Total organic carbon, rock-eval pyrolysis, vitrinite reflectance, and visual kerogen data of select cuttings from the Texaco East Kurupa Unit No. 1 well

Received 8 May 1989

Total of 43 pages in report

Geologic Materials Center Data Report 122

PROJECT NUMBER, SAMPLE COUNT, WELLNAME

PROJ NUM.	EPR NO.	DEPTH (FT.)	WELL NAME
28308	111254-A	800	TEXACO NO.1 EAST KURUPA
28308	112717-A	815	TEXACO NO.1 EAST KURUPA
28308	111254-B	830	TEXACO NO.1 EAST KURUPA
28308	111254-C	1010	TEXACO NO.1 EAST KURUPA
28308	111254-D	1040	TEXACO NO.1 EAST KURUPA
28308	111254-E	1220	TEXACO NO.1 EAST KURUPA
28308	112717-B	1235	TEXACO NO.1 EAST KURUPA
28308	111254-F	1250	TEXACO NO.1 EAST KURUPA
28308	111254-G	1400	TEXACO NO.1 EAST KURUPA
28308	111254-H	1430	TEXACO NO.1 EAST KURUPA
28308	111254-I	1610	TEXACO NO.1 EAST KURUPA
28308	111254-J	1640	TEXACO NO.1 EAST KURUPA
28308	111254-K	1910	TEXACO NO.1 EAST KURUPA
28308	111254-L	1940	TEXACO NO.1 EAST KURUPA
28308	111254-M	2030	TEXACO NO.1 EAST KURUPA
28308	111254-N	2060	TEXACO NO.1 EAST KURUPA
28308	111254-O	2210	TEXACO NO.1 EAST KURUPA
28308	112717-C	2225	TEXACO NO.1 EAST KURUPA
28308	111254-P	2240	TEXACO NO.1 EAST KURUPA
28308	111254-Q	2480	TEXACO NO.1 EAST KURUPA
28308	111254-R	2510	TEXACO NO.1 EAST KURUPA
28308	111254-S	2810	TEXACO NO.1 EAST KURUPA
28308	111254-T	2840	TEXACO NO.1 EAST KURUPA
28308	111265-A	3020	TEXACO NO.1 EAST KURUPA
28308	111265-B	3050	TEXACO NO.1 EAST KURUPA
28308	111265-C	3260	TEXACO NO.1 EAST KURUPA
28308	112717-D	3275	TEXACO NO.1 EAST KURUPA
28308	111265-D	3290	TEXACO NO.1 EAST KURUPA
28308	111265-E	3500	TEXACO NO.1 EAST KURUPA
28308	111265-F	3530	TEXACO NO.1 EAST KURUPA
28308	111265-G	3770	TEXACO NO.1 EAST KURUPA
28308	111265-H	3800	TEXACO NO.1 EAST KURUPA
28308	111265-I	4050	TEXACO NO.1 EAST KURUPA
28308	111265-J	4060	TEXACO NO.1 EAST KURUPA
28308	111265-K	4200	TEXACO NO.1 EAST KURUPA
28308	112717-E	4205	TEXACO NO.1 EAST KURUPA
28308	111265-L	4210	TEXACO NO.1 EAST KURUPA
28308	111265-M	4400	TEXACO NO.1 EAST KURUPA
28308	111265-N	4410	TEXACO NO.1 EAST KURUPA
28308	111265-O	4600	TEXACO NO.1 EAST KURUPA
28308	111265-P	4610	TEXACO NO.1 EAST KURUPA
28308	111265-Q	4800	TEXACO NO.1 EAST KURUPA
28308	111265-R	4810	TEXACO NO.1 EAST KURUPA
28308	111265-S	5000	TEXACO NO.1 EAST KURUPA
28308	111265-T	5010	TEXACO NO.1 EAST KURUPA
28308	111276-A	5200	TEXACO NO.1 EAST KURUPA
28308	111276-B	5210	TEXACO NO.1 EAST KURUPA
28308	111276-C	5430	TEXACO NO.1 EAST KURUPA

PROJ NUM.	EPR NO.	DEPTH (FT.)	WELL NAME
28308	112717-F	5435	TEXACO NO.1 EAST KURUPA
28308	111276-D	5440	TEXACO NO.1 EAST KURUPA
28308	111276-E	5640	TEXACO NO.1 EAST KURUPA
28308	111276-F	5660	TEXACO NO.1 EAST KURUPA
28308	111276-G	5880	TEXACO NO.1 EAST KURUPA
28308	111276-H	5890	TEXACO NO.1 EAST KURUPA
28308	111276-I	6000	TEXACO NO.1 EAST KURUPA
28308	111276-J	6010	TEXACO NO.1 EAST KURUPA
28308	111276-K	6200	TEXACO NO.1 EAST KURUPA
28308	111276-L	6210	TEXACO NO.1 EAST KURUPA
28308	111276-M	6400	TEXACO NO.1 EAST KURUPA
28308	111276-N	6410	TEXACO NO.1 EAST KURUPA
28308	111276-O	6600	TEXACO NO.1 EAST KURUPA
28308	112717-G	6605	TEXACO NO.1 EAST KURUPA
28308	111276-P	6610	TEXACO NO.1 EAST KURUPA
28308	111276-Q	6800	TEXACO NO.1 EAST KURUPA
28308	111276-R	6810	TEXACO NO.1 EAST KURUPA
28308	111276-S	7000	TEXACO NO.1 EAST KURUPA
28308	111276-T	7010	TEXACO NO.1 EAST KURUPA
28308	111287-A	7200	TEXACO NO.1 EAST KURUPA
28308	112717-H	7205	TEXACO NO.1 EAST KURUPA
28308	111287-B	7210	TEXACO NO.1 EAST KURUPA
28308	111287-C	7400	TEXACO NO.1 EAST KURUPA
28308	111287-D	7410	TEXACO NO.1 EAST KURUPA
28308	111287-E	7600	TEXACO NO.1 EAST KURUPA
28308	111287-F	7610	TEXACO NO.1 EAST KURUPA
28308	111287-G	7800	TEXACO NO.1 EAST KURUPA
28308	111287-H	7810	TEXACO NO.1 EAST KURUPA
28308	111287-I	7990	TEXACO NO.1 EAST KURUPA
28308	111287-J	8000	TEXACO NO.1 EAST KURUPA
28308	111287-K	8230	TEXACO NO.1 EAST KURUPA
28308	112717-I	8235	TEXACO NO.1 EAST KURUPA
28308	111287-L	8240	TEXACO NO.1 EAST KURUPA
28308	111287-M	8420	TEXACO NO.1 EAST KURUPA
28308	111287-N	8430	TEXACO NO.1 EAST KURUPA
28308	111287-O	8600	TEXACO NO.1 EAST KURUPA
28308	111287-P	8610	TEXACO NO.1 EAST KURUPA
28308	111287-Q	8800	TEXACO NO.1 EAST KURUPA
28308	111287-R	8810	TEXACO NO.1 EAST KURUPA
28308	111287-S	9000	TEXACO NO.1 EAST KURUPA
28308	111287-T	9010	TEXACO NO.1 EAST KURUPA
28308	111298-A	9200	TEXACO NO.1 EAST KURUPA
28308	111298-B	9210	TEXACO NO.1 EAST KURUPA
28308	111298-C	9420	TEXACO NO.1 EAST KURUPA
28308	111298-D	9430	TEXACO NO.1 EAST KURUPA
28308	111298-E	9600	TEXACO NO.1 EAST KURUPA
28308	112717-J	9605	TEXACO NO.1 EAST KURUPA
28308	111298-F	9610	TEXACO NO.1 EAST KURUPA

PROJ NUM.	EPR NO.	DEPTH (FT.)	WELL NAME
28308	111298-G	9800	TEXACO NO.1 EAST KURUPA
28308	111298-H	9810	TEXACO NO.1 EAST KURUPA
28308	111298-I	10000	TEXACO NO.1 EAST KURUPA
28308	111298-J	10010	TEXACO NO.1 EAST KURUPA
28308	111298-K	10190	TEXACO NO.1 EAST KURUPA
28308	111298-L	10200	TEXACO NO.1 EAST KURUPA
28308	111298-M	10400	TEXACO NO.1 EAST KURUPA
28308	111298-N	10410	TEXACO NO.1 EAST KURUPA
28308	111298-O	10600	TEXACO NO.1 EAST KURUPA
28308	112717-K	10605	TEXACO NO.1 EAST KURUPA
28308	111298-P	10610	TEXACO NO.1 EAST KURUPA
28308	111298-Q	10800	TEXACO NO.1 EAST KURUPA
28308	111298-R	10810	TEXACO NO.1 EAST KURUPA
28308	111298-S	11010	TEXACO NO.1 EAST KURUPA
28308	111298-T	11020	TEXACO NO.1 EAST KURUPA
28308	111309-A	11200	TEXACO NO.1 EAST KURUPA
28308	112717-L	11205	TEXACO NO.1 EAST KURUPA
28308	111309-B	11210	TEXACO NO.1 EAST KURUPA
28308	111309-C	11400	TEXACO NO.1 EAST KURUPA
28308	111309-D	11410	TEXACO NO.1 EAST KURUPA
28308	111309-E	11600	TEXACO NO.1 EAST KURUPA
28308	111309-F	11610	TEXACO NO.1 EAST KURUPA
28308	111309-G	11800	TEXACO NO.1 EAST KURUPA
28308	111309-H	11810	TEXACO NO.1 EAST KURUPA
28308	111309-I	12000	TEXACO NO.1 EAST KURUPA
28308	111309-J	12010	TEXACO NO.1 EAST KURUPA
28308	111309-K	12200	TEXACO NO.1 EAST KURUPA
28308	112717-M	12205	TEXACO NO.1 EAST KURUPA
28308	111309-L	12210	TEXACO NO.1 EAST KURUPA
28308	111309-M	12400	TEXACO NO.1 EAST KURUPA
28308	111309-N	12410	TEXACO NO.1 EAST KURUPA
28308	111309-O	12600	TEXACO NO.1 EAST KURUPA
28308	111309-P	12610	TEXACO NO.1 EAST KURUPA
28308	111309-Q	12690	TEXACO NO.1 EAST KURUPA

GRAND COUNT 130

TABLE 8 - T.O.C., ISOTOPES, API GRAVITY

PROJECT NUM. 28308

EPR NO.	DEPTH (FT.)	T.O.C. (PCT)	C13/C12 TOM (ORGANIC)	C13/12 SAT (ORGANIC)	C13/12 ARO (ORGANIC)	C13/12 NSO (ORGANIC)	C13/12 ASTN (ORGANIC)	C13/12 CARBONATE	API GRAVITY	SULFUR
111254-A	800	3.88								
111254-B	830	16.45								
111254-C	1010	1.79								
111254-D	1040	3.58								
111254-E	1220	1.58								
111254-F	1250	1.16								
111254-G	1400	.69								
111254-H	1430	.66								
111254-I	1610	.84								
111254-J	1640	.52								
111254-K	1910	.64								
111254-L	1940	.68								
111254-M	2030	.18								
111254-N	2060	.62								
111254-O	2210	.78								
111254-P	2240	.87								
111254-Q	2480	.65								
111254-R	2510	.70								
111254-S	2810	.76								
111254-T	2840	.86								
111265-A	3020	.75								
111265-B	3050	.73								
111265-C	3260	.92								
111265-D	3290	.88								
111265-E	3500	.93								
111265-F	3530	1.25								
111265-G	3770	.99								
111265-H	3800	.99								
111265-I	4050	.62								
111265-J	4060	.68								
111265-K	4200	.79								
111265-L	4210	.81								
111265-M	4400	.89								
111265-N	4410	.90								
111265-O	4600	.84								
111265-P	4610	.90								
111265-Q	4800	.86								
111265-R	4810	.89								
111265-S	5000	1.00								
111265-T	5010	1.03								
111276-A	5200	1.18								
111276-B	5210	1.18								
111276-C	5430	.98								
111276-D	5440	.95								
111276-E	5640	.89								
111276-F	5660	.93								
111276-G	5880	.84								
111276-H	5890	.78								

TABLE 8 - T.O.C., ISOTOPES, API GRAVITY

PROJECT NUM. 28308

EPR NO.	DEPTH (FT.)	T.O.C. (PCT)	C13/C12 TOM (ORGANIC)	C13/12 SAT (ORGANIC)	C13/12 ARO (ORGANIC)	C13/12 NSO (ORGANIC)	C13/12 ASTN (ORGANIC)	C13/12 CARBONATE	API GRAVITY	SULFUR
111276-I	6000	.87								
111276-J	6010	.81								
111276-K	6200	1.04								
111276-L	6210	1.01								
111276-M	6400	1.05								
111276-N	6410	.82								
111276-O	6600	.97								
111276-P	6610	1.10								
111276-Q	6800	1.20								
111276-R	6810	.99								
111276-S	7000	1.01								
111276-T	7010	1.00								
111287-A	7200	1.06								
111287-B	7210	1.01								
111287-C	7400	1.22								
111287-D	7410	1.03								
111287-E	7600	.94								
111287-F	7610	1.06								
111287-G	7800	.91								
111287-H	7810	.74								
111287-I	7990	.83								
111287-J	8000	1.10								
111287-K	8230	.87								
111287-L	8240	.93								
111287-M	8420	.91								
111287-N	8430	1.04								
111287-O	8600	.60								
111287-P	8610	.75								
111287-Q	8800	.80								
111287-R	8810	.86								
111287-S	9000	.91								
111287-T	9010	.97								
111298-A	9200	.61								
111298-B	9210	.61								
111298-C	9420	.74								
111298-D	9430	.83								
111298-E	9600	1.00								
111298-F	9610	.98								
111298-G	9800	1.33								
111298-H	9810	1.08								
111298-I	10000	1.03								
111298-J	10010	.89								
111298-K	10190	.93								
111298-L	10200	.86								
111298-M	10400	1.08								
111298-N	10410	.74								
111298-O	10600	1.19								
111298-P	10610	.98								

TABLE 8 - T.O.C., ISOTOPES, API GRAVITY

PROJECT NUM. 28308

EPR NO.	DEPTH (FT.)	T.O.C. (PCT)	C13/C12 TOM (ORGANIC)	C13/12 SAT (ORGANIC)	C13/12 ARO (ORGANIC)	C13/12 NSO (ORGANIC)	C13/12 ASTN (ORGANIC)	C13/12 CARBONATE	API GRAVITY	SULFUR
111298-Q	10800	1.06								
111298-R	10810	1.06								
111298-S	11010	.89								
111298-T	11020	.79								
111309-A	11200	.87								
111309-B	11210	.96								
111309-C	11400	1.18								
111309-D	11410	1.19								
111309-E	11600	1.03								
111309-F	11610	1.16								
111309-G	11800	1.05								
111309-H	11810	1.19								
111309-I	12000	1.06								
111309-J	12010	.91								
111309-K	12200	1.14								
111309-L	12210	.98								
111309-M	12400	1.08								
111309-N	12410	1.02								
111309-O	12600	.95								
111309-P	12610	1.00								
111309-Q	12690	1.06								

TABLE 9 - VITRINITE REFLECTANCE

PROJECT NUM. 28308

EPR NO.	DEPTH (FT.)	GRP SORC	ANAL DATE YYMMDD	SMPL PREP	SMPL PROC TYPE TECH	POP INDEX	NO. OF READINGS	LOWER LIMIT	UPPER LIMIT	STD DEV	AVG	INDIG POP	PCT RO FOR LOM	RELIABILITY
112717-A	815	GEOS	890411		CTCP/PLUG	1	1	.23	.23	-	.23		.00	
					CTCP/PLUG	2	74	.53	.88	.060	.69	2	.69	
112717-B	1235	GEOS	890411		CTCP/PLUG	1	71	.54	.87	.070	.69	1	.69	
					CTCP/PLUG	2	1	1.02	1.02	-	1.02		.00	
					CTCP/PLUG	3	3	2.19	2.66	.240	2.41		.00	
112717-C	2225	GEOS	890411		CTCP/PLUG	1	69	.45	1.01	.120	.74	1	.74	
					CTCP/PLUG	2	5	1.18	1.26	.030	1.22		.00	
					CTCP/PLUG	3	1	1.59	1.59	-	1.59		.00	
112717-D	3275	GEOS	890411		CTCP/PLUG	1	1	.46	.46	-	.46		.00	
					CTCP/PLUG	2	61	.63	1.09	.120	.87	2	.87	
					CTCP/PLUG	3	8	1.10	1.36	.090	1.22		.00	
					CTCP/PLUG	4	5	1.57	1.81	.100	1.69		.00	
112717-E	4205	GEOS	890411		CTCP/PLUG	1	64	.68	1.03	.080	.90	1	.90	
					CTCP/PLUG	2	13	1.12	1.62	.170	1.39		.00	
					CTCP/PLUG	3	3	1.75	1.84	.050	1.79		.00	
112717-F	5435	GEOS	890411		CTCP/PLUG	1	59	.80	1.28	.130	1.09	1	1.09	
					CTCP/PLUG	2	17	1.31	1.68	.110	1.50		.00	
					CTCP/PLUG	3	5	1.85	2.40	.240	2.09		.00	
112717-G	6605	GEOS	890411		CTCP/PLUG	1	9	.73	.90	.050	.83		.00	
					CTCP/PLUG	2	63	.95	1.48	.150	1.22	2	1.22	
					CTCP/PLUG	3	8	1.50	2.05	.180	1.67		.00	
112717-H	7205	GEOS	890411		CTCP/PLUG	1	19	.74	1.10	.100	.96		.00	
					CTCP/PLUG	2	57	1.15	1.63	.120	1.35	2	1.35	
					CTCP/PLUG	3	4	1.68	2.07	.170	1.84		.00	
112717-I	8235	GEOS	890411		CTCP/PLUG	1	3	.70	.88	.090	.79		.00	
					CTCP/PLUG	2	60	.99	1.48	.150	1.21	2	1.21	
					CTCP/PLUG	3	16	1.50	1.88	.110	1.68		.00	
					CTCP/PLUG	4	1	2.30	2.30	-	2.30		.00	
112717-J	9605	GEOS	890411		CTCP/PLUG	1	4	.74	.81	.030	.78		.00	
					CTCP/PLUG	2	46	.85	1.34	.140	1.09	2	1.09	
					CTCP/PLUG	3	28	1.35	1.97	.200	1.64		.00	
					CTCP/PLUG	4	2	2.17	2.45	.200	2.31		.00	
12717-K	10605	GEOS	890411		CTCP/PLUG	1	2	.58	.70	.080	.64		.00	
					CTCP/PLUG	2	4	1.58	1.73	.070	1.65		.00	
					CTCP/PLUG	3	70	1.80	2.34	.130	2.09	3	2.09	
					CTCP/PLUG	4	4	2.37	2.47	.040	2.41		.00	
12717-L	11205	GEOS	890411		CTCP/PLUG	1	3	.98	.99	.010	.98		.00	

TABLE 9 - VITRINITE REFLECTANCE

PROJECT NUM. 28308

EPR NO.	DEPTH (FT.)	GRP SORC	ANAL DATE YYMMDD	SMPL PREP	SMPL PROC TYPE TECH	POP INDEX	NO. OF READINGS	LOWER LIMIT	UPPER LIMIT	STD DEV	AVG	INDIG POP	PCT RO FOR LOM	RELIABILITY
112717-L	11205	GEOS	890411		CTCP/PLUG	2	1	1.93	1.93	-	1.93		.00	
					CTCP/PLUG	3	68	2.05	2.49	.110	2.27	3	2.27	
					CTCP/PLUG	4	8	2.52	2.93	.150	2.72		.00	
112717-M	12205	GEOS	890411		CTCP/PLUG	1	1	.65	.65	-	.65		.00	
					CTCP/PLUG	2	56	2.06	2.48	.110	2.27	2	2.27	
					CTCP/PLUG	3	22	2.50	3.03	.130	2.69		.00	
					CTCP/PLUG	4	1	3.59	3.59	-	3.59		.00	

TABLE 10 - ROCK EVAL PYROLYSIS

'ROJECT NUM. 28308

EPR NO.	DEPTH (FT.)	GRP SORC	ANAL DATE YYMMDD	ANAL METH	S1 (MG/GRM)	S2 (MG/GRM)	S3 (MG/GRM)	HYDROGEN INDEX	OXYGEN INDEX	TRANSF. RATIO	TEMP. (CENT.)	TOC (PCT) R-E	COMMENTS
.11254-A	800	GEOC	890308	REV3	.27	6.92	.61	178	15	.04	433	3.88	
.11254-B	830	GEOC	890308	REV3	1.01	52.75	1.94	320	11	.02	436	16.45	
.11254-C	1010	GEOC	890308	REV3	.19	3.00	.40	167	22	.06	439	1.79	
.11254-D	1040	GEOC	890308	REV3	.15	4.47	.94	124	26	.03	436	3.59	
.11254-E	1220	GEOC	890308	REV3	.27	10.46	1.44	662	91	.03	425	1.58	
.11254-F	1250	GEOC	890308	REV3	.27	6.92	1.04	596	89	.04	428	1.16	
.11254-I	1610	GEOC	890308	REV3	.19	1.57	.63	186	75	.11	428	.84	
11254-M	2030	GEOC	890308	REV3	.16	.58	.40	71	49	.22	442	.81	
11254-P	2240	GEOC	890308	REV3	.17	.55	.53	63	60	.24	436	.07	
.11254-T	2840	GEOC	890308	REV3	.22	.77	.61	89	70	.22	431	.86	
11265-C	3260	GEOC	890308	REV3	.23	.66	.49	71	53	.26	438	.92	
11265-D	3290	GEOC	890308	REV3	.11	.28	.70	31	79	.29	426	.88	
11265-E	3500	GEOC	890308	REV3	.25	1.09	1.70	117	182	.19	434	.93	
11265-F	3530	GEOC	890308	REV3	.45	2.19	1.72	175	137	.17	430	1.25	
11265-G	3770	GEOC	890308	REV3	.38	.59	.65	59	65	.40	452	.99	
11265-H	3800	GEOC	890310	REV3	.47	.80	.58	80	58	.37	445	.99	
11265-L	4210	GEOC	890308	REV3	.34	.89	.45	109	55	.28	444	.81	
11265-M	4400	GEOC	890308	REV3	.29	.86	.30	96	33	.25	447	.89	
.11265-N	4410	GEOC	890310	REV3	.30	.76	.31	84	34	.28	447	.90	
11265-O	4600	GEOC	890310	REV3	.27	.63	.37	75	44	.30	446	.84	
11265-P	4610	GEOC	890310	REV3	.37	.95	.31	105	34	.28	446	.90	
11265-Q	4800	GEOC	890310	REV3	.29	.76	.33	88	38	.28	445	.86	
11265-R	4810	GEOC	890310	REV3	.34	.79	.29	88	32	.30	450	.89	
11265-S	5000	GEOC	890310	REV3	.34	.91	.36	91	36	.27	448	1.00	
11265-T	5010	GEOC	890310	REV3	.30	.65	.37	63	35	.32	466	1.03	
11276-A	5200	GEOC	890310	REV3	.33	.88	.48	74	40	.27	452	1.18	
11276-B	5210	GEOC	890310	REV3	.30	.78	.49	66	41	.28	446	1.18	
11276-C	5430	GEOC	890310	REV3	.18	.83	.24	84	24	.18	446	.98	
11276-D	5440	GEOC	890310	REV3	.16	.51	.22	53	23	.24	463	.95	
11276-E	5640	GEOC	890310	REV3	.08	.27	.39	30	43	.24	444	.89	
11276-F	5660	GEOC	890310	REV3	.11	.56	.28	60	30	.17	458	.93	
11276-G	5880	GEOC	890310	REV3	.11	.38	.25	45	29	.23	479	.84	
11276-I	6000	GEOC	890310	REV3	.12	.37	.33	42	37	.25	476	.87	
111276-J	6010	GEOC	890310	REV3	.12	.42	.25	51	30	.22	474	.81	
111276-K	6200	GEOC	890310	REV3	.16	.46	.18	44	17	.26	459	1.04	
111276-L	6210	GEOC	890310	REV3	.19	.58	.16	57	15	.25	462	1.01	
111276-M	6400	GEOC	890310	REV3	.18	.59	.20	56	19	.24	472	1.05	
111276-N	6410	GEOC	890310	REV3	.16	.42	.17	51	20	.28	470	.82	
111276-O	6600	GEOC	890310	REV3	.15	.55	.16	56	16	.21	467	.97	
111276-P	6610	GEOC	890310	REV3	.17	.59	.25	53	22	.22	472	1.10	
111276-Q	6800	GEOC	890310	REV3	.33	.53	.36	44	30	.38	462	1.20	
111276-R	6810	GEOC	890310	REV3	.20	.24	.42	24	42	.45	417	.99	
111276-S	7000	GEOC	890310	REV3	.36	.55	.29	54	28	.40	474	1.01	
111276-T	7010	GEOC	890310	REV3	.22	.37	.42	36	41	.38	467	1.01	
111287-A	7200	GEOC	890310	REV3	.36	.48	.40	45	37	.43	481	1.06	
111287-B	7210	GEOC	890310	REV3	.19	.45	.31	44	30	.30	474	1.01	
111287-C	7400	GEOC	890310	REV3	.18	.51	.34	41	27	.26	488	1.22	
111287-D	7410	GEOC	890310	REV3	.14	.43	.29	41	28	.25	481	1.03	

TABLE 10 - ROCK EVAL PYROLYSIS

PROJECT NUM. 28308

EPR NO.	DEPTH (FT.)	GRP SORC	ANAL DATE YYMMDD	ANAL METH	S1 (MG/GRM)	S2 (MG/GRM)	S3 (MG/GRM)	HYDROGEN INDEX	OXYGEN INDEX	TRANSF. RATIO	TEMP. (CENT.)	TOC (PCT) R-E	COMMENTS
111287-E	7600	GEOC	890310	REV3	.26	.50	.27	53	28	.34	465	.94	
111287-F	7610	GEOC	890310	REV3	.33	.68	.27	64	25	.33	456	1.06	
111287-G	7800	GEOC	890310	REV3	.17	.44	.39	48	42	.28	483	.91	
111287-I	7990	GEOC	890310	REV3	.10	.24	.24	28	34	.29	441	.83	
111287-J	8000	GEOC	890310	REV3	.24	.95	.52	86	47	.20	419	1.10	
111287-K	8230	GEOC	890310	REV3	.18	.34	.25	39	28	.35	487	.87	
111287-L	8240	GEOC	890310	REV3	.14	.28	.33	30	35	.33	478	.93	
111287-M	8420	GEOC	890310	REV3	.16	.31	.36	34	39	.35	443	.91	
111287-N	8430	GEOC	890310	REV3	.24	.48	.33	46	31	.33	481	1.04	
111287-Q	8800	GEOC	890310	REV3	.22	.26	.36	32	45	.46	386	.80	
111287-R	8810	GEOC	890310	REV3	.21	.31	.26	36	30	.40	454	.86	
111287-S	9000	GEOC	890310	REV3	.23	.28	.32	30	35	.46	374	.91	
111287-T	9010	GEOC	890310	REV3	.29	.45	.33	46	34	.39	460	.97	
111298-D	9430	GEOC	890310	REV3	.12	.22	.47	26	56	.35	412	.83	
111298-E	9600	GEOC	890310	REV3	.15	.30	.34	30	34	.34	483	1.00	
111298-F	9610	GEOC	890310	REV3	.14	.29	.30	29	30	.33	450	.98	
111298-G	9800	GEOC	890310	REV3	.63	2.86	.66	215	49	.18	407	1.33	
111298-H	9810	GEOC	890310	REV3	.22	.31	.33	28	30	.42	503	1.08	
111298-I	10000	GEOC	890310	REV3	.24	.37	.30	35	29	.40	495	1.03	
111298-J	10010	GEOC	890310	REV3	.16	.20	.32	22	35	.44	411	.89	
111298-K	10190	GEOC	890310	REV3	.52	.39	.25	41	26	.58	319	.93	
111298-L	10200	GEOC	890310	REV3	.29	.21	.29	24	33	.58	398	.86	
111298-M	10400	GEOC	890310	REV3	.43	.57	.85	52	78	.43	369	1.09	
111298-O	10600	GEOC	890310	REV3	.34	.32	.23	26	19	.52	412	1.19	
111298-P	10610	GEOC	890310	REV3	.29	.16	.29	16	29	.66	407	.98	
111298-Q	10800	GEOC	890310	REV3	.24	.16	.31	15	29	.60	369	1.06	
111298-R	10810	GEOC	890310	REV3	.27	.17	.26	16	24	.61	407	1.06	
111298-S	11010	GEOC	890310	REV3	.19	.14	.36	15	40	.59	357	.89	
111309-A	11200	GEOC	890310	REV3	.19	.13	.28	14	32	.59	318	.87	
111309-B	11210	GEOC	890310	REV3	.24	.16	.46	16	47	.60	309	.96	
111309-C	11400	GEOC	890310	REV3	.32	.28	.42	23	35	.53	411	1.18	
111309-D	11410	GEOC	890310	REV3	.30	.33	.36	27	30	.48	372	1.19	
111309-E	11600	GEOC	890310	REV3	.26	.18	.26	17	25	.59	305	1.03	
111309-F	11610	GEOC	890310	REV3	.34	.19	.35	16	30	.65	340	1.16	
111309-G	11800	GEOC	890310	REV3	.26	.17	.24	16	22	.62	369	1.06	
111309-H	11810	GEOC	890310	REV3	.26	.25	.29	21	24	.52	351	1.19	
111309-I	12000	GEOC	890310	REV3	.26	.16	.33	15	31	.62	306	1.06	
111309-J	12010	GEOC	890310	REV3	.24	.13	.33	14	36	.67	338	.91	
111309-K	12200	GEOC	890310	REV3	.24	.17	.33	14	28	.60	370	1.14	
111309-L	12210	GEOC	890310	REV3	.24	.21	.25	21	25	.55	363	.98	
111309-M	12400	GEOC	890310	REV3	.24	.17	.23	15	21	.60	344	1.08	
111309-N	12410	GEOC	890310	REV3	.22	.14	.35	13	34	.61	332	1.02	
111309-O	12600	GEOC	890310	REV3	.17	.13	.29	13	30	.57	335	.95	
111309-P	12610	GEOC	890310	REV3	.20	.16	.19	16	19	.56	344	1.00	
111309-Q	12690	GEOC	890310	REV3	.21	.19	.29	17	27	.52	345	1.06	

E-774

FLUORESCENCE OF POLISHED PLUG AND/OR KEROGEN SLIDE

Geo-Strat, Inc. Job No.	Client Sample No.	%FL Total Organic Matter Suite/Color	%FL/Color Exinite/Sporinite
E-774-01	112717 A	Less 5%/ Yel-Org.	None Observed
E-774-02	112717 B	Less 5%/ Yel-Org.	None Observed
E-774-03	112717 C	None Observed	None Observed
E-774-04	112717 D	None Observed	None Observed
E-774-05	112717 E	None Observed	None Observed
E-774-06	112717 F	None Observed	None Observed
E-774-07	112717 G	None Observed	None Observed
E-774-08	112717 H	None Observed	None Observed
E-774-09	112717 I	None Observed	None Observed
E-774-10	112717 J	None Observed	None Observed
E-774-11	112717 K	None Observed	None Observed
E-774-12	112717 L	None Observed	None Observed
E-774-13	112717 M	None Observed	None Observed
E-774-14	112717 N	None Observed	None Observed

VITRINITE SUMMARY

SAMPLE FILE NAME	DEPTH/SAMPLE NUMBER	NO. OF OBSERVATIONS	MIN. %Ro.	MAX. %Ro.	AVG. %Ro.	STD. DEV.
E-774-01	112717 A - 815'	75	0.23	0.88	0.68	0.08
	POPULATION NO. 1	1	0.23*	0.23	0.23	0.00
	POPULATION NO. 2	74	0.53	0.88	0.69	0.06 +
E-774-02	112717 B 1235'	75	0.54	2.66	0.76	0.35
	POPULATION NO. 1	71	0.54	0.87	0.69	0.07 +
	POPULATION NO. 2	1	1.02	1.02	1.02	0.00
	POPULATION NO. 3	3	2.19	2.66	2.41	0.24
E-774-03	112717 C 2205'	75	0.45	1.59	0.78	0.19
	POPULATION NO. 1	69	0.45	1.01	0.74	0.12 +
	POPULATION NO. 2	5	1.18	1.26	1.22	0.03
	POPULATION NO. 3	1	1.59	1.59	1.59	0.00
E-774-04	112717 D 3275'	75	0.46	1.81	0.95	0.26
	POPULATION NO. 1	1	0.46	0.46	0.46	0.00
	POPULATION NO. 2	61	0.63	1.09	0.87	0.12 +
	POPULATION NO. 3	8	1.10	1.36	1.22	0.09
	POPULATION NO. 4	5	1.57	1.81	1.69	0.10
E-774-05	112717 E 4205'	80	0.68	1.84	1.01	0.26
	POPULATION NO. 1	64	0.68	1.03	0.90	0.08 +
	POPULATION NO. 2	13	1.12	1.62	1.39	0.17
	POPULATION NO. 3	3	1.75	1.84	1.79	0.05
E-774-06	112717 F 5435'	81	0.80	2.40	1.24	0.30
	POPULATION NO. 1	59	0.80	1.28	1.09	0.13 +
	POPULATION NO. 2	17	1.31	1.68	1.50	0.11
	POPULATION NO. 3	5	1.85	2.40	2.09	0.24
E-774-07	112717 G 6605'	80	0.73	2.05	1.22	0.24
	POPULATION NO. 1	9	0.73	0.90	0.83	0.05
	POPULATION NO. 2	63	0.95	1.48	1.22	0.15 +
	POPULATION NO. 3	8	1.50	2.05	1.67	0.18
E-774-08	112717 H 7205'	80	0.74	2.07	1.28	0.24
	POPULATION NO. 1	19	0.74	1.10	0.96	0.10
	POPULATION NO. 2	57	1.15	1.63	1.35	0.12 +
	POPULATION NO. 3	4	1.68	2.07	1.84	0.17

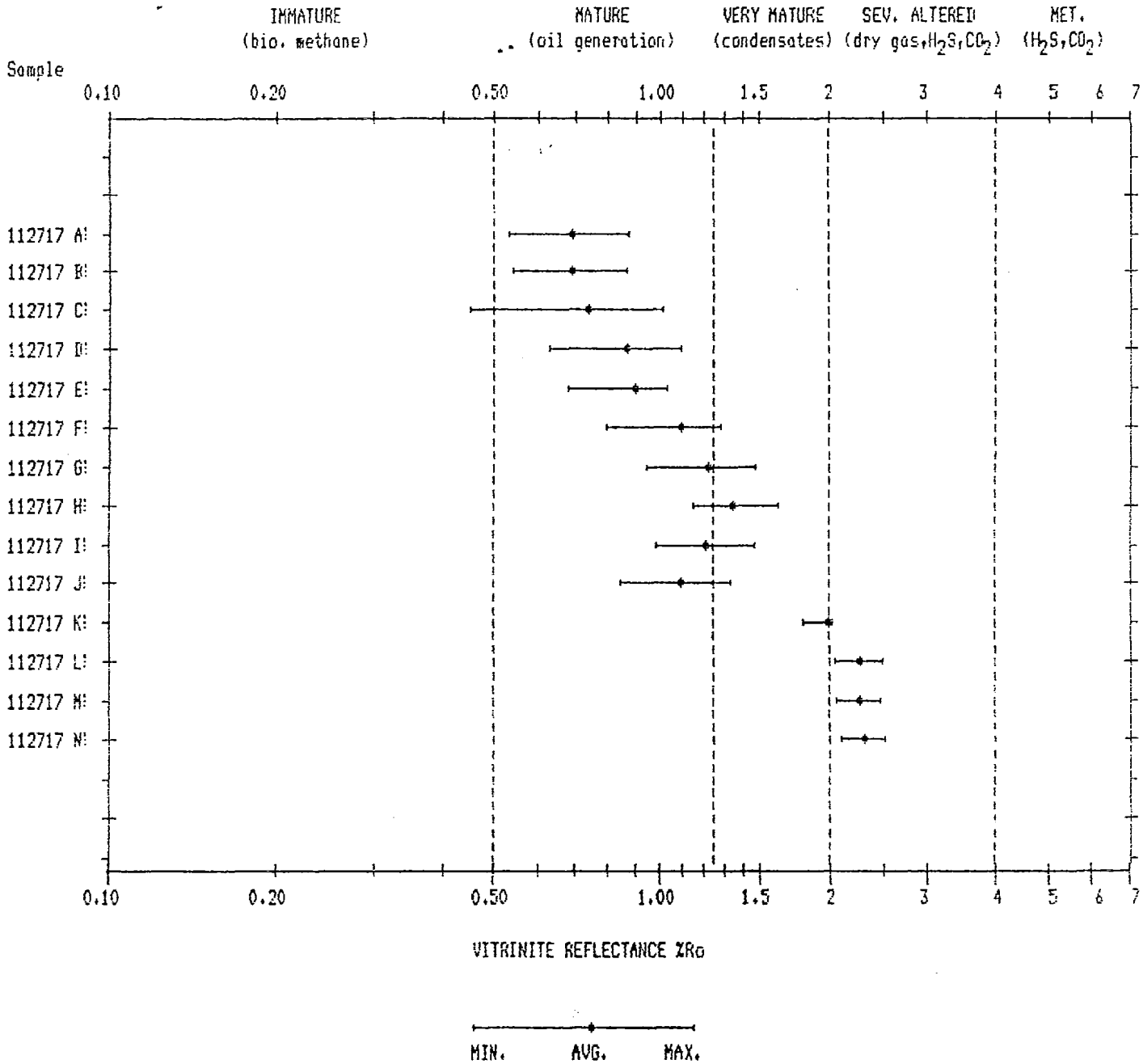
NOTE: ALL INFORMATION CONTAINED HEREIN IS PROPRIETARY

VITRINITE SUMMARY

SAMPLE FILE NAME	DEPTH/SAMPLE NUMBER	NO. OF OBSERVATIONS	MIN. %Ro.	MAX. %Ro.	AVG. %Ro.	STD. DEV.
E-774-09	112717 I 8235'	80	0.70	2.30	1.31	0.28
	POPULATION NO. 1	3	0.70	0.88	0.79	0.09
	POPULATION NO. 2	60	0.99	1.48	1.21	0.15 +
	POPULATION NO. 3	16	1.50	1.88	1.68	0.11
	POPULATION NO. 4	1	2.30	2.30	2.30	0.00
E-774-10	112717 J 9605'	80	0.74	2.45	1.30	0.37
	POPULATION NO. 1	4	0.74	0.81	0.78	0.03
	POPULATION NO. 2	46	0.85	1.34	1.09	0.14 +
	POPULATION NO. 3	28	1.35	1.97	1.64	0.20
	POPULATION NO. 4	2	2.17	2.45	2.31	0.20
E-774-11	112717 K 10,605'	80	0.58	2.47	2.05	0.29
	POPULATION NO. 1	2	0.58	0.70	0.64	0.08
	POPULATION NO. 2	4	1.58	1.73	1.65	0.07
	POPULATION NO. 3	70	1.80	2.34	2.09	0.13 +
	POPULATION NO. 4	4	2.37	2.47	2.41	0.04
E-774-12	112717 L 11,205'	80	0.98	2.93	2.26	0.31
	POPULATION NO. 1	3	0.98	0.99	0.98	0.01
	POPULATION NO. 2	1	1.93	1.93	1.93	0.00
	POPULATION NO. 3	68	2.05	2.49	2.27	0.11 +
	POPULATION NO. 4	8	2.52	2.93	2.72	0.15
E-774-13	112717 M 12,205'	80	0.65	3.59	2.38	0.32
	POPULATION NO. 1	1	0.65	0.65	0.65	0.00
	POPULATION NO. 2	56	2.06	2.48	2.27	0.11 +
	POPULATION NO. 3	22	2.50	3.03	2.69	0.13
	POPULATION NO. 4	1	3.59	3.59	3.59	0.00
E-774-14	112717 N 13,605'	80	2.10	3.45	2.46	0.29
	POPULATION NO. 1	56	2.10	2.52	2.30	0.11 +
	POPULATION NO. 2	22	2.56	3.08	2.79	0.17
	POPULATION NO. 3	2	3.21	3.45	3.33	0.17

+ POPULATION CONSIDERED TO BE IN SITU
PAGE 2
NOTE: ALL INFORMATION CONTAINED HEREIN IS PROPRIETARY

VITRINITE REFLECTANCE PROFILE
(THERMAL MATURITY)

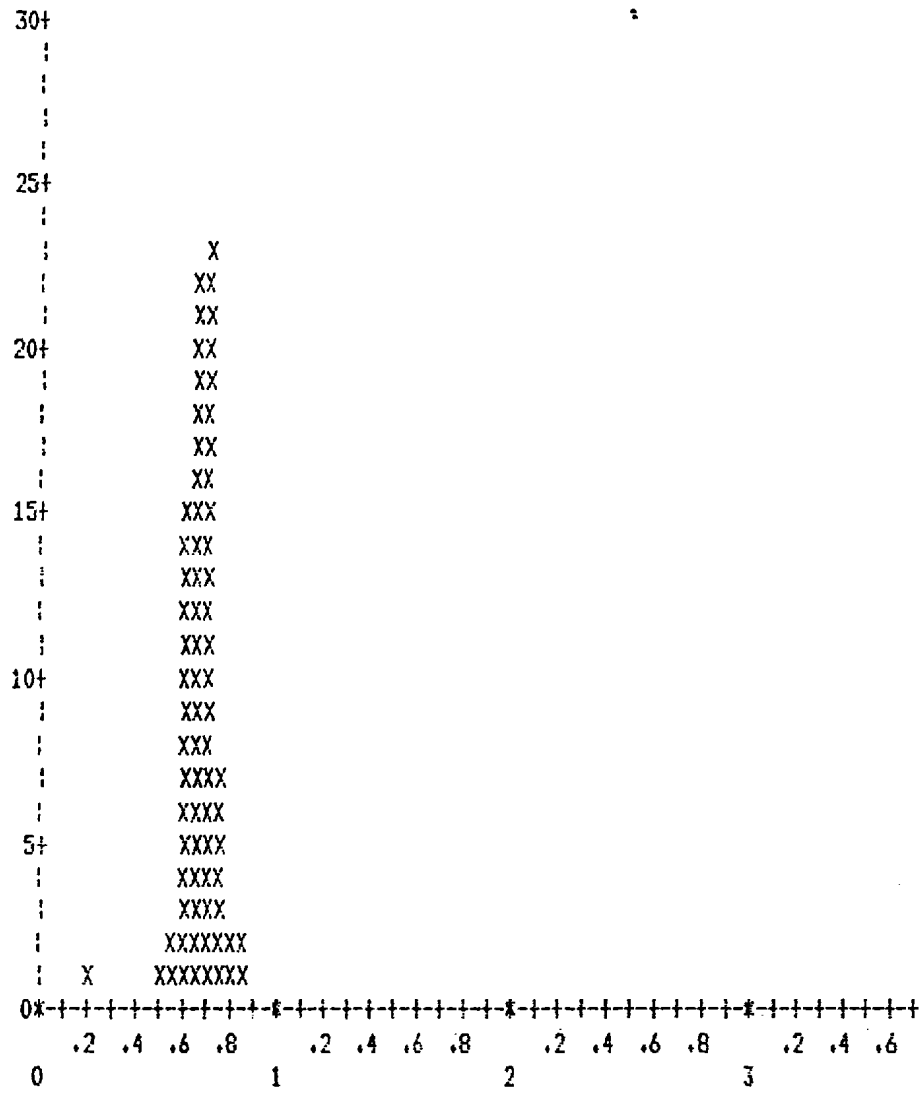


CLIENT.....EXXON
DEPTH/SAMPLE NO..112717 A
LOCATION.....UNKNOWN
ANALYST.....K. W. SCHWAB

FILE NAME.....E-774-01
TYPE OF SAMPLE.....?CTGS.
DATE.....4-6-89
NO. OF OBSERVATIONS. 75

STANDARD %Ro START: 1.02 FINISH: 1.02

REFLECTANCE DATA: MIN. 0.23 MAX. 0.88 AVG. 0.68 STD. DEV. 0.08



VITRINITE REFLECTANCE HISTOGRAM - %Ro

POP.# 1 TOTAL CTS. 1 MIN. 0.23 MAX. 0.23 AVG. 0.23 STD. DEV. 0.00

POP.# 2 TOTAL CTS. 74 MIN. 0.53 MAX. 0.88 AVG. 0.69 STD. DEV. 0.06 +

+ POPULATION CONSIDERED TO BE IN SITU

PAGE ONE OF TWO

COMPANY.....EXXON FILE NAME.....E-774-01

DATA POINTS:

1:	0.23	51:	0.71
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6:	0.61	56:	0.72
7:	0.61	57:	0.73
8:	0.62	58:	0.73
9:	0.62	59:	0.73
10:	0.63	60:	0.73
11:	0.63	61:	0.74
12:	0.63	62:	0.74
13:	0.63	63:	0.74
14:	0.63	64:	0.74
15:	0.63	65:	0.75
16:	0.64	66:	0.75
17:	0.64	67:	0.76
18:	0.64	68:	0.76
19:	0.64	69:	0.78
20:	0.65	70:	0.78
21:	0.65	71:	0.79
22:	0.66	72:	0.80
23:	0.66	73:	0.81
24:	0.66	74:	0.85
25:	0.66	75:	0.88
26:	0.67		
27:	0.67		
28:	0.67		
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50:	0.71		

PAGE TWO OF TWO

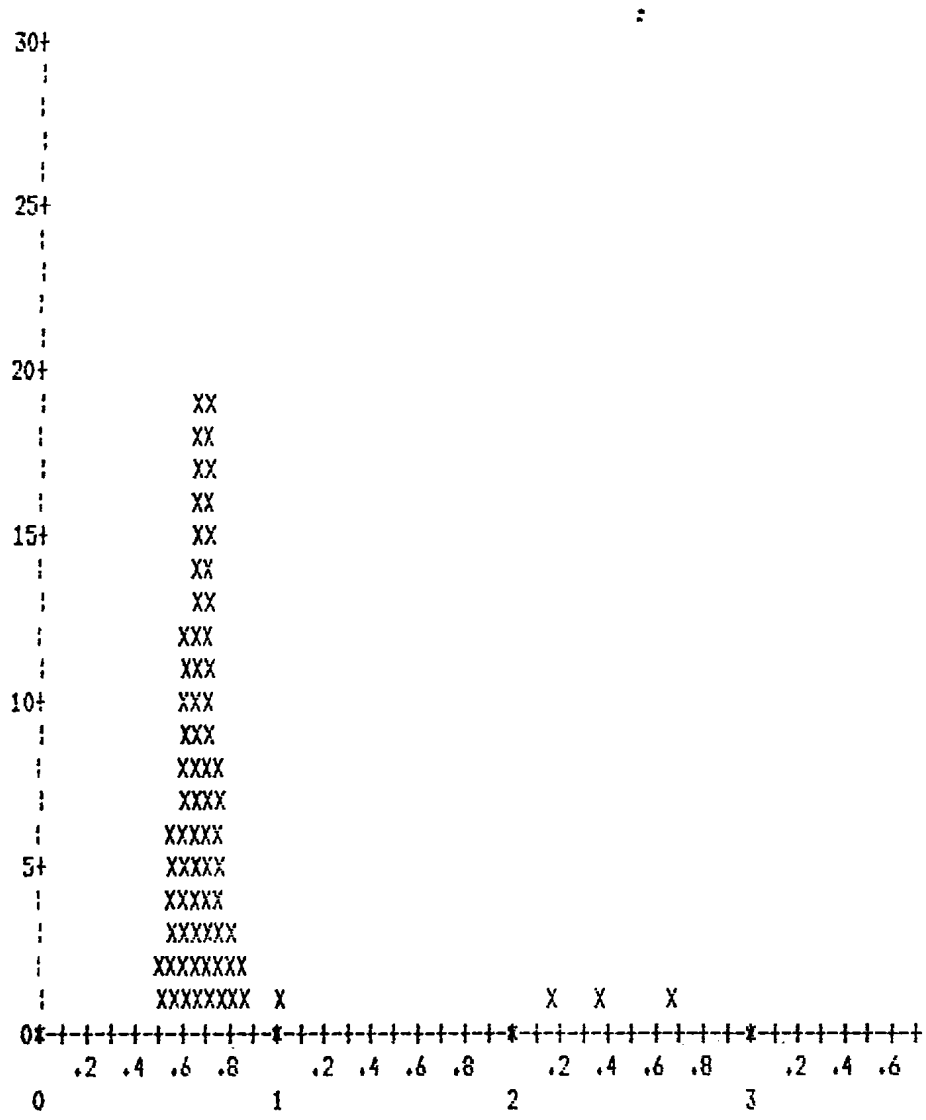
NOTE: ALL INFORMATION CONTAINED HEREIN IS PROPRIETARY

CLIENT.....EXXON
DEPTH/SAMPLE NO..112717 B
LOCATION.....UNKNOWN
ANALYST.....K. W. SCHWAB

FILE NAME.....E-774-02
TYPE OF SAMPLE.....?CTGS.
DATE.....4-6-89
NO. OF OBSERVATIONS. 75

STANDARD %Ro START: 1.02 FINISH: 1.02

REFLECTANCE DATA: MIN. 0.54 MAX. 2.66 AVG. 0.76 STD. DEV. 0.35



VITRINITE REFLECTANCE HISTOGRAM - %Ro

POP.# 1 TOTAL CTS. 71 MIN. 0.54 MAX. 0.87 AVG. 0.69 STD. DEV. 0.07 +

POP.# 2 TOTAL CTS. 1 MIN. 1.02 MAX. 1.02 AVG. 1.02 STD. DEV. 0.00

POP.# 3 TOTAL CTS. 3 MIN. 2.19 MAX. 2.66 AVG. 2.41 STD. DEV. 0.24

+ POPULATION CONSIDERED TO BE IN SITU

PAGE ONE OF TWO

COMPANY.....EXXON FILE NAME.....E-774-02

DATA POINTS:

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6:	0.58	56:	0.74
7:	0.58	57:	0.74
8:	0.59	58:	0.74
9:	0.60	59:	0.75
10:	0.61	60:	0.75
11:	0.61	61:	0.75
12:	0.61	62:	0.75
13:	0.62	63:	0.76
14:	0.62	64:	0.76
15:	0.63	65:	0.76
16:	0.63	66:	0.77
17:	0.63	67:	0.81
18:	0.63	68:	0.83
19:	0.63	69:	0.83
20:	0.64	70:	0.85
21:	0.65	71:	0.87
22:	0.65	72:	1.02
23:	0.65	73:	2.19
24:	0.65	74:	2.39
25:	0.66	75:	2.66
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47:	0.71		
48:	0.71		
49:	0.71		
50:	0.72		

PAGE TWO OF TWO

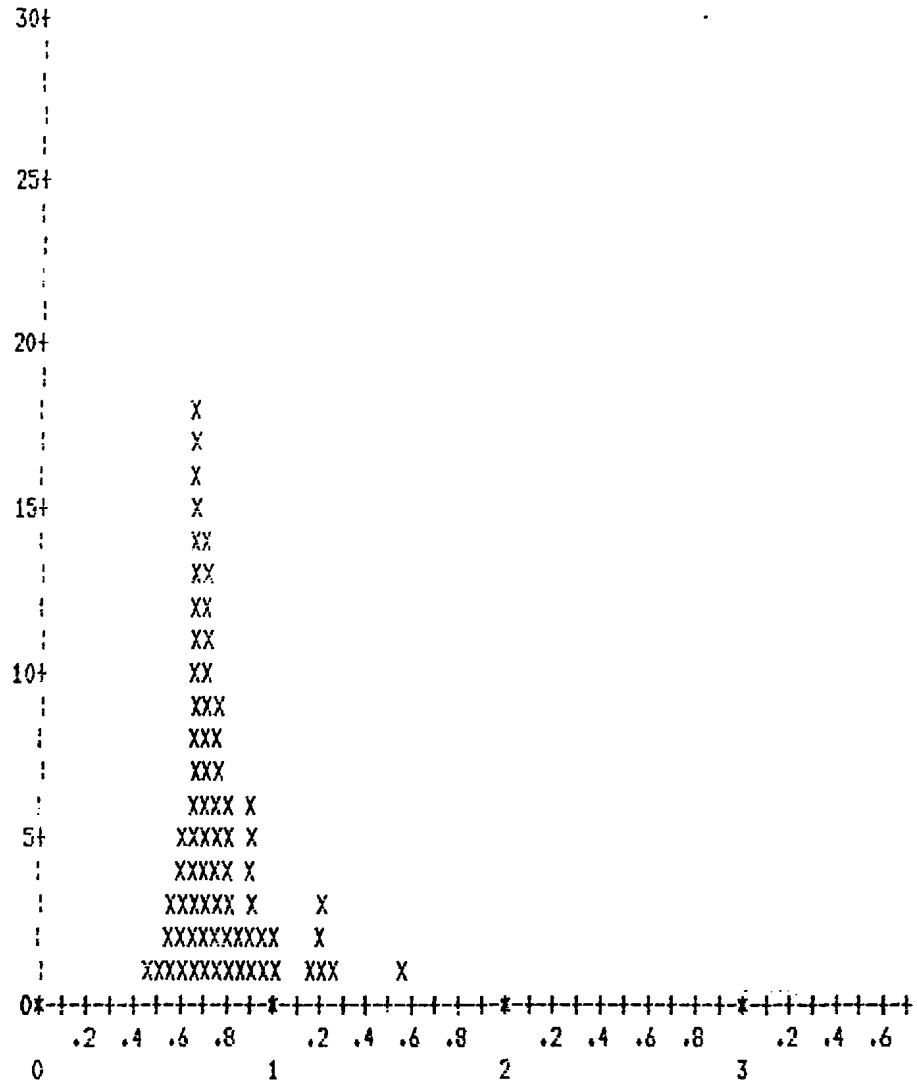
NOTE: ALL INFORMATION CONTAINED HEREIN IS PROPRIETARY

CLIENT.....EXXON
DEPTH/SAMPLE NO..112717 C
LOCATION.....UNKNOWN
ANALYST.....K. W. SCHWAB

FILE NAME.....E-774-03
TYPE OF SAMPLE.....?CTGS.
DATE.....4-6-89
NO. OF OBSERVATIONS. 75

STANDARD %Ro START: 1.02 FINISH: 1.02

REFLECTANCE DATA: MIN. 0.45 MAX. 1.59 AVG. 0.78 STD. DEV. 0.19



VITRINITE REFLECTANCE HISTOGRAM - %Ro

POP.# 1 TOTAL CTS. 69 MIN. 0.45 MAX. 1.01 AVG. 0.74 STD. DEV. 0.12 +

POP.# 2 TOTAL CTS. 5 MIN. 1.18 MAX. 1.26 AVG. 1.22 STD. DEV. 0.03

POP.# 3 TOTAL CTS. 1 MIN. 1.59 MAX. 1.59 AVG. 1.59 STD. DEV. 0.00

+ POPULATION CONSIDERED TO BE IN SITU

PAGE ONE OF TWO

COMPANY.....EXXON FILE NAME.....E-774-03

DATA POINTS:

1:	0.45	51:	0.79
2:	0.52	52:	0.80
3:	0.56	53:	0.80
4:	0.57	54:	0.82
5:	0.59	55:	0.82
6:	0.61	56:	0.83
7:	0.63	57:	0.84
8:	0.64	58:	0.85
9:	0.64	59:	0.86
10:	0.64	60:	0.91
11:	0.65	61:	0.91
12:	0.65	62:	0.91
13:	0.65	63:	0.92
14:	0.65	64:	0.94
15:	0.65	65:	0.94
16:	0.65	66:	0.96
17:	0.65	67:	0.97
18:	0.66	68:	1.00
19:	0.66	69:	1.01
20:	0.66	70:	1.18
21:	0.67	71:	1.20
22:	0.67	72:	1.20
23:	0.67	73:	1.24
24:	0.67	74:	1.26
25:	0.67	75:	1.59
26:	0.68		
27:	0.69		
28:	0.69		
29:	0.70		
30:	0.70		
31:	0.70		
32:	0.71		
33:	0.71		
34:	0.71		
35:	0.73		
36:	0.73		
37:	0.73		
38:	0.73		
39:	0.74		
40:	0.74		
41:	0.74		
42:	0.74		
43:	0.75		
44:	0.75		
45:	0.76		
46:	0.77		
47:	0.78		
48:	0.78		
49:	0.78		
50:	0.79		

PAGE TWO OF TWO

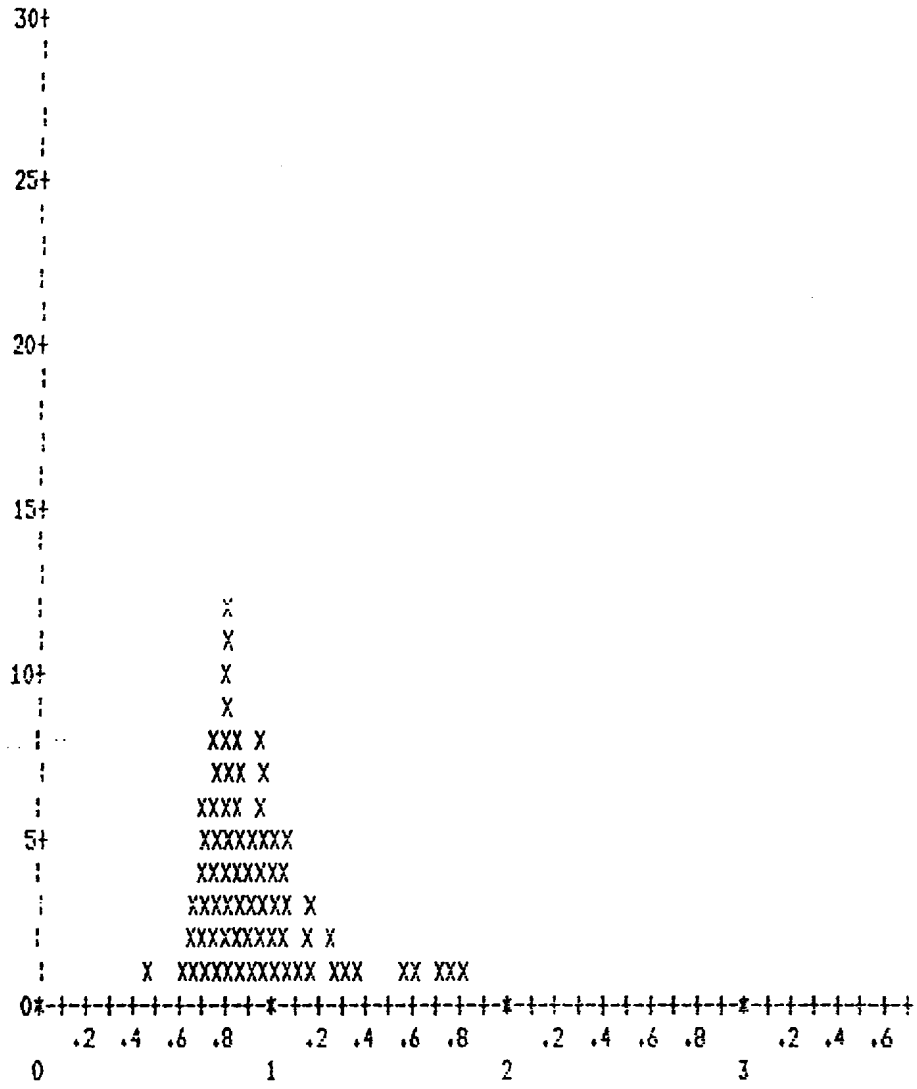
NOTE: ALL INFORMATION CONTAINED HEREIN IS PROPRIETARY

CLIENT.....EXXON
DEPTH/SAMPLE NO..112717 D
LOCATION.....UNKNOWN
ANALYST.....K. W. SCHWAB

FILE NAME.....E-774-04
TYPE OF SAMPLE.....?CTGS.
DATE.....4-6-89
NO. OF OBSERVATIONS. 75

STANDARD %Ro START: 1.02 FINISH: 1.02

REFLECTANCE DATA: MIN. 0.46 MAX. 1.81 AVG. 0.95 STD. DEV. 0.26



VITRINITE REFLECTANCE HISTOGRAM - %Ro

POP.# 1 TOTAL CTS. 1 MIN. 0.46 MAX. 0.46 AVG. 0.46 STD. DEV. 0.00

POP.# 2 TOTAL CTS. 61 MIN. 0.63 MAX. 1.09 AVG. 0.87 STD. DEV. 0.12 +

POP.# 3 TOTAL CTS. 8 MIN. 1.10 MAX. 1.36 AVG. 1.22 STD. DEV. 0.09

POP.# 4 TOTAL CTS. 5 MIN. 1.57 MAX. 1.81 AVG. 1.69 STD. DEV. 0.10

+ POPULATION CONSIDERED TO BE IN SITU

PAGE ONE OF TWO

COMPANY.....EXXON FILE NAME.....E-774-04

DATA POINTS:

1:	0.46	51:	0.99
2:	0.63	52:	0.99
3:	0.67	53:	1.01
4:	0.68	54:	1.02
5:	0.69	55:	1.02
6:	0.71	56:	1.03
7:	0.72	57:	1.04
8:	0.72	58:	1.05
9:	0.72	59:	1.05
10:	0.73	60:	1.08
11:	0.73	61:	1.08
12:	0.75	62:	1.09
13:	0.76	63:	1.10
14:	0.76	64:	1.15
15:	0.77	65:	1.15
16:	0.77	66:	1.18
17:	0.77	67:	1.27
18:	0.77	68:	1.28
19:	0.78	69:	1.30
20:	0.81	70:	1.36
21:	0.81	71:	1.57
22:	0.81	72:	1.63
23:	0.82	73:	1.71
24:	0.82	74:	1.75
25:	0.83	75:	1.81
26:	0.83		
27:	0.83		
28:	0.83		
29:	0.83		
30:	0.84		
31:	0.84		
32:	0.85		
33:	0.85		
34:	0.86		
35:	0.86		
36:	0.88		
37:	0.89		
38:	0.89		
39:	0.89		
40:	0.90		
41:	0.91		
42:	0.92		
43:	0.93		
44:	0.94		
45:	0.95		
46:	0.95		
47:	0.95		
48:	0.97		
49:	0.98		
50:	0.98		

PAGE TWO OF TWO

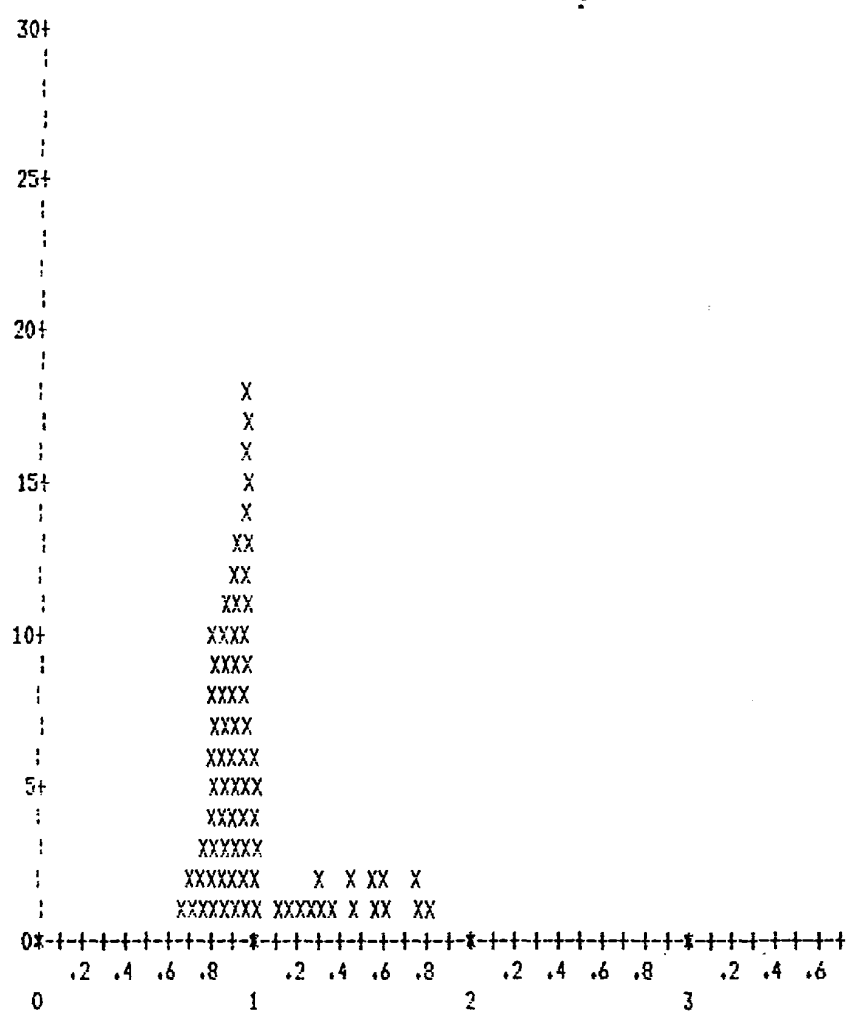
NOTE: ALL INFORMATION CONTAINED HEREIN IS PROPRIETARY

CLIENT.....EXXON
DEPTH/SAMPLE NO..112717 E
LOCATION.....UNKNOWN
ANALYST.....K. W. SCHWAB

FILE NAME.....E-774-05
TYPE OF SAMPLE.....?CTGS.
DATE.....4-6-89
NO. OF OBSERVATIONS. 80

STANDARD %Ro START: 1.02 FINISH: 1.02

REFLECTANCE DATA: MIN. 0.68 MAX. 1.84 AVG. 1.01 STD. DEV. 0.26



VITRINITE REFLECTANCE HISTOGRAM - %Ro

POP.# 1 TOTAL CTS. 64 MIN. 0.68 MAX. 1.03 AVG. 0.90 STD. DEV. 0.08 +

POP.# 2 TOTAL CTS. 13 MIN. 1.12 MAX. 1.62 AVG. 1.39 STD. DEV. 0.17

POP.# 3 TOTAL CTS. 3 MIN. 1.75 MAX. 1.84 AVG. 1.79 STD. DEV. 0.05

+ POPULATION CONSIDERED TO BE IN SITU

PAGE ONE OF TWO

COMPANY.....EXXON FILE NAME.....E-774-05

DATA POINTS:

1:	0.68	51:	0.96
2:	0.73	52:	0.96
3:	0.74	53:	0.97
4:	0.76	54:	0.97
5:	0.77	55:	0.99
6:	0.79	56:	0.99
7:	0.82	57:	0.99
8:	0.82	58:	0.99
9:	0.82	59:	1.00
10:	0.82	60:	1.00
11:	0.82	61:	1.01
12:	0.83	62:	1.02
13:	0.83	63:	1.02
14:	0.84	64:	1.03
15:	0.84	65:	1.12
16:	0.84	66:	1.17
17:	0.85	67:	1.23
18:	0.85	68:	1.25
19:	0.85	69:	1.33
20:	0.86	70:	1.33
21:	0.86	71:	1.38
22:	0.87	72:	1.45
23:	0.88	73:	1.48
24:	0.88	74:	1.57
25:	0.88	75:	1.57
26:	0.88	76:	1.60
27:	0.89	77:	1.62
28:	0.90	78:	1.75
29:	0.90	79:	1.78
30:	0.91	80:	1.84
31:	0.91		
32:	0.91		
33:	0.92		
34:	0.92		
35:	0.92		
36:	0.92		
37:	0.93		
38:	0.93		
39:	0.93		
40:	0.94		
41:	0.95		
42:	0.95		
43:	0.95		
44:	0.95		
45:	0.95		
46:	0.96		
47:	0.96		
48:	0.96		
49:	0.96		
50:	0.96		

PAGE TWO OF TWO

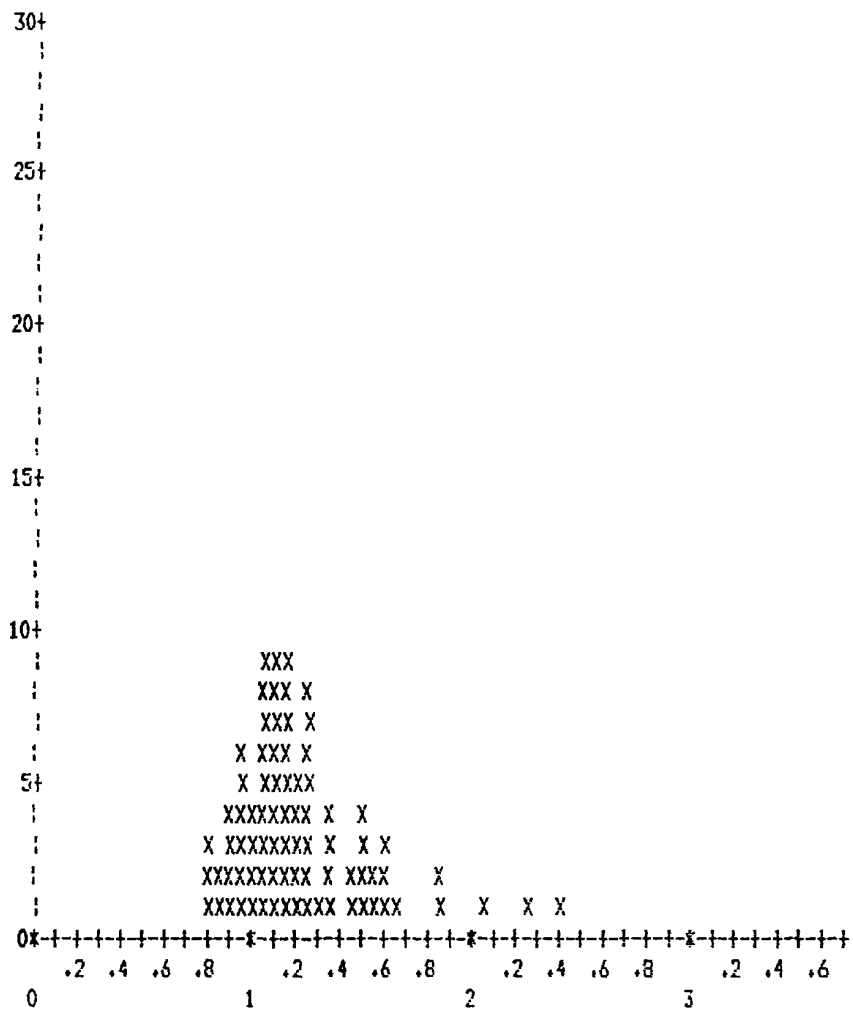
NOTE: ALL INFORMATION CONTAINED HEREIN IS PROPRIETARY

CLIENT.....EXXON
DEPTH/SAMPLE NO..112717 F
LOCATION.....UNKNOWN
ANALYST.....K. W. SCHWAB

FILE NAME.....E-774-06
TYPE OF SAMPLE.....?CTGS.
DATE.....4-6-89
NO. OF OBSERVATIONS. 81

STANDARD %Ro START: 1.02 FINISH: 1.02

REFLECTANCE DATA: MIN. 0.80 MAX. 2.40 AVG. 1.24 STD. DEV. 0.30



VITRINITE REFLECTANCE HISTOGRAM - %Ro

POP.# 1 TOTAL CTS. 59 MIN. 0.80 MAX. 1.28 AVG. 1.09 STD. DEV. 0.13 +

POP.# 2 TOTAL CTS. 17 MIN. 1.31 MAX. 1.68 AVG. 1.50 STD. DEV. 0.11

POP.# 3 TOTAL CTS. 5 MIN. 1.85 MAX. 2.40 AVG. 2.09 STD. DEV. 0.24

+ POPULATION CONSIDERED TO BE IN SITU

PAGE ONE OF TWO

COMPANY.....EXXON FILE NAME.....E-774-06

DATA POINTS:

1:	0.80	51:	1.24
2:	0.81	52:	1.25
3:	0.82	53:	1.25
4:	0.88	54:	1.25
5:	0.88	55:	1.26
6:	0.91	56:	1.26
7:	0.92	57:	1.26
8:	0.93	58:	1.27
9:	0.94	59:	1.28
10:	0.95	60:	1.31
11:	0.96	61:	1.36
12:	0.96	62:	1.36
13:	0.96	63:	1.37
14:	0.96	64:	1.38
15:	0.99	65:	1.45
16:	1.02	66:	1.46
17:	1.03	67:	1.51
18:	1.04	68:	1.51
19:	1.04	69:	1.51
20:	1.05	70:	1.54
21:	1.07	71:	1.57
22:	1.08	72:	1.58
23:	1.08	73:	1.61
24:	1.08	74:	1.61
25:	1.08	75:	1.63
26:	1.08	76:	1.68
27:	1.08	77:	1.85
28:	1.09	78:	1.87
29:	1.10	79:	2.06
30:	1.10	80:	2.27
31:	1.11	81:	2.40
32:	1.11		
33:	1.11		
34:	1.14		
35:	1.14		
36:	1.14		
37:	1.14		
38:	1.15		
39:	1.16		
40:	1.16		
41:	1.17		
42:	1.17		
43:	1.18		
44:	1.18		
45:	1.18		
46:	1.19		
47:	1.20		
48:	1.21		
49:	1.23		
50:	1.24		

PAGE TWO OF TWO

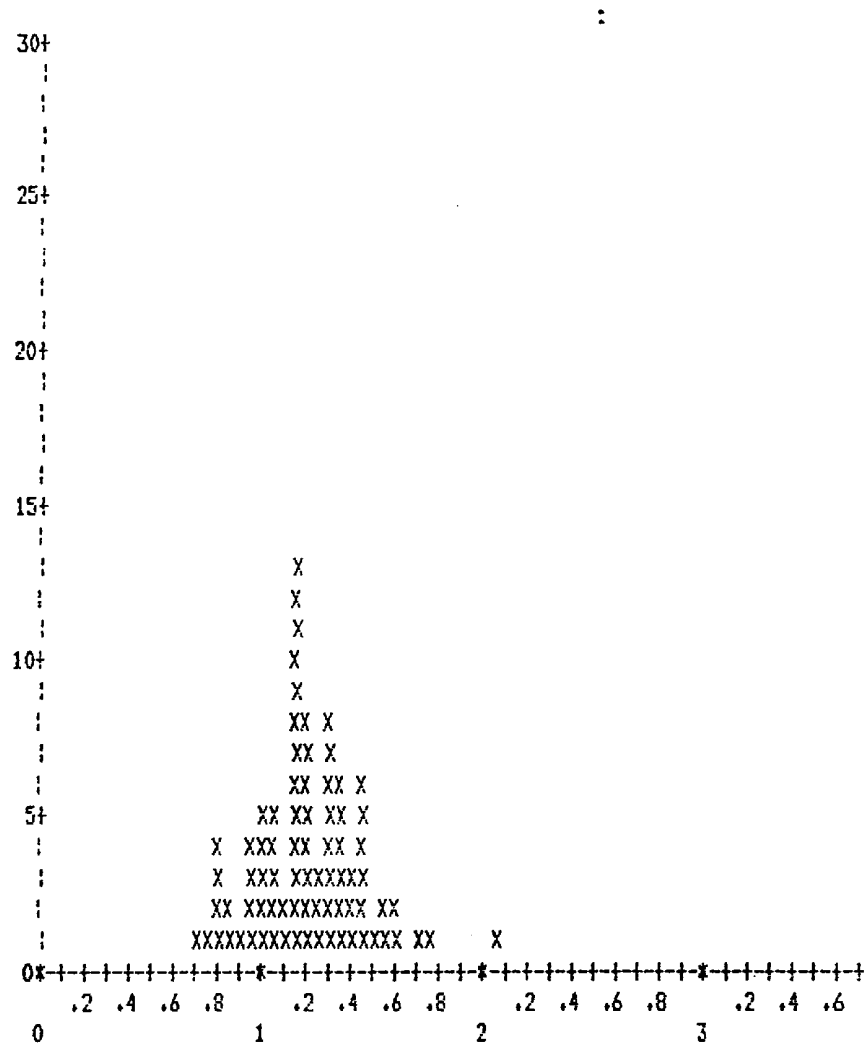
NOTE: ALL INFORMATION CONTAINED HEREIN IS PROPRIETARY

CLIENT.....EXXON
DEPTH/SAMPLE NO..112717 G
LOCATION.....UNKNOWN
ANALYST.....K. W. SCHWAB

FILE NAME.....E-774-07
TYPE OF SAMPLE.....?CTGS.
DATE.....4-6-89
NO. OF OBSERVATIONS. 80

STANDARD %Ro START: 1.02 FINISH: 1.02

REFLECTANCE DATA: MIN. 0.73 MAX. 2.05 AVG. 1.22 STD. DEV. 0.24



VITRINITE REFLECTANCE HISTOGRAM - %Ro

POP.# 1 TOTAL CTS. 9 MIN. 0.73 MAX. 0.90 AVG. 0.83 STD. DEV. 0.05

POP.# 2 TOTAL CTS. 63 MIN. 0.95 MAX. 1.48 AVG. 1.22 STD. DEV. 0.15 +

POP.# 3 TOTAL CTS. 8 MIN. 1.50 MAX. 2.05 AVG. 1.67 STD. DEV. 0.18

+ POPULATION CONSIDERED TO BE IN SITU

PAGE ONE OF TWO

COMPANY.....EXXON FILE NAME.....E-774-07

DATA POINTS:

1:	0.73	51:	1.31
2:	0.77	52:	1.31
3:	0.80	53:	1.31
4:	0.82	54:	1.33
5:	0.84	55:	1.33
6:	0.84	56:	1.34
7:	0.85	57:	1.34
8:	0.89	58:	1.36
9:	0.90	59:	1.36
10:	0.95	60:	1.37
11:	0.96	61:	1.39
12:	0.97	62:	1.39
13:	0.97	63:	1.39
14:	1.01	64:	1.40
15:	1.01	65:	1.40
16:	1.03	66:	1.43
17:	1.04	67:	1.46
18:	1.04	68:	1.46
19:	1.05	69:	1.46
20:	1.05	70:	1.47
21:	1.06	71:	1.48
22:	1.06	72:	1.48
23:	1.09	73:	1.50
24:	1.10	74:	1.55
25:	1.10	75:	1.57
26:	1.15	76:	1.60
27:	1.15	77:	1.60
28:	1.16	78:	1.74
29:	1.16	79:	1.78
30:	1.16	80:	2.05
31:	1.16		
32:	1.16		
33:	1.17		
34:	1.17		
35:	1.18		
36:	1.19		
37:	1.19		
38:	1.19		
39:	1.20		
40:	1.20		
41:	1.20		
42:	1.21		
43:	1.22		
44:	1.22		
45:	1.23		
46:	1.24		
47:	1.25		
48:	1.27		
49:	1.29		
50:	1.30		

PAGE TWO OF TWO

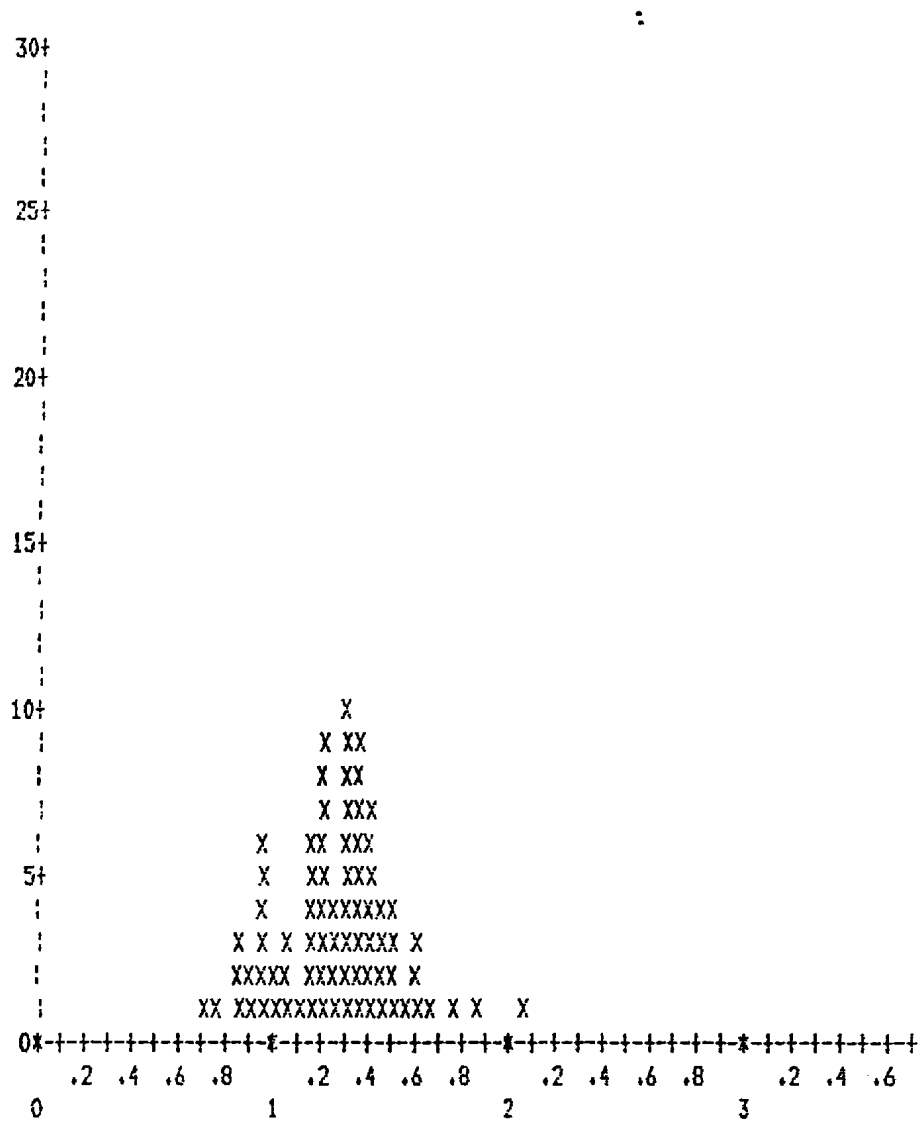
NOTE: ALL INFORMATION CONTAINED HEREIN IS PROPRIETARY

CLIENT.....EXXON
DEPTH/SAMPLE NO..112717 H
LOCATION.....UNKNOWN
ANALYST.....K. W. SCHWAB

FILE NAME.....E-774-08
TYPE OF SAMPLE.....?CTGS.
DATE.....4-6-89
NO. OF OBSERVATIONS. 80

STANDARD %Ro START: 1.02 FINISH: 1.02

REFLECTANCE DATA: MIN. 0.74 MAX. 2.07 AVG. 1.28 STD. DEV. 0.24



VITRINITE REFLECTANCE HISTOGRAM - %Ro

POP.# 1 TOTAL CTS. 19 MIN. 0.74 MAX. 1.10 AVG. 0.96 STD. DEV. 0.10

POP.# 2 TOTAL CTS. 57 MIN. 1.15 MAX. 1.63 AVG. 1.35 STD. DEV. 0.12 +

POP.# 3 TOTAL CTS. 4 MIN. 1.68 MAX. 2.07 AVG. 1.84 STD. DEV. 0.17

+ POPULATION CONSIDERED TO BE IN SITU

PAGE ONE OF TWO

COMPANY.....EXXON FILE NAME.....E-774-08

DATA POINTS:

1:	0.74	51:	1.37
2:	0.75	52:	1.37
3:	0.89	53:	1.37
4:	0.89	54:	1.38
5:	0.89	55:	1.38
6:	0.90	56:	1.38
7:	0.93	57:	1.38
8:	0.97	58:	1.40
9:	0.97	59:	1.40
10:	0.97	60:	1.40
11:	0.98	61:	1.41
12:	0.99	62:	1.42
13:	0.99	63:	1.44
14:	1.00	64:	1.44
15:	1.04	65:	1.45
16:	1.05	66:	1.47
17:	1.05	67:	1.49
18:	1.06	68:	1.49
19:	1.10	69:	1.50
20:	1.15	70:	1.50
21:	1.15	71:	1.52
22:	1.16	72:	1.53
23:	1.17	73:	1.56
24:	1.18	74:	1.61
25:	1.18	75:	1.61
26:	1.21	76:	1.63
27:	1.22	77:	1.68
28:	1.22	78:	1.77
29:	1.23	79:	1.85
30:	1.23	80:	2.07
31:	1.23		
32:	1.24		
33:	1.24		
34:	1.24		
35:	1.25		
36:	1.26		
37:	1.28		
38:	1.29		
39:	1.30		
40:	1.31		
41:	1.32		
42:	1.32		
43:	1.32		
44:	1.32		
45:	1.33		
46:	1.34		
47:	1.34		
48:	1.34		
49:	1.35		
50:	1.35		

PAGE TWO OF TWO

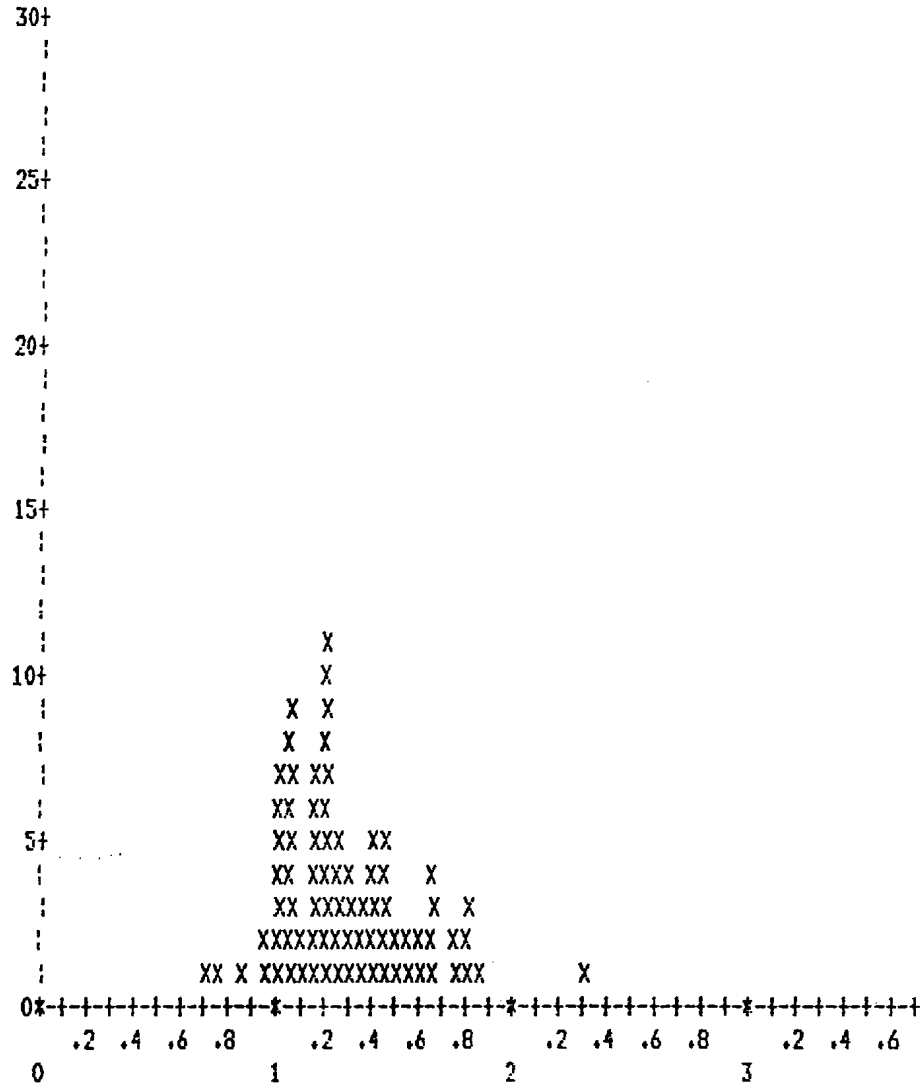
NOTE: ALL INFORMATION CONTAINED HEREIN IS PROPRIETARY

CLIENT.....EXXON
DEPTH/SAMPLE NO..112717 I
LOCATION.....UNKNOWN
ANALYST.....K. W. SCHWAB

FILE NAME.....E-774-09
TYPE OF SAMPLE.....?CTGS.
DATE.....4-6-89
NO. OF OBSERVATIONS. 80

STANDARD ZRo START: 1.02 FINISH: 1.02

REFLECTANCE DATA: MIN. 0.70 MAX. 2.30 AVG. 1.31 STD. DEV. 0.28



VITRINITE REFLECTANCE HISTOGRAM - ZRo

POP.# 1 TOTAL CTS. 3 MIN. 0.70 MAX. 0.88 AVG. 0.79 STD. DEV. 0.09

POP.# 2 TOTAL CTS. 60 MIN. 0.99 MAX. 1.48 AVG. 1.21 STD. DEV. 0.15 +

POP.# 3 TOTAL CTS. 16 MIN. 1.50 MAX. 1.88 AVG. 1.68 STD. DEV. 0.11

POP.# 4 TOTAL CTS. 1 MIN. 2.30 MAX. 2.30 AVG. 2.30 STD. DEV. 0.00

+ POPULATION CONSIDERED TO BE IN SITU

PAGE ONE OF TWO

COMPANY.....EXXON FILE NAME.....E-774-09

DATA POINTS:

1:	0.70	51:	1.35
2:	0.79	52:	1.37
3:	0.88	53:	1.38
4:	0.99	54:	1.40
5:	0.99	55:	1.42
6:	1.01	56:	1.42
7:	1.01	57:	1.42
8:	1.03	58:	1.44
9:	1.03	59:	1.46
10:	1.04	60:	1.47
11:	1.04	61:	1.47
12:	1.04	62:	1.48
13:	1.05	63:	1.48
14:	1.05	64:	1.50
15:	1.06	65:	1.53
16:	1.06	66:	1.56
17:	1.07	67:	1.58
18:	1.08	68:	1.60
19:	1.09	69:	1.64
20:	1.09	70:	1.65
21:	1.09	71:	1.65
22:	1.11	72:	1.68
23:	1.11	73:	1.69
24:	1.15	74:	1.77
25:	1.15	75:	1.79
26:	1.16	76:	1.80
27:	1.16	77:	1.80
28:	1.17	78:	1.80
29:	1.18	79:	1.88
30:	1.18	80:	2.30
31:	1.20		
32:	1.20		
33:	1.20		
34:	1.20		
35:	1.23		
36:	1.24		
37:	1.24		
38:	1.24		
39:	1.24		
40:	1.24		
41:	1.24		
42:	1.26		
43:	1.26		
44:	1.27		
45:	1.27		
46:	1.28		
47:	1.31		
48:	1.31		
49:	1.32		
50:	1.33		

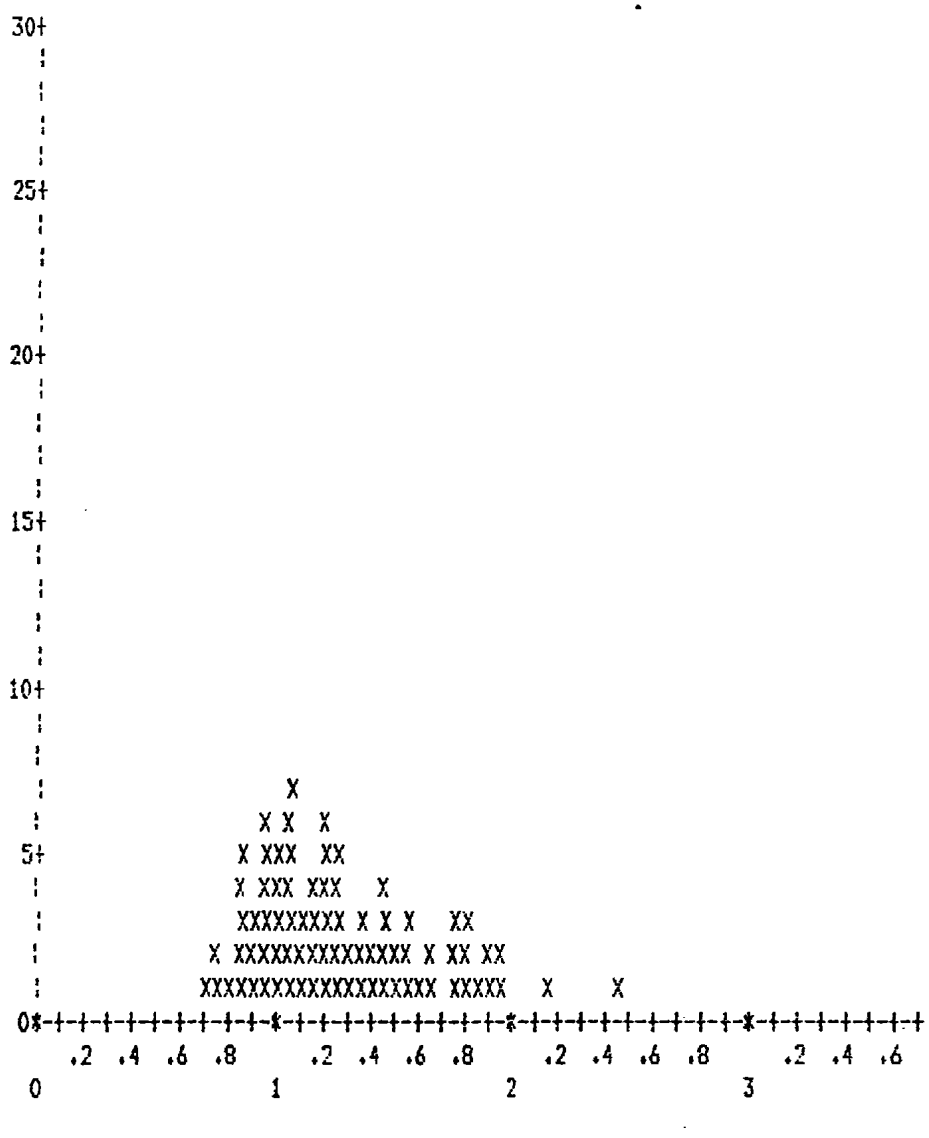
PAGE TWO OF TWO

NOTE: ALL INFORMATION CONTAINED HEREIN IS PROPRIETARY

CLIENT.....EXXON FILE NAME.....E-774-10
DEPTH/SAMPLE NO..112717 J TYPE OF SAMPLE.....?CTGS.
LOCATION.....UNKNOWN DATE.....4-6-89
ANALYST.....K. W. SCHWAB NO. OF OBSERVATIONS. 80

STANDARD %Ro START: 1.02 FINISH: 1.02

REFLECTANCE DATA: MIN. 0.74 MAX. 2.45 AVG. 1.30 STD. DEV. 0.37



VITRINITE REFLECTANCE HISTOGRAM - %Ro

POP.# 1 TOTAL CTS. 4 MIN. 0.74 MAX. 0.81 AVG. 0.78 STD. DEV. 0.03

POP.# 2 TOTAL CTS. 46 MIN. 0.85 MAX. 1.34 AVG. 1.09 STD. DEV. 0.14 +

POP.# 3 TOTAL CTS. 28 MIN. 1.35 MAX. 1.97 AVG. 1.64 STD. DEV. 0.20

POP.# 4 TOTAL CTS. 2 MIN. 2.17 MAX. 2.45 AVG. 2.31 STD. DEV. 0.20

+ POPULATION CONSIDERED TO BE IN SITU

PAGE ONE OF TWO

COMPANY.....EXXON FILE NAME.....E-774-10

DATA POINTS:

1:	0.74	51:	1.35
2:	0.77	52:	1.36
3:	0.78	53:	1.39
4:	0.81	54:	1.43
5:	0.85	55:	1.44
6:	0.85	56:	1.45
7:	0.87	57:	1.46
8:	0.87	58:	1.46
9:	0.88	59:	1.49
10:	0.90	60:	1.50
11:	0.90	61:	1.53
12:	0.94	62:	1.56
13:	0.95	63:	1.58
14:	0.96	64:	1.59
15:	0.96	65:	1.61
16:	0.97	66:	1.67
17:	0.97	67:	1.69
18:	0.98	68:	1.77
19:	1.02	69:	1.78
20:	1.03	70:	1.79
21:	1.03	71:	1.82
22:	1.04	72:	1.83
23:	1.04	73:	1.84
24:	1.05	74:	1.88
25:	1.07	75:	1.91
26:	1.07	76:	1.92
27:	1.08	77:	1.97
28:	1.08	78:	1.97
29:	1.08	79:	2.17
30:	1.09	80:	2.45
31:	1.10		
32:	1.13		
33:	1.13		
34:	1.15		
35:	1.18		
36:	1.19		
37:	1.19		
38:	1.20		
39:	1.20		
40:	1.20		
41:	1.22		
42:	1.24		
43:	1.24		
44:	1.25		
45:	1.26		
46:	1.28		
47:	1.28		
48:	1.29		
49:	1.34		
50:	1.34		

PAGE TWO OF TWO

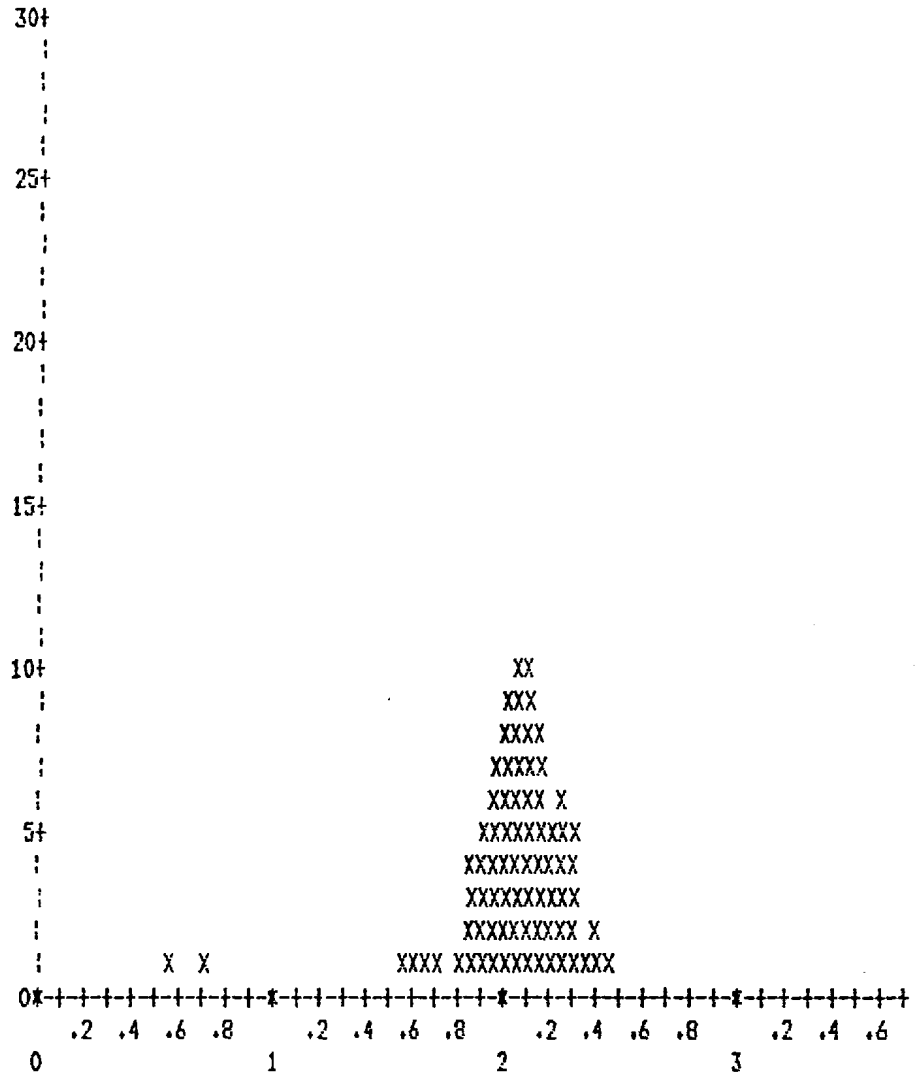
NOTE: ALL INFORMATION CONTAINED HEREIN IS PROPRIETARY

CLIENT.....EXXON
DEPTH/SAMPLE NO..112717 K
LOCATION.....UNKNOWN
ANALYST.....K. W. SCHWAB

FILE NAME.....E-774-11
TYPE OF SAMPLE.....?CTGS.
DATE.....4-6-89
NO. OF OBSERVATIONS. 80

STANDARD %Ro START: 1.02 FINISH: 1.02

REFLECTANCE DATA: MIN. 0.58 MAX. 2.47 AVG. 2.05 STD. DEV. 0.29



VITRINITE REFLECTANCE HISTOGRAM - %Ro

POP.# 1 TOTAL CTS. 2 MIN. 0.58 MAX. 0.70 AVG. 0.64 STD. DEV. 0.08

POP.# 2 TOTAL CTS. 4 MIN. 1.58 MAX. 1.73 AVG. 1.65 STD. DEV. 0.07

POP.# 3 TOTAL CTS. 70 MIN. 1.80 MAX. 2.34 AVG. 2.09 STD. DEV. 0.13 +

POP.# 4 TOTAL CTS. 4 MIN. 2.37 MAX. 2.47 AVG. 2.41 STD. DEV. 0.04

+ POPULATION CONSIDERED TO BE IN SITU

PAGE ONE OF TWO

COMPANY.....EXXON FILE NAME.....E-774-11

DATA POINTS:

1:	0.58	51:	2.13
2:	0.70	52:	2.14
3:	1.58	53:	2.15
4:	1.60	54:	2.15
5:	1.68	55:	2.15
6:	1.73	56:	2.17
7:	1.80	57:	2.17
8:	1.86	58:	2.17
9:	1.87	59:	2.18
10:	1.87	60:	2.19
11:	1.89	61:	2.20
12:	1.91	62:	2.23
13:	1.92	63:	2.23
14:	1.92	64:	2.23
15:	1.93	65:	2.24
16:	1.94	66:	2.25
17:	1.95	67:	2.26
18:	1.95	68:	2.26
19:	1.97	69:	2.26
20:	1.98	70:	2.27
21:	1.98	71:	2.29
22:	1.99	72:	2.30
23:	1.99	73:	2.32
24:	2.00	74:	2.33
25:	2.00	75:	2.34
26:	2.01	76:	2.34
27:	2.01	77:	2.37
28:	2.02	78:	2.40
29:	2.03	79:	2.41
30:	2.03	80:	2.47
31:	2.03		
32:	2.04		
33:	2.05		
34:	2.05		
35:	2.05		
36:	2.05		
37:	2.05		
38:	2.06		
39:	2.07		
40:	2.08		
41:	2.09		
42:	2.09		
43:	2.10		
44:	2.10		
45:	2.10		
46:	2.10		
47:	2.11		
48:	2.12		
49:	2.12		
50:	2.13		

PAGE TWO OF TWO

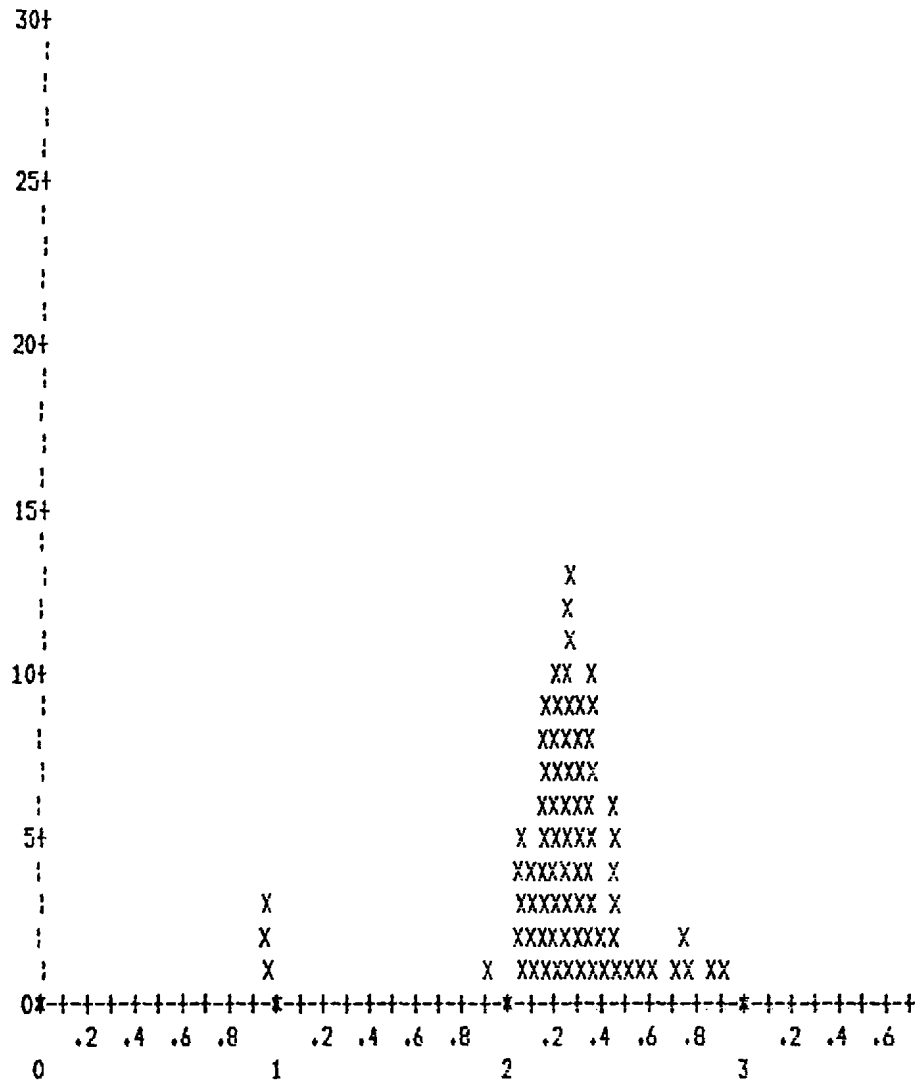
NOTE: ALL INFORMATION CONTAINED HEREIN IS PROPRIETARY

CLIENT.....EXXON
DEPTH/SAMPLE NO..112717 L
LOCATION.....UNKNOWN
ANALYST.....K. W. SCHWAB

FILE NAME.....E-774-12
TYPE OF SAMPLE.....?CTGS.
DATE.....4-6-89
NO. OF OBSERVATIONS. 80

STANDARD %Ro START: 1.02 FINISH: 1.02

REFLECTANCE DATA: MIN. 0.98 MAX. 2.93 AVG. 2.26 STD. DEV. 0.31



VITRINITE REFLECTANCE HISTOGRAM - %Ro

POP.# 1 TOTAL CTS. 3 MIN. 0.98 MAX. 0.99 AVG. 0.98 STD. DEV. 0.01

POP.# 2 TOTAL CTS. 1 MIN. 1.93 MAX. 1.93 AVG. 1.93 STD. DEV. 0.00

POP.# 3 TOTAL CTS. 68 MIN. 2.05 MAX. 2.49 AVG. 2.27 STD. DEV. 0.11 +

POP.# 4 TOTAL CTS. 8 MIN. 2.52 MAX. 2.93 AVG. 2.72 STD. DEV. 0.15

+ POPULATION CONSIDERED TO BE IN SITU

PAGE ONE OF TWO

DATA POINTS:

1:	0.98	51:	2.33
2:	0.98	52:	2.33
3:	0.99	53:	2.33
4:	1.93	54:	2.34
5:	2.05	55:	2.35
6:	2.06	56:	2.35
7:	2.06	57:	2.36
8:	2.07	58:	2.36
9:	2.08	59:	2.37
10:	2.11	60:	2.37
11:	2.12	61:	2.38
12:	2.12	62:	2.38
13:	2.14	63:	2.39
14:	2.15	64:	2.39
15:	2.15	65:	2.42
16:	2.16	66:	2.44
17:	2.16	67:	2.45
18:	2.16	68:	2.46
19:	2.17	69:	2.47
20:	2.17	70:	2.49
21:	2.18	71:	2.49
22:	2.18	72:	2.49
23:	2.20	73:	2.52
24:	2.20	74:	2.57
25:	2.21	75:	2.61
26:	2.22	76:	2.70
27:	2.23	77:	2.77
28:	2.23	78:	2.78
29:	2.24	79:	2.87
30:	2.24	80:	2.93
31:	2.24		
32:	2.24		
33:	2.25		
34:	2.25		
35:	2.25		
36:	2.26		
37:	2.26		
38:	2.26		
39:	2.26		
40:	2.27		
41:	2.27		
42:	2.28		
43:	2.28		
44:	2.29		
45:	2.29		
46:	2.30		
47:	2.30		
48:	2.31		
49:	2.32		
50:	2.33		

PAGE TWO OF TWO

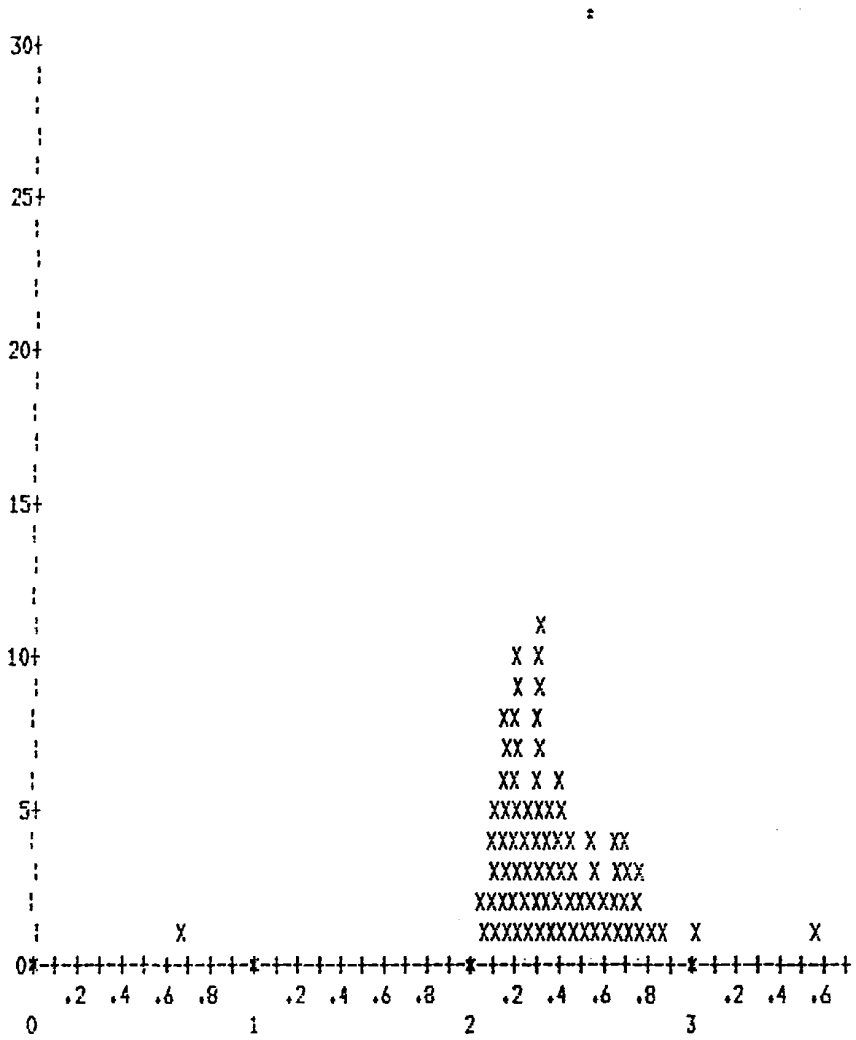
NOTE: ALL INFORMATION CONTAINED HEREIN IS PROPRIETARY

CLIENT.....EXXON
DEPTH/SAMPLE NO..112717 M
LOCATION.....UNKNOWN
ANALYST.....K. W. SCHWAB

FILE NAME.....E-774-13
TYPE OF SAMPLE.....?CTGS.
DATE.....4-6-89
NO. OF OBSERVATIONS. 80

STANDARD ZRo START: 1.02 FINISH: 1.02

REFLECTANCE DATA: MIN. 0.65 MAX. 3.59 AVG. 2.38 STD. DEV. 0.32



VITRINITE REFLECTANCE HISTOGRAM - ZRo

POP.# 1 TOTAL CTS. 1 MIN. 0.65 MAX. 0.65 AVG. 0.65 STD. DEV. 0.00

POP.# 2 TOTAL CTS. 56 MIN. 2.06 MAX. 2.48 AVG. 2.27 STD. DEV. 0.11 +

POP.# 3 TOTAL CTS. 22 MIN. 2.50 MAX. 3.03 AVG. 2.69 STD. DEV. 0.13

POP.# 4 TOTAL CTS. 1 MIN. 3.59 MAX. 3.59 AVG. 3.59 STD. DEV. 0.00

+ POPULATION CONSIDERED TO BE IN SITU

PAGE ONE OF TWO

COMPANY.....EXXON FILE NAME.....E-774-13

DATA POINTS:

1:	0.65	51:	2.44
2:	2.06	52:	2.44
3:	2.07	53:	2.44
4:	2.10	54:	2.45
5:	2.10	55:	2.46
6:	2.11	56:	2.46
7:	2.12	57:	2.48
8:	2.13	58:	2.50
9:	2.15	59:	2.50
10:	2.16	60:	2.55
11:	2.17	61:	2.56
12:	2.18	62:	2.58
13:	2.18	63:	2.58
14:	2.19	64:	2.60
15:	2.19	65:	2.63
16:	2.19	66:	2.66
17:	2.20	67:	2.67
18:	2.20	68:	2.67
19:	2.21	69:	2.68
20:	2.21	70:	2.70
21:	2.22	71:	2.70
22:	2.22	72:	2.72
23:	2.22	73:	2.74
24:	2.23	74:	2.76
25:	2.23	75:	2.77
26:	2.24	76:	2.78
27:	2.25	77:	2.83
28:	2.26	78:	2.86
29:	2.27	79:	3.03
30:	2.27	80:	3.59
31:	2.29		
32:	2.30		
33:	2.30		
34:	2.31		
35:	2.31		
36:	2.31		
37:	2.31		
38:	2.32		
39:	2.32		
40:	2.32		
41:	2.33		
42:	2.33		
43:	2.35		
44:	2.35		
45:	2.36		
46:	2.36		
47:	2.38		
48:	2.41		
49:	2.41		
50:	2.42		

PAGE TWO OF TWO

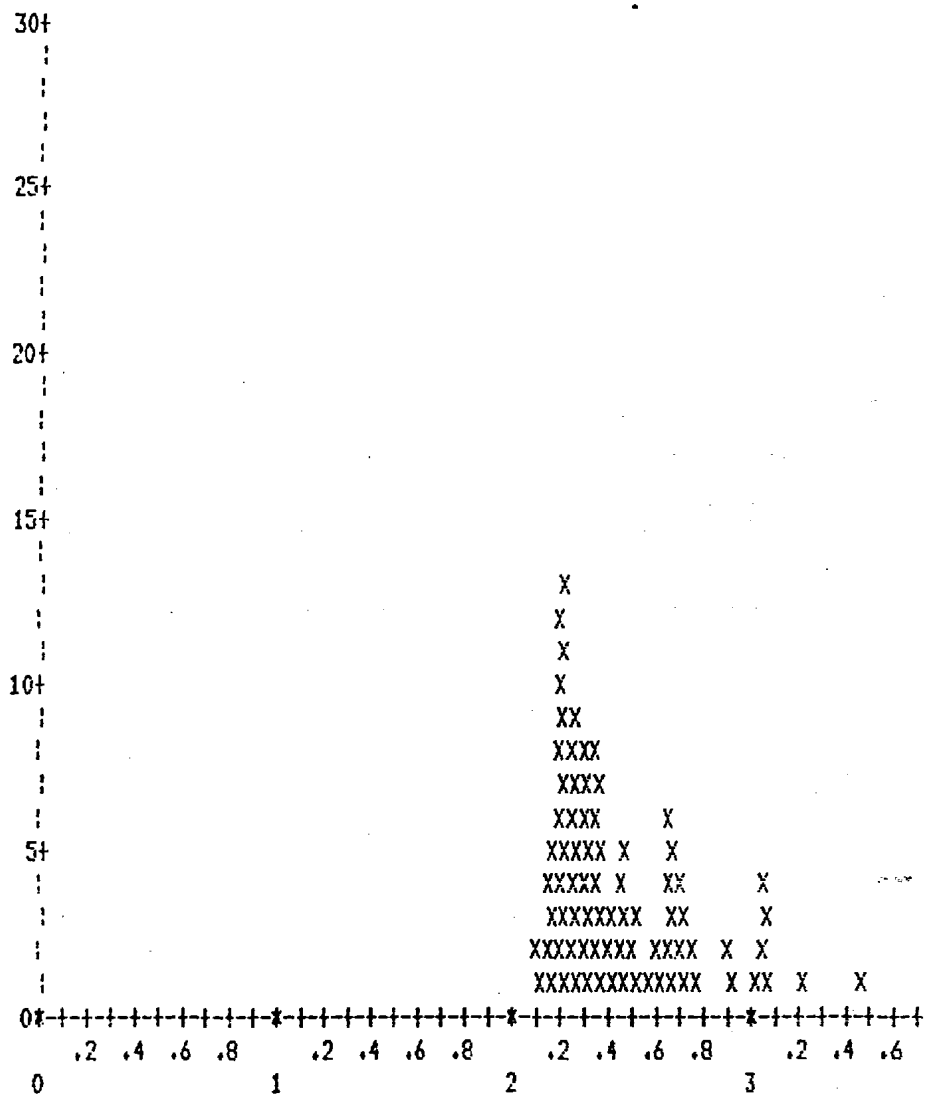
NOTE: ALL INFORMATION CONTAINED HEREIN IS PROPRIETARY

CLIENT.....EXXON
DEPTH/SAMPLE NO..112717 N
LOCATION.....UNKNOWN
ANALYST.....K. W. SCHWAB

FILE NAME.....E-774-14
TYPE OF SAMPLE.....?CTGS.
DATE.....4-6-89
NO. OF OBSERVATIONS. 80

STANDARD %Ro START: 1.02 FINISH: 1.02

REFLECTANCE DATA: MIN. 2.10 MAX. 3.45 AVG. 2.46 STD. DEV. 0.29



VITRINITE REFLECTANCE HISTOGRAM - %Ro

POP.# 1 TOTAL CTS. 56 MIN. 2.10 MAX. 2.52 AVG. 2.30 STD. DEV. 0.11 +

POP.# 2 TOTAL CTS. 22 MIN. 2.56 MAX. 3.08 AVG. 2.79 STD. DEV. 0.17

POP.# 3 TOTAL CTS. 2 MIN. 3.21 MAX. 3.45 AVG. 3.33 STD. DEV. 0.17

+ POPULATION CONSIDERED TO BE IN SITU

PAGE ONE OF TWO

COMPANY.....EXXON FILE NAME.....E-774-14

DATA POINTS:

1:	2.10	51:	2.46
2:	2.11	52:	2.46
3:	2.15	53:	2.47
4:	2.18	54:	2.50
5:	2.18	55:	2.51
6:	2.18	56:	2.52
7:	2.19	57:	2.56
8:	2.20	58:	2.61
9:	2.20	59:	2.63
10:	2.20	60:	2.66
11:	2.21	61:	2.67
12:	2.21	62:	2.68
13:	2.21	63:	2.69
14:	2.21	64:	2.69
15:	2.22	65:	2.69
16:	2.23	66:	2.70
17:	2.23	67:	2.70
18:	2.24	68:	2.71
19:	2.24	69:	2.71
20:	2.24	70:	2.76
21:	2.25	71:	2.78
22:	2.26	72:	2.93
23:	2.26	73:	2.94
24:	2.26	74:	3.02
25:	2.26	75:	3.05
26:	2.27	76:	3.05
27:	2.27	77:	3.07
28:	2.28	78:	3.08
29:	2.29	79:	3.21
30:	2.30	80:	3.45
31:	2.30		
32:	2.31		
33:	2.32		
34:	2.32		
35:	2.33		
36:	2.33		
37:	2.34		
38:	2.35		
39:	2.36		
40:	2.37		
41:	2.37		
42:	2.37		
43:	2.37		
44:	2.38		
45:	2.39		
46:	2.42		
47:	2.43		
48:	2.44		
49:	2.45		
50:	2.45		

PAGE TWO OF TWO

NOTE: ALL INFORMATION CONTAINED HEREIN IS PROPRIETARY

WELL/SECTION: TEXACO #1 KURUPA
ARCTIC SLOPE, ALASKA

SLIDES REC'D: / /
STARTED: / /
FINISHED: MAY / 5 / 89

JOB NO.:
STUDIED FOR: M.A. ABRAMS
STUDIED BY: R.W. HARRIS, JR

TABLE-1

OMVS = ORGANIC MATTER VERY SPARSE

OMTS = ORGANIC MATTER TOO SPARSE TO EVALUATE

SAMPLE NUMBER	INTERVAL IN FT.	TAI	TAI	TAI	Confidence Level (0-5)	Amorphous 1	2	3	Total Amorphous	Botryococcus	Tas./Leio./Tyth.	Dino./Acrit.	Other Aqueous	Total Struct. Aqueous	Biodeg. Terrestrial	Pollen/Spores	Non-Lignified Terr.	Lignified Terr.	Total Struct. Terrestrial	Inert	Indet. Fines	Resin	Fungi	Microforams	Pyrite	Minerals	Other	Circle TAI Value of Indigenous Population When Possible
K112717-A	815	(2.3)	2.0			5			5			T		5	15	VR	20	55		R		R			VR			
			2.4																									
" -B	1235	2.3				5			5			T		10	10	VR	25	40		10		R			R			
" -C	2225	2.4				3			3			T		10	12	VR	25	40		10					R			
" -D	3275	2.4-2.5				2			2			T		5	20	3	25	40		5					R	R		
" -E	4205	2.4-2.5				2			2			T		10	20	8	40	40		P						C		
" -F	5435	2.4-2.5				5			5			T		10	15	8	17	35		10		R				C		
" -G	6605	(2.5)	2.8			5			5			T		5	12	3	20	45		10						R		
			2.6																									
" -H	7205	2.6				5			5			T		3	20	2	20	40		10					R	R		
" -I	8235	2.6				5			5					3	19	3	20	45		5						RH		
" -J	9605	(2.6-2.7)				3			3					3	21	3	20	40		10						R		
			2.8																									
" -K	10,605	2.6-2.7				8			8					5	25	3	14	35		10					R	R		
" -L	11,205	2.7				8			8					3	24	3	10	37		15					R	R		
" -M	12,205	2.8-3.0				8			8					2	25	3	7	40		15						R		
" -N	12,605	3.0				3			3					T	15	2	20	45		15								