

TOOT-A-CHLOR CHLORIDE ANALYSIS

BY: DR. CHARLES H. TOOTLE, P. E.

DATE: JANUARY 7, 1992

©

7
 PERMIT 714; PHILLIPS PETROLEUM COMPANY; NO. 1 ST. JOE A; WILDCAT; NE/4 SECTION 1
 4, T2S, R1E; NE LEON COUNTY; FLORIDA.

DEPTH (FT.)	LOG RESISTIVITY (ILD)	POROSITY (FRAC.)	TEMP (F.)	WATER RESISTIVITY (OHMS)	CHLORIDES (PPM)	WATER QUALITY (COLOR)
100	50	.5	81	12.5	360.1349	BLUE
150	110	.5	81.5	27.5	156.1724	BLUE
200	47	.5	82	11.75	379.2738	BLUE
250	100	.33	82.5	10.89	408.1316	BLUE
300	60	.33	83	6.534001	693.714	GREEN
350	20	.5	83.5	5	913.1139	GREEN
400	22	.33	84	2.3958	2032.031	YELLOW
450	20	.45	84.5	4.05	1124.969	GREEN
500	20	.5	85	5	895.7044	GREEN
550	16	.39	85.5	2.4336	1961.29	GREEN
600	16	.18	86	.5184	9873.098	RED
650	40	.07	86.5	.196	27465.51	RED
700	14	.24	87	.8064	6133.861	RED
750	5.5	.08	87.5	.0352	194942	RED
800	4	.41	88	.6724	7331.789	RED
650	3	.26	86.5	.2028	26266.61	RED
900	1.7	.33	89	.18513	28379.74	RED
950	1.7	.39	89.5	.25857	19624.61	RED
1000	1.2	.36	90	.15552	34228.85	RED
1050	1	.37	90.5	.1369	39378.47	RED
1100	1	.33	91	.1089	50896.83	RED
1150	.91	.35	91.5	.111475	49236.5	RED
1200	.91	.35	92	.111475	48928.43	RED
1250	.91	.4	92.5	.1456	35774.88	RED
1300	.91	.35	93	.111475	48322.99	RED
1350	1	.35	93.5	.1225	43093.07	RED
1400	1.1	.33	94	.11979	43944.36	RED
1450	1.1	.32	94.5	.11264	46877.23	RED
1500	.81	.33	95	8.820901E-02	61706.12	RED
1550	1.2	.3	95.5	.108	48605.84	RED
1600	1	.3	96	9.000001E-02	59574.44	RED
1650	1.7	.27	96.5	.12393	41003.29	RED
1700	2.1	.17	97	.06069	92578.42	RED
1750	.81	.26	97.5	.054756	103581.9	RED
1800	1.5	.27	98	.10935	46511.8	RED
1850	1.3	.27	98.5	.09477	54504.11	RED

1900	1.3	.26	99	8.787999E-02	59096.67	RED
1950	.91	.3	99.5	8.190001E-02	63710.6	RED
2000	.95	.37	100	.130055	37232.64	RED
2050	1.1	.3	100.5	9.900001E-02	50650.35	RED
2100	.91	.3	101	8.190001E-02	62621.9	RED
2150	1	.3	101.5	9.000001E-02	55871.76	RED
2200	.85	.3	102	7.650001E-02	66963.18	RED
2250	.81	.3	102.5	7.290001E-02	70379.1	RED
2300	1.5	.17	103	4.335001E-02	127173.6	RED
2350	1.5	.18	103.5	4.860001E-02	110898.8	RED
2400	.75	.27	104	5.467501E-02	96324.96	RED
2450	1.1	.32	104.5	.11264	41749	RED
2500	.71	.36	105	9.201599E-02	52381.76	RED
2550	1.2	.26	105.5	.08112	60214.01	RED
2600	1.1	.27	106	.08019	60685.73	RED
2650	.85	.25	106.5	.053125	96874.25	RED
2700	.95	.23	107	.050255	102702.3	RED
2750	1.5	.17	107.5	4.335001E-02	121061.4	RED
2800	1.5	.16	108	.0384	138418	RED
2850	1.3	.15	108.5	.02925	188237.4	RED
2900	1.3	.16	109	.03328	161433.4	RED
2950	1.3	.2	109.5	.052	96159.94	RED
3000	1.5	.15	110	.03375	157190.4	RED
3050	1.2	.18	110.5	.03888	132906.3	RED
3100	1	.2	111	.04	127972.1	RED
3150	.91	.31	111.5	8.745101E-02	51823.57	RED
3200	1.1	.2	112	.044	113518.5	RED
3250	.95	.22	112.5	.04598	107367.4	RED
3300	1.4	.18	113	.04536	108499.8	RED
3350	1.4	.15	113.5	.0315	164130.1	RED
3400	1.8	.13	114	.03042	169980.5	RED
3450	.95	.4	114.5	.152	26630.63	RED
3500	.7	.32	115	.07168	62850.15	RED
3550	.75	.27	115.5	5.467501E-02	85364.22	RED
3600	1.1	.23	116	5.819001E-02	79072.03	RED
3650	.91	.25	116.5	.056875	80774.96	RED
3700	1.6	.15	117	.036	135943.9	RED
3750	1.3	.27	117.5	.09477	44483.51	RED
3800	1.6	.24	118	.09216	45710.02	RED
3850	.4	.33	118.5	4.356001E-02	107612.4	RED
3900	.28	.32	119	.028672	173164.9	RED
3950	.93	.36	119.5	.120528	33095.97	RED
4000	1.2	.3	120	.108	37364.23	RED
4050	1.5	.24	120.5	.0864	48054.14	RED
4100	.42	.32	121	.043008	106606.4	RED
4150	.45	.29	121.5	.037845	122896.6	RED
4200	.35	.27	122	.025515	192406.1	RED
4250	.25	.31	122.5	.024025	205211.1	RED
4300	.72	.32	123	.073728	56312.82	RED
4350	.95	.15	123.5	.021375	232518.3	RED
4400	1.5	.34	124	.1734	20882.3	RED
4450	.71	.31	124.5	.068231	60703.1	RED
4500	.32	.34	125	.036992	122098.5	RED
4550	1.8	.37	125.5	.24642	14356.81	RED
4600	.91	.4	126	.1456	25059.59	RED
4650	1.4	.23	126.5	.07406	54241.3	RED
4700	1.6	.25	127	.1	38238.55	RED
4750	1.4	.15	127.5	.0315	143551.1	RED
4800	1.4	.35	128	.1715	20388.96	RED

4850	1.6	.27	128.5	.11664	31609.4	RED
4900	1.4	.61	129	.52094	6355.051	RED
4950	1.2	.27	129.5	8.748001E-02	43601.42	RED
5000	.31	.28	130	.024304	189110	RED
5050	.61	.29	130.5	.051301	79796.54	RED
5100	.85	.27	131	6.196501E-02	63947.73	RED
5150	.55	.32	131.5	.05632	71053.65	RED
5200	.91	.28	132	.071344	53912.08	RED
5250	.42	.29	132.5	.035322	120397.4	RED
5300	.77	.3	133	6.930001E-02	55260.67	RED
5350	.58	.28	133.5	.045472	89290.47	RED
5400	.85	.31	134	8.168501E-02	45354.14	RED
5450	.97	.26	134.5	.065572	58130.14	RED
5500	.86	.29	135	.072326	51715.77	RED
5550	.53	.27	135.5	.038637	105840.4	RED
5600	1.1	.23	136	5.819001E-02	65834.74	RED
5650	1.91	.21	136.5	8.423099E-02	42860.12	RED
5700	2	.3	137	.18	17834.66	RED