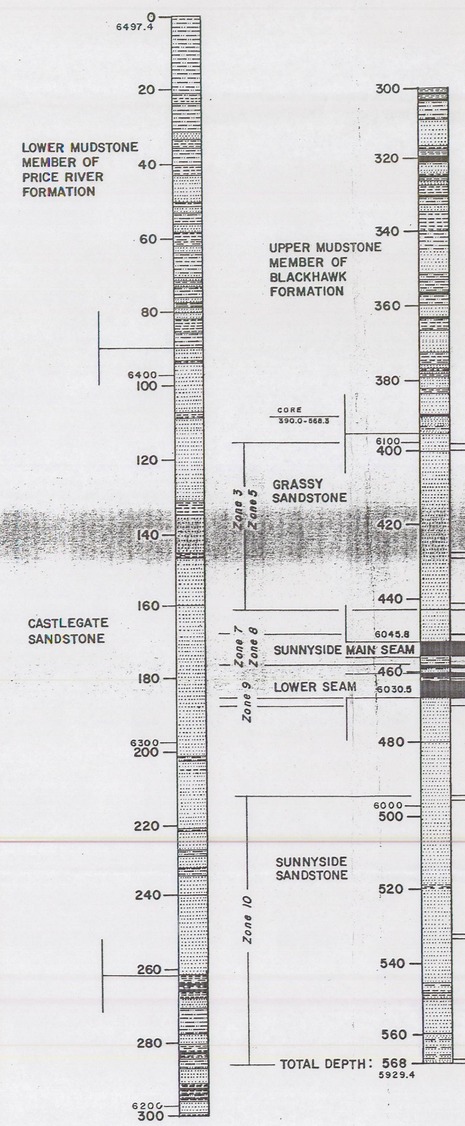
KSC-S-25-80



Interval Tested (Ft.)	Rock Type	Moisture %	Ash %	Btu/lb.	Sulfur Forms % Pyritic	Sulfate	Organic	Total	Neutralization Potential % (as $CaCO_3$)	Acid 2/ Potential	Base 2/ Potential	Acid-Base 2/ Potential	Ph*	*E.C. 1/	Sat. %*	Soluble Cations* (meq/l) Ca	Mg	Na	S.A.R.	Texture Sand %	Silt %	Clay %	EP Toxicity Extraction B 3/	F 3/	As 3/	Cd 3/	Cr 3/	Fe 3/	Pb 3/	Mn 3/	Hg 3/	Mo 3/	Ni 3/	Se 1/	Zn 1/
397.8-399.8	SS				0.12	<0.01	0.07	0.19	2.3	6	23	17	7.2	4.6	22	26.2	42.3	2.3	0.4	85	8	7	3.7	1.2	<0.04	0.10	<0.4	60.9	<0.4	11.5	<0.02	<0.1	0.6	<0.04	1.20
427.7-428.8	SS				0.05	<0.01	0.05	0.10	5.3	3	53	50	7.7	2.3	25	12.7	17.4	1.7	0.4	80	14	6	7.0	1.8	<0.04	0.10	0.4	109	<0.4	12.6	<0.02	<0.1	1.0	<0.04	1.14
440.7-442.7	SS				0.05	<0.01	0.07	0.12	4.5	4	45	41	7.5	3.4	24	25.1	27.4	2.1	0.4	86	9	5	7.0	1.6	<0.04	0.10	0.4	61.6	<0.4	10.6	<0.02	<0.1	0.4	<0.04	1.86
449.7-451.6	SS				0.37	<0.01	0.23	0.64	11.9	20	119	99	7.1	4.4	27	27.8	48.1	2.1	0.3	70	18	12	3.6	2.6	<0.04	0.18	1.0	62.2	1.4	24.0	<0.02	<0.1	2.2	<0.04	3.56
451.6-456.5**	C	3.96	6.43	13,007	0.52	0.01	0.95	1.48																											
456.5-458.0	Ms(CB)				0.27	<0.01	0.23	0.51	23.7	16	237	221	7.2	3.0	27	13.5	27.4	2.8	0.6	57	25	18	5.4	3.8	<0.04	0.12	1.0	66.4	0.8	29.2	<0.02	<0.1	3.6	<0.04	6.06
458.0-458.8**	C	2.70	16.81	11,737				2.72																											
458.8-460.1**	SS, Sltn	1.48	86.35	1,568				0.90																											
460.1-461.2**	C	3.30	13.36	12,027				1.71																											
461.2-461.8**	Ms(C)(CB)	3.46	35.87	8,663				2.27																											
461.8-462.4**	Ms	2.88	75.76	2,703				2.05																											
462.4-466.9**	C	3.63	9.51	12,648	1.08	0.02	0.88	1.98																											
466.9-469.0	SS(CB)				0.03	<0.01	0.04	0.07	0.2	2	2	0	7.3	1.4	26	6.3	9.1	1.7	0.6	89	6	5	1.8	2.2	<0.04	0.10	<0.4	28.6	<0.4	3.2	<0.02	<0.1	1.0	0.04	1.30
494.5-495.6	SS				0.06	<0.01	0.14	0.20	0.6	6	6	0	7.1	2.7	26	15.6	19.1	3.6	0.9	76	16	8	1.4	3.0	<0.04	0.10	0.4	21.4	0.4	2.6	<0.02	<0.1	1.0	<0.04	1.24
532.0-533.2	SS				0.07	<0.01	0.04	0.11	8.9	3	89	86	7.8	2.6	27	10.8	15.8	9.0	2.5	70	23	7	8.0	9.8	<0.04	0.18	1.0	164	2.2	22.8	<0.02	<0.1	1.2	<0.04	2.56
567.2-568.3	SS, Ms(B)				0.30	<0.01	0.05	0.35	13.9	10	139	129	7.6	3.7	28	16.1	19.9	14.5	3.4	46	39	15	17.8	3.8	<0.04	0.20	1.0	476	2.2	39.2	<0.02	<0.1	2.2	<0.04	3.78

1/ mmhos/cm @ 25°C
2/ Tons $CaCO_3$/1,000 tons material.
3/ EP toxicity extraction. Results expressed in ppm of Solid Material.
* From Saturated Paste Procedure.
** CT&E coal analysis-as received.

ROCK TYPE: Sandstone - SS; Siltstone - Sltn; Mudstone - Ms; Coal - C; Carbonaceous - (CB); Oxidized - (O); Burrowed - (B); Coal Blebs - (C)

NOTE: Chemical Analyses performed by Bookcliffs Commercial Laboratories, unless otherwise noted.

NOTE: Zone 5 = Zones 1+2+3
Zone 8 = Zones 6+7
Refer to Plate VI-13

KAISER STEEL CORPORATION
SOUTH LEASE COAL PROPERTY
EMERY COUNTY, UTAH

CHEMICAL ANALYSIS of CORE
Drill Hole: KSC-S-25-80

SCALE: AS SHOWN
DATE: MARCH 1983

PLATE VI-14

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