	-1.80	-1.60
2580.0	2581.0	36.1	31.	3.1	215.	222.	6.8	0.0	-3.60	-2.90
2581.7	2582.0	30.6	325.	3.2	215.	217.	6.8	0.0	-2.70	1.10
2583.0	2584.0	35.3	323.	3.2	215.	217.	6.8	0.0	-2.80	1.30
2584.0	2584.3	34.0	51.	3.2	215.	218.	6.8	0.0	-2.50	-3.40
2587.0	2588.0	32.8	58.	3.3	216.	219.	6.8	0.0	-2.20	-3.30
2589.5	2590.0	19.9	316.	3.3	215.	219.	6.8	0.0	-0.40	0.70
2593.0	2594.0	11.9	281.	3.3	214.	229.	6.8	0.0	0.50	1.40
2594.0	2594.3	14.9	288.	3.3	214.	228.	6.8	0.0	0.30	1.60
2599.0	2599.3	15.3	272.	3.0	213.	217.	6.7	0.0	0.40	1.70
2601.0	2602.0	24.5	284.	2.9	213.	223.	6.7	0.0	0.20	2.50
2607.0	2608.0	5.5	238.	3.1	213.	235.	6.8	0.0	0.80	0.70
2609.0	2610.0	13.5	238.	3.2	213.	227.	6.8	0.0	1.40	1.60
2611.0	2612.0	26.8	149.	3.4	213.	221.	6.8	0.0	2.60	-0.30
2614.0	2614.3	30.1	150.	3.6	213.	208.	6.8	0.0	3.40	0.50
2617.0	2618.0	26.2	83.	3.8	213.	185.	6.8	0.0	1.10	-1.50
2618.0	2619.0	21.4	61.	3.8	213.	189.	6.8	0.0	0.70	-1.30
2621.0	2622.0	26.6	56.	3.7	214.	213.	6.8	0.0	-1.30	-2.40
2625.0	2626.0	28.5	114.	3.6	213.	207.	6.9	0.0	1.80	-1.40
2629.0	2630.0	31.6	82.	3.2	212.	205.	6.9	0.0	0.10	-2.90
2630.0	2632.0	40.3	107.	3.2	212.	206.	6.9	0.0	2.10	-2.90
2634.0	2635.0	30.5	62.	3.1	212.	206.	6.8	0.0	0.4	-3.90
2639.0	2640.0	27.5	94.	3.1	212.	216.	6.8	0.0	0.20	-2.40
2641.0	2642.0	36.6	114.	3.2	212.	216.	6.8	0.0	1.70	-2.80
2643.0	2644.0	36.5	346.	3.3	211.	222.	6.7	0.0	-3.50	-1.20
2649.0	2650.0	17.9	37.	3.4	210.	238.	6.6	0.0	-1.50	-1.00
2650.0	2651.0	22.6	71.	3.4	210.	241.	6.8	0.0	-1.50	-2.10
2653.0	2654.0	26.7	46.	3.6	210.	242.	6.8	0.0	-2.40	-1.90
2658.0	2659.0	27.3	122.	3.9	209.	239.	6.7	0.0	0.60	-2.30
2662.0	2663.0	31.5	86.	3.5	207.	232.	6.6	0.0	-1.50	-4.70
2665.0	2666.0	21.4	123.	3.3	207.	239.	6.6	0.0	0.50	-1.70
2669.0	2670.0	25.6	124.	3.2	208.	257.	6.7	0.0	-0.30	-2.60
2679.0	2679.2	19.2	37.	3.3	207.	234.	6.7	0.0	-1.90	-1.20
2682.0	2683.0	21.0	30.	3.4	207.	216.	6.7	0.0	-1.50	-1.60
2684.0	2686.0	15.6	0.	3.3	207.	212.	6.7	0.0	-1.30	-0.50
2686.0	2687.0	25.5	50.	3.3	207.	214.	6.8	0.0	-1.60	-2.40
2691.0	2692.0	19.9	64.	3.2	208.	220.	6.8	0.0	-0.60	-1.30
2693.0	2694.0	11.8	11.	3.2	209.	226.	6.8	0.0	-0.90	-0.50
2695.0	2696.0	24.5	17.	3.2	209.	227.	6.8	0.0	-2.30	-1.10
2697.0	2698.0	33.5	3.	3.3	209.	214.	6.7	0.0	-3.70	-1.70
2698.0	2700.0	33.7	358.	3.3	209.	194.	6.7	0.0	-3.40	-2.30
2701.0	2702.0	32.3	2.	3.5	208.	176.	6.7	0.0	-2.70	-2.90
2705.0	2706.0	30.3	16.	3.7	206.	160.	6.7	0.0	-1.20	-2.90
2707.0	2708.0	27.2	359.	3.8	205.	138.	6.7	0.0	-1.30	-2.60

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2709.0	2710.0	58.2	19.	3.9	204.	119.	6.7	0.0	0.20	-3.10
2711.0	2712.0	22.8	19.	3.9	204.	121.	6.7	0.0	1.60	-1.30
2714.0	2715.0	17.4	14.	3.9	203.	140.	6.7	0.0	-0.20	-1.30
2717.0	2718.0	23.8	102.	3.8	202.	135.	6.7	0.0	2.50	1.50
2720.0	2722.0	9.7	160.	3.7	201.	130.	6.7	0.0	-1.50	1.30
2726.0	2728.0	33.1	109.	3.3	197.	76.	6.7	0.0	1.50	3.80
2732.0	2734.0	17.2	157.	3.4	191.	66.	6.7	0.0	-1.20	0.80
2737.0	2738.0	26.7	170.	3.3	189.	66.	6.7	0.0	-2.40	0.80
2742.0	2744.0	30.8	192.	3.4	191.	66.	6.7	0.0	-3.50	-0.30
2749.0	2750.0	10.4	209.	3.2	195.	56.	6.7	0.0	-1.40	-0.70
2753.0	2754.0	20.2	204.	3.5	196.	78.	6.7	0.0	-3.00	-0.30
2758.0	2758.0	21.9	219.	3.5	195.	84.	6.7	0.0	-2.60	-0.60
2759.0	2760.0	43.0	160.	3.4	194.	82.	6.7	0.0	-2.10	3.60
2765.0	2766.0	3.0	293.	3.5	191.	131.	6.7	0.0	-0.30	0.10
2770.0	2772.0	12.5	190.	3.8	192.	121.	6.7	0.0	-0.30	1.30
2775.0	2776.0	9.1	161.	3.6	193.	119.	6.7	0.0	0.0	1.10
2779.0	2780.0	7.4	62.	3.5	193.	119.	6.7	0.0	0.60	0.30
2783.0	2784.0	5.3	167.	3.5	193.	111.	6.7	0.0	-0.10	0.70
2786.0	2787.0	1.6	0.	3.5	193.	113.	6.7	0.0	-0.10	0.10
2790.0	2791.0	3.0	172.	3.4	192.	114.	6.7	0.0	-0.10	0.50
2793.0	2794.0	3.5	31.	3.3	192.	104.	6.7	0.0	0.10	0.10
2797.0	2798.0	7.1	53.	3.2	191.	89.	6.7	0.0	0.50	0.40
2800.0	2802.0	6.8	323.	3.1	191.	68.	6.7	0.0	-0.10	-0.50
2806.0	2807.0	2.0	167.	3.1	192.	39.	6.7	0.0	-0.30	-0.20
2809.0	2810.0	3.7	319.	3.1	192.	45.	6.6	0.0	-0.10	-0.30
2813.0	2814.0	6.5	329.	3.2	192.	62.	6.6	0.0	0.0	-0.40
2819.0	2820.0	10.0	11.	3.0	192.	32.	6.6	0.0	1.10	0.70
2821.0	2822.0	0.2	344.	3.1	192.	29.	6.6	0.0	-1.10	-1.10
2824.0	2825.0	10.7	309.	3.0	191.	27.	6.6	0.0	1.70	-1.50
2827.0	2828.0	33.9	167.	2.7	191.	24.	6.6	0.0	-4.20	-1.80
2831.0	2832.0	27.1	51.	3.0	192.	246.	6.6	0.0	-2.50	-2.00
2832.0	2834.0	22.8	343.	2.9	193.	17.	6.6	0.0	2.10	0.80

THE FOLLOWING PARAMETERS APPLY TO THE LOG FROM 2100.0 FEET TO 2839.0

MAGNETIC DECLINATION IS 20.5 DEGREES.

DIP AZIMUTH AND AZIMUTH OF 10.1 ARE HAVE BEEN CORRECTED TO  
TRUE NORTH IN THIS PRESENTATION.