

—

Geologic Materials Center Data Report No. 130

# UNION Tungak Creek #1

EPR NO.	DEPTH (FT.)	T.O.C. (PCT)	EPR NO.	DEPTH (FT.)	T.O.C. (PCT)
116666-A	540	1.29	116688-C	4650	2.27
116666-B	840	.91	116721-G	4659	.76
116666-C	990	1.09	116688-D	4770	10.60
116666-D	1080	1.08	116688-E	4830	1.78
116666-E	1170	1.68	116688-F	4920	5.12
116666-F	1260	4.52	116688-G	5010	2.27
116666-G	1350	1.24	116688-H	5100	14.59
116666-H	1440	.94	116688-I	5220	3.12
116666-I	1530	1.15	116688-J	5310	3.74
116666-J	1620	4.29	116688-K	5400	13.74
116666-K	1710	2.43	116688-L	5460	4.62
116666-L	1800	2.20	116688-M	5550	2.35
116666-M	1890	1.49	116688-N	5640	2.28
116666-N	1980	2.46	116688-O	5760	4.51
116666-O	2070	1.71	116688-P	5850	11.70
116666-P	2160	3.34	116688-Q	5940	4.18
116666-Q	2250	2.39	116688-R	6000	2.75
116666-R	2340	1.58	116688-S	6120	3.98
116666-S	2430	1.08	116688-T	6180	3.15
116666-T	2520	6.56	116699-A	6270	1.53
116677-A	2610	1.66	116699-B	6390	1.58
116677-B	2700	2.51	116699-C	6480	1.74
116677-C	2790	1.54	116699-D	6600	1.74
116677-D	2890	3.81	116699-E	6690	1.89
116677-E	2970	1.82	116699-F	6780	1.84
116721-A	3049	2.11	116699-G	6870	1.46
116721-B	3082	1.09	116699-H	6960	1.81
116677-F	3090	1.92	116699-I	7080	1.55
116721-C	3093	12.40	116699-J	7140	1.89
116677-G	3150	2.09	116699-K	7230	1.45
116677-H	3240	1.92	116699-L	7260	1.45
116677-I	3330	2.38	116699-M	7350	1.65
116677-J	3420	1.69	116699-N	7440	1.76
116677-K	3510	2.35	116699-O	7530	1.52
116677-L	3630	1.98	116699-P	7620	1.89
116677-M	3720	2.51	116699-Q	7680	1.65
116677-N	3780	2.43	116699-R	7770	1.63
116677-O	3900	1.60	116699-S	7860	1.40
116677-P	3990	1.43	116699-T	7950	1.44
116677-Q	4080	1.49	116710-A	8040	1.60
116677-R	4230	2.14	116710-B	8130	2.76
116677-S	4320	1.36	116710-C	8190	2.05
116677-T	4410	1.84			
116688-A	4500	2.93			
116688-B	4590	2.37			
116721-D	4604	.28			
116721-E	4613	.41			
116721-F	4625	1.30			

TABLE 10 - ROCK EVAL PYROLYSIS

PAGE 1

PROJECT NUM. 28617

## UNION Tungk Creek #1

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
16666-A	540	GE0C	890620	REV3	.26	1.45	1.46	112	113	.15	435	1.29	
16666-B	840	GE0C	890620	REV3	.18	.98	1.00	107	109	.16	434	.91	
16666-C	990	GE0C	890620	REV3	.28	1.53	1.72	140	157	.16	427	1.09	
16666-D	1080	GE0C	890620	REV3	.14	1.03	3.55	95	328	.12	441	1.08	
16666-E	1170	GE0C	890620	REV3	.20	3.08	1.47	183	87	.06	426	1.68	
16666-F	1260	GE0C	890620	REV3	.30	4.97	1.69	109	37	.06	437	4.52	
16666-G	1350	GE0C	890620	REV3	.13	1.34	.99	108	79	.09	432	1.24	
16666-H	1440	GE0C	890620	REV3	.12	1.03	1.02	109	108	.11	429	.94	
16666-I	1530	GE0C	890620	REV3	.17	1.23	1.46	106	126	.12	432	1.15	
16666-J	1620	GE0C	890620	REV3	.52	8.49	2.16	197	50	.06	424	4.29	
16666-K	1710	GE0C	890620	REV3	.31	3.16	3.48	130	143	.09	432	2.43	
16666-L	1800	GE0C	890620	REV3	.20	1.91	2.30	86	104	.10	432	2.20	
16666-M	1890	GE0C	890620	REV3	.20	1.53	2.14	102	143	.12	430	1.49	
16666-N	1980	GE0C	890620	REV3	.43	3.10	2.27	126	92	.12	433	2.46	
16666-O	2070	GE0C	890620	REV3	.21	1.76	2.86	102	167	.11	433	1.71	
16666-P	2160	GE0C	890620	REV3	.30	4.77	2.15	142	64	.06	431	3.34	
16666-Q	2250	GE0C	890620	REV3	.43	3.43	2.32	143	97	.11	431	2.39	
16666-R	2340	GE0C	890620	REV3	.27	1.74	1.53	110	96	.13	432	1.58	
16666-S	2430	GE0C	890620	REV3	.18	1.18	2.21	109	204	.13	430	1.08	
16666-T	2520	GE0C	890620	REV3	.94	10.14	2.41	154	36	.08	430	6.56	
16677-A	2610	GE0C	890620	REV3	.30	1.60	1.66	96	100	.16	435	1.66	
16677-B	2700	GE0C	890620	REV3	.52	3.38	.96	134	38	.13	435	2.51	
16677-C	2790	GE0C	890620	REV3	.44	1.70	1.91	110	124	.21	433	1.54	
16677-D	2890	GE0C	890620	REV3	.54	3.46	2.03	90	53	.13	443	3.81	
16677-E	2970	GE0C	890620	REV3	.26	2.07	1.63	113	89	.11	436	1.82	
16721-A	3049	GE0C	890620	REV3	.48	2.69	1.43	127	67	.15	434	2.11	
16721-B	3082	GE0C	890620	REV3	.56	1.49	.87	136	79	.27	433	1.09	
16677-F	3090	GE0C	890620	REV3	.29	2.50	1.18	130	61	.10	437	1.92	
16721-C	3093	GE0C	890620	REV3	1.75	33.00	1.36	266	109	.05	430	12.40	
16677-G	3150	GE0C	890620	REV3	.28	2.34	1.66	111	79	.11	438	2.09	
16677-H	3240	GE0C	890620	REV3	.32	2.39	1.31	124	68	.12	437	1.92	
16677-I	3330	GE0C	890620	REV3	.38	2.90	1.49	121	62	.12	436	2.38	
16677-J	3420	GE0C	890620	REV3	.28	1.78	1.30	105	76	.14	437	1.69	
16677-K	3510	GE0C	890620	REV3	.36	2.76	1.29	117	54	.12	440	2.35	
16677-L	3630	GE0C	890620	REV3	.30	2.18	1.66	110	83	.12	436	1.98	
16677-M	3720	GE0C	890620	REV3	.32	3.10	1.18	123	47	.09	438	2.51	
16677-N	3780	GE0C	890620	REV3	.35	2.81	1.41	115	58	.11	438	2.43	
16677-O	3900	GE0C	890620	REV3	.26	1.67	1.40	104	87	.14	439	1.60	
16677-P	3990	GE0C	890620	REV3	.24	1.43	1.34	100	93	.14	438	1.43	
16677-Q	4080	GE0C	890620	REV3	.33	1.51	1.77	101	118	.18	441	1.49	
16677-R	4230	GE0C	890620	REV3	.41	2.10	.88	98	41	.16	438	2.14	
16677-S	4320	GE0C	890620	REV3	.34	1.49	1.10	109	80	.19	438	1.36	
16677-T	4410	GE0C	890620	REV3	.36	2.11	1.33	114	72	.15	438	1.84	
6688-A	4500	GE0C	890620	REV3	.56	3.69	1.76	125	60	.13	432	2.93	
6688-B	4590	GE0C	890620	REV3	.57	3.60	1.98	151	83	.14	429	2.37	
6721-D	4604	GE0C	890620	REV3	.13	.21	.64	75	228	.38	385	.28	
6721-E	4613	GE0C	890620	REV3	.14	.33	.73	80	178	.30	435	.41	
6721-F	4625	GE0C	890620	REV3	.38	1.55	1.09	119	83	.20	437	1.30	SAND

GMC Data Report No. 130

Page 2/3

TABLE 10 - ROCK EVAL PYROLYSIS

PAGE 2

OBJECT NUM. 28617

PR 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
6721-F	4625	GE0C	890621	REV3	.41	.46	.31	109	73	.48	412	.42	SHALE
6688-C	4650	GE0C	890620	REV3	.51	3.29	1.80	144	79	.13	430	2.27	
6721-G	4659	GE0C	890620	REV3	.33	.81	.37	106	48	.29	438	.76	GMC Data Report 130
6688-D	4770	GE0C	890620	REV3	1.53	19.08	2.30	180	21	.07	428	10.60	
6688-E	4830	GE0C	890620	REV3	.33	2.32	1.78	130	100	.12	433	1.78	Page 3/3
6688-F	4920	GE0C	890620	REV3	.74	7.71	1.68	150	32	.09	433	5.12	
6688-G	5010	GE0C	890620	REV3	.35	2.52	1.29	111	56	.12	435	2.27	
6688-H	5100	GE0C	890620	REV3	1.80	24.83	2.22	170	15	.07	435	14.59	
6688-I	5220	GE0C	890620	REV3	.53	4.75	1.84	152	58	.10	433	3.12	
6688-J	5310	GE0C	890620	REV3	.69	3.94	1.38	105	36	.15	439	3.74	
6688-K	5400	GE0C	890620	REV3	2.16	18.12	7.19	131	52	.11	439	13.74	
6688-L	5460	GE0C	890620	REV3	.60	7.01	2.61	151	56	.08	433	4.62	
6688-M	5550	GE0C	890620	REV3	.39	3.32	1.73	141	73	.11	431	2.35	
6688-N	5640	GE0C	890620	REV3	.31	2.60	1.50	114	65	.11	434	2.28	
6688-O	5760	GE0C	890620	REV3	.61	6.73	2.36	149	52	.08	434	4.51	
6688-P	5850	GE0C	890620	REV3	1.59	24.08	2.01	205	17	.06	433	11.70	
6688-Q	5940	GE0C	890620	REV3	.60	6.31	2.62	150	62	.09	433	4.18	
6688-R	6000	GE0C	890620	REV3	.48	3.58	1.86	130	67	.12	435	2.75	
6688-S	6120	GE0C	890620	REV3	.53	5.87	2.41	147	60	.08	433	3.98	
6688-T	6180	GE0C	890620	REV3	.45	3.77	2.17	119	68	.11	436	3.15	
6699-A	6270	GE0C	890620	REV3	.34	1.28	1.10	83	71	.21	441	1.53	
6699-B	6390	GE0C	890620	REV3	.36	1.46	.72	92	45	.20	440	1.58	
6699-C	6480	GE0C	890620	REV3	.39	1.78	1.24	102	71	.18	438	1.74	
6699-D	6600	GE0C	890620	REV3	.40	1.75	.98	100	56	.19	440	1.74	
6699-E	6690	GE0C	890620	REV3	.34	1.60	1.08	84	57	.18	441	1.89	
6699-F	6780	GE0C	890620	REV3	.39	1.85	1.27	100	69	.17	438	1.84	
6699-G	6870	GE0C	890620	REV3	.32	1.45	1.09	99	74	.18	438	1.46	
6699-H	6960	GE0C	890620	REV3	.37	1.76	2.07	97	114	.17	438	1.81	
6699-I	7080	GE0C	890620	REV3	.23	1.38	1.47	89	94	.14	439	1.55	
6699-J	7140	GE0C	890620	REV3	.24	1.78	.89	94	47	.12	440	1.89	
6699-K	7230	GE0C	890620	REV3	.15	1.23	.69	84	47	.11	439	1.45	
6699-L	7260	GE0C	890620	REV3	.21	1.28	.64	88	44	.14	441	1.45	
6699-M	7350	GE0C	890620	REV3	.21	1.32	.87	80	52	.14	442	1.65	
6699-N	7440	GE0C	890620	REV3	.20	1.55	1.03	88	58	.11	440	1.76	
6699-O	7530	GE0C	890620	REV3	.21	1.36	.77	89	50	.13	439	1.52	
6699-P	7620	GE0C	890620	REV3	.36	1.90	1.16	100	61	.16	439	1.89	
6699-Q	7680	GE0C	890620	REV3	.45	1.66	.95	100	57	.21	438	1.65	
6699-R	7770	GE0C	890620	REV3	.42	1.56	.98	95	60	.21	440	1.63	
6699-S	7860	GE0C	890620	REV3	.36	1.31	.68	93	48	.22	441	1.40	
6699-T	7950	GE0C	890620	REV3	.30	1.25	.80	86	55	.19	440	1.44	
16710-A	8040	GE0C	890620	REV3	.27	1.34	1.46	83	91	.17	440	1.60	
16710-B	8130	GE0C	890620	REV3	.47	3.07	1.25	111	45	.13	442	2.76	
16710-C	8190	GE0C	890620	REV3	.45	2.19	1.17	106	57	.17	439	2.05	