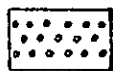
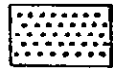


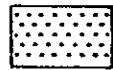
LITHOLOGIC
LEGEND
to
GAMMA-RAY LOGS



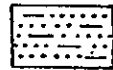
Conglomerate or pebbles



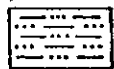
Sandstone, coarse-grained



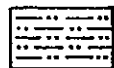
Sandstone, fine-grained



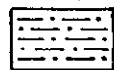
Sandstone, silty



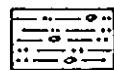
Siltstone, sandy



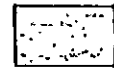
Siltstone



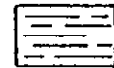
Siltstone, shaly



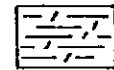
Siltstone, concretionary



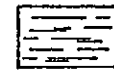
Shale, silty



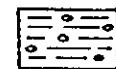
Shale, fissile



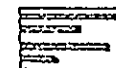
Shale, carbonaceous



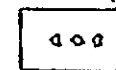
Shale, calcareous



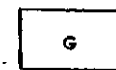
Shale, concretionary



Coal



Breccia



Glauconite

CONFIDENTIAL

CONFIDENTIAL

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PR-CCK 71(3)A

PEACE RIVER AREA COAL LICENCE LOCATIONS

SCALE 1 INCH TO 10 MILES

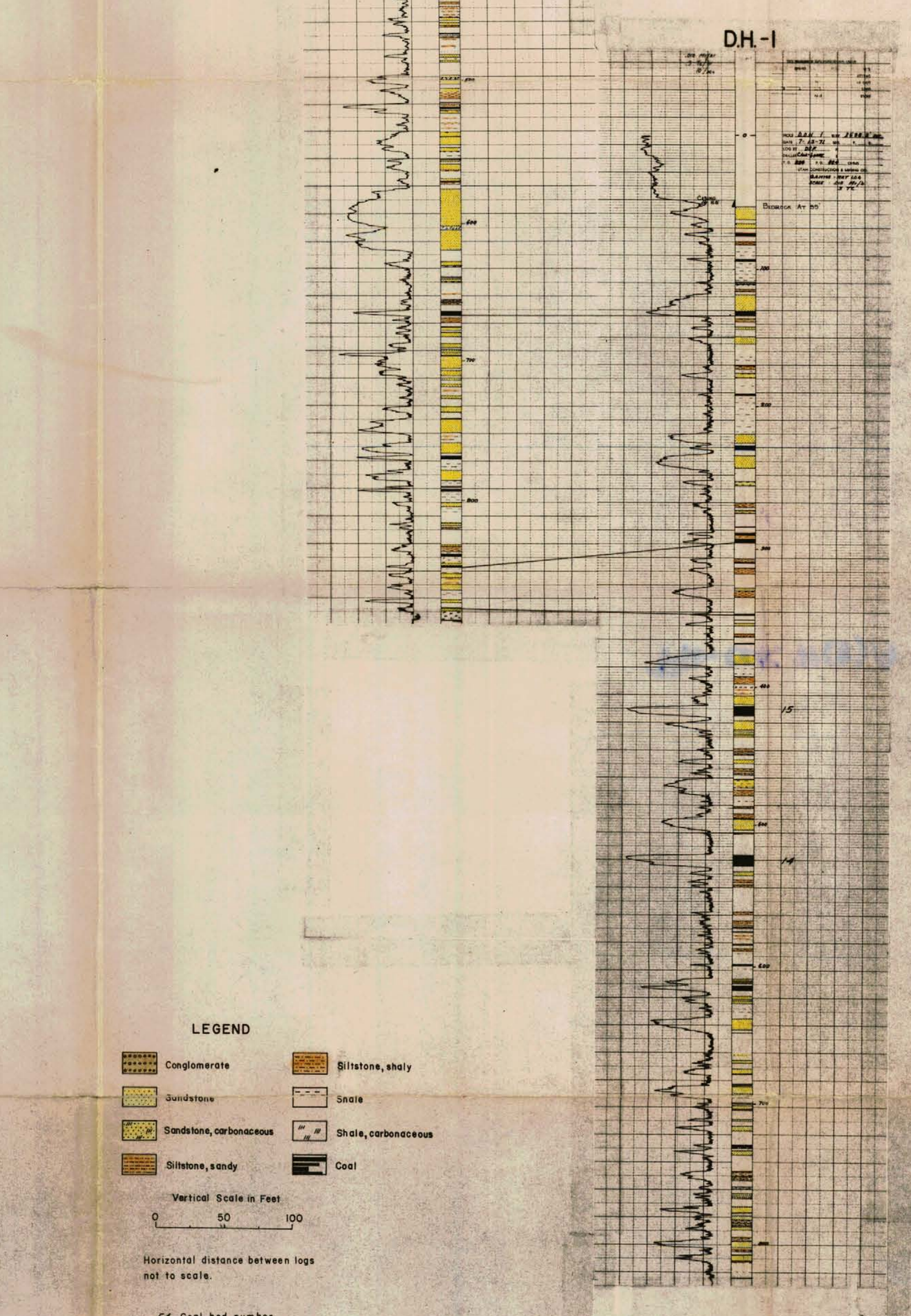
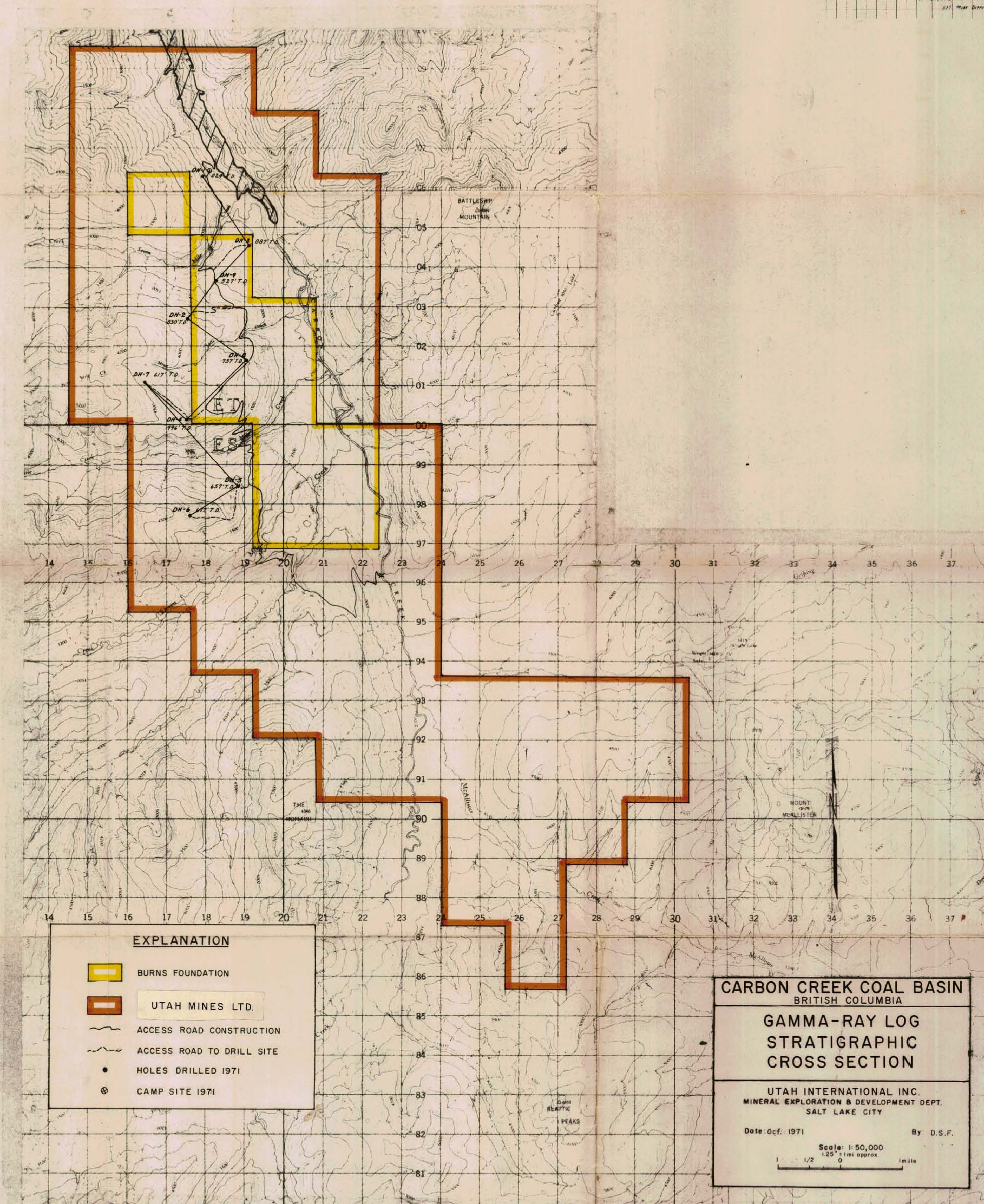
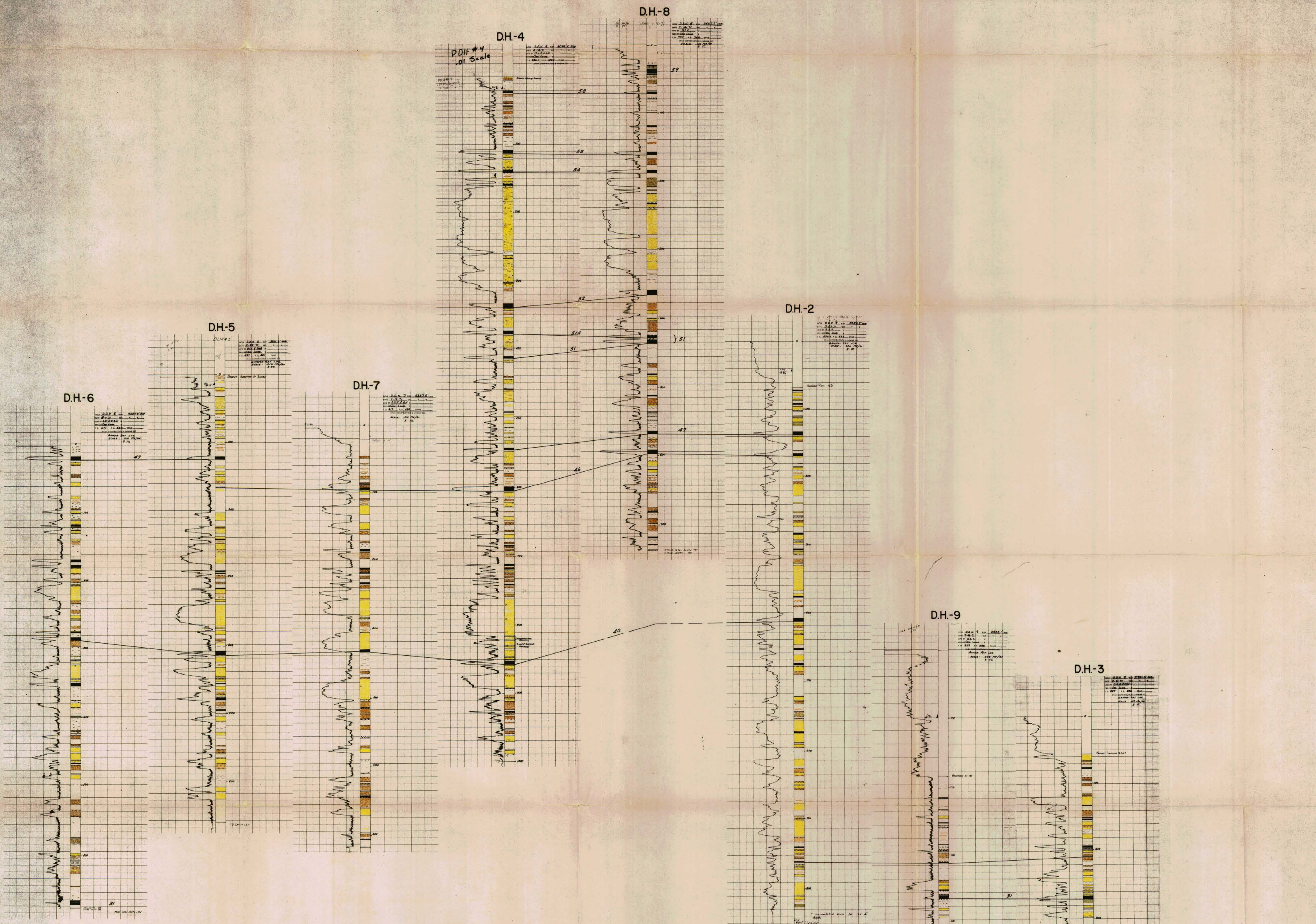
LICENCES APPLICATIONS

- ① MASTER EXPLORATIONS LTD.
- ② ASTON RESOURCES LTD.
- ③
- ④ BRAMEDA RESOURCES LTD.
- ⑤ BRAMEDA RESOURCES LTD.
- TECK CORPORATION LTD.
- ⑥
- ⑦ CINNABAR PEAK MINES LTD.
- ⑧ QUINTETTE COAL LTD., SAXON COAL
LTD., BELCOURT COAL LTD.
- ⑨ HOGAN MINES LTD.
- ⑩ NICKEL HILL MINES LTD.
- ⑪ McINTYRE PORCUPINE MINES LTD.
- ⑫ PINE PASS COAL CO. LTD.
- ⑬ UTAH MINES LTD.
- ⑭ CANADA WEST PETROLEUMS LTD.
- ⑮ HOGAN MINES LTD.
- TEXACAL RESOURCES LTD.
- ⑯ AYRSHIRE COAL COMPANY INC. (AMAX)

NOTE - POSITIONS ARE APPROXIMATE ONLY



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PR-COR 71(C)A



495
PR-CK 7(C)A



LEGEND

- Fault
- - - Fault, position indefinite
- - - Fault, inferred
- - - Dotted where concealed by younger sediments
- - - Contact, dashed where indefinite
- - - Coal bed, dashed where indefinite
- - - Coal bed, lateral extent unknown
- X UTM measured dip & strike
- X Trend (measurement) or Burn
- X¹⁰ Measured coal thickness

Note: Refer to composite section for stratigraphy

**CARBON CREEK
BRITISH COLUMBIA**

**GEOLOGIC MAP
OF A PART OF THE
CARBON CREEK COAL BASIN**

UTAH INTERNATIONAL INC.
MINERAL EXPLORATION & DEVELOPMENT DEPT.
SALT LAKE CITY

Date: Feb. 1972 By: D.S.F.

Scale: 1" = 1000'

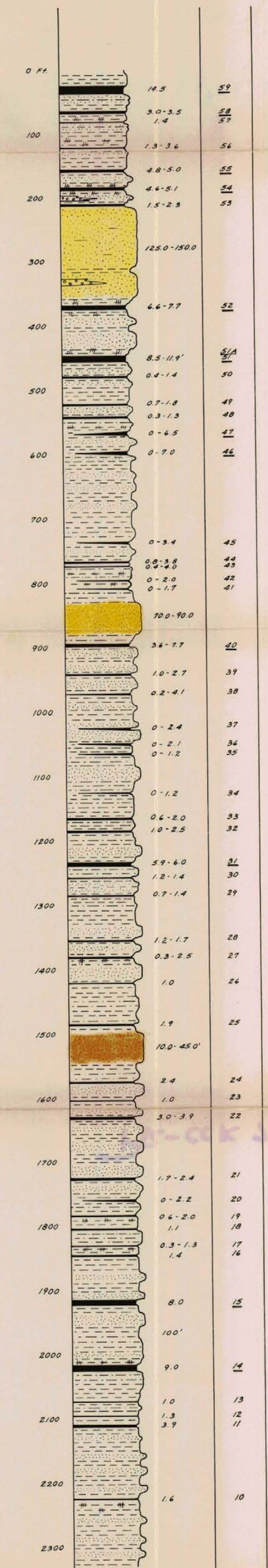
0 1000' 2000' 3000'

PLATE 4

495
PR-CCR 7102A

COMPOSITE STRATIGRAPHIC SECTION
GETHING FORMATION

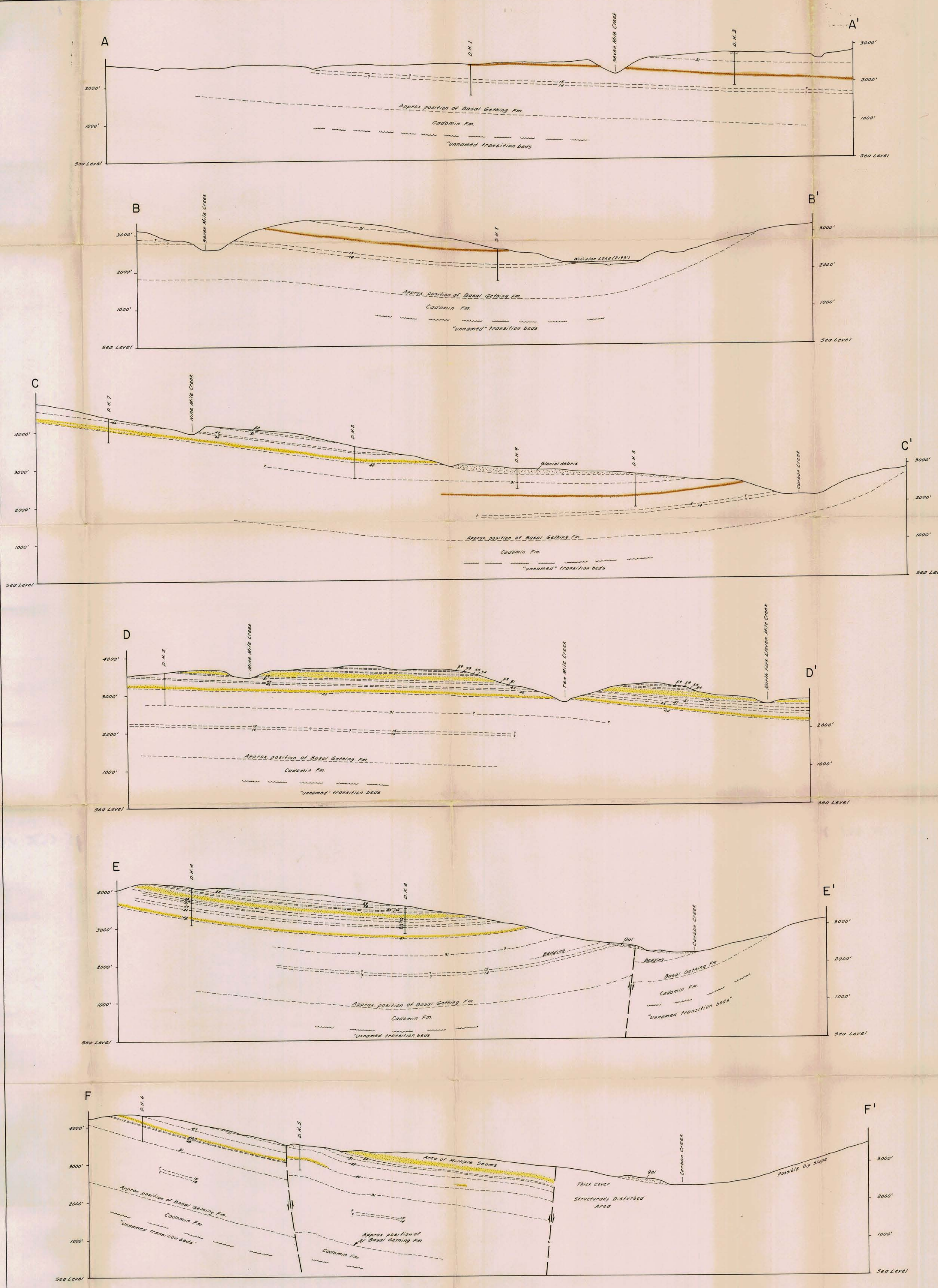
COAL
LITHOLOGY THICKNESS COAL
IN FEET BED No.



Feb 1972 By D.O.B

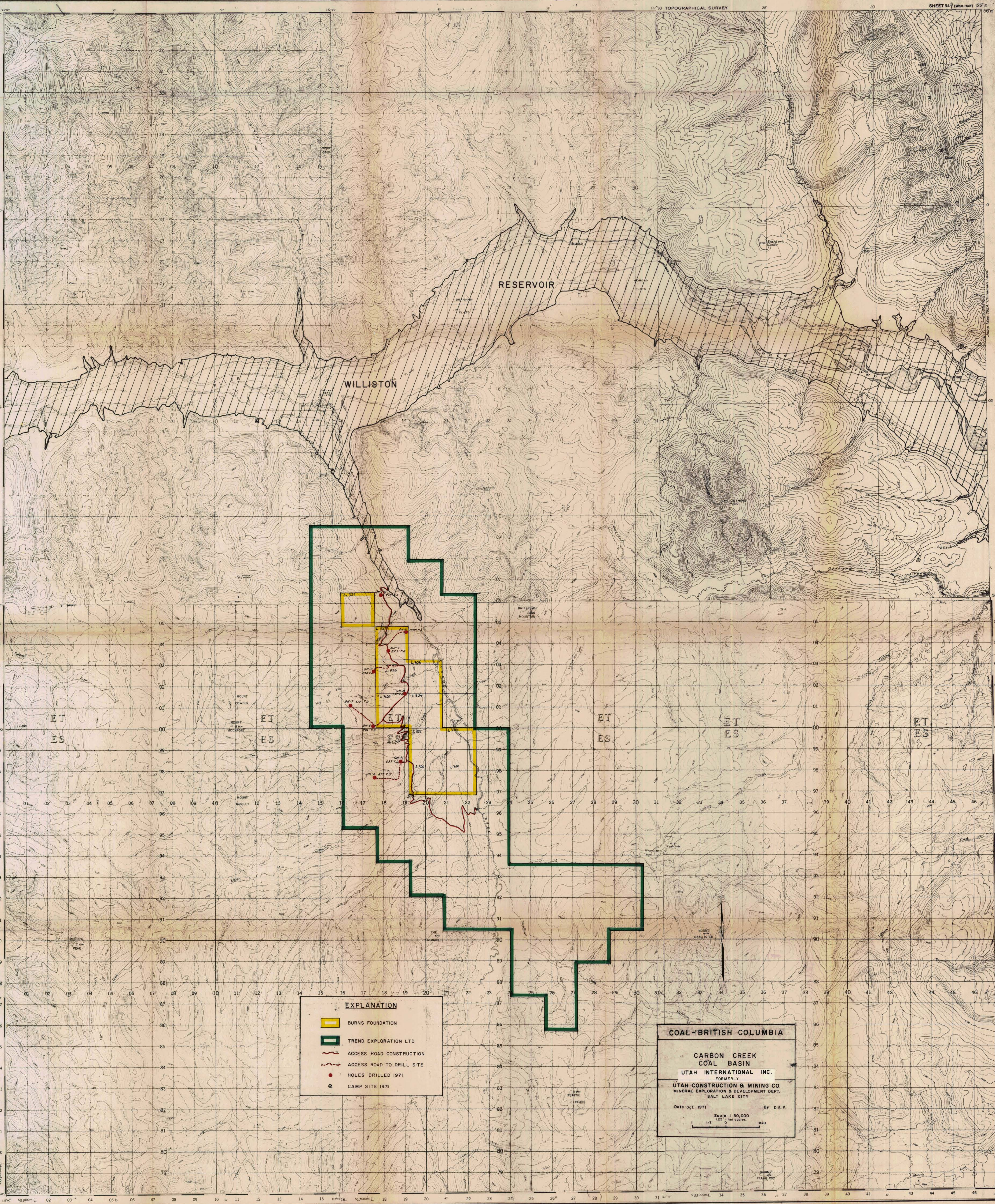
- EXPLANATION
- Conglomerate
 - Sandstone
 - Siltstone
 - Shale
 - Carbonaceous shale
 - Coal

495
PR-CCR 71(2)A




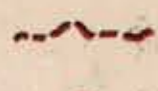

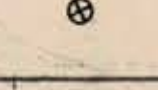


STRUCTURE CROSS SECTIONS OF THE CARBON CREEK AREA

HORIZONTAL & VERTICAL SCALE 1"=1000'
Feb 1972 By D.S.F



EXPLANATION

-  BURNS FOUNDATION
-  TREND EXPLORATION LTD.
-  ACCESS ROAD CONSTRUCTION
-  ACCESS ROAD TO DRILL SITE
-  HOLES DRILLED 1971
-  CAMP SITE 1971

COAL-BRITISH COLUMBIA

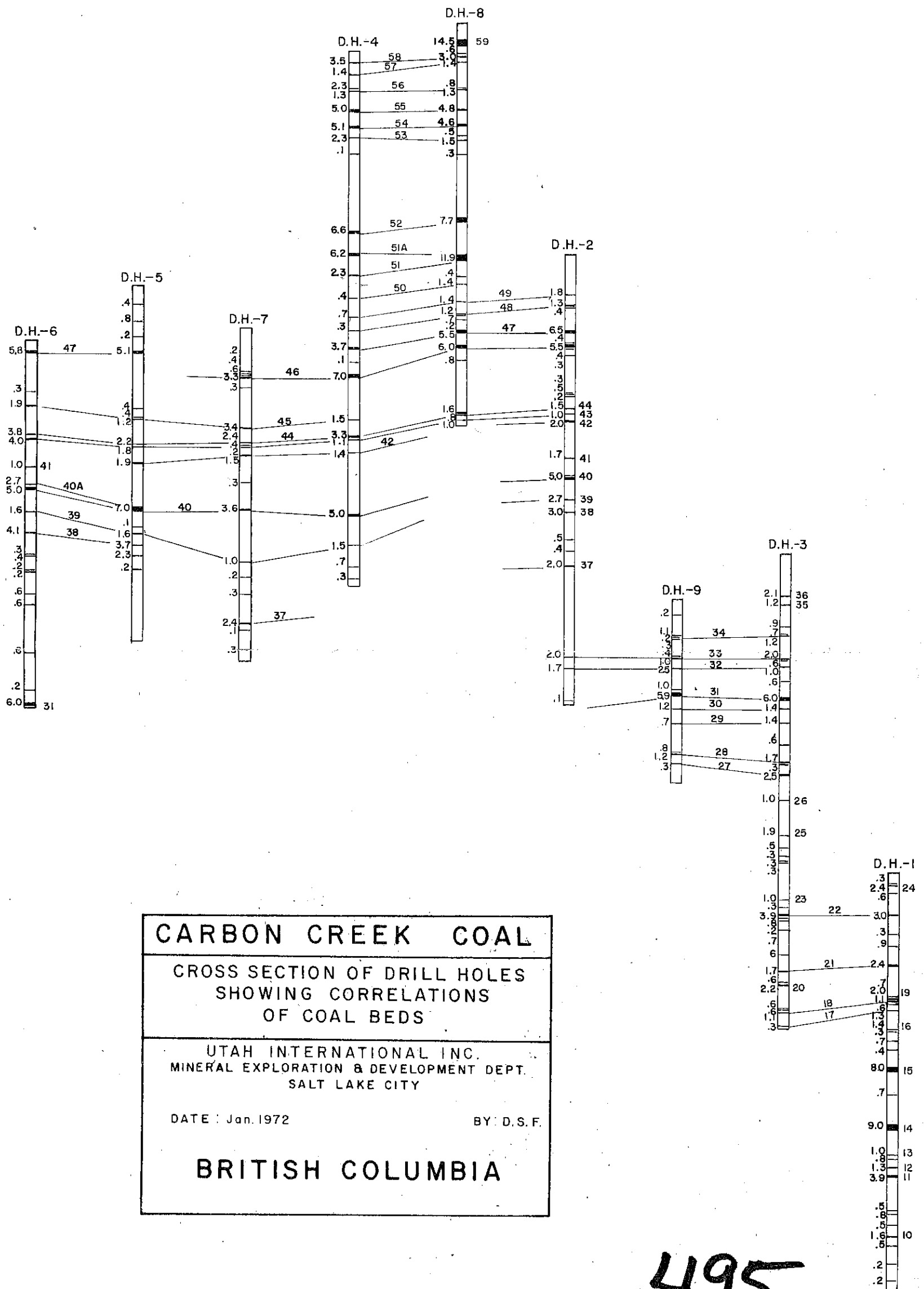
**CARBON CREEK
COAL BASIN**

UTAH INTERNATIONAL INC.
FORMERLY
UTAH CONSTRUCTION & MINING CO.
MINERAL EXPLORATION & DEVELOPMENT DEPT.
SALT LAKE CITY

Date: Oct. 1971 By: D.S.F.

Scale: 1:50,000
1/2" = 1 mi approx.

Feet
0
200
400
600
800
1000
1200
1400
1600
1800
2000
2200
2400



CARBON CREEK COAL

CROSS SECTION OF DRILL HOLES
SHOWING CORRELATIONS
OF COAL BEDS

UTAH INTERNATIONAL INC.
MINERAL EXPLORATION & DEVELOPMENT DEPT.
SALT LAKE CITY

DATE : Jan. 1972 BY : D.S.F.

BRITISH COLUMBIA

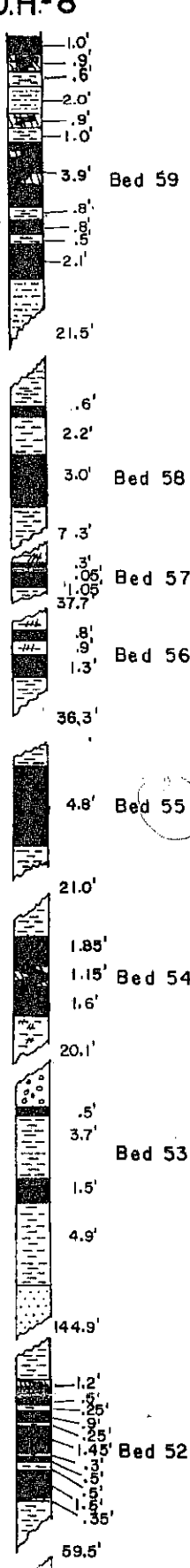
EXPLANATION

Coal Bed Thickness 9.0 | 14 Assigned Bed Number

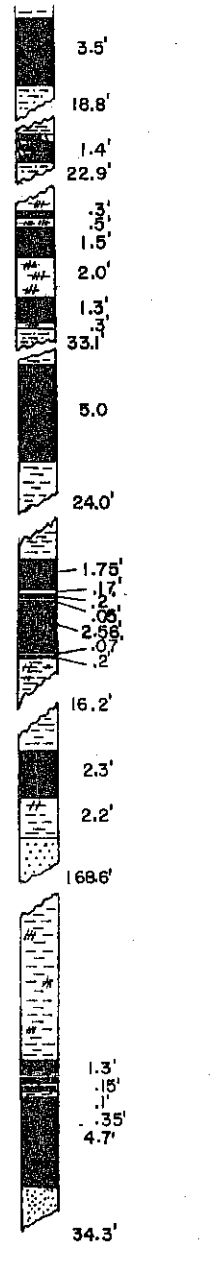
495
PR-CCR 71(2)A

PLATE 6

D.H-8

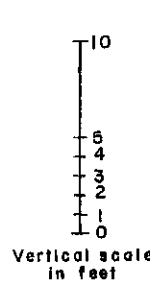


DH-4

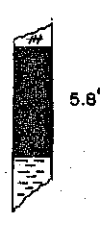


EXPLANATION

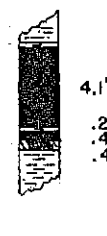
- Conglomerate
- Sandstone
- Siltstone
- Shale
- Carbonaceous shale
- Coal
- Bony coal
- Bone
- Intraformational braccia sandstone and shale



DH-6



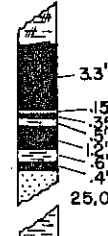
DH-5



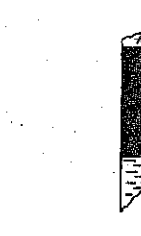
DH-7



DH-2



Bed 40A



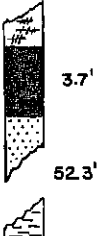
Bed 45



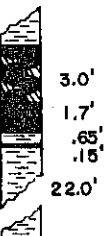
Bed 51



Bed 51A



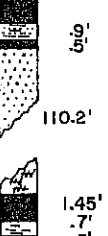
Bed 51



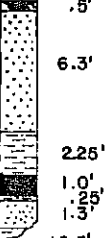
Bed 47



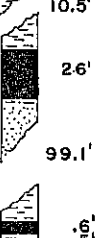
Bed 46



Bed 44



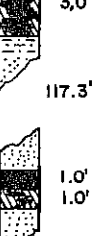
Bed 43



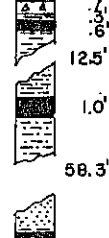
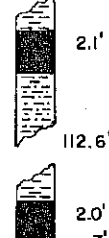
Bed 40



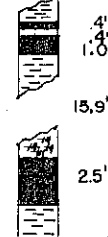
Bed 37



D.H-3



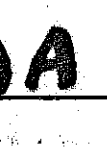
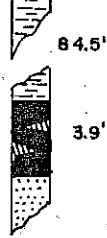
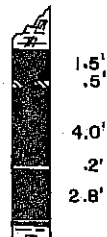
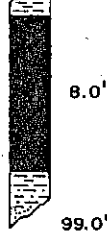
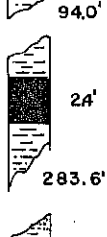
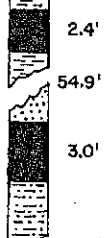
D.H-9



Bed 27



D.H-1



CARBON CREEK COAL
SECTIONS OF COAL BEDS
FROM DRILL HOLES
 UTAH INTERNATIONAL INC
 MINERAL EXPLORATION & DEVELOPMENT DEPT
 SALT LAKE CITY
 DATE Jan, 1972 BY DSF
BRITISH COLUMBIA

495

PR-CCK 71(2)A

GAMMA RAY LOG

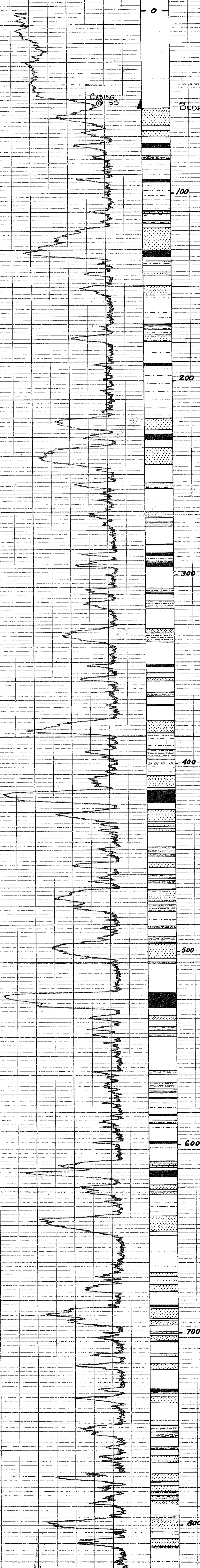
.010 MF/hr
3 TC/hr
10' MIN

UTAH CONSTRUCTION & MINING CO.
OHMS
DRILLER
LOG BY
DATE
HOLE

HOLE D.D.H. 1 ELEV. 2538.2' sur
DATE 7-12-71 SEC. T. R.
LOG BY DSF
DRILLER CAN. LOGS
T.D. 824 P.D. 824 OHMS
UTAH CONSTRUCTION & MINING CO.
GAMMA RAY LOG
SCALE - .010 MF/h
3 TC

CASING @ 55'

BEDROCK AT 55'



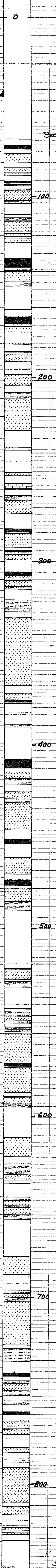
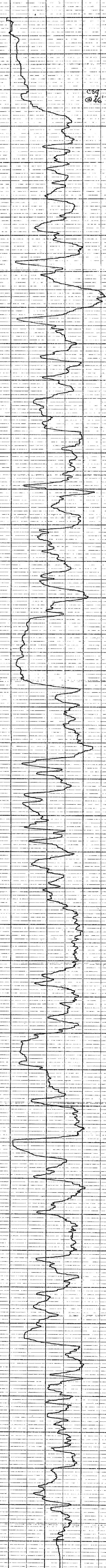
495

PR-CCIC 71(3)A

0.02
9

U1
76

HOLE D.D.H. 2 ELEV. 3584.8 SUR
 DATE 7-27-71 SIC I R
 LOG BY D.S.F.
 DRILLER CAV. Lona
 I.D. 830.5 P.D. 839 OHMS
 UTAH CONSTRUCTION & MINING CO.
 GAMMA-RAY LOG
 SCALE - .020 MR/hr
 3 TC



Banded Rock 65'

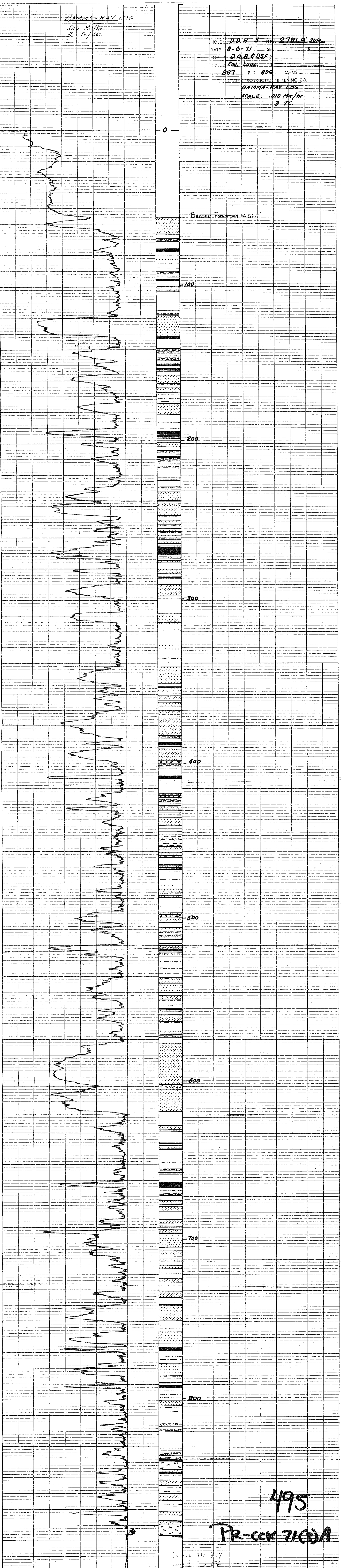
OTD
830.5 DRILLER

1' accumulative error per 100' of depth
 837 Rise Depth

495
 PR-CCIC 71(3)A

GAMMA-RAY LOG
 .010 Mc/hr
 3 TC/Sec

HOLE: D.D.H. 3 ELEV. 2781.9' SUR.
 DATE: 8-6-71 SECT. T R.
 LOG BY: D.O.B. & DSF
 CATER: Can. Long.
 C. 12: 887 P.D. 896 CHMS
 U. A. H. CONSTRUCTION & MINING CO.
 GAMMA-RAY LOG
 SCALE: .010 Mc/hr
3 TC

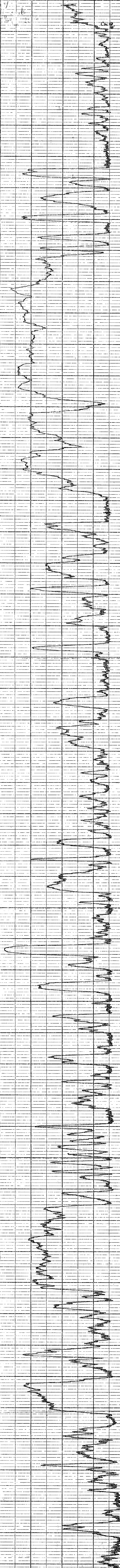


WIDCO DIVISION OF GEARHART OWEN INDUSTRIES, FORT WORTH, TEXAS CHART NO. 102 MADE IN U.S.A.

DDH #4
.01 Scale

HOLE D.D.H. 4 ELEV. 4092.6 SUR.
DATE 8-16-71
LOG BY M.S. G. D. O. B.
DRILLER G.M. LONG
T.D. 996.1 P.D. 100.0
UTAH CONSTRUCTION & MINING CO.

DDH #4
7/12/71



Banded Rock @ Surface

Interstratified Breccia

Shale & Sandstone Fragments

PD1005

495

PR-cell 71(3)A

DDH #5

HOLE D.D.H. 5 ELEV. 3501.9' SUR.
 DATE 8-25-71 S.D. T R
 LOG BY DSF & DOB
 DRILLER CAN. LONG
 T. D. 657 P. D. 661 U. S.
 UTILITY CONSTRUCTION & MAPPING CO.
GAMMA-RAY LOG
 SCALE - .010 MR/hr
3 TC

DLH
5

0 BEDDED FORMATION AT SURFACE

Csg
@ 15'

100

200

300

400

500

600

T.D. DRILLER 657'

495

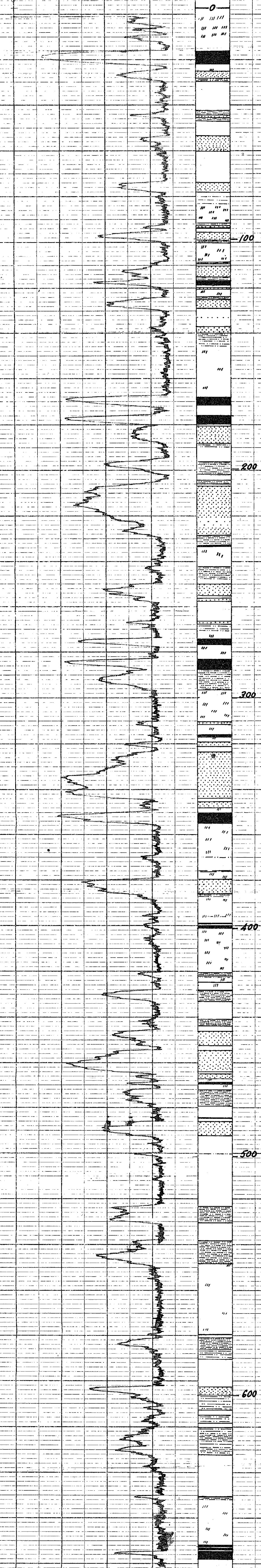
PR-CCN 71(3)A

GAMMA RAY LOG
 .010 MA/hr
 3 TC

WELL
 6

HOLE D.D.H 6 ELEV 4287.8' SUR
 DATE 9-1-71 SEC T R
 SPT A.N. & O.S.E.
 COR. LONG
 I.D. 677 P.D. 683 CHMS
 UTAH CONSTRUCTION & MINING CO

GAMMA-RAY LOG
 SCALE: .010 MA/hr
 3 TC



DRILLER TO CUT
 PROBE DEPTH 683

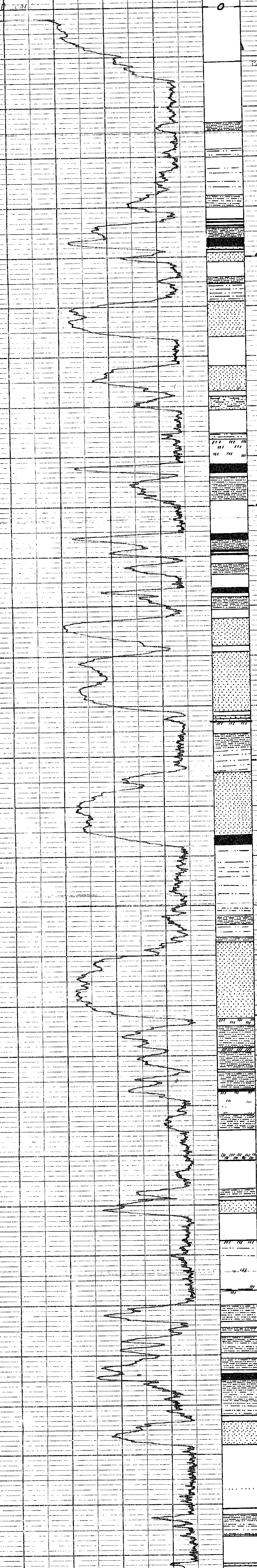
495
 PR-CLK 71(C)A

GAMMA RAY LOG

1114H
7

010 MR/FT
3 TC

HOLE D.D.H. 7 ELEV. 4387.6'
 DATE 9-19-71 SEC. _____ T. _____ R. _____
 LOG BY D.S.F. & A.N.
 DRILLER CAN. LONG.
 F.D. 617 P.D. 622 OHMS _____
 UTAH CONSTRUCTION & MINING CO.
 SCALE: 010 MR/FT
3 TC.



Barbace 22

100

200

300

400

500

600

495
PR-CCR 71(3)A

010 Mr/hr

3 TC

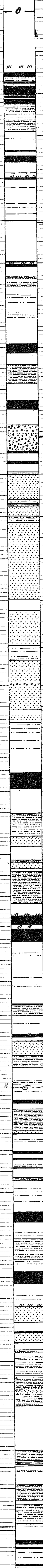
UTAH 418 P. 745

1-14-71

50666

HOLE D.D.H. 8 ELEV. 3557.6 SUR
 DATE 9-14-71 SEC. Y
 LOG BY D.S.F. N
 DRILLER CAN LONG E
 T.D. 737 P.D. 745 OHMS
 UTAH CONSTRUCTION & MINING CO.
 SCALE: 010 Mr/hr
3 TC

4" SURFACE GSE AT 12'



100

200

300

400

500

600

700

BED 47

BED 46

DRILLER TOTAL DEPTH 737

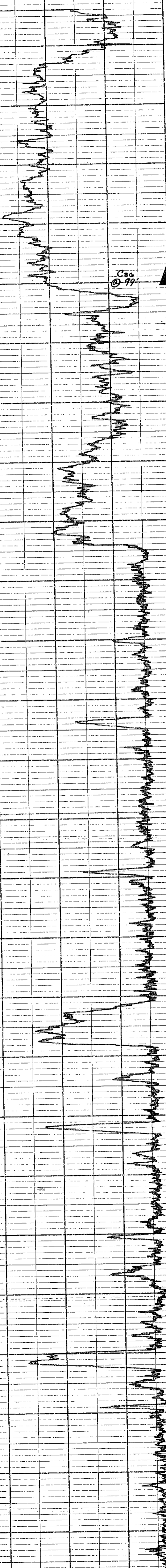
PROBE DEPTH 745

495
PR-CK 71 (3)A

Well # 9 BURNS

SCALE .005 MI/hr
3 TC

HOLE D.O.H. 9 ELEV. 2938.1 SUR.
 DATE 9-19-71 SEC. T. R.
 LOC. BY D.S.F. N
 DRILLER CAN. LONG. E
 T.D. 527 P.D. 532 O.E.M.S.
 UTAH CONSTRUCTION & MINING CO.
 GAMMA-RAY LOG
 SCALE - .005 MI/hr
 3 TC



Csg @ 99'

100

BEDROCK AT 187

200

300

400

500

DRILLER TOTAL DEPTH 527
 PROBE TD 532

495

PR-CCK 71(3)A

NOTE: COAL ANALYSIS DATA WAS TAKEN
FROM OPEN FILE - 71(1)A

CARBON CREEK COAL BASIN

PROGRESS REPORT

1971 FIELD SEASON

~~CONFIDENTIAL~~

UTAH INTERNATIONAL INC.

Mineral Exploration & Development Dept.

Salt Lake City, Utah

Submitted to: J. J. Reiff
Submitted by: D. O. Birkholz
D. S. Fullerton
Date: April 26, 1972

495

-27-
Figure 3.

Head Sample

Average Palo Alto Analyses of Principal Coal Beds

Coal Bed	Appendix II Source	Form of Analyses	Moist-ure	Ash	S	VM	FC	Btu	FSI	Field FSI
14	Table A	A	1.08	14.35	.65	19.71	64.86	13032	4	5
	"	B	--	14.51	.66	19.93	65.56	13174	-	-
15	Table B	A	1.28	5.21	.71	20.96	72.55	14333	2	3
	"	B	--	5.28	.72	21.23	73.49	14519	-	-
31	Table C	A	1.43	31.20	.81	21.37	45.81	9951	5.5	6
	"	B	--	31.71	.83	21.72	46.56	10114	-	-
40	Table D	A	2.08	11.87	1.23	27.41	58.63	12798	7.0	7.0
	"	B	--	12.11	1.26	28.00	59.88	13072	-	-
46	Table E	A	2.34	4.76	.96	28.13	64.75	13797	4.0	4.5
	"	B	--	4.87	1.00	28.80	66.33	14130	-	-
47	Table F	A	2.64	12.61	1.00	23.72	60.19	12105	2.0	2.5
	"	B	--	12.98	1.04	24.62	62.41	12544	-	-
51	Table G	A	2.55	5.22	.80	25.30	66.93	13643	2.0	3.0
	"	B	--	5.36	1.30	25.96	68.68	14000	-	-
51A	Table G	A	2.89	6.33	.86	28.68	62.10	13521	2.5	3.0
	"	B	--	6.52	.88	29.53	63.95	13923	-	-
52	Table H	A	2.12	23.10	1.83	26.77	48.01	10940	4.0	4.5
	"	B	--	23.58	1.87	27.36	49.05	11179	-	-
54	Table I	A	2.80	7.98	.89	26.72	62.51	13126	1.5	1.5
	"	B	--	8.21	.92	27.48	64.31	13504	-	-
55	Table J	A	2.76	12.03	.60	27.06	58.15	12572	2.5	2.5
	"	B	--	12.34	.61	27.83	59.83	12932	-	-
58	Table K	A	2.44	17.03	.93	26.73	53.80	11581	2.5	2.0
	"	B	--	17.44	.95	27.40	55.16	11873	-	-
59	Table L	A	2.24	44.89	.59	19.69	33.18	7467	1.0	3.5
	"	B	--	45.92	.60	20.14	33.94	7638	-	-

Form of Analysis: A) As-rec'd, B) Dry-Basis

COAL ANALYSIS DATA WAS TAKEN FROM 71(1)A OPEN FILE

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REPORT ON EXPLORATION ACTIVITIES

CARBON CREEK PROJECT

1971

CONFIDENTIAL

During the summer of 1971, Utah International, Inc. formerly Utah Construction & Mining Co., conducted a coal exploration program in the Carbon Creek Coal Basin of Northeastern British Columbia. The area covered in this initial exploration phase, about 15 square miles, is included in a total area of 65 square miles, 55 square miles of coal licenses of Trend Exploration Ltd and 10 coal leases held by P. Burns Foundation Ltd.

The Carbon Creek project got underway about June 1, 1971 upon arrival by tugboat and barge from Utah's point of departure at 38 mile point north of Mackenzie, B.C. on Williston Lake. Camp facilities to accommodate 15-20 men were constructed about 1/2 mile north of Seven Mile Creek, a tributary of Carbon Creek. Road construction was commenced immediately in order to prepare access to drillsite locations. However, due to incessant rains our endeavors to make progress in road construction were hampered by a sea of mud.

Drilling operations (Canadian Longyear, Contractor) commenced on July 4, with completion of two (2) core holes, totaling 1654 feet of drilling by months end. Road building by the end of July had progressed about 5 miles southward from base camp with access roads to drillsites #2 and #3 and a log bridge over Seven Mile Creek. The rainy season ended about July 25th and road building conditions steadily improved.

During August, four (4) additional core holes were completed with a total of 3217 feet of drilling. Approximately 14 miles of road were

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built with bridges being constructed over Ten Mile Creek, and the North and South Forks of Eleveln Mile Creeks. The main road was pushed to within one (1) mile of our proposed bridge crossing over Carbon Creek.

Through September, three (3) core holes were drilled totaling an additional 1881 feet. Road building was completed to Carbon Creek with abutments constructed on both sides of the creek for bridge completion during the 1972 exploration season. Slash removal, placing culverts in critical locations and road grading climaxed the Carbon Creek project about October 1.

Summarizing the 1971 Carbon Creek Project.

1. Nine (9) core holes were completed, totaling 6752 feet of drilling in the Carbon Creek Coal Basin.
2. Approximately ninety-three (93) coal samples acquired through core drilling were shipped to laboratories for coal quality analysis.
3. Approximately 20 miles of main road and access roads with four (4) completed bridges were constructed.
4. An ecological monitoring program was initiated with B.C. Research for environmental studies.
5. Several geological reconnaissance traverses were made through the area.
6. Preparation of a topographic map, scale 1"=400 ft., from aerial photography flown after 1971 project completion is in process.

Respectively,

D.S. Fullerton

D.S. Fullerton
Senior Geologist

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Proximate Analysis
and FSI

Drill Hole 1
Head Sample No. 2
Bed No. 15

Footage Interval	Natural Basis								Field Determination FSI	Dry Basis				
	No. Feet	% Ash	% H ₂ O	% S	% V.M.	% F.C.	Btu	FSI		% Ash	% S	% V.M.	% F.C.	Btu
413.6 - 421.6	8.0	5.21	1.28	.71	20.96	72.55	14333	2	3	5.28	.72	21.23	73.49	14519

Washability Test
(-1" X 28 mesh fraction)

Specific Gravity	Natural Basis Elementary Data				Dry Basis Elementary Data				Dry Basis Cumulative Data						
	Grams Wet Weight	% H ₂ O	Grams Dry Weight	% Weight	% Ash	% S	Btu	FSI	% Ash	% S	Btu	% Weight	% Ash	% S	Btu
Float - 1.300	2457.0	1.22	2427.0	42.25	3.03	.69	14988	4	3.07	.70	15173	42.25	3.07	.70	15173
1.300 - 1.350	2621.8	1.30	2587.7	45.05	3.59	.58	14642	1	3.64	.59	14835	87.30	3.36	.64	14999
1.350 - 1.400	339.1	1.18	335.7	5.84	10.28	.56	13532	1	10.40	.57	13694	93.14	3.81	.64	14917
1.400 - 1.450	121.0	0.88	119.9	2.09	19.21	.63	12317	6	19.38	.64	12426	95.23	4.15	.64	14863
1.450 - 1.500	50.4	0.81	50.0	0.87	23.30	.62	11511	3.5	23.49	.63	11605	96.10	4.32	.64	14834
1.500 - 1.550	41.9	0.90	41.5	0.72	29.57	.81	10490	4.5	29.84	.82	10585	96.82	4.51	.64	14802
1.550 - 1.600	37.5	0.90	37.2	0.65	35.77	1.10	9525	6	36.09	1.11	9612	97.47	4.72	.64	14767
1.600 - Sink	147.0	1.06	145.4	2.53	75.25	.33	3065	0	76.06	.33	3098	100.00	6.53	.63	14471
Total	5816.3		5744.4	100.00											

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PR-CARBON CR-71(4)A

TABLE B
BED 15

Proximate Analysis
and FSI

Drill Hole 1
Head Sample No. 3
Bed No. 14

Footage Interval	Natural Basis							Field Determination		Dry Basis				
	No. Feet	% Ash	% H ₂ O	% S	% V.M.	% F.C.	Btu	FSI	FSI	% Ash	% S	% V.M.	% F.C.	Btu
520.0 - 529.0	9.0	14.35	1.08	.65	19.71	64.86	13032	4	5	14.51	.66	19.93	65.56	13174

Washability Test
(-1" X 28 mesh fraction)

Specific Gravity	Natural Basis Elementary Data				Dry Basis Elementary Data			Dry Basis Cumulative Data							
	Grams Wet Weight	% H ₂ O	Grams Dry Weight	% Weight	% Ash	% S	Btu	FSI	% Ash	% S	Btu	% Weight	% Ash	% S	Btu
Float - 1.300	4255.4	1.19	4204.8	61.88	1.78	.67	14989	7	1.80	.68	15170	61.88	1.80	.68	15170
1.300 - 1.350	1086.6	1.00	1075.7	15.83	3.62	.56	14704	1	3.66	.57	14853	77.71	2.18	.66	15105
1.350 - 1.400	265.4	1.08	262.5	3.86	10.56	.60	13509	1	10.68	.61	13656	81.57	2.58	.66	15036
1.400 - 1.450	74.3	1.47	73.2	1.08	14.79	.51	12751	1	15.01	.52	12941	82.65	2.74	.65	15009
1.450 - 1.500	29.0	1.06	28.7	.42	24.78	.64	11223	5.5	25.05	.65	11343	83.07	2.86	.65	14991
1.500 - 1.550	73.4	1.00	72.7	1.07	29.44	.67	10472	6.5	29.74	.68	10578	84.14	3.20	.65	14935
1.550 - 1.600	211.6	.89	209.7	3.09	37.41	.66	9388	5	37.75	.67	9472	87.23	4.42	.66	14741
1.600 - Sink	877.7	1.10	868.0	12.77	72.01	.25	3711	0.5	72.81	.25	3752	100.00	13.15	.60	13338
Total	6873.4		6795.3	100.00											

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TABLE A
BED 14

Proximate Analysis
and FSI

Drill Hole 2
Head Sample No. 3
Bed No. 47

Footage Interval	No. Feet	Natural Basis							Field Determination FSI	Dry Basis				
		% Ash	% H ₂ O	% S	% V.M.	% F.C.	Btu	FSI		% Ash	% S	% V.M.	% F.C.	Btu
135.4 - 142.2	6.8	16.23	2.71	1.38	22.59	58.47	11949	2	2.5	16.68	1.42	23.22	60.10	12282

Washability Test
(-1" X 28 mesh fraction)

Specific Gravity	Natural Basis Elementary Data								Dry Basis Elementary Data			Dry Basis Cumulative Data			
	Grams Wet Weight	% H ₂ O	Grams Dry Weight	% Weight	% Ash	% S	Btu	FSI	% Ash	% S	Btu	% Weight	% Ash	% S	Btu
Float - 1.300	1598.3	2.42	1559.6	27.67	1.76	1.09	14042	2	1.80	1.12	14390	27.67	1.80	1.12	14390
1.300 - 1.350	1788.1	2.37	1745.7	30.97	5.26	1.23	13535	2	5.39	1.26	13864	58.64	3.70	1.19	14113
1.350 - 1.400	669.4	2.31	683.2	12.12	11.69	1.52	12520	2	11.97	1.56	12816	70.76	5.11	1.26	13891
1.400 - 1.450	136.0	2.08	133.2	2.36	18.58	1.64	11531	3	18.97	1.67	11776	73.12	5.56	1.36	13822
1.450 - 1.500	196.7	2.04	192.7	3.42	24.05	1.73	10678	2	24.55	1.77	10900	76.54	6.41	1.38	13692
1.500 - 1.550	153.2	1.91	150.3	2.67	29.53	1.57	9852	2	30.11	1.60	10044	79.21	7.21	1.39	13569

Drill Hole 4
Head Sample No. 10
Bed No. 47

Footage Interval	No. Feet	Natural Basis							Field Determination FSI	Dry Basis				
		% Ash	% H ₂ O	% S	% V.M.	% F.C.	Btu	FSI		% Ash	% S	% V.M.	% F.C.	Btu
542.8 - 546.5	3.7	2.36	2.39	.69	25.75	69.50	14180	2.5	5	2.42	.71	26.38	71.20	14527

Washability Test
(-1" X 0) @ 1.375

Specific Gravity	Natural Basis Elementary Data								Dry Basis Elementary Data			Dry Basis Cumulative Data						
	% H ₂ O	% Weight	% Ash	% S	VM	FC	Btu	FSI	% Ash	% S	Btu	VM	FC	Ash	S	VM	FC	Btu
1.375 Float	2.33	96.6	1.03	0.78	25.44	71.20	14368	1.5	1.05	0.80	14711	26.05	72.90	39.4	97.2	95.4	98.9	98.2
1.375 Sink	1.76	3.4	44.80	0.63			7615	1.5	45.60	0.64	7751			60.6	2.8			1.8
Total		100.0												100.0	100.0			100.0

Drill Hole 5
Head Sample No. 1
Bed No. 47

Footage Interval	No. Feet	Natural Basis							Field Determination FSI	Dry Basis				
		% Ash	% H ₂ O	% S	% V.M.	% F.C.	Btu	FSI		% Ash	% S	% V.M.	% F.C.	Btu
121.9 - 127.0	5.1	15.45	3.38	1.23	24.43	56.74	11793	1.5	1	15.99	1.27	25.29	58.72	12206

Washability Test
(-1" X 28 mesh fraction)

Specific Gravity	Natural Basis Elementary Data								Dry Basis Elementary Data			Dry Basis Cumulative Data					
	H ₂ O	Weight	% Ash	% S	VM	FC	Btu	FSI	% Ash	% S	Btu	VM	FC	Weight	% Ash	% S	Btu
Float - 1.300	2.26	38.04	2.68	1.31	25.77	69.29	14142	2.0	2.74	1.34	14469	26.36	70.89	38.04	2.74	1.34	14469
1.300 - 1.350	2.95	27.53	5.13	1.39	26.36	65.56	13454	1.5	5.29	1.43	13863	27.16	67.55	65.57	3.81	1.38	14214
1.350 - 1.400	2.76	11.46	8.73	1.24	22.07	66.44	13018	1.5	8.98	1.28	13387	22.70	68.33	77.03	4.58	1.36	14091
1.400 - 1.450	3.30	3.52	14.14	1.26	20.76	61.80	11780	0.0	14.62	1.30	12182	21.46	63.91	80.55	5.02	1.36	14007

Drill Hole 6
Head Sample No. 1
Bed No. 47

Footage Interval	No. Feet	Natural Basis							Field Determination FSI	Dry Basis				
		% Ash	% H ₂ O	% S	% V.M.	% F.C.	Btu	FSI		% Ash	% S	% V.M.	% F.C.	Btu
18.5 - 24.5	6.0	3.37	6.79	.71	26.93	62.91	12023	0	non-agglomerating	3.62	.76	28.89	67.49	12899

Washability Test
(-1" X 28 mesh fraction)

Specific Gravity	Natural Basis Elementary Data								Dry Basis Elementary Data			Dry Basis Cumulative Data					
	H ₂ O	Weight	% Ash	% S	VM	FC	Btu	FSI	% Ash	% S	Btu	VM	FC	Weight	% Ash	% S	Btu
Float - 1.300		0.0															
1.300 - 1.350	4.95	14.43	1.24	.89	26.39	67.42	12783	0.0	1.30	.94	13449	27.76	70.93	14.43	1.30	.94	13449
1.350 - 1.400	5.88	75.70	1.62	.80	25.80	66.70	12414	0.0	1.72	.85	13190	27.41	70.87	90.13	1.65	.86	13232
1.400 - 1.450	6.65	5.90	5.43	.83	25.52	62.40	11536	0.0	5.82	.89	12358	27.34	66.85	96.03	1.91	.87	13178

Drill Hole 8
Head Sample No. 13
Bed No. 47

Footage Interval	No. Feet	Natural Basis							Field Determination FSI	Dry Basis				
		% Ash	% H ₂ O	% S	% V.M.	% F.C.	Btu	FSI		% Ash	% S	% V.M.	% F.C.	Btu
563.8 - 569.3	5.5	25.65	2.10	1.02	18.92	53.33	10583	2.0	2	26.20	1.04	19.33	54.47	10810

Washability Test
(-1" X 28 mesh fraction)

Specific Gravity	Natural Basis Elementary Data								Dry Basis Elementary Data			Dry Basis Cumulative Data					
	H ₂ O	Weight	% Ash	% S	VM	FC	Btu	FSI	% Ash	% S	Btu	VM	FC	Weight	% Ash	% S	Btu
Float - 1.300	2.42	30.09	1.80	0.95	25.67	70.11	14272	2.0	1.84	0.97	14626	26.31	71.85	30.09	1.84	0.97	14626
1.300 - 1.350	2.06	33.89	3.71	0.83	24.87	69.36	14027	1.5	3.79	0.84	14322	25.39	70.82	63.98	2.87	0.90	14465
1.350 - 1.400	1.51	3.70	11.28	1.58	27.29	59.92	12861	2.0	11.45	1.60	13058	27.71	60.84	67.68	3.34	0.94	14388
1.400 - 1.450	1.60	3.18	17.97	2.40	25.95	54.48	11749	5.5	18.26	2.44	11940	26.37	55.37	70.86	4.01	1.01	14279

Proximate Analysis
and FSI

Drill Hole 2
Head Sample No. 4
Bed No. 46

Footage Interval	No. Feet	Natural Basis							Field Determination FSI	Dry Basis				
		% Ash	% H ₂ O	% S	% V.M.	% F.C.	Btu	FSI		% Ash	% S	% V.M.	% F.C.	Btu
167.2 - 171.3	4.1	8.80	2.22	1.46	28.30	60.68	13164	4.5	5	9.00	1.49	28.94	62.06	13463

Washability Test
(-1" X 28 mesh fraction)

Specific Gravity	Grams Wet Weight	Natural Basis Elementary Data							Dry Basis Elementary Data			Dry Basis Cumulative Data			
		% H ₂ O	Grams Dry Weight	% Weight	% Ash	% S	Btu	FSI	% Ash	% S	Btu	% Weight	% Ash	% S	Btu
Float - 1.300	1498.2	2.15	1466.0	49.00	2.59	1.13	14158	6	2.65	1.15	14469	49.00	2.65	1.15	14469
1.300 - 1.350	899.2	2.09	880.4	29.42	5.02	1.47	13729	3.5	5.13	1.50	14022	78.42	3.58	1.28	14300
1.350 - 1.400	191.1	2.03	187.2	6.26	12.25	1.37	12656	6.5	12.50	1.40	12918	84.68	4.24	1.29	14198
1.400 - 1.450	84.3	1.78	82.8	2.77	18.27	1.45	11714	4.5	18.60	1.48	11926	87.45	4.70	1.30	14126
1.450 - 1.500	187.7	1.73	184.5	6.17	25.35	1.50	10757	2.5	25.80	1.53	10946	93.62	6.09	1.31	13916
1.500 - 1.550]	65.3	1.60	72.3	2.42	30.24	1.51	9985	2.5	30.73	1.53	10147	96.04	6.71	1.32	13821
1.550 - 1.600]	8.2														
1.600 - Sink	120.2	1.31	118.6	3.96	66.88	1.27	4354	0	67.77	1.29	4412	100.00	9.13	1.32	13449
Total	3054.2		2991.8	100.00											

Drill Hole 4
Head Sample No. 11
Bed No. 46

Footage Interval	No. Feet	Natural Basis							Field Determination FSI	Dry Basis				
		% Ash	% H ₂ O	% S	% V.M.	% F.C.	Btu	FSI		% Ash	% S	% V.M.	% F.C.	Btu
598.8 - 605.8	7.0	2.76	3.04	.69	28.76	65.44	14089	4.0	4	2.84	.71	29.67	67.49	14530

Washability Test
(-1 X 28" mesh fraction)

Specific Gravity	% H ₂ O		Natural Basis Elementary Data							Dry Basis Elementary Data			Dry Basis Cumulative Data				
	% H ₂ O	% Weight	% Ash	% S	VM	FC	Btu	FSI	% Ash	% S	Btu	VM	FC	Weight	% Ash	% S	Btu
Float - 1.300	2.22	94.19	1.35	.67	27.39	69.04	14325	4.0	1.38	.69	14651	28.01	70.61	94.19	1.38	.69	14651
1.300 - 1.350	2.15	4.39	3.17	.60	21.27	73.41	14013	1.5	3.24	.61	14321	21.74	75.02	98.58	1.46	.69	14637
1.350 - Sink	1.71	1.42	48.21	.92			6964	0.0	49.05	.94	7085			100.0	2.14	.69	14530

Drill Hole 7
Head Sample No. 1
Bed No. 46

Footage Interval	No. Feet	Natural Basis							Field Determination FSI	Dry Basis				
		% Ash	% H ₂ O	% S	% V.M.	% F.C.	Btu	FSI		% Ash	% S	% V.M.	% F.C.	Btu
92.5 - 95.8	3.3	4.45	1.20	0.94	30.55	63.80	13921	4.0	5.5	4.50	0.95	30.92	64.58	14090

Washability Test
(-1 X 28 mesh fraction)

Specific Gravity	% H ₂ O		Natural Basis Elementary Data							Dry Basis Elementary Data			Dry Basis Cumulative Data				
	% H ₂ O	% Weight	% Ash	% S	VM	FC	Btu	FSI	% Ash	% S	Btu	VM	FC	Weight	% Ash	% S	Btu
Float - 1.300	2.19	82.93	1.41	0.89	30.65	65.75	14332	4.0	1.44	0.91	14653	31.34	67.22	82.93	1.44	0.91	14653
1.300 - 1.350	2.14	7.51	3.87	1.02	26.00	67.99	13950	1.5	3.95	1.04	14255	26.57	69.48	90.44	1.65	0.92	14621
1.350 - 1.400	1.74	0.99	10.29	1.06	27.29	60.68	12980	2.5	10.47	1.08	13210	27.77	61.75	91.43	1.74	0.92	14606
1.400 - 1.600	1.62	0.78	20.28	1.19			11280	1.5	20.61	1.21	11466			92.21	1.90	0.93	14579
1.600 - Sink	0.47	7.79	53.59	0.38			1992	0.0	53.84	0.38	2001			100.00	5.95	0.88	13599

Drill Hole 8
Head Sample No. 14
Bed No. 46

Footage Interval	No. Feet	Air Dried Basis							Field Determination FSI	Dry Basis				
		% Ash	% H ₂ O	% S	% V.M.	% F.C.	Btu	FSI		% Ash	% S	% V.M.	% F.C.	Btu
591.3 - 597.3	6.0	3.05	2.92	0.81	24.93	69.10	14017	2.5	3.5	3.14	0.83	25.68	71.18	14439

Washability Test
(-1" X 28 mesh fraction)

Specific Gravity	% H ₂ O		Natural Basis Elementary Data							Dry Basis Elementary Data			Dry Basis Cumulative Data				
	% H ₂ O	% Weight	% Ash	% S	VM	FC	Btu	FSI	% Ash	% S	Btu	VM	FC	Weight	% Ash	% S	Btu
Float - 1.300	1.91	83.79	1.42	0.69	26.87	69.80	14391	2.5	1.45	0.70	14671	27.39	71.16	83.79	1.45	0.70	14671
1.300 - 1.350	1.99	8.77	3.24	0.62	24.31	70.46	14009	2.0	3.27	0.63	14149	24.55	72.18	92.56	1.62	0.69	14622
1.350 - 1.400	1.64	1.32	9.80	0.66	29.04	59.52	12914	2.5	9.96	0.67	13129	29.52	60.51	93.88	1.74	0.69	14601
1.400 - 1.450	1.56	0.75	14.59	0.67	33.57	50.28	11866	1.5	14.82	0.68	12054	34.10	51.08	94.63	1.84	0.69	14580
1.450 - 1.500	1.53	1.93	17.53	0.73			11066	2.5	17.80	0.74	11238			96.56	2.16	0.69	14513
1.500 - 1.600	1.37	2.19	21.27	0.71			10203	3.0	21.57	0.72	10345			98.75	2.59	0.69	14421
1.600 - Sink	1.22	1.25	41.44	0.64			6813	0.0	41.95	0.65	6897			100.00	3.08	0.69	14327
Total				100.00													

495

Proximate Analysis
and FSI

Drill Hole 2
Head Sample No. 7
Bed No. 40

Footage Interval	No. Feet	Natural Basis							Field Determination FSI	Dry Basis				
		% Ash	% H ₂ O	% S	% V.M.	% F.C.	Btu	FSI		% Ash	% S	% V.M.	% F.C.	Btu
407.5 - 412.5	5.00	15.00	2.03	1.14	25.81	57.16	12253	5.5	6	15.31	1.16	26.34	58.34	12507

Washability Test
(-1" X 28 mesh fraction)

Specific Gravity	Grams Wet Weight	% H ₂ O	Natural Basis Elementary Data					Dry Basis Elementary Data			Dry Basis Cumulative Data				
			Grams Dry Weight	% Weight	% Ash	% S	Btu	FSI	% Ash	% S	Btu	% Weight	% Ash	% S	Btu
Float - 1.300	1489.0	2.00	1459.2	41.12	3.33	.99	14118	7.5	3.40	1.01	14406	41.12	3.40	1.01	14406
1.300 - 1.350	958.0	1.89	939.9	26.48	6.60	1.10	13495	6.5	6.73	1.12	13755	67.60	4.70	1.05	14151
1.350 - 1.400	176.6	1.93	173.2	4.88	9.91	1.40	12900	2.0	10.11	1.43	13154	72.48	5.07	1.08	14084
1.400 - 1.450	232.2	1.78	228.1	6.43	14.60	1.32	12122	2.0	14.86	1.34	12342	78.91	5.86	1.10	13942
1.450 - 1.500	127.9	1.73	125.7	3.54	24.49	1.44	10754	3.5	24.92	1.47	10943	82.45	6.68	1.11	13813

Drill Hole 4
Head Sample No. 15
Bed No. 40

Footage Interval	No. Feet	Natural Basis							Field Determination FSI	Dry Basis				
		% Ash	% H ₂ O	% S	% V.M.	% F.C.	Btu	FSI		% Ash	% S	% V.M.	% F.C.	Btu
853.4 - 858.8	5.4	10.24	2.20	2.43	30.36	57.20	12980	7.5	7	10.47	2.48	31.04	58.49	13272

Washability Test
(-1" X 28 mesh fraction)

Specific Gravity	H ₂ O	Weight	Natural Basis Elementary Data					Dry Basis Elementary Data			Dry Basis Cumulative Data						
			% Ash	% S	VM	FC	Btu	FSI	% Ash	% S	Btu	VM	FC	Weight	% Ash	% S	Btu
Float - 1.300	1.73	72.38	1.76	1.05	28.98	67.53	14502	7.5	1.79	1.07	14757	29.49	68.72	72.38	1.79	1.07	14757
1.300 - 1.350	1.70	9.73	5.67	1.06	27.16	65.47	13758	5.5	5.77	1.08	13996	27.63	66.60	82.11	2.26	1.07	14667
1.350 - 1.400	1.79	3.18	10.25	1.08	27.80	60.16	12899	6.0	10.44	1.10	13134	28.31	61.26	85.29	2.57	1.07	14610

Drill Hole 5
Head Sample No. 5
Bed No. 40

Footage Interval	No. Feet	Natural Basis							Field Determination FSI	Dry Basis				
		% Ash	% H ₂ O	% S	% V.M.	% F.C.	Btu	FSI		% Ash	% S	% V.M.	% F.C.	Btu
408.0 - 415.0	7.0	21.94	1.67	.94	25.01	51.38	11309	7.5	7.5	22.31	.96	25.44	52.25	11501

Washability Test
(-1" X 28 mesh fraction)

Specific Gravity	H ₂ O	Weight	Natural Basis Elementary Data					Dry Basis Elementary Data			Dry Basis Cumulative Data						
			% Ash	% S	VM	FC	Btu	FSI	% Ash	% S	Btu	VM	FC	Weight	% Ash	% S	Btu
Float - 1.300	1.50	56.24	2.12	0.90	29.86	66.52	14565	8.0	2.15	0.91	14787	30.31	67.53	56.24	2.15	0.91	14787
1.300 - 1.350	1.50	11.99	5.63	0.91	27.49	65.38	13974	7.0	5.72	0.92	14187	27.91	66.38	68.23	2.78	0.91	14681
1.350 - 1.400	1.43	3.60	10.82	0.92	27.36	60.39	13025	6.5	10.98	0.93	13214	27.76	61.27	71.83	3.20	0.91	14608
1.400 - 1.450	1.29	2.95	14.85	1.09	26.03	57.83	12403	6.0	15.04	1.10	12565	26.37	58.59	74.78	3.66	0.92	14528

Drill Hole 6
Head Sample No. 6
Bed No. 40A

Footage Interval	No. Feet	Natural Basis							Field Determination FSI	Dry Basis				
		% Ash	% H ₂ O	% S	% V.M.	% F.C.	Btu	FSI		% Ash	% S	% V.M.	% F.C.	Btu
274.5 - 277.3	2.8	2.74	2.17	.92	29.83	65.26	14288	7.5	7.5	2.80	.94	30.49	66.71	14605

Washability Test
(-1" X 0) @ 1.375

Specific Gravity	H ₂ O	Weight	Natural Basis Elementary Data					Dry Basis Elementary Data			% Distribution						
			% Ash	% S	VM	FC	Btu	FSI	% Ash	% S	Btu	VM	FC	VM	% Ash	% S	Btu
1.375 - Float	1.80	96.8	2.21	0.88	26.12	69.87	14537	7.0	2.25	0.90	14803	26.60	71.15	84.5	69.1	87.0	97.8
1.375 - Sink	1.29	3.2	29.92	4.00			9986	3.0	30.31	4.05	10117				30.9	13.0	2.2
Total		100.0													100.0	100.0	100.0

Drill Hole 6
Head Sample No. 7
Bed No. 40

Footage Interval	No. Feet	Natural Basis							Field Determination FSI	Dry Basis				
		% Ash	% H ₂ O	% S	% V.M.	% F.C.	Btu	FSI		% Ash	% S	% V.M.	% F.C.	Btu
282.8 - 287.8	5.2	5.28	2.47	.96	28.80	63.45	13797	7.0	7.5	5.41	.98	29.53	65.06	14146

Washability Test
(-1 X 28" mesh fraction)

Specific Gravity	H ₂ O	Weight	Natural Basis Elementary Data					Dry Basis Elementary Data			Dry Basis Cumulative Data						
			% Ash	% S	VM	FC	Btu	FSI	% Ash	% S	Btu	VM	FC	Weight	% Ash	% S	Btu
Float - 1.300	2.06	78.25	1.90	1.04	24.69	71.35	14532	7.0	1.94	1.06	14838	25.21	72.85	78.25	1.94	1.06	14838
1.300 - 1.350	1.83	9.53	4.89	1.17	23.67	69.61	14002	2.5	4.98	1.19	14263	24.11	70.91	87.78	2.27	1.07	14776
1.350 - 1.400	1.53	1.48	12.66	1.80	24.84	60.97	12797	5.5	12.86	1.83	12996	25.23	61.92	89.26	2.45	1.09	14745

Drill Hole 7
Head Sample No. 5
Bed No. 40

Footage Interval	No. Feet	Air Dried Basis							Field Determination FSI	Dry Basis				
		% Ash	% H ₂ O	% S	% V.M.	% F.C.	Btu	FSI		% Ash	% S	% V.M.	% F.C.	Btu
329.8 - 333.4	3.6	16.05	1.95	0.99	24.69	57.31	12161	4.5	6	16.37	1.01	25.18	58.45	12403

Washability Test
(-1 X 0) @ 1.40

Specific Gravity	H ₂ O	Weight	Natural Basis Elementary Data					Dry Basis Elementary Data			% Distribution							
			% Ash	% S	VM	FC	Btu	FSI	% Ash	% S	Btu	VM	FC	Ash	S	VM	FC	Btu
1.400 Float	1.97	74.6	3.29	1.03	30.39	64.35	14087	6.5	3.36	1.05	14370	31.00	65.64	16.9	82.3	91.8	83.8	85.3
1.400 Sink	1.35	25.4	47.70	0.65			7176	1.5	48.35	0.66	7274			83.1	17.7			14.7
Total		100.0												100.0	100.0			100.0

Proximate Analysis
and FSI

Drill Hole 3
Head Sample No. 4
Bed No. 31

Footage Interval	No. Feet	Natural Basis							Field Determination FSI	Dry Basis				
		% Ash	% H ₂ O	% S	% V.M.	% F.C.	Btu	FSI		% Ash	% S	% V.M.	% F.C.	Btu
268.8 - 274.8	6.0	14.76	1.55	.70	23.41	60.28	12780	7.0	6	14.99	.71	23.78	61.23	12981

Washability Test
(-1" X 28 mesh fraction)

Specific Gravity	Natural Basis Elementary Data								Dry Basis Elementary Data					Dry Basis Cumulative Data			
	H ₂ O	Weight	% Ash	% S	VM	FC	Btu	FSI	% Ash	% S	Btu	VM	FC	Weight	% Ash	% S	Btu
Float - 1.300	1.32	36.18	3.00	.76	27.63	68.05	14695	8.0	3.04	.77	14892	28.00	68.96	36.18	3.04	.77	14892
1.300 - 1.350	1.34	36.10	5.82	.70	23.74	69.10	14176	6.0	5.90	.71	14369	24.06	70.04	72.28	4.48	.74	14631
1.350 - 1.400	1.26	9.90	12.10	.63	20.55	66.09	13127	4.5	12.25	.64	13295	20.81	66.93	82.18	5.42	.73	14469
1.400 - 1.450	1.28	6.58	17.34	.59			12294	2.0	17.56	.60	12453			88.76	6.32	.72	14320
1.450 - 1.500	1.38	2.10	24.19	.55			11181	1.0	24.53	.56	11337			90.86	6.74	.71	14250

Drill Hole 6
Head Sample No. 10
Bed No. 31

Footage Interval	No. Feet	% Ash	% H ₂ O	% S	% V.M.	% F.C.	Btu	FSI	Field Determination FSI	%	%	%	%	Btu
667.2 - 673.2	6.0	42.29	1.57	1.04	21.75	34.39	7947	5.0	6	42.96	1.06	22.10	34.94	8074

Washability Test
(-1" X 28 mesh fraction)

Specific Gravity	Natural Basis Elementary Data								Dry Basis Elementary Data					Dry Basis Cumulative Data			
	H ₂ O	Weight	% Ash	% S	VM	FC	Btu	FSI	% Ash	% S	Btu	VM	FC	Weight	% Ash	% S	Btu
Float - 1.300	1.55	20.04	3.40	1.19	25.00	70.05	14512	8.5	3.45	1.21	14740	25.39	71.15	20.04	3.45	1.21	14740
1.300 - 1.350	1.46	15.41	9.10	1.42	25.91	63.53	13546	8.0	9.23	1.44	13747	26.29	64.47	35.45	5.96	1.31	14307
1.350 - 1.400	1.48	5.92	14.95	1.62	25.19	58.38	12629	7.5	15.17	1.64	12819	25.57	59.26	41.37	7.28	1.36	14095
1.400 - 1.450	1.40	4.26	20.57	1.83	23.74	54.29	11697	7.0	20.86	1.86	11863	24.08	55.06	45.63	8.55	1.40	13886
1.450 - 1.500	1.50	2.74	24.55	1.72			10954	5.5	24.92	1.75	11121			48.37	9.47	1.42	13730

Drill Hole 9
Head Sample No. 5
Bed No. 31

Footage Interval	No. Feet	% Ash	% H ₂ O	% S	% V.M.	% F.C.	Btu	FSI	Field Determination FSI	%	%	%	%	Btu
360.8 - 366.7	5.9	36.55	1.72	0.71	18.97	42.76	9128	4.5	7	37.19	0.72	19.30	43.51	9288

Washability Test
(-1" X 28 mesh fraction)

Specific Gravity	Natural Basis Elementary Data								Dry Basis Elementary Data					Dry Basis Cumulative Data			
	H ₂ O	Weight	% Ash	% S	VM	FC	Btu	FSI	% Ash	% S	Btu	VM	FC	Weight	% Ash	% S	Btu
Float - 1.300	1.20	50.56	3.57	0.90	28.35	66.88	14493	8.5	3.61	0.91	14669	28.69	67.69	50.56	3.61	0.91	14669
1.300 - 1.350	1.12	15.91	7.67	0.81	27.47	63.74	13845	7.5	7.76	0.82	14002	27.78	64.46	66.47	4.60	0.89	14510
1.350 - 1.400	1.06	7.86	13.20	0.81	26.23	59.51	12871	7.5	13.34	0.82	13009	26.51	60.15	74.33	5.53	0.88	14352
1.400 - 1.450	1.18	5.90	18.97	0.85	26.04	53.81	11863	4.0	19.20	0.86	12005	26.35	54.45	80.23	6.53	0.88	14179

Proximate Analysis
and FSI

Drill Hole 4
Head Sample No. 1
Bed No. 58

Footage Interval	No. Feet	Natural Basis							Field Determination FSI	Dry Basis				
		% Ash	% H ₂ O	% S	% V.M.	% F.C.	% Btu	% FSI		% Ash	% S	% V.M.	% F.C.	% Btu
23.5 - 27.0	3.5	26.88	2.31	1.02	25.52	45.29	9895	1.5	1	27.52	1.04	26.12	46.36	10129

Washability Test
(-1 X 0) @ 1.375

Specific Gravity	Natural Basis Elementary Data								Dry Basis Elementary Data					Dry Basis % Distribution				
	H ₂ O	Weight	% Ash	% S	VM	FC	Btu	FSI	% Ash	% S	VM	FC	Btu	Ash	S	VM	FC	Btu
1.375 Float	2.97	65.05	4.91	1.00	27.36	64.76	13482	2.5	5.06	1.03	28.20	66.74	13895	15.50	73.2	70.2	93.6	80.7
1.375 Sink	1.92	34.95	50.37	0.69			6068	0.0	51.36	0.70			6187	84.50	26.8			19.3
Total		100.00												100.00	100.0			100.0

Drill Hole 8
Head Sample No. 2
Bed No. 58

Footage Interval	No. Feet	Natural Basis							Field Determination FSI	Dry Basis				
		% Ash	% H ₂ O	% S	% V.M.	% F.C.	% Btu	% FSI		% Ash	% S	% V.M.	% F.C.	% Btu
67.8 - 70.8	3.0	7.17	2.57	0.83	27.94	62.32	13268	3.5	3	7.36	0.85	28.68	63.96	13618

Washability Test
(-1" X 0) @ 1.40

Specific Gravity	Natural Basis Elementary Data								Dry Basis Elementary Data					Dry Basis % Distribution				
	H ₂ O	Weight	% Ash	% S	VM	FC	Btu	FSI	% Ash	% S	VM	FC	Btu	Ash	S	VM	FC	Btu
1.400 Float	2.40	81.0	3.46	0.80	29.73	64.41	13842	3.0	3.55	0.82	30.46	65.99	14182	30.9	83.7	86.1	83.6	86.7
1.400 Sink	1.93	19.0	33.24	0.67			9135	1.5	33.89	0.68			9315	69.1	16.3			13.3
Total		100.0												100.0	100.0			100.0

TABLE K
BED 58

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Proximate Analysis
and FSI

Drill Hole 4
Head Sample No. 4
Bed No. 55

Footage Interval	No. Feet	Natural Basis							Field Determination FSI	Dry Basis				
		% Ash	% H ₂ O	% S	% V.M.	% F.C.	Btu	FSI		% Ash	% S	% V.M.	% F.C.	Btu
109.45 - 114.45	5.0	5.41	3.14	.60	28.85	62.60	13450	2.5	2	5.58	.62	29.78	64.64	13886

Washability Test
(-1" X 28 mesh fraction)

Specific Gravity	Natural Basis Elementary Data								Dry Basis Elementary Data					Dry Basis Cumulative Data			
	H ₂ O	Weight	% Ash	% S	VM	FC	Btu	FSI	% Ash	% S	Btu	VM	FC	Weight	% Ash	% S	Btu
Float - 1.300	2.38	53.06	1.90	.60	30.80	64.92	14092	2.5	1.95	.62	14436	31.55	66.50	53.06	1.95	.62	14436
1.300 - 1.350	2.44	35.55	4.52	.52	28.70	64.34	13685	2.0	4.63	.53	14027	29.42	65.95	88.61	3.02	.58	14273
1.350 - 1.400	2.15	5.20	11.88	.76	26.21	59.76	12575	1.5	12.14	.78	12851	26.79	61.07	93.81	3.53	.59	14194

Drill Hole 8
Head Sample No. 5
Bed No. 55

Footage Interval	No. Feet	Natural Basis							Field Determination FSI	Dry Basis				
		% Ash	% H ₂ O	% S	% V.M.	% F.C.	Btu	FSI		% Ash	% S	% V.M.	% F.C.	Btu
156.5 - 161.3	4.8	18.65	2.37	0.60	25.27	53.71	11694	2.5	2.5	19.10	0.61	25.88	55.02	11978

Washability Test
(-1" X 28 mesh fraction)

Specific Gravity	Natural Basis Elementary Data								Dry Basis Elementary Data					Dry Basis Cumulative Data			
	H ₂ O	Weight	% Ash	% S	VM	FC	Btu	FSI	% Ash	% S	Btu	VM	FC	Weight	% Ash	% S	Btu
Float - 1.300	2.61	35.66	2.63	0.76	29.77	64.99	13994	4.0	2.70	0.78	14369	30.57	66.73	35.66	2.70	0.78	14369
1.300 - 1.350	2.26	28.52	5.68	0.62	28.07	63.99	13612	3.0	5.81	0.62	13927	28.72	65.47	64.18	4.08	0.71	14173
1.350 - 1.400	1.93	6.45	12.84	0.63	28.10	57.13	12587	2.5	13.09	0.64	12835	28.65	58.25	70.63	4.90	0.71	14051
1.400 - 1.450	1.84	2.99	19.64	0.62	26.42	52.10	11521	2.0	20.01	0.63	11737	26.92	53.08	73.62	5.52	0.70	13957

TABLE J
BED 55

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Proximate Analysis
and FSI

Drill Hole 4
Head Sample No. 5
Bed No. 54

Footage Interval	No. Feet	Natural Basis							Field Determination FSI	Dry Basis				
		% Ash	% H ₂ O	% S	% V.M.	% F.C.	Btu	FSI		% Ash	% S	% V.M.	% F.C.	Btu
138.0 - 143.1	5.1	11.00	2.92	.99	26.51	59.57	12593	1.0	1.5	11.33	1.02	27.30	61.37	12972

Washability Test
(-1" X 28 mesh fraction)

Specific Gravity	Natural Basis Elementary Data								Dry Basis Elementary Data					Dry Basis Cumulative Data			
	H ₂ O	Weight	% Ash	% S	VM	FC	Btu	FSI	% Ash	% S	Btu	VM	FC	Weight	% Ash	% S	Btu
Float - 1.300	2.31	49.67	1.74	.59	30.39	65.56	14165	2.0	1.78	.60	14500	31.11	67.11	49.67	1.78	.60	14500
1.300 - 1.350	2.53	34.60	3.00	.68	25.22	69.25	13921	1.5	3.08	.70	14282	25.87	71.05	84.27	2.31	.64	14411
1.350 - 1.400	2.24	2.85	9.60	.68	25.22	62.94	12901	1.5	9.82	.70	13197	25.80	64.38	87.12	2.56	.64	14371
1.400 - 1.450	1.75	1.05	16.61	.72			11827	1.5	16.91	.73	12038			88.17	2.73	.64	14343

Drill Hole 8
Head Sample No. 6
Bed No. 54

Footage Interval	No. Feet	Natural Basis							Field Determination FSI	Dry Basis				
		% Ash	% H ₂ O	% S	% V.M.	% F.C.	Btu	FSI		% Ash	% S	% V.M.	% F.C.	Btu
182.3 - 186.9	4.6	4.95	2.68	0.79	26.92	65.45	13659	1.5	1.5	5.09	0.81	27.66	67.25	14035

Washability Test
(-1" X 28 mesh fraction)

Specific Gravity	Natural Basis Elementary Data								Dry Basis Elementary Data					Dry Basis Cumulative Data			
	H ₂ O	Weight	% Ash	% S	VM	FC	Btu	FSI	% Ash	% S	Btu	VM	FC	Weight	% Ash	% S	Btu
Float - 1.300	2.20	48.84	1.81	0.59	29.58	66.41	14190	2.5	1.85	0.60	14509	30.25	67.90	48.84	1.85	0.60	14509
1.300 - 1.350	2.38	43.71	2.64	0.71	25.88	69.10	14037	1.5	2.70	0.73	14379	26.51	70.78	92.55	2.25	0.66	14447
1.350 - 1.400	1.93	2.05	7.94	0.68	24.59	65.54	13253	1.5	8.10	0.69	13514	25.07	66.83	94.60	2.38	0.66	14427
1.400 - 1.450	1.80	1.48	14.84	0.61	23.82	59.54	12250	1.0	15.11	0.62	12475	24.26	60.63	96.08	2.57	0.66	14397

495 TABLE I
BED 54

Proximate Analysis
and FSI

Drill Hole 4
Head Sample No. 7
Bed No. 52

Footage Interval	No. Feet	Natural Basis							Field Determination FSI	Dry Basis				
		% Ash	% H ₂ O	% S	% V.M.	% F.C.	% Btu	% FSI		% Ash	% S	% V.M.	% F.C.	% Btu
332.4 - 339.0	6.6	17.60	2.34	2.32	29.27	50.79	11736	5.0	5	18.02	2.37	29.98	52.00	12017

Washability Test
(-1" X 28 mesh fraction)

Specific Gravity	Natural Basis Elementary Data								Dry Basis Elementary Data					Dry Basis Cumulative Data			
	H ₂ O	Weight	% Ash	% S	VM	FC	Btu	FSI	% Ash	% S	Btu	VM	FC	Weight	% Ash	% S	Btu
Float - 1.300	2.05	30.91	2.34	1.29	31.93	63.68	14227	7.5	2.39	1.32	14525	32.60	65.01	30.91	2.39	1.32	14525
1.300 - 1.350	1.90	23.85	6.29	1.46	30.28	61.53	13595	6.0	6.41	1.49	13858	30.87	62.72	54.76	4.14	1.39	14235
1.350 - 1.400	1.81	10.50	13.91	1.83	30.27	54.01	12412	6.5	14.17	1.86	12641	30.83	55.01	65.26	5.76	1.47	13978
1.400 - 1.450	1.67	6.28	20.02	2.02			11437	4.0	20.36	2.05	11631			71.54	7.04	1.52	13771
1.450 - 1.500	1.66	3.78	25.05	2.19			10615	2.0	25.47	2.23	10794			75.32	7.96	1.55	13622

Drill Hole 8
Head Sample No. 8
Bed No. 52

Footage Interval	No. Feet	Natural Basis							Field Determination FSI	Dry Basis				
		% Ash	% H ₂ O	% S	% V.M.	% F.C.	% Btu	% FSI		% Ash	% S	% V.M.	% F.C.	% Btu
357.6 - 365.3	7.7	28.59	1.90	1.33	24.28	45.23	10145	2.5	4	29.14	1.36	24.75	46.11	10341

Washability Test
(-1" X 28 mesh fraction)

Specific Gravity	Natural Basis Elementary Data								Dry Basis Elementary Data					Dry Basis Cumulative Data			
	H ₂ O	Weight	% Ash	% S	VM	FC	Btu	FSI	% Ash	% S	Btu	VM	FC	Weight	% Ash	% S	Btu
Float - 1.300	2.02	19.36	2.25	1.20	30.92	64.81	14327	7.0	2.30	1.22	14622	31.56	66.15	19.36	2.30	1.22	14622
1.300 - 1.350	1.91	17.75	3.74	1.45	27.73	66.62	13063	3.0	3.81	1.48	13317	28.27	67.92	37.11	3.02	1.34	13999
1.350 - 1.400	1.75	5.43	12.94	1.76	29.51	55.80	12602	6.5	13.17	1.79	12826	30.04	56.79	42.54	4.32	1.40	13848
1.400 - 1.450	1.61	5.39	19.61	1.62	29.20	49.58	11552	5.5	19.93	1.65	11741	29.68	50.39	47.93	6.07	1.43	13612
1.450 - 1.500	1.67	6.98	25.28	1.44			10651	3.0	25.71	1.46	10832			54.91	8.56	1.43	13258

TABLE H
BED 52

495

Proximate Analysis
and FSI

Drill Hole 4
Head Sample 8
Bed No. 51A

Footage Interval	No. Feet	Natural Basis							Field Determination FSI	Dry Basis				
		% Ash	% H ₂ O	% S	% V.M.	% F.C.	Btu	FSI		% Ash	% S	% V.M.	% F.C.	Btu
373.3 - 379.5	6.2	6.33	2.89	.86	28.68	62.10	13521	2.5	3	6.52	.88	29.53	63.95	13923

Washability Test
(-1" X 28 mesh fraction)

Specific Gravity	Natural Basis Elementary Data								Dry Basis Elementary Data				Dry Basis Cumulative Data				
	H ₂ O	Weight	% Ash	% S	VM	FC	Btu	FSI	% Ash	% S	Btu	VM	FC	Weight	% Ash	% S	Btu
Float - 1.300	2.16	73.40	2.27	.83	24.63	70.94	14164	3.5	2.32	.85	14477	25.17	72.51	73.40	2.32	.85	14477
1.300 - 1.350	2.19	20.93	4.19	.75	24.62	69.00	13854	1.0	4.28	.77	14164	25.18	70.54	94.33	2.76	.83	14408
1.350 - 1.400	1.99	2.20	11.02	.83	23.25	63.74	12848	1.0	11.24	.85	13109	23.72	65.03	96.53	2.95	.83	14376
1.400 - Sink	1.59	3.47	54.08	.54			6176	1.0	54.95	.55	6276			100.00	4.75	.82	14095

Drill Hole 4
Head Sample No. 9
Bed No. 51

Footage Interval	No. Feet	Natural Basis							Field Determination FSI	Dry Basis				
		% Ash	% H ₂ O	% S	% V.M.	% F.C.	Btu	FSI		% Ash	% S	% V.M.	% F.C.	Btu
411.9 - 414.2	2.3	5.53	2.59	.93	25.95	65.93	13550	1.5	3	5.68	.95	26.64	67.68	13910

Washability Test
(-1" X 0) @ 1.375

Specific Gravity	Natural Basis Elementary Data								Dry Basis Elementary Data				Dry Basis Cumulative Data					
	H ₂ O	Weight	% Ash	% S	VM	FC	Btu	FSI	% Ash	% S	Btu	VM	FC	Ash	S	VM	FC	Btu
1.375 Float	2.39	85.3	2.55	0.89	26.35	68.71	14014	1.5	2.61	0.91	14357	27.00	70.39	38.7	82.6	86.5	88.8	88.6
1.375 Sink	2.21	14.7	23.55	1.10			10502	1.5	24.08	1.12	10739			61.3	17.4			11.4
Total		100.0												100.0	100.0			100.0

Drill Hole 8
Head Sample 9
Bed No. 51

Footage Interval	No. Feet	Natural Basis							Field Determination FSI	Dry Basis				
		% Ash	% H ₂ O	% S	% V.M.	% F.C.	Btu	FSI		% Ash	% S	% V.M.	% F.C.	Btu
424.8 - 436.7	11.9	4.90	2.51	.68	24.66	67.93	13736	2.0	3.5	5.03	0.70	25.29	69.68	14090

Washability Test
(-1" X 28 mesh fraction)

Specific Gravity	Natural Basis Elementary Data								Dry Basis Elementary Data				Dry Basis Cumulative Data				
	H ₂ O	Weight	% Ash	% S	VM	FC	Btu	FSI	% Ash	% S	Btu	VM	FC	Weight	% Ash	% S	Btu
Float - 1.300	2.18	55.49	1.79	0.66	27.80	68.23	14324	2.5	1.83	0.67	14643	28.42	69.75	55.49	1.83	0.67	14643
1.300 - 1.350	2.25	34.21	3.13	0.58	24.20	70.42	14041	1.5	3.20	0.59	14364	24.76	72.04	89.70	2.35	0.64	14536
1.350 - 1.400	2.02	3.73	8.03	0.59	26.33	63.62	13092	0.5	8.20	0.60	13362	26.87	64.93	93.43	2.59	0.64	14489
1.400 - 1.450	1.98	1.79	12.60	0.65	28.89	56.53	12230	0.0	12.85	0.66	12477	29.47	57.67	95.22	2.78	0.64	14457

TABLE G
BED 51A
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Proximate Analysis
and FSI

Drill Hole 8
Head Sample No. 1
Bed No. 59

Footage Interval	No. Feet	Air Dried Basis							Field Determination	Dry Basis				
		% Ash	% H ₂ O	% S	% V.M.	% F.C.	Btu	FSI	% Ash	% S	V.M. %	F.C. %	Btu	
29.0 - 43.50	14.5	44.89	2.24	0.59	19.69	33.18	7467	1.0	3.5	45.92	0.60	20.14	33.94	7638

Washability Test
(-1" X 28 mesh fraction)

Specific Gravity	Natural Basis								Dry Basis				Dry Basis				
	% H ₂ O	% Weight	% Ash	% S	VM	FC	Btu	FSI	% Ash	% S	Btu	VM	FC	Weight	% Ash	% S	Btu
Float - 1.300	2.78	29.15	2.11	0.81	30.22	64.89	13972	3.5	2.17	0.83	14372	31.08	66.75	29.15	2.17	0.83	14372
1.300 - 1.350	2.46	10.37	5.79	0.86	31.75	60.00	13435	3.0	5.94	0.88	13774	32.55	61.51	39.52	3.16	0.84	14213
1.350 - 1.400	2.31	3.39	11.25	0.84	29.27	57.17	12481	3.0	11.52	0.86	12776	29.96	58.52	42.91	3.82	0.84	14099
1.400 - 1.450	2.26	1.78	17.05	0.83	30.90	49.79	11480	2.5	17.44	0.85	11745	31.61	50.94	44.69	4.36	0.84	14005

TABLE 11
BED 59

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DRILL HOLE UTAH #1

Proximate Analysis

*Carbon Cr
analysis*

Natural Basis

<u>Sample No.</u>	<u>Footage Interval</u>	<u>No. Feet</u>	<u>% Ash</u>	<u>% H₂O</u>	<u>% S</u>	<u>% Volatile</u>	<u>% Fixed Carbon</u>	<u>Btu</u>	<u>FSI</u>
1	73.3 - 75.7	2.4	9.72	1.56	.86	21.13	67.59	13654	2
2	413.6 - 421.6	8.0	5.21	1.28	.71	20.96	72.55	14333	2
3	520.0 - 529.0	9.0	14.35	1.08	.65	19.71	64.86	13032	4
4	130.6 - 133.6	3.0	5.49	1.16	.83	23.91	69.44	14410	2 1/2
5	227.6 - 230.0	2.4	19.23	1.11	.93	22.56	57.10	12225	8 1/2
6	289.0 - 291.0	2.0	21.46	1.31	.98	24.33	52.90	11811	7 1/2
7	292.9 - 294.0	1.1	12.78	0.86	.99	23.65	62.71	13406	8 1/2
8	346.3 - 347.7	1.4	15.47	1.23	.75	18.93	64.37	13154	1
9	613.5 - 617.4	3.9	14.36	1.12	.66	17.81	66.71	13436	1

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DRILL HOLE UTAH #2

Proximate Analysis

*Carbon C₁
Analyses*

Natural Basis

<u>Sample No.</u>	<u>Footage Interval</u>	<u>No. Feet</u>	<u>% Ash</u>	<u>% H₂O</u>	<u>% S</u>	<u>% Volatile</u>	<u>% Fixed Carbon</u>	<u>Btu</u>	<u>FSI</u>
1	72.1 - 73.9	1.80	13.97	1.88	2.75	30.73	53.42	12553	4
2	92.4 - 93.7	1.30	10.21	3.00	1.25	26.77	60.02	12583	1.5
3	135.4 - 142.2	6.80	16.23	2.71	1.38	22.59	58.47	11949	2
4	167.2 - 171.3	4.1	8.80	2.22	1.46	28.30	60.68	13164	4.5
5	281.55 - 283.0	1.45	4.56	2.35	1.25	28.46	64.63	13828	3
6	305.8 - 308.4	2.60	14.92	1.79	1.02	27.58	55.71	12355	7
7	407.5 - 412.5	5.00	15.00	2.03	1.14	25.81	57.16	12253	5.5
8	450.9 - 453.6	2.70	4.57	2.01	.97	26.67	66.75	13930	4

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Natural Basis

Sample No.	Footage	Interval	No. Feet	% Ash	% H ₂ O	% S	% Volatile	% Fixed Car	Btu	FSI
1	76.6	78.7	2.1	8.62	1.50	2.15	27.89	61.99	13556	8.5
2	151.1	152.3	1.2	9.46	1.53	1.23	25.63	63.38	13555	8.5
3	193.3	195.3	2.0	6.67	1.55	.86	25.57	66.21	13860	7.5
4	268.7	274.3	5.6	14.76	1.55	.70	23.41	60.28	12780	7.0
5	285.7	287.1	1.4	21.44	1.02	.83	23.68	53.86	12114	8.0
6	387.0	388.7	1.7	39.00	1.21	.62	17.66	42.13	8826	1.5
7	408.5	411.0	2.5	10.30	1.23	.85	27.83	60.64	13257	8.0
8	519.2	521.1	1.9	5.79	1.19	.69	22.61	70.41	14090	2.0
9	663.4	667.3	3.9	4.90	1.12	.69	24.46	69.52	14437	7.5
10	791.7	793.9	2.2	6.47	1.09	.91	26.74	65.70	13931	8.0
11	847.4	848.5	1.1	4.87	1.06	.60	25.96	68.11	14479	8.5

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DRILL HOLE - UTAH #4

PROXIMATE ANALYSIS

Natural Basis

Sample No.	Footage	Interval	No. Feet	% Ash	% H ₂ O	% S	% Volatile	% Fixed Car	Btu	FSI
1	23.5	27.0	3.5	26.88	2.31	1.02	25.52	45.29	9895	1.5
2	70.1	72.4	2.3	13.63	2.24	1.10	26.82	57.31	12333	5.0
3	74.4	75.7	1.3	9.98	2.33	1.17	29.58	58.11	12879	3.0
4	109.45	114.0	4.55	5.41	3.14	.60	28.85	62.60	13450	2.5
5	138.0	143.1	5.1	11.00	2.92	.99	26.51	59.57	12593	1.0
6	159.3	161.6	2.3	17.44	1.83	1.43	35.45	45.28	11112	3.0
7	332.4	339.0	6.6	17.60	2.34	2.22	29.27	50.79	11736	5.0
8	373.3	379.5	6.2	6.33	2.89	.86	28.68	62.10	13521	2.5
9	411.9	414.2	2.3	5.53	2.59	.93	25.95	65.93	13550	1.5
10	542.8	546.5	3.7	2.36	2.39	.69	25.75	69.50	14180	2.5
11	598.8	605.8	7.0	2.76	3.04	.69	28.76	65.44	14089	4.0
12	683.1	684.6	1.5	13.60	1.77	.85	27.57	57.06	12431	7.0
13	710.9	714.2	3.3	11.13	2.00	1.91	28.80	58.07	12548	3.0
14	740.7	742.1	1.4	4.57	1.98	.90	32.45	61.00	13982	8.0
15	853.4	858.8	5.4	10.24	2.20	2.43	30.36	57.20	12980	7.5
16	926.1	927.6	1.5	4.23	1.55	2.13	29.95	64.27	13672	9.0

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Natural Basis

Sample No.	Footage	Interval	No. Feet	% Ash	% H ₂ O	% S	% Volatile	% Fixed Car	Btu	FSI
1	121.9	127.0	5.1	15.45	3.38	1.23	24.43	56.74	117 93	1.5
2	290.4	292.6	2.2	8.02	1.89	.74	22.74	67.35	133 46	2.0
3	293.8	294.5	1.8	4.52	1.93	.98	34.51	59.04	138 47	7.5
4	315.1	317.0	1.9	9.94	2.10	.96	30.55	57.41	131 50	7.5
5	408.0	415.0	7.0	21.94	1.67	.94	25.01	51.38	113 09	7.5
6	456.8	458.4	1.6	41.44	1.25	2.11	21.78	36.03	82 62	5.0
7	476.3	480.0	3.7	9.48	1.68	1.81	29.99	58.85	133 04	8.5

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DRILL HOLE - UTAH #6

PROXIMATE ANALYSIS

Natural Basis

<u>Sample No.</u>	<u>Footage</u>	<u>Interval</u>	<u>No. Feet</u>	<u>% Ash</u>	<u>% H₂O</u>	<u>% S</u>	<u>% Volatile</u>	<u>% Fixed Car</u>	<u>Btu</u>	<u>FSI</u>
1	18.5	24.5	6.0	3.37	6.79	.71	26.93	62.91	12023	0
2	118.5	120.4	1.9	18.57	1.72	.92	28.38	51.33	11535	3.5
3	169.8	173.6	3.8	3.46	2.67	.69	28.34	65.63	14039	5.0
4	177.9	181.9	4.0	3.27	.81	.77	10.24	85.68	14086	4.0
5	233.2	234.2	1.0	23.10	1.41	1.63	25.30	50.19	11093	7.0
6	274.5	277.2	2.7	2.74	2.17	.92	29.83	65.26	14288	7.5
7	282.8	287.8	5.0	5.28	2.47	.96	28.80	63.45	13797	7.0
8	316.2	317.8	1.6	35.68	1.47	2.60	23.87	38.98	9112	5.5
9	350.4	354.5	4.1	13.81	1.85	1.50	27.69	56.65	12577	8.0
10	667.2	673.2	6.0	42.29	1.57	1.04	21.75	34.39	7947	5.0

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DRILL HOLE - UTAH #7

PROXIMATE ANALYSIS

Natural Basis

<u>Sample No.</u>	<u>Footage</u>	<u>Interval</u>	<u>No. Feet</u>	<u>% Ash</u>	<u>% H₂O</u>	<u>% S</u>	<u>% Volatile</u>	<u>% Fixed Car</u>	<u>Btu</u>	<u>FSI</u>
1	92.8	96.1	3.3	4.45	1.20	.94	30.55	63.80	13921	4.0
2	183.1	196.5	3.4	17.90	2.21	1.60	25.79	54.10	11642	3.5
3	210.6	213.0	2.4	8.90	2.22	1.45	26.18	62.70	13091	3.0
4	231.8	233.3	1.5	5.50	2.04	1.31	31.83	60.58	13688	6.5
5	329.8	333.4	3.6	16.05	1.95	.99	24.69	57.31	12161	4.5
6	429.0	430.0	1.0	3.85	1.77	1.98	30.93	63.45	14229	8.5
7	541.9	544.3	2.4	2.75	1.80	1.82	28.23	67.22	14266	7.5

495

Natural Basis

Sample No.	Footage	Interval	No. Feet	% Ash	% H ₂ O	% S	% Volatile	% Fixed Car	Btu	FSI
1	29.0	43.5	14.5	44.89	2.24	.59	19.69	33.18	7467	1.0
2	67.8	70.8	3.0	7.17	2.57	0.83	27.94	62.32	13268	3.5
3	78.1	79.5	1.4	37.41	2.12	1.14	23.38	37.09	8627	1.5
4	118.9	120.2	1.3	4.09	2.51	1.10	29.41	63.99	13856	6.5
5	156.6	161.3	4.8	18.65	2.37	.60	25.27	53.71	11694	2.5
6	182.3	186.9	4.6	4.95	2.68	.79	26.92	65.45	13659	1.5
7	211.2	212.7	1.5	16.16	2.17	.85	31.82	49.85	11397	2.5
8	357.6	365.3	7.7	28.59	1.90	1.33	24.28	45.23	10145	2.5
9	424.8	436.5	11.9	4.90	2.51	.68	24.66	67.93	13736	2.0
10	479.4	480.8	1.4	13.72	2.39	1.15	28.78	55.11	11914	1.5
11	511.6	513.0	1.4	7.30	1.67	4.18	29.85	61.18	13662	7.5
12	535.2	536.4	1.2	30.99	2.22	1.01	21.21	45.58	97.44	5.5
13	563.8	569.3	5.5	25.65	2.10	1.02	18.92	53.33	10583	2.0
14	591.3	597.3	6.0	3.05	2.92	.81	24.93	69.10	14017	2.5
15	717.7	719.3	1.6	4.26	2.48	.91	26.56	66.70	14122	4.0
16	728.2	729.2	1.0	4.68	1.78	1.80	29.91	63.63	12677	8.0

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DRILL HOLE - UTAH #9

PROXIMATE ANALYSIS

Natural Basis

Sample No.	Footage	Interval	No. Feet	% Ash	% H ₂ O	% S	% Volatile	% Fixed Car	Btu	FSI
1	252.2	253.3	1.1	13.22	1.57	1.27	24.69	60.52	11181	6.0
2	293.7	294.7	1.0	10.54	1.57	1.74	28.05	59.84	13170	5.0
3	310.6	313.1	2.5	29.17	1.41	.86	20.94	48.48	10221	6.5
4	353.6	354.6	1.0	33.50	1.42	1.14	22.21	42.87	9635	7.0
5	360.8	366.7	5.9	36.55	1.72	.71	18.97	42.76	9128	4.5
6	390.5	391.7	1.2	14.96	1.33	.96	25.12	58.59	12517	7.0
7	472.7	473.9	1.2	2.89	1.26	1.06	30.48	65.37	14659	8.0

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