K- Fording River
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CONFIDENTIAL

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ii) Petrographic Analyses

REFLECTAN. . DATA

SAMPLE No / CCP No	MEAN MAX Ro.	V - TYPES V-7	V-8	V-9	V-10	V-11	V-12	V-13	V-14	V-15	V-16	V-17	V-18	V-19	V-20	VM%	ASH	SUL.
#1756-47101-103 82-042	1.004			24	24	2											7.1	.58
#1756-47107-108 82-043	1.007			21	27	2											15.2	.82
#1756-47111-112 82-044	0.9656		1	41	8												4.0	.62
#1756-47114-116 82-045	1.0948				28	21	1										17.5	.72
#1756-47118-119 82-046	1.0812				33	17											12.4	.62
#1756-47120-121 82-047	1.1358				10	32	8										9.0	.52
#1756-47123-125 & 47464-469 82-048	1.1634				1	42	7										14.7	.52
#1756-~~47470~~-474 82-049 47120-474	1.1658				1	36	13										19.9	.52

CASCADE COAL PETROGRAPHY LIMITED

MACERAL DATA

SAMPLE No. CCP No.	VITRINITE	EXINITE	SEMIFUSINITE	MACRINITE	MICRINITE	FUSINITE	MINERAL MATTER	REACTIVES %	INERTS %	COMPOSITIONAL BALANCE INDEX	STRENGTH INDEX	PREDICTED COKE STABILITY	APPROX. JIS DRUM INDEX
#1756-47101-103 82-042	70.89	2.82	17.37	-	1.17	2.35	5.39	80.64	19.36	0.60	3.68	47	90
#1756-47107-108 82-043	61.55	6.41	13.65	-	1.11	1.95	15.32	78.40	21.60	0.68	3.73	49	90
#1756-4711-112 82-044	72.77	3.14	10.99	-	1.31	2.09	9.68	86.01	13.99	0.41	3.39	36	85
#1756-47114-116 82-045	65.82	2.06	25.23	-	1.14	2.29	3.44	71.35	28.65	1.01	4.14	57	92
#1756-47118-119 82-046	55.69	1.55	18.65	-	1.29	2.59	20.21	74.06	25.94	0.87	4.09	57	92
#1756-47120-121 82-047	57.81	-	16.78	-	1.16	3.26	20.97	76.19	23.81	0.84	4.43	60.5	93
#1756-47123-125 &47464-469 82-048	59.78	-	21.43	-	0.79	2.12	15.87	73.09	26.91	1.01	4.53	61	93
#1756-~~47470~~-474 82-049	50.43	-	19.65	-	1.74	2.84	25.33	67.87	32.03	1.32	4.46	59	92

REFLECTANCE DATA

SAMPLE No / CCP No	MEAN MAX. REFLECTANCE	V - TYPES													VM%	ASH	SUL.
		V-7	V-8	V-9	V-10	V-11	V-12	V-13	V-14	V-15	V-16	V-17	V-18	V-19			
#1751-41528-529 81-125	0.9204		14	36											-	38.9	.56
#1751-41532-533 81-126	0.9404		7	34	9										-	35.4	.61
#1752-41502-503 81-127	0.9140		18	31	1										-	21.1	.54
#1752-41505-506 81-128	0.9502		5	36	9										-	29.7	.69
#1752-41507 81-129	0.9596		4	37	9										-	17.1	.59

CASCADE COAL PETROGRAPHY LIMITED

MACERAL DATA.

SAMPLE No / CCP No	VITRINITE	EXINITE	SEMIFUSINITE	MACRINITE	MICRINITE	FUSINITE	MINERAL MATTER	REACTIVES %	INERTS %	COMPOSITIONAL BALANCE INDEX	STRENGTH INDEX	PREDICTED COKE STABILITY	APPROX. JIS DRUM INDEX
#1751-41528-529 Sem 14L 81-125	52.10	3.50	12.28	-	0.35	2.10	29.64	66.93	33.07	1.31	3.38	40	89
#1751-41532-533 Sem 14 81-126	50.83	3.88	11.45	-	0.18	1.47	32.16	70.07	29.93	1.10	3.59	47	91
#1752-41502-503 Sem 14L 81-127	64.62	4.49	12.88	-	0.61	3.06	14.31	75.76	24.24	0.85	3.39	43	87
#1752-41505-506 Sem 14 81-128	59.31	2.58	12.41	-	0.86	3.44	21.37	70.33	29.67	1.08	3.62	48.5	91
#1752-41507 Sem 14L 81-129	63.01	1.79	13.64	-	1.25	3.23	17.05	75.73	24.27	0.82	3.60	48	91

CASCADE COAL PETROGRAPHY LIMITED

MACERAL DATA

SAMPLE No. CCP No.	VITRINITE	EXINITE	SEMIFUSINITE	MACRINITE	MICRINITE	FUSINITE	MINERAL MATTER	REACTIVES %	INERTS %	COMPOSITIONAL BALANCE INDEX	STRENGTH INDEX	PREDICTED COKE STABILITY	APPROX. JIS DRUM INDEX
#1320-42263-266 81-220	33.72	-	19.24	1.19	1.66	2.61	41.57	46.17	53.83	4.25	4.85	28	85
B seam.													

CASCADE COAL PETROGRAPHY LIMITED

REFLECTANCE DATA

SAMPLE No CCP No	MEAN MAX Ro.	V - TYPES														VM%	ASH	SUL.
		V-7	V-8	V-9	V-10	V-11	V-12	V-13	V-14	V-15	V-16	V-17	V-18	V-19	V-20			
#1320-42263-266 81-220	1.3076					3	18	24	5								60.6	0.14

CASCADE COAL PETROGRAPHY LIMITED

Identification							
Laboratory Number	380	389	390	391	392	412	413
Description	DDH 1658	DDH 1659	DDH 1659	DDH 1659	DDH 1659	DDH 1627	RH 1384
Distribution of Vitrinite Types							
V-6....%							
V-7....%							
V-8....%							5
V-9....%							44
V-10....%		21					43
V-11....%		62	30	6			8
V-12....%	16	17	62	43	5	1	
V-13....%	65		8	49	54	34	
V-14....%	19			2	38	51	
V-15....%					3	14	
V-16....%							
V-17....%							
V-18....%							
Reactive Components							
Total Vitrinite....%	50.5	59.8	69.9	40.9	43.1	42.5	67.2
Reactive Semi-fusinite....%	20.8	6.4	7.6	20.2	15.1	18.3	5.6
Exinite....%	-	2.2	2.1	0.2	-	-	4.6
Total....%	71.3	68.4	79.6	61.3	58.2	60.8	77.4
Inert Components							
Inertodetrinite....%	1.8	2.5	0.1	2.9	2.4	3.5	1.1
Inert Semi-fusinite....%	16.4	18.6	12.9	23.6	26.3	20.4	10.7
Macrinite....%	1.1	0.2	0.6	2.3	0.9	1.9	0.3
Fusinite....%	1.3	0.9	2.7	3.2	5.5	4.2	1.3
Mineral Matter....%	8.1	10.4	4.1	6.7	6.7	9.2	9.2
Total....%	28.7	32.6	20.4	38.7	41.8	39.1	22.6
Petrographic Indices							
Mean Reflectance....%	1.35	1.14	1.22	1.29	1.38	1.43	0.99
Balance Index....	1.62	1.25	0.78	2.23	3.14	3.04	0.74
Strength Index....	5.85	4.33	4.78	5.08	5.89	6.38	3.73
Stability Index....	62	57	62	52	52	54	50

Identification					
Laboratory Number	414	415	416	417	418
Description	RH 1384	RH 1384	RH 1384	RH 1388	RH 1388
Distribution of Vitrinite Types					
V-6....%					
V-7....%					1
V-8....%	1			10	20
V-9....%	11	6	16	65	76
V-10....%	39	56	53	23	3
V-11....%	46	37	31	2	
V-12....%	3	1			
V-13....%					
V-14....%					
V-15....%					
V-16....%					
V-17....%					
V-18....%					
Reactive Components					
Total Vitrinite....%	56.2	66.6	61.9	50.0	55.2
Reactive Semi-fusinite....%	5.5	5.3	4.1	3.5	2.8
Exinite....%	3.9	2.7	2.3	3.9	6.7
Total....%	65.6	74.6	68.3	57.4	64.7
Inert Components					
Inertodetrinite....%	1.5	0.9	0.6	1.3	0.9
Inert Semi-fusinite....%	16.6	13.2	10.2	21.6	13.9
Macrinite....%	0.9	0.5	0.2	1.9	0.5
Fusinite....%	1.4	1.4	1.8	2.0	1.5
Mineral Matter....%	14.0	9.4	18.9	15.8	18.5
Total....%	34.4	25.4	31.7	42.6	35.3
Petrographic Indices					
Mean Reflectance....%	1.08	1.08	1.06	0.96	0.93
Balance Index....	1.35	0.86	1.16	1.90	1.43
Strength Index....	4.04	4.10	3.98	3.25	3.39
Stability Index....	52	57	53	28	38

REFLECTANCE DATA

SAMPLE No / CCP No	MEAN MAX. REFLECTANCE	V-TYPES V-7	V-8	V-9	V-10	V-11	V-12	V-13	V-14	V-15	V-16	V-17	V-18	V-19	VM%	ASH	SUL.
#1320-40123-125 & -42251-252 81-218	1.2348					11	31	8								41.3	0.36
#1320-42256-257 81-219	1.2750					2	28	18	2							50.1	0.19
#1320-42263-266 81-220	SAMPLE N/A															60.6	0.14
#1754-38626-627 81-221 Part 140	0.9154		16	31	3											21.0	0.92
#1754-38628-629 140 81-222	0.9416		9	35	6											37.2	0.66
#1754-38631-632 Seam 14 81-223	0.9682		2	31	17											22.0	0.68
#1754-38633-634 Seam 81-224 14L	0.9808			34	15	1										34.1	0.52
#1754-41715-718 81-225 Seam R4	1.3814						4	24	20	2						11.0	0.34
#1755-41676-679 Seam 13 81-226	0.8964		23	24	3											12.5	0.30
#1755-41682-683 - 81-227 Seam 12	0.9438		7	37	6											10.2	0.57

MACERAL DATA.

SAMPLE No / CCP No	VITRINITE	EXINITE	SEMIFUSINITE	MACRINITE	MICRINITE	FUSINITE	MINERAL MATTER	REACTIVES %	INERTS %	COMPOSITIONAL BALANCE INDEX	STRENGTH INDEX	PREDICTED COKE STABILITY	APPROX. JIS DRUM INDEX
#1320-40123-125 & -42251-252 81-218	39.81	-	27.17	-	1.32	5.85	25.85	51.12	48.88	3.03	4.30	35	91
#1320-42256-257 81-219	33.98	-	27.18	-	1.75	6.41	30.68	45.26	54.74	DATA CONTENT	N/A FOR INERT EXCEEDING		50%
#1320-42263-266 81-220	SAMPLE N/A												
#1754-38626-627 81-221	71.15	2.96	11.07	-	.79	1.19	12.84	78.88	21.12	0.70	3.38	41	85
#1754-38628-629 81-222	52.51	3.41	7.41	-	.60	1.60	34.47	77.04	22.96	0.77	3.51	45	90
#1754-38631-632 81-223	76.92	3.59	7.69	-	.51	2.82	8.46	84.70	15.30	0.45	3.48	39	85
#1754-38633-634 81-224	48.91	2.19	6.16	-	1.19	2.78	38.77	71.49	28.51	1.01	3.74	51	91
#1754-41715-718 81-225	49.70	-	33.79	-	1.59	5.17	9.74	63.46	36.54	2.52	6.04	56.5	92
#1755-41676-679 81-226	64.05	5.79	16.32	-	1.45	3.92	8.47	76.62	23.38	0.81	3.32	41	89
#1755-41682-683 81-227	73.56	3.42	13.85	-	1.08	3.24	4.85	80.90	19.10	0.61	3.46	42	90

REFLECTANCE DATA

SAMPLE No / CCP No	MEAN MAX. REFLECTANCE.	V-TYPES V-7	V-8	V-9	V-10	V-11	V-12	V-13	V-14	V-15	V-16	V-17	V-18	V-19	VM%	ASH	SUL.
#1755-41696-698 81-228	1.0968			1	24	25										40.2	0.60
#1755-47376-379 81-229	1.0416			9	35	6										14.1	0.58
#1755-47381-384 81-230	1.0920			-	31	18	1									24.5	0.44
#1755-47391-394 81-231	1.3244			-	-	-	15	32	2	1						18.8	0.36
#1779-45201-202 81-232	0.9034		26	21	2	-	-									25.7	0.60
#1779-45206-207 81-233	0.9464		2	40	8	-										21.0	0.63
#1778-45231-232 81-234	1.2202					14	36									31.2	0.46
#1778-45233-252 81-235	1.2870					-	29	20	1							17.8	0.34
#1778-45260-271 81-236	1.3082					1	17	30	2							14.7	0.33
#1776-47533-535 81-237	1.0210			16	32	2										32.4	0.69

MACERAL DATA.

SAMPLE No CCP No	VITRINITE	EXINITE	SEMIFUSINITE	MACRINITE	MICRINITE	FUSINITE	MINERAL MATTER	REACTIVES %	INERTS %	COMPOSITIONAL BALANCE INDEX	STRENGTH INDEX	PREDICTED COKE STABILITY	APPROX. JIS DRUM INDEX
#1755-41696-698 81-228	49.55	1.44	14.77	-	1.62	2.88	29.73	62.17	37.83	1.55	3.98	48	91
#1755-47376-379 81-229	68.08	2.34	13.40	-	1.28	5.31	9.57	76.38	23.62	0.76	3.87	52	92
#1755-47381-384 81-230	65.78	2.26	15.41	-	0.94	3.38	12.22	72.23	27.77	0.96	4.11	57	92
#1755-47391-394 81-231	50.00	-	36.05	-	1.72	5.36	6.86	60.00	40.00	2.52	5.31	52	92
#1779-45201-202 81-232	72.13	4.09	6.55	-	1.02	1.43	14.75	77.48	22.52	0.78	3.26	40	90
#1779-45206-207 81-233	75.15	4.44	8.08	-	0.40	1.81	10.10	80.98	19.02	0.60	3.53	44	90
#1778-45231-232 81-234	69.58	-	10.33	-	1.19	4.17	14.71	71.08	28.92	1.24	4.64	60.5	94
#1778-45233-252 81-235	41.06	0.20	39.01	-	1.44	5.13	13.14	56.41	43.59	2.71	4.84	45	91
#1778-45260-271 81-236	51.25	0.55	36.01	-	0.83	4.43	6.92	63.03	36.97	2.16	5.30	54	92
#1776-47533-535 81-237	57.45	2.98	6.78	-	0.81	2.17	29.81	73.51	26.49	0.89	3.82	53	92

CASCADE COAL PETROGRAPHY LIMITED

REFLECTANCE DATA

SAMPLE No / CCP No	MEAN MAX. REFLECTANCE.	V - TYPES													VM%	ASH	SUL.
		V-7	V-8	V-9	V-10	V-11	V-12	V-13	V-14	V-15	V-16	V-17	V-18	V-19			
#1776-47537-542 81-238	1.0430			6	39	5										25.1	0.40
#1776-47546-550 -47576-586 81-239	1.0828			2	31	17										20.1	0.39
#1757-47327 81-240	0.9010		21	29	-	-										20.7	0.77
#1757-47328 81-241	0.9524		6	35	9	-										37.3	0.74
#1757-47330 81-242	1.0268			8	40	2										15.6	0.56
#1757-47331-332 81-243	1.0234			13	35	2										37.5	0.70
#1757-47333-336 81-244	1.0748				36	14										26.0	0.64
#1757-47337-341 81-245	1.1010				23	27										19.3	0.40
#1757-47342-343 81-246	1.1478				8	32	10									20.3	0.46
#1757-47344 81-247	1.1926				5	28	17									15.1	0.96

MACERAL DATA.

SAMPLE No CCP No	VITRINITE	EXINITE	SEMIFUSINITE	MACRINITE	MICRINITE	FUSINITE	MINERAL MATTER	REACTIVES %	INERTS %	COMPOSITIONAL BALANCE INDEX	STRENGTH INDEX	PREDICTED COKE STABILITY	APPROX. JIS DRUM INDEX
#1776-47537-542 81-238	54.78	4.65	17.05	-	2.06	4.91	16.54	67.36	32.64	1.18	3.85	52	92
#1776-47546-550 & -47576-586 81-239	77.93	2.51	10.89	-	0.84	2.23	5.59	82.30	17.70	0.54	3.96	51	91
#1757-47327 81-240	71.87	5.74	8.21	-	1.64	2.46	10.06	79.15	20.85	0.70	3.30	40	85
#1757-47328 81-241	62.11	2.28	6.63	-	1.24	1.86	25.88	76.29	23.71	0.80	3.57	47	90
#1757-47330 81-242	63.02	2.39	14.71	-	1.19	3.98	14.71	75.37	24.63	0.79	3.84	52	92
#1757-47331-332 81-243	55.42	2.25	6.75	-	1.64	3.06	30.88	68.94	31.06	1.10	3.81	52	91
#1757-47333-336 81-244	61.58	0.81	18.49	-	1.02	3.05	15.04	69.21	30.79	1.10	4.00	55	92
#1757-47337-341 81-245	72.07	0.86	13.64	-	1.95	2.81	8.66	75.80	24.20	0.81	4.22	58	92
#1757-47342-343 81-246	48.74	0.63	26.47	-	1.05	3.57	19.54	64.30	35.70	1.51	4.29	53	92
#1757-47344 81-247	63.32	1.54	21.04	-	1.54	4.83	7.72	71.30	28.70	1.13	4.50	60.5	93

REFLECTANCE DATA

SAMPLE No / CCP No	MEAN MAX. REFLECTANCE	V-TYPES V-7	V-8	V-9	V-10	V-11	V-12	V-13	V-14	V-15	V-16	V-17	V-18	V-19	VM%	ASH	SUL.
#1757-47345-347 81-248	1.2496				3	4	30	13								20.3	0.45
#1757-47348 81-249	1.2698					3	33	14								22.3	0.44
#1757-47349-350 81-250	1.3126						22	21	7							15.3	0.43
#1757-47276-279 81-251	1.3626						6	30	14							14.8	0.33
#1757-47280-282 81-252	1.3340						12	33	5							22.6	0.24
#1758-47201-203 81-253	1.0818				31	19										12.9	0.28
#1758-47210-212 81-254	1.200				2	18	30									13.5	0.40
#1758-47214 81-255	1.2916					1	25	24								12.7	0.36
#1758-47215-216 81-256	1.3254						14	32	4							18.0	0.38
#1758-47217-220 81-257	1.2662					10	21	19								35.5	0.44

MACERAL DATA.

SAMPLE No / CCP No	VITRINITE	EXINITE	SEMIFUSINITE	MACRINITE	MICRINITE	FUSINITE	MINERAL MATTER	REACTIVES %	INERTS %	COMPOSITIONAL BALANCE INDEX	STRENGTH INDEX	PREDICTED COKE STABILITY	APPROX. JIS DRUM INDEX
#1757-47345-347 81-248	49.50	-	29.70	-	1.78	7.13	11.88	59.89	40.11	2.18	4.69	49	92
#1757-47348 81-249	43.96	1.08	32.54	-	2.16	7.54	12.72	56.22	43.78	2.60	4.65	44	91
#1757-47349-350 81-250	44.34	-	41.46	-	1.77	5.09	7.32	57.49	42.51	2.74	5.14	48	91
#1757-47276-279 81- 251	46.63	-	39.01	-	2.02	5.83	6.50	58.61	41.39	2.92	5.68	51	91
#1757-47280-282 81-252	48.82	-	28.15	-	2.76	4.52	15.75	60.60	39.40	2.51	5.43	53	92
#1758-47201-206 81-253	74.92	1.63	13.36	-	1.63	2.93	5.54	79.68	20.32	0.64	4.06	54	92
#1758-47210-212 81-254	56.68	0.89	24.96	-	3.03	10.69	3.74	63.36	36.64	1.71	4.43	52	92
#1758-47214 81-255	50.64	-	34.25	-	2.58	9.21	3.31	59.70	40.30	2.37	4.98	50	92
#1758-47215-216 81-256	48.36	-	35.78	-	2.32	5.22	8.32	59.29	40.71	2.61	5.33	51	92
#1758-47217-220 81-257	62.44	-	14.35	-	1.19	4.31	17.70	65.92	34.08	1.72	5.00	56	92

REFLECTANCE DATA

SAMPLE No / CCP No	MEAN MAX. REFLECTANCE	V-TYPES V-7	V-8	V-9	V-10	V-11	V-12	V-13	V-14	V-15	V-16	V-17	V-18	V-19	VM%	ASH	SUL.
#1758-47225 & 47176 81-258	1.3764						5	27	18							15.1	0.38
#1758-47177-178 81-259	1.4434							9	34	7						19.1	0.58
#1765-47129-131 81-260	1.3248						14	33	3							20.3	0.44
#1765-47132-135 81-261	1.3192						18	30	2							12.4	0.34
#1765-47136-137 81-262	1.3488						8	33	9							12.2	0.32
#1300-45156-166 81-263	0.9826		1	29	20											28.1	0.54
#1300-45167-175 & -47501-506 81-264	1.0268			14	32	4										16.4	0.44
#1300-47507-511 81-265	1.0646			4	32	13	1									36.9	0.47
#1300-47512-523 81-266	1.0608			2	40	8										26.5	0.42
#1777-45306-307 81-267	1.2322					14	32	4								23.3	0.38

CASCADE COAL PETROGRAPHY LIMITED

MACERAL DATA.

SAMPLE No / CCP No	VITRINITE	EXINITE	SEMIFUSINITE	MACRINITE	MICRINITE	FUSINITE	MINERAL MATTER	REACTIVES %	INERTS %	COMPOSITIONAL BALANCE INDEX	STRENGTH INDEX	PREDICTED COKE STABILITY	APPROX. JIS DRUM INDEX
#1758-47225 & -47176 81-258	49.44	-	37.86	-	1.78	4.45	6.46	60.87	39.13	2.72	5.85	54	92
#1758-47177-178 81-259	48.59	-	36.55	-	1.61	4.82	8.43	59.39	40.61	3.49	6.40	52	90
#1765-47129-131 81-260	54.45	-	30.15	-	1.30	5.42	8.67	62.80	37.20	2.24	5.42	54	92
#1765-47132-135 81-261	55.27	-	33.54	-	1.45	3.93	5.79	65.74	34.26	1.93	5.38	57	92
#1765-47136-137 81-262	52.84	-	34.32	-	0.84	4.63	7.37	64.74	35.26	2.18	5.72	57	92
#1300-45156-166 81-263	57.78	2.89	11.78	-	1.34	3.56	22.67	70.72	29.28	1.04	3.73	51	91
#1300-45167-175 -47501-506 81-264	67.02	2.14	14.13	-	1.28	2.99	12.42	76.75	23.25	0.74	3.81	52	91
#1300-47507-511 81-265	41.84	0.94	11.82	-	1.65	3.55	40.19	62.43	37.57	1.50	3.85	47	91
#1300-47512-523 81-266	65.58	0.88	13.24	-	1.18	4.41	14.71	71.10	28.90	0.99	3.95	54	92
#1777-45306-307 81-267	49.76	0.48	28.81	-	1.19	7.86	11.90	59.29	40.71	2.12	4.47	47	92

CASCADE COAL PETROGRAPHY LIMITED

REFLECTANCE DATA

SAMPLE No / CCP No	MEAN MAX. REFLECTANCE	V-TYPES V-7	V-8	V-9	V-10	V-11	V-12	V-13	V-14	V-15	V-16	V-17	V-18	V-19	VM%	ASH	SUL.
#1777-45311-312 81-268	1.2380					11	33	6								26.2	0.56
#1759-45281-285 81-269	1.2642					5	31	14								22.0	0.34
#1759-45290-294 81-270	1.2690						40	10								26.2	0.44
#1759-45317-322 81-271	1.3482						11	30	8	1						16.0	0.40
#1759-45323-324 81-272	1.3678						6	27	16	1						11.7	0.52
#1327-40309-314 81-273	1.3130						19	28	3							32.5	0.34
#1327-42468-474 & -40315-318 81-274	1.2896						29	21								11.8	0.26

MACERAL DATA.

SAMPLE No CCP No	VITRINITE	EXINITE	SEMIFUSINITE	MACRINITE	MICRINITE	FUSINITE	MINERAL MATTER	REACTIVES %	INERTS %	COMPOSITIONAL BALANCE INDEX	STRENGTH INDEX	PREDICTED COKE STABILITY	APPROX. JIS DRUM INDEX
#1777-45311-312 81-268	57.04	0.48	13.84	-	1.67	5.73	21.24	67.59	32.41	1.50	4.73	57	92
#1759-45281-285 81-269	52.13	0.67	23.15	-	2.69	7.86	13.48	61.55	38.45	2.07	4.79	52	92
#1759-45290-294 81-270	48.97	-	17.28	-	2.47	6.58	24.69	62.30	37.70	2.01	4.75	51	92
#1759-45317-322 81-271	45.72	-	34.45	-	2.50	6.89	10.44	58.26	41.74	2.83	5.47	51	91
#1759-45323-324 81-272	46.69	-	33.08	-	2.84	9.83	7.56	58.38	41.62	3.01	5.75	51	92
#1327-40309-314 81-273	45.15	-	29.34	-	3.84	8.13	13.54	52.31	47.69	3.37	4.97	41	91
#1327-42468-474 -40315-318 81-274	46.95	-	35.21	-	2.35	5.87	9.62	60.74	39.26	2.26	4.99	51	92

REFLECTANCE DATA

SAMPLE No / CCP No	MEAN MAX. REFLECTANCE	V-TYPES V-7	V-8	V-9	V-10	V-11	V-12	V-13	V-14	V-15	V-16	V-17	V-18	V-19	V_M%	ASH	SUL.
#1322-42276-283 81-163	0.9996			20	30										-	31.7	.48
#1322-42289-293 81-164	1.0078			20	30										-	51.4	.50
#1322-42295-297 -300 81-165	1.0244			15	29	6									-	41.3	.44
#1322-42376-380 81-166	1.1424			8	11	10	18	3							-	28.3	.39
#1760-43451-462 81-167	1.241					10	32	8							-	20.5	.36
#1760-43463-474 81-168	1.2468					9	33	8							-	34.9	.42
#1760-43264-270 81-169	1.3044					3	21	21	5						-	18.8	.40
#1760-43272-274 81-170	1.3324					1	15	23	10	1					-	29.4	.35
#1761-40051-063 81-171	1.2722					3	29	17	1						-	13.8	.39
#1761-40071-075 81-172	1.2602					7	32	11							-	41.6	.34

MACERAL DATA.

SAMPLE No / CCP No	VITRINITE	EXINITE	SEMIFUSINITE	MACRINITE	MICRINITE	FUSINITE	MINERAL MATTER	REACTIVES %	INERTS %	COMPOSITIONAL BALANCE INDEX	STRENGTH INDEX	PREDICTED COKE STABILITY	APPROX. JIS DRUM INDEX
#1322-42276-283 81-163	59.88	0.81	17.51	0.61	1.22	1.83	18.13	67.22	32.78	1.20	3.75	50	91
#1322-42289-293 81-164	40.06	2.31	5.76	-	0.29	0.58	51.01	65.17	34.83	1.32	3.70	47	91
#1322-42295-297-300 81-165	57.03	0.76	15.02	-	0.76	1.14	25.29	65.20	34.80	1.33	3.79	49	91
#1322-42376-380 81-166	47.97	-	25.7	0.64	1.07	7.28	17.34	65.74	34.26	1.44	4.24	53	92
#1760-43451-462 81-167	51.73	-	32.18	0.74	1.24	5.69	8.42	60.59	39.14	2.06	4.62	49	92
#1760-43463-474 81-168	50.20	-	27.56	0.20	0.59	4.13	17.32	58.21	41.79	2.29	4.55	46	91
#1760-43264-270 81-169	49.22	-	36.24	0.39	0.58	4.65	8.91	60.38	39.62	2.65	5.14	49	92
#1760-43272-274 81-170	48.24	-	33.4	0.37	0.93	5.38	11.69	65.73	34.27	1.98	5.73	58	93
#1761-40051-063 81-171	63.03	-	25.86	-	0.81	3.43	6.87	71.10	28.90	1.39	5.13	61	93
#1761-40071-075 81-172	41.81	-	17.77	-	-	5.58	34.84	56.73	43.27	2.48	4.58	44	91

REFLECTANCE DATA

SAMPLE No / CCP No	MEAN MAX. REFLECTANCE.	V - TYPES													VM%	ASH	SUL.
		V-7	V-8	V-9	V-10	V-11	V-12	V-13	V-14	V-15	V-16	V-17	V-18	V-19			
#1761-40292-294 81-173	1.3588					1	8	24	17						-	16.0	.48
#1761-41299-300 -43226-231 81-174	1.3252					3	11	33	3						-	28.3	.32
#1761-43240-244 81-175	1.3464						8	30	12						-	24.0	.36
#1763-41894-896 81-176	1.3676						5	26	19						-	17.5	.46
#1763-41901-907 81-177	1.3438						11	29	10						-	17.8	.38
#1764-41790-794 81-178	1.3162						22	22	6						-	17.2	.40
#1764-41826-834 81-179	1.3202						19	25	6						-	22.7	.40
#1764-41835-840 81-180	1.318						15	32	3						-	31.5	.32
#1764-43278-281 81-181	1.2114				1	20	27	2							-	60.2	.34
#1764-43284-288 81-182	1.3512					1	11	24	14						-	19.0	.43

CASCADE COAL PETROGRAPHY LIMITED

MACERAL DATA.

SAMPLE No / CCP No	VITRINITE	EXINITE	SEMIFUSINITE	MACRINITE	MICRINITE	FUSINITE	MINERAL MATTER	REACTIVES %	INERTS %	COMPOSITIONAL BALANCE INDEX	STRENGTH INDEX	PREDICTED COKE STABILITY	APPROX. JIS DRUM INDEX
#1761-40292-294 81-173	44.61	-	41.59	-	1.13	4.16	8.51	58.29	41.71	2.95	5.67	51	91
#1761-40299-300 -43226-231 81-174	40.91	-	32.21	-	0.79	4.35	21.74	55.85	44.15	3.26	5.58	48	91
#1761-4324-244 81-175	43.83	-	32.26	-	0.95	3.42	19.55	58.98	41.02	2.83	5.61	51	92
#1763-41894-896 81-176	44.58	-	42.36	-	0.49	5.17	7.39	57.32	42.68	3.18	5.67	50	91
#1763-41901-907 81-177	43.96	-	36.45	-	0.91	3.87	14.81	59.46	40.54	2.70	5.54	52	92
#1764-41790-794 81-178	50.20	-	38.46	-	1.01	3.85	6.48	61.05	38.95	2.36	5.24	52	92
#1764-41826-834 81-179	49.5	-	34.65	-	1.98	3.37	10.50	59.78	40.22	2.52	5.28	52	92
#1764-41835-840 81-180	41.84	-	29.08	-	1.46	6.69	20.92	54.03	45.97	3.21	5.13	44	91
#1764-43278-281 81-181	40.75	-	12.88	-	0.47	3.28	42.62	52.91	47.09	2.65	4.17	37	91
#1764-43284-288 81-182	50.88	-	35.24	-	0.44	3.74	9.69	62.14	37.86	2.44	5.59	54	92

REFLECTANCE DATA

SAMPLE No / CCP No	MEAN MAX. REFLECTANCE.	V-TYPES V-7	V-8	V-9	V-10	V-11	V-12	V-13	V-14	V-15	V-16	V-17	V-18	V-19	VM%	ASH	SUL.
#1770-43358-365 81-183	1.2938					4	26	15	5						-	41.7	.25
#1771-42271-274 43401-407-409 -412 81-184	1.3136						19	29	2						-	39.9	.34
#1773-43203-213 81-185	1.2984						28	19	3						-	27.0	.23
#1773-43218-225 -43351-353 81-186	1.3238						14	34	2						-	27.2	.24
#[illegible]750-47476 81-187	0.9398		7	38	5										-	14.4	.79
#[illegible]750-47477 81-188	0.956		6	33	11										-	21.2	.96
#[illegible]750-47479-481 81-189	1.0096			19	29	2									-	23.6	.48
#[illegible]750-47482 81-190	1.04			6	40	4									-	31.9	.54
#[illegible]750-47483 81-191	1.0446			10	30	10									-	14.1	1.05
#[illegible]750-47484 81-192	1.062			4	36	10									-	9.8	.60

MACERAL DATA.

SAMPLE No CCP No	VITRINITE	EXINITE	SEMIFUSINITE	MACRINITE	MICRINITE	FUSINITE	MINERAL MATTER	REACTIVES %	INERTS %	COMPOSITIONAL BALANCE INDEX	STRENGTH INDEX	PREDICTED COKE STABILITY	APPROX. JIS DRUM INDEX
#1770-43358-365 81-183	48.03	-	24.45	0.45	1.53	3.93	21.62	55.45	44.55	2.80	4.83	44	91
#1771-42271-274 43401-407-409-412 81-184	51.77	-	22.96	-	0.84	1.88	22.55	60.11	39.89	2.44	5.20	51.5	92
#1773-43203-213 81-185	51.36	-	29.23	-	1.46	7.31	10.65	58.38	41.62	2.53	4.97	49.5	91
#1773-43218-225 -43351-353 81-186	45.70	-	31.08	-	1.83	4.94	16.45	57.16	42.84	2.82	5.21	49	91
#1750-47476 81-187	71.81	2.64	10.55	-	1.22	5.68	8.11	78.04	21.96	0.73	3.71	49.5	91
#1750-47477 81-188	69.38	2.52	11.24	-	1.94	3.29	11.63	75.57	24.43	0.83	3.59	48	90
#1750-47479-481 81-189	63.93	2.06	11.4	-	1.12	2.61	18.88	74.92	25.08	0.83	3.79	52	91
#1750-47482 81-190	55.41	2.70	11.00	-	0.97	3.47	26.45	69.37	30.63	1.07	3.86	52	91
#1750-47483 81-191	71.56	3.01	13.37	-	1.51	3.58	6.97	78.43	21.57	0.68	3.90	53	91
#1750-47484 81-192	58.24	3.02	25.52	-	2.55	4.87	5.80	70.02	29.98	1.05	3.95	54	92

REFLECTANCE DATA

SAMPLE No / CCP No	MEAN MAX. REFLECTANCE	V-TYPES V-7	V-8	V-9	V-10	V-11	V-12	V-13	V-14	V-15	V-16	V-17	V-18	V-19	VM%	ASH	SUL.
#1750-47485-487 81-193	1.085			2	32	16									-	31.9	.62
#1750-47489-492 81-194	1.1474				13	27	10								-	17.4	.48
#1750-47495 81-195	0.9434		8	36	6										-	19.7	.46
#1750-47496 81-196	1.0324			6	42	2									-	14.3	.66
#1750-47500 +47451 81-197	1.0638			1	37	12									-	15.1	.75
#1750-47452-455 81-198	1.127				12	34	4								-	25.3	.46
#1750-47457 81-199	1.17				3	32	15								-	14.8	.76
#1750-47458-459 81-200	1.1948				1	22	27								-	35.1	.40
#1750-47460-461 81-201	1.2636				2	6	24	18							-	23.6	.36
#1775-40368-372 81-202	1.2852					3	25	21	1						-	35.4	.40

MACERAL DATA.

SAMPLE No / CCP No	VITRINITE	EXINITE	SEMIFUSINITE	MACRINITE	MICRINITE	FUSINITE	MINERAL MATTER	REACTIVES %	INERTS %	COMPOSITIONAL BALANCE INDEX	STRENGTH INDEX	PREDICTED COKE STABILITY	APPROX. JIS DRUM INDEX
#1750-47485-487 81-193	64.34	0.75	10.00	-	1.13	3.96	19.81	70.47	29.53	1.05	4.03	55	92
#1750-47489-492 81-194	45.05	1.17	34.95	-	1.74	6.41	10.68	58.60	41.40	1.90	4.06	44	91
#1750-47495 81-195	70.45	3.33	11.35	-	0.59	0.98	13.31	79.82	20.18	0.65	3.48	43	90
#1750-47496 81-196	69.23	2.37	16.77	-	1.78	2.96	6.90	76.50	23.50	0.74	3.82	52	91
#1750-47500 -47451 81-197	57.97	0.99	25.89	-	2.19	4.38	8.57	67.74	32.26	1.17	3.96	53	91
#1750-47452-455 81-198	50.62	0.62	20.66	-	1.44	2.89	23.76	65.69	34.31	1.38	4.25	54	90
#1750-47457 81-199	47.62	-	32.38	-	2.09	4.00	13.90	62.26	37.74	1.70	4.32	51	92
#1750-47458-459 81-200	45.77	-	15.18	-	1.74	3.69	33.63	61.98	38.02	1.80	4.40	51	92
#1750-47460-461 81-201	43.81	-	34.77	-	2.75	6.29	12.38	55.10	44.90	2.70	4.64	43	91
#1775-40369-372 81-202	40.29	-	35.68	-	0.86	3.60	19.57	52.40	47.60	3.16	4.71	39	91

REFLECTANCE DATA

SAMPLE No / CCP No	MEAN MAX. REFLECTANCE.	V - TYPES													VM%	ASH	SUL.
		V-7	V-8	V-9	V-10	V-11	V-12	V-13	V-14	V-15	V-16	V-17	V-18	V-19			
#1753-38678 81-203	0.9164 /		17	30	3										-	58.3	.54
#1753-38680 81-204	0.947 /		8	35	7										-	13.7	.74

CASCADE COAL PETROGRAPHY LIMITED

MACERAL DATA.

SAMPLE No CCP No	VITRINITE	EXINITE	SEMIFUSINITE	MACRINITE	MICRINITE	FUSINITE	MINERAL MATTER	REACTIVES %	INERTS %	COMPOSITIONAL BALANCE INDEX	STRENGTH INDEX	PREDICTED COKE STABILITY	APPROX. JIS DRUM INDEX
#1753-38678 81-203 170.1 - 176.6	44.95	1.08	6.02	-	0.86	2.37	44.73	59.41	40.59	1.81	3.03	24	85
#1753-38680 81-204 297.7 - 299.8	82.64	3.31	6.34	-	1.01	2.20	4.41	85.11	14.89	0.45	3.34	35	85

REFLECTANCE DATA

SAMPLE No / CCP No	MEAN MAX. REFLECTANCE.	V-TYPES V-7	V-8	V-9	V-10	V-11	V-12	V-13	V-14	V-15	V-16	V-17	V-18	V-19	VM%	ASH	SUL.
PET#419 RH 1592 81-103 R-13	1.026			14	31	5										27.2	0.46
PET#420 RH 1592 81-104 R-12	1.066			1	41	8										16.3	0.50
PET#421 RH 1592 81-105 RH1	1.065			1	37	12										32.8	0.42
PET#422 RH 1588 81-106 R-12	1.047			6	36	8										30.4	0.56
PET#423 RH 1588 81-107 RH2	1.098				26	24										30.0	0.50

CASCADE COAL PETROGRAPHY LIMITED

MACERAL DATA.

SAMPLE No / CCP No	VITRINITE	EXINITE	SEMIFUSINITE	MACRINITE	MICRINITE	FUSINITE	MINERAL MATTER	REACTIVES %	INERTS %	COMPOSITIONAL BALANCE INDEX	STRENGTH INDEX	PREDICTED COKE STABILITY	APPROX. JIS DRUM INDEX
PET#419 81-103	60.05	1.90	11.41	-	0.81	1.36	24.46	74.09	25.91	0.86	3.86	53	91
PET#420 81-104	65.30	1.78	21.17	-	1.02	2.55	8.16	73.47	26.53	0.88	3.96	55	91
PET#421 81-105	56.88	0.45	18.28	-	0.67	1.80	21.89	66.66	33.34	1.23	3.94	52	91
PET#422 81-106	53.30	1.22	12.47	-	0.48	3.91	28.60	68.52	31.48	1.13	3.90	53	91
PET#423 81-107	55.97	1.85	15.12	-	0.79	3.97	22.28	67.64	32.36	1.21	4.09	54	92

CASCADE COAL PETROGRAPHY LIMITED

REFLECTANCE DATA

SAMPLE No / CCP No	MEAN MAX. REFLECTANCE	V-TYPES V-7	V-8	V-9	V-10	V-11	V-12	V-13	V-14	V-15	V-16	V-17	V-18	V-19	VM%	ASH	SUL.
RH#1384-43851-53+ "H m 1" 43900 81-030 8'AT 422'	1.0336			7	40	3									-	17.2	0.61
#1384-43857-63 "H" 81-031 14' AT 559'	1.0340			10	35	5									-	34.7	0.42
#1388-43846-48 81-032 6' AT 180'	0.9086		18	31	1										-	28.9	0.56
#1388-43752-54 81-033 6' AT 303'	0.8764		37	13	-										-	34.1	0.44

MACERAL DATA.

SAMPLE No / CCP No	VITRINITE	EXINITE	SEMIFUSINITE	MACRINITE	MICRINITE	FUSINITE	MINERAL MATTER	REACTIVES %	INERTS %	COMPOSITIONAL BALANCE INDEX	STRENGTH INDEX	PREDICTED COKE STABILITY	APPROX. JIS DRUM INDEX
RH#1384-43851-53 + SEAM-F HM1 43900 81-030 8' @ 422'	68.54	2.80	14.60	-	0.84	3.37	9.83	76.51	23.49	0.74	3.84	52	91
RH#1384-43857-63 SEAM-H 81-031 14' @ 559'	59.52	2.38	12.96	-	1.85	2.64	20.63	67.70	32.30	1.17	3.84	51.5	91
RH#1388-43846-48 81-032 6' @ 180'	50.71	2.37	13.98	-	1.42	2.61	28.91	68.41	31.59	1.23	3.35	41	85
RH#1388-43752-54 81-033 6' @ 303'	54.74	7.86	12.19	-	0.81	2.44	21.95	69.57	30.43	1.20	3.06	35	85

REFLECTANCE DATA

SAMPLE No / CCP No	MEAN MAX. REFLECTANCE.	V-TYPES V-7	V-8	V-9	V-10	V-11	V-12	V-13	V-14	V-15	V-16	V-17	V-18	V-19	VM%	ASH	SUL.
DDH#1303-39052 81-020 4' AT 110'	0.8146	13	34	3											-	7.6	0.68
#1303-39053 81-021 8' AT 272'	0.8704	6	27	17											-	17.5	0.65
#1303-39055-56 81-022 12' AT 446'	0.9020		24	26											-	11.5	0.56
#1303-39057 81-023 4.5' AT 544.5'	0.9064		23	25	2										-	24.3	0.81
#1303-39061062 81-024 5'8 6' AT 887'8 910'	0.9782		2	31	17										-	18.2	0.59
#1303-39063-65 SEAM-16 81-025 24' AT 978'	1.0532			5	34	11									-	16.1	0.59
#1303-39069 81-026 5.5' AT 1314'	1.0798				31	19									-	8.9	0.62
#1303-39070-74 SEAM-10 81-027 43' AT 1457'	1.1476				8	32	10								-	20.4	0.30
#1303-39075+38501-04 SEAM-12 17' AT 1665', 8 81-028 12' AT 1700'	1.2104				1	17	31	1							-	20.1	0.44
RH#1384-43887-95 " I" 81-029 18/20' AT 380'	0.9842			29	21										-	25.8	0.41

1980 hole ?

MACERAL DATA.

SAMPLE No / CCP No	VITRINITE	EXINITE	SEMIFUSINITE	MACRINITE	MICRINITE	FUSINITE	MINERAL MATTER	REACTIVES %	INERTS %	COMPOSITIONAL BALANCE INDEX	STRENGTH INDEX	PREDICTED COKE STABILITY	APPROX. JIS DRUM INDEX
DDH#1303-39052 81-020 4' @ 110'	77.01	6.20	9.85	-	0.72	1.82	4.38	86.54	13.46	0.44	2.83	21	75
DDH#1303-39053 81-021 8' @ 272'	62.36	7.02	12.92	-	0.84	2.24	14.60	77.97	22.03	0.71	3.14	37	82
DDH#1303-39055-56 81-022 12' @ 446'	62.77	5.43	18.47	-	1.90	2.44	8.96	76.40	23.60	0.83	3.30	41	85
DDH#1303-39057 81-023 4.5' @ 544.5'	67.54	4.26	7.87	-	0.32	1.96	18.03	78.65	21.35	0.72	3.29	40	85
DDH#1303-39061-62 81-024 5' & 6' AT 887' & 910'	68.15	3.34	12.47	-	0.66	2.00	13.36	78.57	21.43	0.69	3.62	47	90
DDH#1303-39063-65 SEAM-6 81-025 24' @ 978'	65.99	3.81	17.76	-	0.76	3.80	7.86	74.89	25.11	0.83	3.98	55	92
DDH#1303-39069 81-026 5.5' @ 1314'	62.26	2.69	26.68	-	1.07	3.23	4.04	73.13	26.87	0.92	4.12	57	92
DDH#1303-39070-74 SEAM-10 81-027 43' @ 1457'	51.98	1.54	30.84	0.66	0.88	4.18	9.91	62.94	37.06	1.60	4.24	51	92
DDH#1303-39075+38501-04 SEAM-7, 17' @ 1665' & 12' @ 1700' 81-028	53.84	0.45	24.66	0.45	1.58	2.94	16.06	66.28	33.72	1.53	4.55	55	92
RH#1384-43887-05 SEAM-I 81-029 18/20' @ 380'	59.15	2.23	15.84	-	0.99	2.72	19.06	70.77	29.23	1.03	3.74	51	90

REFLECTANCE DATA

SAMPLE No / CCP No	MEAN MAX. REFLECTANCE.	V - TYPES													VM%	ASH	SUL.
		V-7	V-8	V-9	V-10	V-11	V-12	V-13	V-14	V-15	V-16	V-17	V-18	V-19			
1382-38962-965 SEAM-K 81-009 7' @ 310'	0.9260	-	14	31	5										-	13.6	0.68
1382-38876-881 SEAM-I 81-010 12' @ 568'	0.9986	-	1	24	24	1									-	10.9	0.43
1382-38889-895 SEAM-HM1 81-011 14' @ 623'	1.0098	-	-	20	29	1									-	17.6	0.61
1306-35618-620 SEAM-M 81-012 6' @ 524'	0.8402	4	43	3	-	-									-	10.6	0.50
1306-35652-658 14' @ 599' 81-013 SEAM-L	0.8832	1	29	20	-	-									-	18.0	0.38
1315-38814-818 SEAM-M 81-014 12' @ 709'	0.8530	4	35	11	-	-									-	5.8	0.55
1315-38824-836 SEAM-L 81-015 8' & 18' @ 832'	0.8716	2	31	17	-	-									-	21.3	0.59
1316-44773-775 & 44651-660 81-016 SEAM-L @ 654'	0.8782	-	34	15	1	-									-	8.0	0.42
1338-37209-214 SEAM-L 81-017 12' @ 77'	0.8818	-	32	18	-	-									-	24.3	0.61
1338-37218-222 SEAM-K 81-018 10' @ 209'	0.9014	-	25	25	-	-									-	28.2	0.49
1338-37261-265 SEAM-I 81-019 10' @ 434'	1.0160	-	-	18	28	4									-	16.2	0.49

MACERAL DATA.

SAMPLE No CCP No	VITRINITE	EXINITE	SEMIFUSINITE	MACRINITE	MICRINITE	FUSINITE	MINERAL MATTER	REACTIVES %	INERTS %	COMPOSITIONAL BALANCE INDEX	STRENGTH INDEX	PREDICTED COKE STABILITY	APPROX. JIS DRUM INDEX
1382-38962-965 SEAM- K 81-009 7' @ 310'	73.08	2.16	8.41	0.24	0.48	1.68	13.94	83.82	16.18	0.50	3.30	36	84
1382-38876-881 SEAM-I 81-010 12' @ 568'	61.51	3.21	19.53	-	0.58	2.04	13.11	77.02	22.98	0.74	3.71	49.5	91
1382-38889-895 SEAM- HM1 81-011 14' @ 623'	73.23	1.86	12.86	0.62	1.03	1.66	8.71	78.49	21.51	0.68	3.72	49	91
1306-35618-620 SEAM M. 81-012 6' @ 524'	75.00	5.19	9.15	-	0.99	2.23	7.42	84.61	15.39	0.51	2.89	25	79
1306-35652-658 SEAM-L 81-013 14' @ 599'	72.17	4.07	13.13	-	0.68	1.80	8.14	79.10	20.90	0.71	3.18	37	82
1315-38814-818 SEAM-M 81-014 12' @709'	78.54	5.18	10.61	-	0.71	2.12	2.83	86.82	13.18	0.42	2.92	23	78
1315-38824-836 SEAM-L 81-015 8'&18' @ 812'	71.13	4.16	12.47	-	0.92	1.62	9.69	77.70	22.30	0.78	3.16	37	81
1316-44773-775 & 44651-660 SEAM-L 81-016 26' @ 654'	68.85	4.28	17.14	-	1.42	3.14	5.14	79.40	20.60	0.71	3.15	36	81
1338-37209-214 SEAM-L 81-017 12' @ 77'	68.35	3.29	15.60	-	1.09	1.76	9.89	73.94	26.06	0.96	3.20	39	82
1338-37218-222 SEAM-K. 81-018 10' @ 209'	60.89	4.19	9.44	-	0.78	2.09	22.57	74.56	25.44	0.91	3.30	41	82
1338-37261-265 SEAM-I 81-019 10' @ 434'	59.68	3.39	23.75	-	1.59	2.59	8.98	71.05	28.95	1.01	3.84	53	91

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Book 2 of 3

CONFIDENTIAL

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iii) Fluidity and Dilatation Tests Part I.

Continued see Book 3

SAMPLE: No. R.N. 1300 45156-166

tie in with other samples

South Greenhills

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.3	409
MAXIMUM	243.4	447
FINAL	25	465
	RANGE =	56

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
434	501	49	25	0.977

SAMPLE: 111 R# 1300 45167-175 & 47501-506

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.0	402
MAXIMUM	414.2	434
FINAL	2.6	458
	RANGE = 56	

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
430	534	56	81	1.020

SAMPLE: 112 R.N. 1300 47507-511

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.4	415
MAXIMUM	20.8	446
FINAL	1.8	462
	RANGE =	47

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
442	486	51	-42	0.671

SAMPLE: 1/2 [illegible] H. 1300 47512-523

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.1	391
MAXIMUM	94.2	423
FINAL	1.0	446
	RANGE =	55

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
437	526	53	15	0.951

LAKE MITN.

SAMPLES #7 R.H. 1320 40123-125 & 42251-252

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START		
MAXIMUM		
FINAL		
	RANGE =	

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
411	—	19	—	—

SAMPLE: 48 R.H. 1320 42256-257

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START		
MAXIMUM		
FINAL		
	RANGE =	

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
429	—	12	—	—

SAMPLE: 49 RH 1320 42263-266

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START		
MAXIMUM		
FINAL		
	RANGE =	

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
—	—	—	—	—

SAMPLE: A1 RH 1322 42276-283

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1	408
MAXIMUM	18	443
FINAL	0	458
	RANGE =	50

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
407	464	44	-37	0.597

SAMPLE: #2 R.H 1322 42289-293

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START		
MAXIMUM		
FINAL		
	RANGE =	

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
402	511	31	-29	0.437

SAMPLE: 3 R.H 1322 42295-300

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.1	397
MAXIMUM	3.1	420
FINAL	0.3	433
	RANGE =	36

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
389	511	51	-25	0.716

SAMPLE: #4 R.H. 1322 42376-380

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.1	437
MAXIMUM	1.9	451
FINAL	0	465
	RANGE =	28

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
410	—	37	0	0

SAMPLE: 100 R.H. 1327 40309-314

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START		
MAXIMUM		
FINAL		
	RANGE =	

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
504	—	15	—	—

SAMPLE: 121 R.U. 1327 42468-474 ; 40315-318

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START		
MAXIMUM		
FINAL		
	RANGE =	

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
504	—	41	—	—

SAMPLE #5 D.D.H. 1750 47460-461

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START		
MAXIMUM		
FINAL		
	RANGE =	

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
424	—	32	—	—

44 D.D.H. 1750 4745B-459

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.1	416
MAXIMUM	184.1	456
FINAL	1.6	478
	RANGE =	62

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
395	522	44	−2	0.455

AMPLE: 43 D.D.H. 1750 47457

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.2	417
MAXIMUM	144.9	450
FINAL	1.9	478
	RANGE = 61	

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
400	532	43	−21	0.708

SAMPLE: 42 D.D.H. 1750 47452-455

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.3	417
MAXIMUM	188.6	447
FINAL	1.1	472
	RANGE = 55	

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
382	519	53	42	0.983

SAMPLE: 41 D.D.H. 1750 47500 : 47451

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.5	411
MAXIMUM	718.2	447
FINAL	1.1	471
	RANGE =	60

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
377	538	51	132	1.084

SAMPLE: 40 D.D.H. 1750 47496

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.0	421
MAXIMUM	11.4	447
FINAL	1.7	463
	RANGE =	42

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
387	532	53	-39	0.491

SAMPLE: 39 D.D.H 1750 47495

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.3	404
MAXIMUM	1140.0	444
FINAL	1.7	470
	RANGE = 66	

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
367	527	53	66	1.020

SAMPLE: 38 D.D.H. 1750 47489-492

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.0	429
MAXIMUM	2.9	448
FINAL	1.5	458
	RANGE =	29

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
382	524	29	−27	0.186

SAMPLE: 37 D.D.H 1750 47485-487

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.4	406
MAXIMUM	920	445
FINAL	1.4	466
	RANGE =	60

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
393	487	49	−20	0.797

SAMPLE : D.D.H 1750 47484

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.3	412
MAXIMUM	317.1	447
FINAL	1.7	472
	RANGE =	60

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
378	506	44	34	0.982

SAMPLE: 35 D.D.H 1750 47483

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.1	405
MAXIMUM	558.9	446
FINAL	2.8	472
	RANGE =	67

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
371	468	61	169	1.057

34 D.D.H. 1750 47482

D

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.3	410
MAXIMUM	268.8	446
FINAL	1.5	469
	RANGE =	59

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
375	484	47	37	0.985

SAMPLE: 53 D.D.H. 1750 47479-481

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.3	412
MAXIMUM	312.4	446
FINAL	1.3	471
	RANGE =	59

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
387	520	49	61	1.016

[illegible] D.D.H. 1750 47477

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.0	404
MAXIMUM	1006.3	441
FINAL	1.3	470
	RANGE =	66

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
375	517	58	176	1.087

SAMPLE: 31 D.D.H. 1750 47476

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.1	417
MAXIMUM	8.4	446
FINAL	1.7	459
	RANGE = 42	

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
376	494	53	1.42	0.183

SAMPLE: 57 D.D.H 1754 41715 - 718

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.0	434
MAXIMUM	2.5	444
FINAL	1.0	469
	RANGE =	35

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
406	500	34	−32	0.226

SAMPLE: 56 D.D.H. 1754 38633-634

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.0	399
MAXIMUM	101.2	442
FINAL	22.0	457
	RANGE =	58

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
369	523	47	−20	0.700

SAMPLE: 55 D.D.H. 1754 38631-632

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START		
MAXIMUM		
FINAL		
	RANGE =	

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
367	517	56	131	1.073

SAMPLE: 54 D.D.H 1754 38628-629

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START		
MAXIMUM		
FINAL		
	RANGE =	

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
406	—	42	—	—

SAMPLE: 53 D.D.H. 1754 38626-627

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.3	408
MAXIMUM	182.8	441
FINAL	1.8	463
	RANGE =	55

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
396	479	44	-12	0.857

SAMPLE: 58 D.D.H. 1755 41676-679

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.0	406
MAXIMUM	310.6	441
FINAL	1.7	464
	RANGE =	58

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
368	489	27	-14	0.692

SAMPLE: 59 D.D.N. 1755 41682-683

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.4	411
MAXIMUM	287.3	445
FINAL	1.5	470
	RANGE =	59

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
373	534	51	47	0.993

SAMPLE: 60 D.D.H 1755 41696-698

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.0	408
MAXIMUM	210.3	450
FINAL	1.6	425
	RANGE =	67

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
387	513	32	-14	0.736

SAMPLE: 61 D.D.H 1755 47376- 379

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.0	408
MAXIMUM	464.2	446
FINAL	1.4	472
	RANGE =	64

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
366	535	47	147	1.107

SAMPLE: 62 D.D.H 1755 47381-384

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.0	409
MAXIMUM	920.4	445
FINAL	2.2	474
	RANGE =	65

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
366	467	58	181	1.067

SAMPLE: 63 D.D.H. 1755 47391-394

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.1	447
MAXIMUM	1.8	456
FINAL	1.5	460
	RANGE =	13

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
414	—	31	—	—

SAMPLE: 133 DDH 1756 47101-103

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.0	381
MAXIMUM	358.7	420
FINAL	1.8	447
	RANGE = 66	

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
431	529	53	83	1.023

SAMPLE: 124 D 2 A 1756 47104

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.3	~~
MAXIMUM	21.4	445
FINAL	2.1	459
	RANGE =	43

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
455	488	42	-41	0.256

SAMPLE: 135 D.D.H 1756 47105

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.1	415
MAXIMUM	125.8	449
FINAL	1.2	470
	RANGE =	55

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
436	511	46	-25	0.789

SAMPLE: 136 D.D.H. 1756 47106

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.2	393
MAXIMUM	297.8	415
FINAL	2.5	444
	RANGE = 71	

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
430	504	47	42	0.994

SAMPLE: 137 D.D #1756 47107-10B

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.2	391
MAXIMUM	2557.3	438
FINAL	2.3	416
	RANGE =	77

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
422	502	37	107	1.044

SAMPLE: 138 D.D.H 1756 4710

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.0	425
MAXIMUM	819.4	444
FINAL	8.1	470
	RANGE =	66

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
428	466	63	132	1.015

SAMPLE: 139 D.D.H. 1756 47111 - 112

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.1	401
MAXIMUM	14303.1	440
FINAL	1.9	477
	RANGE = 76	

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
422	469	66	193	1.027

SAMPLE: 140 D.D.H 1756 47113

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.2	401
MAXIMUM	1003.1	431
FINAL	7.3	466
	RANGE =	65

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
428	518	58	159	1.046

SAMPLE: 141 D.D.H. 1756 47114-116

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.0	404
MAXIMUM	831.9	445
FINAL	2.9	475
	RANGE = 71	

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
428	469	63	146	1.018

SAMPLE: 142 D.D.H. 1756 47117

GIESELER FLUIDITY TESTS		
	DDPM	TEMP (°C)
START		
MAXIMUM		
FINAL		
	RANGE =	

ASH IS TOO HIGH

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
H28	480	37	63	1.015

SAMPLE: 143 D.D.H 1756 47118-119

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.2	379
MAXIMUM	452.8	417
FINAL	2.4	452
	RANGE =	73

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
436	492	54	54	1.000

SAMPLE: 144 D.D.H 1756 47120-121

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.2	402
MAXIMUM	1771.0	450
FINAL	1.6	479
	RANGE =	77

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
422	473	69	197	1.028

SAMPLE: 145 D.D.H. 1756 47123-125 ; 47464-469

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.2	413
MAXIMUM	507.6	448
FINAL	1.1	482
	RANGE =	69

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
434	469	64	129	1.013

SAMPLE: 146 D.D.H 1756 47470-474

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.1	415
MAXIMUM	364.0	450
FINAL	1.6	479
	RANGE =	64

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
451	506	22	-19	0.560

SAMPLE: 147 D.D.H. 1756 47475

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.0	395
MAXIMUM	287.6	430
FINAL	1.4	462
	RANGE =	77

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
436	476	58	51	0.997

SAMPLE: 148 D.D.H 1756 47351-354

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START		
MAXIMUM		
FINAL		
	RANGE =	

ASH IS TOO HIGH

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
476	—	14	—	—

SAMPLE: 152 D.D.H. 1756 47355-362
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GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.3	434
MAXIMUM	299.5	460
FINAL	1.0	489
	RANGE =	55

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
386	498	44	-17.	0.777

SAMPLE: 153 D.D.H 1756 47076-080

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.0	440
MAXIMUM	1.9	453
FINAL	1.3	460
	RANGE =	20

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
441	—	22	—	—

SAMPLE: 95 22 H.1757 47284

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.0	409
MAXIMUM	229.5	445
FINAL	1.5	472
	RANGE =	63

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
439	537	47	41	.993

SAMPLE: 80 D.D.H. 1757 47326

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START		
MAXIMUM		
FINAL		
	RANGE =	

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
385	475	41	54	1.025

SAMPLE: B1 D.D.H. 1757 47327

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START		
MAXIMUM		
FINAL		
	RANGE =	

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
361	500	34	237	1.138

SAMPLE: 82 D.D.H 1757 47328

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.1	400
MAXIMUM	1438.7	439
FINAL	1.2	470
	RANGE =	70

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
.361	500	54	127	1.070

SAMPLE: 83 D.D.H. 1757 47330

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.3	403
MAXIMUM	548.2	438
FINAL	1.3	465
	RANGE =	62

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
375	523	46	108	1.071

SAMPLE: 84 D.D.H. 1759 47331-332

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.2	400
MAXIMUM	1002.7	440
FINAL	2.8	469
	RANGE =	69

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
375	469	51	149	1.058

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iii) Fluidity and Dilatation Tests Part II
Continued

SAMPLE: BS D.D.H. 1757 47333-336

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.2	415
MAXIMUM	346.2	447
FINAL	1.4	471
	RANGE =	56

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
377	522	49	44	0.991

SAMPLE: 86 D.D.H. 1757 47337-341

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.3	413
MAXIMUM	257.3	449
FINAL	1.0	474
	RANGE =	61

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
380	528	59	54	0.993

SAMPLE: 87 D.D.H. 1757 47342-343

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.0	416
MAXIMUM	447.2	449
FINAL	1.9	476
	RANGE =	60

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
377	474	44	24	0.968

SAMPLE: 88 D.D.H 1757 47344

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.0	382
MAXIMUM	1142.4	427
FINAL	2.1	463
	RANGE =	81

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
371	469	47	212	1.080

SAMPLE: 89 D.D.H. 1757 47345 - 347

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.2	439
MAXIMUM	2.2	448
FINAL	1.3	463
	RANGE =	24

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
409	516	31	-29	0.447

SAMPLE: 90 D.D.H. 1757 47348

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.0	435
MAXIMUM	1.9	447
FINAL	1.1	454
	RANGE =	19

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
400	—	34	—	—

SAMPLE: 91 D D N 1757 47349 - 350

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.0	445
MAXIMUM	1.2	447
FINAL	1.1	453
	RANGE =	8

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
402	—	29	—	—

SAMPLE: 92 D.D.M. 1757 47276-279

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START		
MAXIMUM		
FINAL		
	RANGE =	

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
411	—	39	—	—

SAMPLE: 93 D.D.H. 1757 47280 - 282

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.3	410
MAXIMUM	45.0	439
FINAL	1.2	464
	RANGE =	54

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
403	—	34	—	—

SAMPLE: 94 D.D.H. 1757 47283

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.1	424
MAXIMUM	454.2	457
FINAL	1.8	481
	RANGE =	57

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
—	—	—	—	—

SAMPLE: 96 D.D.H 1758 47201-206

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.1	419
MAXIMUM	31.4	448
FINAL	2.0	465
	RANGE = 46	

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
439	509	64	-12	.880

SAMPLE: 97 D.D.H. 1758 47210-212

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START		
MAXIMUM		
FINAL		
	RANGE =	

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
454	—	8	—	—

SAMPLE: 98 D.D.H 1758 47214

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START		
MAXIMUM		
FINAL		
	RANGE =	

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
506	—	32	—	—

SAMPLE: 99 D.D.H 1758 47215-216

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START		
MAXIMUM		
FINAL		
	RANGE =	

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
520	—	34	—	—

SAMPLE: 100 D.D.H 1758 47217-220

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.1	408
MAXIMUM	17.4	445
FINAL	1.1	463
	RANGE =	55

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
457	523	53	-42	0.115

SAMPLE: 101 D.D.H. 1758 47225 & 47176

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START		
MAXIMUM		
FINAL		
	RANGE =	

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
513	—	34	—	—

SAMPLE: 102 D.D.H. 1758 47177-178

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.0	444
MAXIMUM	1.7	457
FINAL	1.2	465
	RANGE = 21	

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
527	—	37	—	—

SAMPLE: 103 D.D.H. 1758 47179

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.0	405
MAXIMUM	1157.4	454
FINAL	2.1	484
	RANGE = 79	

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
428	520	71	190	1.046

SAMPLE: 104 D.D.#1. 1758 47181

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.0	428
MAXIMUM	109.5	463
FINAL	1.3	485
	RANGE = 57	

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
451	518	44	-27	0.776

SAMPLE: 116 R+I 1759 45281-285

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.1	446
MAXIMUM	1.0	449
FINAL	1.0	449
	RANGE =	3

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
.506	—	37	—	—

SAMPLE: 117 R H 1759 45290-294

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.1	429
MAXIMUM	39.7	460
FINAL	2.2	479
	RANGE = 49	

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
471	503	37	-34	0.447

SAMPLE: 118 R.H. 1759 45 317-322

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.1	430
MAXIMUM	1.2	436
FINAL	1.1	439
	RANGE = 9	

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
520	—	29	—	—

SAMPLE: 119 R.H.1759 45303-304

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.2	433
MAXIMUM	46	448
FINAL	10	470
	RANGE =	37

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
465	512	36	-34	0.373

SAMPLE: #5 R.H. 1760 43451-462

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.3	440
MAXIMUM	1.6	453
FINAL	0	460
	RANGE =	20

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
411	—	24	-	—

SAMPLE: #6 R.H. 1760 43463-474

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.2	422
MAXIMUM	3.6	436
FINAL	0	441
	RANGE =	19

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
414	535	34	-31	0.266

SAMPLE: 7 R.N. 1760 43264-270

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.0	431
MAXIMUM	4.7	454
FINAL	0	471
	RANGE =	40

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	T.C.%	M.D.%	G. NO.
—	—	—	—	—

SAMPLE: #8 R.H 1760 43272-274

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.0	433
MAXIMUM	3.4	450
FINAL	0	472
	RANGE =	39

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
425	—	29	—	—

SAMPLE: #9 R.H. 1761 40051-063

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.0	446
MAXIMUM	1.2	453
FINAL	0	460
	RANGE =	14

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
443	—	31	—	—

AMPLE: # 10 R.H. 1761 40071-075 & 40276

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.3	407
MAXIMUM	28.9	448
FINAL	2.0	468
	RANGE =	61

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
422	469	20	-19	0.327

SAMPLE: 11 RH. 1761 40292-294

GIESELER FLUIDITY TEST		
	DDPM	TEMP. (°C)
START		
MAXIMUM		
FINAL		
	RANGE =	

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
437	—	25	—	—

SAMPLE: 12 R.H. 1761 40299-300 ; 43226-231

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.0	441
MAXIMUM	1.7	448
FINAL	0	461
	RANGE =	20

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
425	—	25	-	—

SAMPLE: 13 RH. 1761 43240-244

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.1	446
MAXIMUM	2.7	460
FINAL	0	466
	RANGE =	20

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
—	—	—	—	—

LE: 14 R.H. 1761 43250

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START		
MAXIMUM		
FINAL		
	RANGE =	

SAMPLE HAS DISAPPEARED ?!!
SO SORRY

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
391	521	31	98	1.080

SAMPLE: #15 R.H. 1763 41852-861

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START		
MAXIMUM		
FINAL		
	RANGE =	

SAME AS 14

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
410	—	34	—	—

SAMPLE: 16 R.H. 1763 41863-867

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START		
MAXIMUM		
FINAL		
	RANGE =	

SAME AS 14115

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
—	—	—	—	—

SAMPLE: 17 R.H. 1763 41894-896

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START		
MAXIMUM		
FINAL		
	RANGE =	

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
432	—	24	—	—

SAMPLE: 18 RH. 1763 41901-907

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START		
MAXIMUM		
FINAL		
	RANGE =	

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
427	—	20	—	—

SAMPLE: 19 R.H. 1764 41790-794

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START		
MAXIMUM		
FINAL		
	RANGE =	

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
—	—	—	—	—

SAMPLE: 20 R H 1764 41826-834

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START		
MAXIMUM		
FINAL		
	RANGE =	

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
414	—	36	—	—

SAMPLE: 21 R.H. 1764 41835-840

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.0	446
MAXIMUM	1.5	455
FINAL	1.0	465
	RANGE =	19

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
438	—	22	—	—

SAMPLE: 22 R.H 1764 43278-281

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START		
MAXIMUM		
FINAL		
	RANGE =	

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
415	—	2	—	—

SAMPLE: 23 R.H. 1764 43284-288

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START		
MAXIMUM		
FINAL		
	RANGE =	

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
424	—	25	—	—

SAMPLE: 107 DDH 1765 47129-131

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.0	430
MAXIMUM	1.2	433
FINAL	1.0	439
	RANGE =	9

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
507	—	36	—	—

SAMPLE: 108 D.D.H. 1765 47132 - 135

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.2	435
MAXIMUM	3.4	451
FINAL	1.3	463
	RANGE =	28

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
502	—	47	—	—

SAMPLE: 109 D.D.H. 1765 47136-137

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.1	439
MAXIMUM	3.4	451
FINAL	1.4	465
	RANGE = 26	

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
463	504	40	-37	0.479

SAMPLE: 188 D.D.H. 1767 47027

R1 Lwr block

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.4	431
MAXIMUM	394.9	457
FINAL	1.7	484
	RANGE =	53

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
406	497	42	-39	0.269

SAMPLE: 187 D.D.H. 1767 47026

Lower block

RL

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.2	408
MAXIMUM	1191.2	454
FINAL	1.5	484
	RANGE =	76

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
383	481	63	176	1.057

SAMPLE: 186 D.D.H. 1767 47051

RJ

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.1	392
MAXIMUM	2884.2	454
FINAL	1.3	486
	RANGE =	94

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
376	471	66	217	1.064

SAMPLE: 185 D.D.H 1767 47372

RHL

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.0	432
MAXIMUM	18.8	462
FINAL	1.1	475
	RANGE =	43

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
352	—	51	—	—

SAMPLE: 184 D.D.H 1767 47371

RHW

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.1	443
MAXIMUM	6.8	463
FINAL	1.9	473
	RANGE =	30

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
413	—	46	—	—

SAMPLE: 24 R.H 1770 43358-365

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.1	423
MAXIMUM	2.6	447
FINAL	1.3	460
	RANGE =	37

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
456	—	7	—	—

SAMPLE: 25 RH 1771 42271-274 ; 43401-412

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.0	432
MAXIMUM	4.0	456
FINAL	1.4	468
	RANGE =	36

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
414	—	31	—	—

SAMPLE: 26 R.H. 1773 43203-213

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START		
MAXIMUM		
FINAL		
	RANGE =	

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
416	—	32	—	—

SAMPLE: 27 RH 1773 43218-225 # 43351-353

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.0	442
MAXIMUM	1.8	450
FINAL	1.2	463
	RANGE =	21

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
478	—	5	—	—

SAMPLE: 77 R.H 1776 47533-537

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.2	406
MAXIMUM	611.5	443
FINAL	1.8	469
	RANGE =	63

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
371	513	41	17	0.938

SAMPLE: 7B R.H 1776 47537-542

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.1	403
MAXIMUM	261.8	440
FINAL	2.0	460
	RANGE =	57

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
378	473	47	-10	0.853

SAMPLE: 79 R.H. 1776 47546·586

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.4	414
MAXIMUM	629.6	447
FINAL	1.2	476
	RANGE =	62

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
381	488	59	161	1.061

SAMPLE: 114 R.N. 1777 45306-307

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.0	429
MAXIMUM	2.1	444
FINAL	1.0	450
	RANGE =	31

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
461	—	22	—	—

SAMPLE: 115 R.H. 1777 45306-307

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.2	414
MAXIMUM	246.3	455
FINAL	1.2	475
	RANGE =	61

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
446	503	51	41	0.994

SAMPLE: 70 R.H. 1778 45233-252

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.0	445
MAXIMUM	1.3	451
FINAL	1.0	457
	RANGE =	12

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
412	—	31	—	—

SAMPLE: 71 R.H. 1778 45260 - 271

GIESELER FLUIDITY TESTS		
	DDPM	TEMP. (°C)
START	1.2	436
MAXIMUM	2.5	449
FINAL	1.4	461
	RANGE =	25

DILATATION TEST				
S.T. (°C)	M.D.T. (°C)	M.C.%	M.D.%	G. NO.
405	—	34	—	—