



BOREHOLE: W1-1u

Drilled by:

00720 (1)

Dates: Feb 4/94 to: Feb 26/94

Location: Protection Slope

No. 1 Bore W1-1u

Collar:

Total Depth: 34'6

Log Source: 436/146/1

LITHOLOGY	THICK'	DEPTH'	LITHOLOGY	THICK'	DEPTH'
Sh, sf		2			
Sdy sh		7			
Sh, hd		9'2			
Cgl, v hd		12			
Sst & cgl, sm bands		14			
of		14			
Sst		15'3			
Cgl, veg		17			
Sst, hd		18			
Sdy sh		19			
Sst (w combgs @ 22')		25'2			
Coal, good, hard	0'8	25'10			
Sdy sh	0'6	26'4			
Coal, good, hard	1'8	28			
Sh, bn	0'3	28'3			
Coal, good, hard	1'6	29'9			
Sh, sf, bn		30'6			
Sdy sh		33'0			
Sst		34'6			



BOREHOLE: W. 1-24

Drilled by: 00720

Dates: Mar 2 to: Apr 5 1894

Location: Protection Slope

No. 2 Bore W1-2U

Collar: Total Depth: 60'0

Log Source: 146/1

LITHOLOGY	THICK'	DEPTH'	LITHOLOGY	THICK'	DEPTH'
Sh, sf		5'3			
Cgl, hd & cg		7			
Cgl		9			
Cgl, softer		14			
Cgl w sm bds of sst		16			
Sst w co mbs (small) at 21'		21			
Cgl, v hd		28			
Cgl		33'9			
Sst		35'6			
Sdy sh		36'2			
Coal, good, hard	1'10	38			
Black dirt	0'7	38'7			
Sh, sf, brown	3'5	42			
Sh	14'3	56'3			
Coal v sf & dirty	0'2	56'5			
Sh, bn	3'7	60			



BOREHOLE: W 1-3u

Drilled by: **00720** Dates: Apr 9 to Jul 26/94

Location: No. 2 Stall, South Protection Level. No. 3 Bore W 1-3u

Collar: Total Depth: 143'6" Log Source: 146/1

LITHOLOGY	THICK'	DEPTH'	LITHOLOGY	THICK'	DEPTH'
Cal, hd		3'2"	Cal		143'6"
Cal, hd & cg		6			
Cal, hd		9			
Cal		13			
Cal, vhd		19			
Cal		21			
Cal, fg		23			
Sst, w coal mgs @ 23'		28			
Cal, fg		30			
Sst w a few pebbles		31'6"			
Sst, w coal mgs 31'6" → 328'; light mgs, 36'		45			
Cal		46			
Sst		48			
Cal		48'6"			
Sst, w coal mgs @ 53'6"		63'3"			
Cal		64'3"			
COAL mgs, nearly	1/8"	64'3 1/2"			
Cal		69			
Cal, fg but hd		70			
Cal		73			
Cal		81			
Cal, vhd & cg		83			
Cal w coal mgs @ 84'2"		86'2"			
COAL	1/2"	86'2 1/2"			
Sst, w coal mgs to 88'7"		90			
Cal, vhd		124			
Cal, softer		129			
Cal, a little finer w a limon. subst. between the pebbles.		133			
Cal		135			
Cal, fg		137			

BOREHOLE:

W-4u

Drilled by:

00720

Dates: Aug 2

to: Oct 6/94

Location:

No. 4 Bore: about 60 yards south of No. 3 Bore

W-4u

Collar:

Total Depth: 102'

Log Source: 146/1

LITHOLOGY	THICK'	DEPTH'	LITHOLOGY	THICK'	DEPTH'
Cgl, vhd & cg		5			
Cgl, vhd		7			
Cgl, vhd		9			
Cgl, vhd		19			
Cgl, a little finer		24			
Sst		25			
Sst		33			
Sst		46			
Sst		47			
Sst		48'6"			
Sst		48'10"			
Sst		53			
Sst		57			
Cgl - at 55'9" EXPOS considerably broken					
Sst, H coal mks at 61'3-61'10; 64'3-64'9		67'3"			
COAL	0 1/8"	67'3 1/2"			
Sst		71			
Cgl, vhd.		72'8"			
Cgl, vhd.		74'8"			
Sst		75			
Cgl		79			
Cgl, cg		80			
Cgl		80'8"			
Sst, H co mks @ 81'8-82'2"		82'8"			
Cgl, hd & cg		84			
Cgl		87			
Sst		99'2"			
Cgl, vhd		103'6"			
Sh ptg, bn.		103'8"			
Cgl, burnt limy substance between the pebbles.		102'			



Drilled by: 00720

Dates: Oct 15

to: Nov 27 1894

Location: No. 3 Level - No. 5 Bore

W-1-5u

Collar: \_\_\_\_\_ Total Depth: 63'

Log Source: 146A

LITHOLOGY	THICK'	DEPTH'	LITHOLOGY	THICK'	DEPTH'
Sh, sf		4			
Cgl, v hd		23			
Sst, v lt co w/kg		30			
37'6-38'0					
Sst w a few pebbles to 34'2		34'3			
Sst, lt co ptg 35'8; 1/2" co ptg 37'3; lt co w/kg 40'0		43'7			
COAL: 3" sf + 5" hd	0'8	44'3			
Sh, v sf, much like clay	0'9	45			
COAL: hd & good	3'3	48'3			
Sh, bk, rotten		51			
Sh, bush co ptg @ 53'3		54			
Sh, black		58			
Sh; 2" coal ptg 60'2-60'4.		63			

BOREHOLE: W1-6u

Drilled by: 00720

Dates: Nov 3/94 to: Feb 7/95

Location: No. 6 bore: No. 3 Counter Level, No. 1 Shaft, On the slope, in X to sump  
just below # 3 N.

Collar: \_\_\_\_\_ Total Depth: 94' Log Source: 146/1 W1-6u



LITHOLOGY	THICK'	DEPTH'	LITHOLOGY	THICK'	DEPTH'
Cgl, hd to vhd		34			
Sst w a few pebbles all through it:		41			
co mks, Tight, 40g → 4'0		4			
Cgl, hd		44			
Sst w a few pebbles at 49', 52'8, 53'6, 60'6, 65'6 → 66'6		69'9			
Black dirt, v sf.		81'5			
COAL	0'4"	81'9			
Sh, sf, black		87			
Sh, sf		94			



BOREHOLE:

WI-7a  
to: Mar 8/95

Drilled by: 00720

Dates: Feb 13

Location: No. 7 Bore: Diagonal Slope-

WI-FU

Collar: \_\_\_\_\_ Total Depth: 40'

Log Source: 146/1

LITHOLOGY	THICK'	DEPTH'	LITHOLOGY	THICK'	DEPTH'
Sh		3			
Sh		6			
Sh, sf		8			
Sh		16			
Sh, hd		18			
Sh		20			
Sh, fg		22			
Sh, v hd		29 3/4			
COAL, good, hard	1' 5/8	30' 8 1/2			
COAL, soft, dirty	0' 3	30' 11 1/2			
COAL, good, hard	0' 4	31' 3 1/2			
Rock parting	0' 2	31' 5 1/2			
COAL, good, hard	2' 10	34' 3 1/2			
Sdy Sh	1' 10 1/2	36' 2			
COAL	0' 1	36' 3			
Sh		39			
Sh, v sf		40			



BOREHOLE:

WI-8u  
to: May 5, 1895-

Drilled by: 00720

Dates: Mar. 22

Location: No. 8 Bore: Protection Island Level.

WI-8U

Collar:

Total Depth: 75'

Log Source: 146/1

LITHOLOGY	THICK'	DEPTH'	LITHOLOGY	THICK'	DEPTH'
Sh, sf		2			
Ggl, hd		18			
Ggl, hd, cg		22			
Ggl, hd		25			
Ggl, hd, fg		28			
Ggl, v sdy & sf		29			
Sst, a few pebbles					
31'-32 1/2' co mkg s					
33'-39' 2		39' 8			
COAL & bk sh mixed	0' 4	40			
Slate rock, bk, & COAL	0' 5	40' 5			
Sh	0' 5	40' 10			
COAL, v H & extra	0' 9	41' 7			
oassy					
Sh		44' 2			
Sst, fg, hd		46' 0			
Sh, sf, bk		50' 0			
Sst		51' 6			
Sh		57			
Sdy sh		58' 8			
COAL	0' 8	59' 4			
Sh, v sf		68' 0			
Sh		74			
Sh, sf		75			



BOREHOLE: W1-9u W1-9u

Drilled by: 00720

Dates: May 16 to June 20/95

Location: No. 9 Barb: Counter-diagonal slope, 2nd xcut below big cut

Collar: Total Depth: 79'3 Log Source: 146/1

LITHOLOGY	THICK'	DEPTH'	LITHOLOGY	THICK'	DEPTH'
Sh, sf		17			
Sdy sh		24			
Sdy sh, hd		25			
COAL, good, hard	2'7	27'7			
COAL, sf, dty, or mining.	2'4	29'11			
Sh, v. sf, w co m lgs		36			
Sh, sf		42			
Sh, sf		44			
Sh		62			
Sh, sf		66			
Sh		67'9			
COAL	0'1/2	67'10 1/2			
Sh		79'3			



BOREHOLE: WI-10u  
 Drilled by: 00720 Dates: Jun 25 to: Aug 8/95  
 Location: No. 10 bore - 100 yards below #9.  
 Collar: \_\_\_\_\_ Total Depth: 65'6 Log Source: 146/1  
WI-10u

LITHOLOGY	THICK'	DEPTH'	LITHOLOGY	THICK'	DEPTH'
Sh, sf		3			
Sh		6			
Sdy sh		12			
SST, con mgs 29'3- 29'6		36'0			
COAL, GOOD, HARD	2'5	39'3			
Rock	0'1	39'4			
Soft mining	0'7	39'11			
Parting	0'7	40'6			
COAL	1'7	42'1			
Sf dirt		42'4			
Sh, sf		45			
Sh		52			
Sdy sh		54			
SST		57			
Sh, sf		65'6			



BOREHOLE:

W1-11u

Drilled by:

No. 11 bore 00720

Dates: Aug 15

to: Oct 5/95

Location:

Main Slope, No. 1 Shaft, ca. 200' W of #7 S Level

W1-11u

Collar:

Total Depth: 107

Log Source: 146/9

LITHOLOGY	THICK'	DEPTH'	LITHOLOGY	THICK'	DEPTH'
Sf sh & coal, mixed	1'5	1'5			
Sh, sf		5			
Sh		15			
Sdy sh, hd		17			
Sst, hd		19			
Sdy sh		23			
Sh, sf		29			
Sdy sh, lt		32			
Sh		40			
Sh, sf		43			
Sh		46			
Sdy sh, hd, blue		52 1/2			
Sh, w/lt mcls 54 1/3 - 55 1/3		59			
Sh, v sf, w/lt mcls 60 1/6 - 60 1/9		64			
Sh		66			
Sh, v sf		73			
Sh		79			
Sh, v sf		86			
Sh		93			
Sh, v sf		96			
Sh		98			
Sh, v sf		107			



BOREHOLE:

W1-12a

Drilled by:

00720

Dates:

to:

W1-12u

Location: Bore No. 12 On No. 1 level, Boyce's Incline, more than 250' below Bore No. 16

Collar:

Total Depth:

74'0

Log Source:

446/1

LITHOLOGY	THICK'	DEPTH'	LITHOLOGY	THICK'	DEPTH'
Sh, v sf		2			
Sh		7			
Cgl, fg, sf		9			
Cgl, hd		20			
Sst + cgl mixed		21'6			
Sst w sm cgl streaks		32'3			
COAL, ptg, sf	0'2	32'5			
Sst		35			
Sst, hd		37			
Sst		42			
Sst, v cg		42'9			
COAL, good, hd	1'1	44'8			
Rock cgl, ptg	0'10	45'6			
COAL, good	0'11	46'5			
Sh, v sf	2'7	49			
COAL, good, hd	0'9	49'9			
Sh, sf		52			
Sh		65'4			
Sdy sh, v hd		66'7			
Sh, sf		74			



Drilled by:

00720

Dates: Dec 6/95 to: Jan 29/96-

Location: No. 13 Bore - No. 1 level at the Wet Incline (sic)

W1-13u

Collar:

Total Depth: 76'0"

Log Source: 146/1

LITHOLOGY	THICK'	DEPTH'	LITHOLOGY	THICK'	DEPTH'
Sh, sf		1			
Cgl, sf		3			
Cgl, hd or v hd		20			
Cgl, sf		23			
Sst.		26			
Sst, fs, hd		36			
Sst		419			
Sst, pebbly		439			
Sst, lt con frags		61			
439-472, 588-60, pebbly 52'6-53					
COAL, good	2'3	63'3			
COAL and rock, ptg	0'3	63'6			
COAL, good, hard	1'2	64'8			
Sdy Sh	2'4	67			
Sh, sf	6'3	73'3			
COAL	0'1/2	73'4 1/2			
Sh		76'0			



BOREHOLE:

W1-14u

Drilled by:

00720

Dates: May 14

to: June 20/96

No. 14 Bore

Location: Diagonal Slope: Not plotted on plan.

W1-14u

Collar:

Total Depth: 90

Log Source: 46/1

LITHOLOGY	THICK'	DEPTH'	LITHOLOGY	THICK'	DEPTH'
Sh, sf		13			
Sh, H co mkg 20'9-		32'8			
21'3					
Sdy sh		34			
Sst, -fg, hd, 1/4"		59'8			
co kg at 42'4,					
H co mkg 47'9-					
51'2					
COAL	0'4	60			
COAL & rock, sf,	1'0				
v gassy		61			
Sh, sf, wkt (fireclay)	1'6	62'6			
COAL, good, clean		63'9			
Sf bk dt, v gassy		66			
Sh, sf, bk		72			
Sh		90			



BOREHOLE: W1-15u

Drilled by: 00720

Dates: June 25 to: July 11/96

Location: No. 15 Bore: Protection Main Slope: Not plotted on plan W1-15u

Collar: Total Depth: 43 Log Source: 146/1

LITHOLOGY	THICK'	DEPTH'	LITHOLOGY	THICK'	DEPTH'
Sh, sf		3			
Sdy sh		14			
"A regular shell bed"		14'9			
Sdy sh shells @	17'9	18'6			
COAL ("soft")	1'1	19'7			
Sh, sf, white	2'8	22'3			
Sf bk dirt	2'10	25'1			
COAL, good, hd	0'8	25'9			
Bk dt	0'6	26'3			
Sh, v. sf, bk	2'9	29'0			
Sh, sf, caves badly	14'0	43'0			



BOREHOLE:

Drilled by:

00720

Dates: Jul 16

WI-16u to: Aug 25/96-

Location: No. 16 Bore - Lamb's Incline

WI-16u

Collar:

Total Depth: 79

Log Source:

146/1

LITHOLOGY	THICK'	DEPTH'	LITHOLOGY	THICK'	DEPTH'
Sh, sf		2			
Sh, sdy		4			
Cgl, sf & crumbling		5			
Cgl, hd		19			
Cgl, cg, hd		26			
Cgl & sst		28			
Sst, a few pebbles at 33 1/2"; sm co mlgs at 43', 44'- 46'		58 1/2			
COAL parting	0'2"	58 3/8			
Sst	1'10"	60 1/8			
COAL, good, hard	2'0"	62 1/8			
Parting	1'0"	63 1/8			
COAL, good	0'10"	64 1/4			
Sh, sf	7'2"	71 1/8			
COAL	0'1 1/2"	71 7/8			
Sh		79			

WATER CONTROL STUDY:

BOREHOLE:

W1-7u

17u

Drilled by:

00720

Dates: UP: Feb 26 DN: Nov 22

TO: Mar 5/99 Dec 9/99

Location: Holes drilled in No. 1 Shaft at end of No. 1 Level (Not on plan but ca. can find roughly)

Collar:

Total Depth: UP: 24'8" DN: 70'2"

Log Source: 146/1 W1-7u

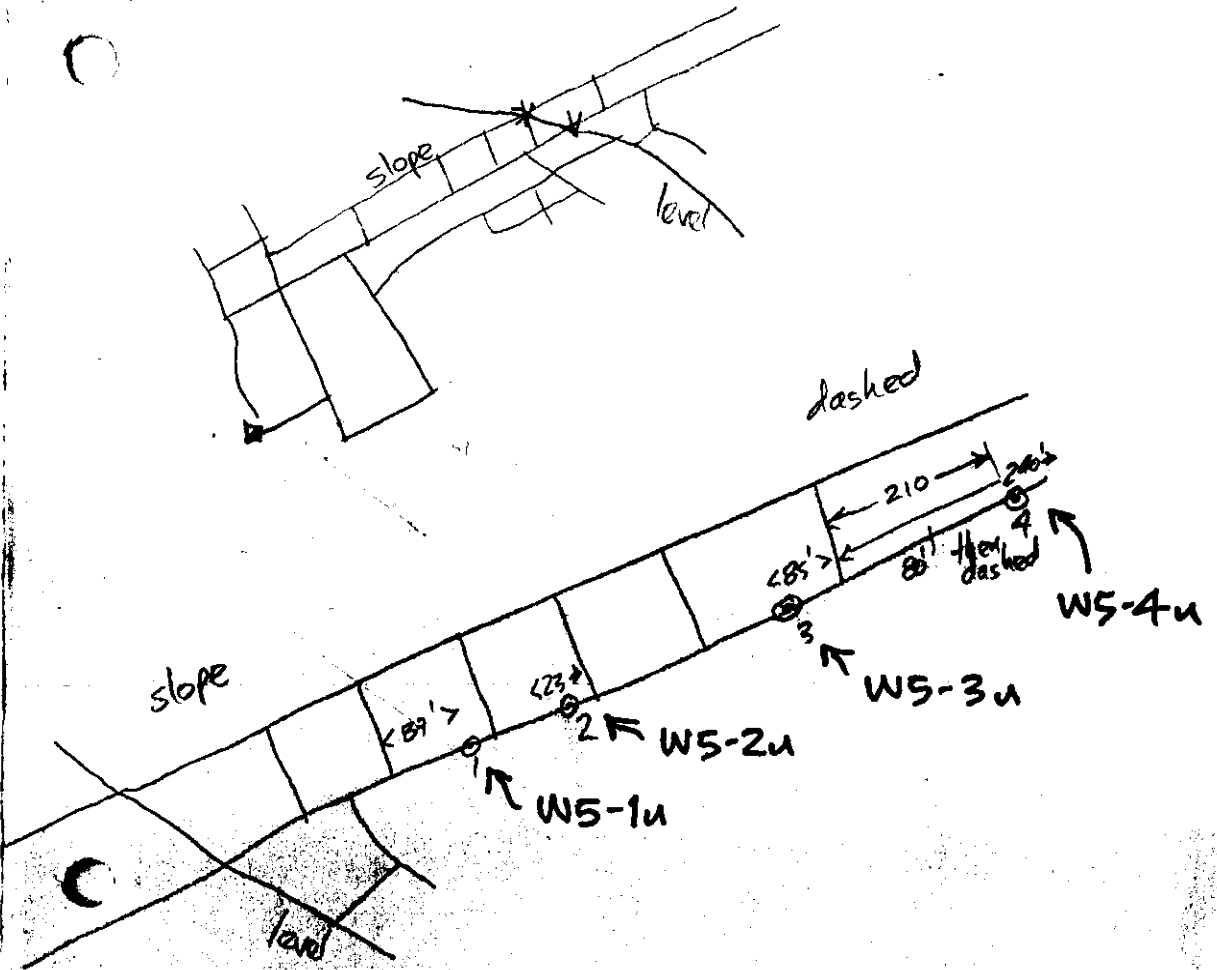


LITHOLOGY	THICK'	DEPTH'	LITHOLOGY	THICK'	DEPTH'
Sdy sh	6'8	24'8			
Sh, gy, co mags 14 to 15'3	10'8	18'0			
Sh, bk	0'2	7'4			
Sh, gy	1'4	7'2			
Sdy sh	3'4	5'10			
Sh, tbn, w co mags	1'2	2'6			
Cg l	0'10	1'4			
COAL & SH	0'6"	0'6			
UP: (starts in roof over UP: down-hole)					
DOWN:					
Sh		4'8			
Cg l		22'3			
Sst		52'3			
Sh		52'8			
COAL	2'3	54'11			
Sh		56'9			
Sh		70'2			

00720 (2)

Locations of W5-series holes.

W5-1u - W5-4u.



SKETCH TRACED FROM AFB NOTES  
IN 436/146/1

LOCATION OF UBS'S IN NOS MINE  
[SOUTHFIELD]

UTM's derived by plotting onto composite  
map and scaling co'ords:

W5-1u	34,115 mE	41,335 mN
-2u	34,130 mE	41,380 mN
-3u	34,180 mE	41,510 mN
-4u	34,215 mE	41,600 mN

VAN DYKE ISLAND COAL SHAFT

00720

BOREHOLE: ~~W5-1u~~ W5-1u

Drilled by:

Dates: Aug 8 to Aug 11, 1899

Location: [HAND DIAMOND BORE 1 AT NO. 5 SHAFT]

W5-1u

Collar:

Total Depth: 30' 8"

Log Source: 436/146/1

LITHOLOGY	THICK'	DEPTH'	LITHOLOGY	THICK'	DEPTH'
Shale, black		14'4			
Cal		16'0			
Sh, black		17'6			
COAL (3' core)	3'0	20'6			
Sh, black		30'8			

00720

BOREHOLE: UHB-2a W5-2u

Drilled by: \_\_\_\_\_

Dates: Aug. 12 to: Sept. 1 1899

Location: HAND DIAMOND BORE & ATNO. 5 SHAFT

W5-2u

Collar: \_\_\_\_\_ Total Depth: 128'2

Log Source: A36/146/1

LITHOLOGY	THICK'	DEPTH'	LITHOLOGY	THICK'	DEPTH'
Shale		11'8			
Shale, black		13'6			
COAL (1" core)	2'8	16'2			
Shale		16'2			
Sst		124'1			
Shale		128'2			



00720

BOREHOLE:

~~W5-3u~~ W5-3u

Drilled by:

Dates: Sept. 2

to: Sept. 28 [1899]

Location:

[Hand diamond core 3 at No. 5 shaft]

W5-3u

Collar:

Total Depth:

Log Source:

436/146/1



12-303

LITHOLOGY	THICK'	DEPTH'	LITHOLOGY	THICK'	DEPTH'
Shale		29'4			
Cal - at 38'2"		43'0			
struck a strong feeder of gas					
Shale		45'6			
COAL (no core)	1'6	47'0			
Shale		48'8			
COAL (no core)	0'8	49'4			
Shale		90'5			
Sst (may have been conglomeratic around 93'4")		100'10			
Sh, black		102'10			
Sh		154'10			

00720

ISLAND COAL STR.

BOREHOLE:

~~W5-4u~~ W5-4u

Drilled by:

Dates: Oct. 4 to Oct. 28, 1899

Location [Hand diamond bore 4 at No. 5 shaft]

W5-4u

Collar: Total Depth: 125'10

Log Source: 436/146/1

LITHOLOGY	THICK'	DEPTH'	LITHOLOGY	THICK'	DEPTH'
Shale		43'8			
COAL (core 2")	1'4	45'0			
Shale		47'10			
COAL (no core)	1'6	49'4			
Shale		59'5			
Cl		71'9			
Sh		73'9			
COAL (core 8")	1'10	75'7			
Sh		76'1			
COAL (no core)	0'8	76'9			
Sh		125'10			

NATIONAL  
12-383

77 Cranberry C-77  
CHEMICAL LABORATORY

OF

CANADIAN COLLIERIES (DUNSMUIR), LIMITED

CERTIFICATE OF ANALYSIS

UNION BAY, B.C., September 10th. 1943.

Laboratory Number 43-2926

Sample of Bore Hole #77. received Sept. 7th. 1943.

Marked Bore Hole # 77. Cranberry District. 181' 2" to 184' 11" 45"

Analysis:

Moisture : 1.22 %

Volatile : 38.24 %

F. Carbon : 51.03 %

Ash : 9.51 %

Sulphur : .32 %

Calorific Value : 13,213 B.T.U.s.

Coke : Fairly good.

Remarks:

Respectfully Submitted,

*[Handwritten Signature]*

CHEMIST

To: H. Baird Esq., ccs. HRP.  
RKS  
ESF

00720

78 Cranberry C-78  
CHEMICAL LABORATORY

OF  
CANADIAN COLLIERIES (DUNSMUIR), LIMITED

**CERTIFICATE OF ANALYSIS**

UNION BAY, B.C., September 10th, 1945.

Laboratory Number 43-2927

Sample of Bore Hole # 78. received Sept. 7th, 1945.

Marked Bore Hole # 78. Cranberry District. 285' 6" to 286' 3" 33".

Analysis:

Moisture : 1.17 %

Volatile : 37.79 %

F. Carbon : 49.47 %

Ash : 12.57 %

Sulphur : .41 %

Calorific Value : 12,560 B.T.U.s.

Coke : Fairly good.

Remarks:

Respectfully Submitted,

*J. V. Cranberry*  
CHEMIST

To: H. Baird Esq., ccs. HRP.  
RCB.  
PSF.

00720

79 Cranberry C-79

CHEMICAL LABORATORY  
OF  
CANADIAN COLLIERIES (DUNSMUIR), LIMITED

CERTIFICATE OF ANALYSIS

UNION BAY, B.C., September 10th, 1943.

Laboratory Number 43-2928

Sample of Bore Hole # 79. received Sept. 7th, 1943.

Marked Bore Hole # 79, Cranberry District. 182' 6" to 185' 2" 32 "

Analysis:

Moisture : 1.23 %

Volatile : 38.42 %

F. Carbon : 51.26 %

Ash : 9.09 %

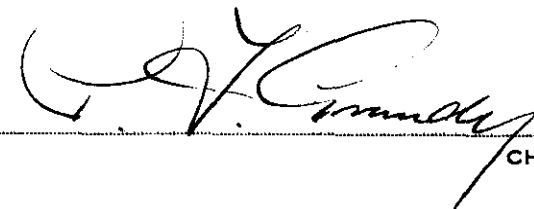
Sulphur : .33 %

Calorific Value : 13,286 B.T.U.s.

Coke : Fairly good.

Remarks:

Respectfully Submitted,

  
CHEMIST

To: H. Baird Esq., ccs HRP.

HKS.  
PSF.

00720

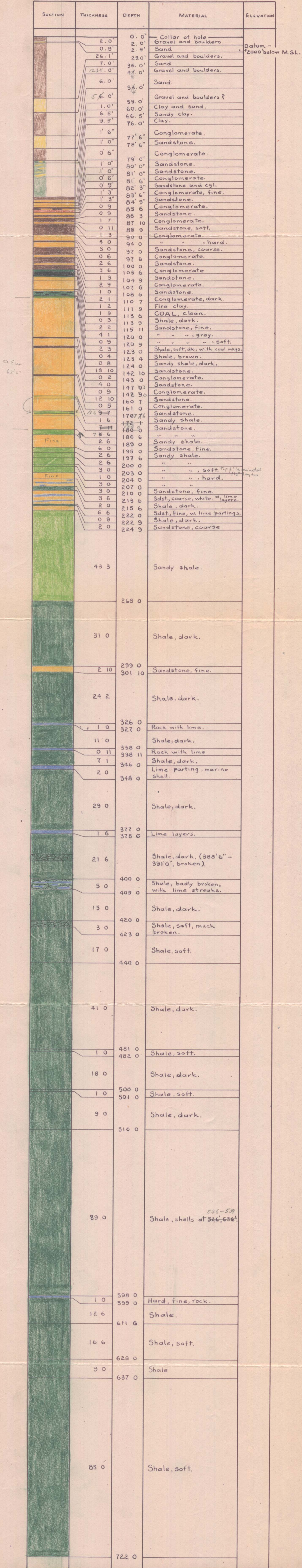


00720 (4)

L-1

# NANOOSE WELLINGTON COLLIERIES LANTZVILLE

BORE HOLE NO. 1  
Middle of shoreline of D.L. 37, Wellington Dist.  
Scale: 1 inch = 20 feet



18 Feb 6  
Drilled: Nov, 1911 - March 1912.  
By: W.H. Wall, Contractor  
W.H. Wall Driller



00720

L-2

NANOOSE - WELLINGTON COLLIERIES  
LANTZVILLE

BORE HOLE NO. 2  
27 ch. W. of N.E. corner post, D.L. 53, Wellington Dist.  
Scale: 1 inch = 20 feet.

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
		0' 0"	Collar of hole	
	5' 0"	5' 0"	Gravel and boulders.	Datum - 2000' below M.S.L.
	37' 0"		Sand and clay.	
	4' 0"	42' 0"	Clay and gravel	
	15' 0"	46' 0"	Clay and sand.	
	30' 6"	61' 0"	Gravel and boulders.	
	0' 6"	91' 6"	Large boulder	
	9' 0"	92' 0"	Gravel and boulders	
	0' 9"	101' 0"	Boulder.	
	4' 3"	101' 9"	Gravel and boulders.	
	2' 0"	105' 0"	Boulders.	
	8' 0"	107' 0"	Gravel and boulders.	
	0' 6"	115' 0"	Large boulder.	
	11' 6"	115' 6"	Gravel and boulders.	
	3' 0"	127' 0"	Hard gravel.	
	3' 0"	130' 0"	Gravel	
	7' 0"	133' 0"	Sand.	
	8' 0"	140' 0"	Gravel.	
	12' 0"	148' 0"	Gravel and boulders.	
	1' 0"	160' 0"	Gravel.	
	6' 0"	161' 0"	Conglomerate, soft.	
	17' 0"	167' 0"	Conglomerate.	
	12' 0"	184' 0"	Conglomerate, hard.	
	1' 6"	196' 0"	Sandstone, soft, white.	
	24' 6"	197' 6"	Conglomerate, hard and coarse 200' - 201' 6"	
	3' 9"	222' 0"	Sandstone.	
	0' 9"	225' 9"	Shale, dark, coal layers.	
	0' 11"	226' 6"	COAL, clean.	
	0' 2"	227' 5"	Shale and COAL.	
	0' 10"	227' 7"	Shale, dark.	
	3' 9"	228' 5"	Shale.	
	1' 1"	232' 2"	COAL, clean.	
	0' 5"	233' 3"	Shale and COAL.	
	1' 6"	233' 5"	COAL, clean.	
	1' 10"	237' 0"	Shale	
	4' 3"	241' 3"	Sandy shale	
	0' 3"	241' 6"	Shale, dark with COAL.	
	0' 8 1/2"	242' 2 1/2"	COAL, clean.	
	3' 11 1/2"	246' 2 1/2"	Sandy shale	
	0' 6"	246' 8"	Shale, dark, and COAL.	
	0' 4"	247' 2"	COAL, clean.	
	0' 3"	247' 5"	Shale, dark, coal markings.	
	4' 3"	251' 8"	Shale.	
	0' 6"	252' 4"	Shale, dark, coal markings.	
	1' 9"	253' 3"	COAL, clean.	
	0' 2"	253' 5"	COAL and shale.	
	2' 6"	256' 1"	Sandy shale	
	0' 6"	256' 7"	Sandstone.	
	1' 3"	258' 0"	Sandy shale.	
	0' 4"	258' 4"	COAL	
	0' 5"	258' 9"	Shale and COAL.	
	0' 1"	259' 0"	COAL.	
	1' 0"	260' 0"	Shale and COAL.	
	0' 5"	260' 5"	COAL, clean.	
	0' 5"	260' 10"	Shale.	
	2' 3"	263' 1"	COAL, clean	
	0' 4"	263' 5"	Shale.	
	1' 6"	264' 11"	Conglomerate.	
	3' 0"	267' 11"	Sandstone	
	2' 0"	269' 11"	Sandy shale	
	30' 4"		Sandstone and fine sandstone.	
	1' 0"	300' 3"	Conglomerate.	
	9' 6"	301' 3"	Sandstone, fine.	
	0' 6"	310' 9"	Conglomerate.	
	6' 9"	311' 3"	Sandstone, fine.	
	78' 6"	318' 0"	Sandy shale.	
	2' 0"	396' 6"	Shale, dark.	
	0' 6"	398' 6"	Sandstone.	
	21' 0"	399' 0"	Shale, dark.	
	1' 0"	420' 0"	Sandy shale.	
	20' 0"	421' 0"	Shale, dark.	
		441' 0"		

CAEWt  
54' 7"

Drilled: Feb. 26 - April 6, 1912.  
By: F.H. Wall, driller.  
W.H. Wall, contractor.



00720

L-3

NANOOSE - WELLINGTON COLLIERIES  
LANTZVILLE

BORE HOLE NO. 3

6 1/2 ch. S.E. of N.W. corner post, D.L. 47, Wellington Dist.

Scale: 1 inch = 20 feet.

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
		0' 0"	Collar of hole	
	3' 0"	3' 0"	Boulders.	Datum - 2000' below M.S.L.
	15' 0"	18' 0"	Sand.	
	7' 0"	25' 0"	Gravel and boulders.	
	15' 0"	40' 0"	Clay.	
	7' 0"	47' 0"	Gravel and boulders.	
	38' 0"	85' 0"	Clay.	
	10' 0"	95' 0"	Gravel and boulders.	
	30' 0"	125' 0"	Clay and sand.	
	10' 0"	135' 0"	Gravel and sand.	
	3' 0"	138' 0"	Fine sand.	
	7' 0"	145' 0"	Gravel.	
	27' 0"	172' 0"	Hard, fine gravel	
	2' 0"	174' 0"	Granite boulder.	
	5' 0"	179' 0"	Fine sand.	
	1' 0"	180' 0"	Hard gravel.	
	4' 0"	184' 0"	Sand and clay.	
	13' 0"	197' 0"	Clay.	
	3' 0"	200' 0"	Clay and sand.	
	55' 0"		Clay, sandy.	
	9' 0"	255' 0"	Gravel.	
	1' 0"	264' 0"	Fine gravel	
	2' 0"	266' 0"	Sandy shale.	
	8' 0"	274' 0"	Shale, soft, with fossil leaves.	
	3' 0"	277' 0"	Sandy shale.	
	3' 0"	280' 0"	Shale, dark.	
	0' 0"	286' 0"	Shale, with coal markings.	
	0' 0"	286' 6"	COAL and shale.	
	0' 0"	287' 0"	Shale, dark, with coal marking.	
	3' 0"	290' 0"	Shale.	
	0' 0"	291' 0"	Shale, dark.	
	0' 0"	292' 0"	Shale, dark, with coal layers.	
	0' 0"	293' 0"	COAL.	
	1' 2"	294' 2"	COAL and shale.	
	0' 4"	294' 6"	Shale.	
	0' 3"	294' 9"	Shale with COAL.	
	0' 11"	295' 10"	COAL, clean.	
	0' 3"	296' 4"	COAL and shale.	
	0' 6"	296' 10"	Shale, dark.	
	1' 0"	297' 10"	Shale.	
	0' 10"	298' 10"	Shale with COAL layers.	
	0' 3"	298' 11"	COAL, clean.	
	0' 3"	300' 0"	Fireclay.	
	0' 3"	300' 3"	COAL, dirty.	
	0' 3"	300' 6"	Shale, dark.	
	3' 0"	303' 0"	Fireclay.	
	0' 9"	303' 9"	Shale, light.	
	0' 10"	304' 9"	Shale, dark.	
	0' 10"	305' 9"	Shale, dark, with coal layers.	
	0' 9"	306' 8"	Sandstone.	
	0' 5"	307' 3"	Shale, with COAL layers.	
	0' 5"	307' 8"	Shale and COAL.	
	0' 6"	308' 4"	Shale, dark.	
	0' 3"	309' 1"	Shale, dark, with COAL layers.	
	0' 1"	309' 11"	COAL, clean, soft.	
	0' 3"	310' 4"	Shale and COAL.	
	0' 3"	310' 7"	Shale.	
	0' 1"	311' 7"	Shale and COAL.	
	0' 0"	312' 7"	COAL, clean.	
	0' 0"	312' 7"	COAL, dirty.	
	0' 0"	312' 7"	Shale, clean.	
	0' 0"	312' 7"	Shale, light.	
	0' 0"	312' 7"	Sandy shale.	
	0' 0"	312' 7"	Shale, dark.	
	0' 0"	312' 7"	COAL, clean, soft.	
	0' 0"	312' 7"	Shale and COAL.	
	0' 0"	312' 7"	COAL, clean.	
	0' 0"	312' 7"	COAL, dirty.	
	0' 0"	312' 7"	Shale and COAL.	
	0' 0"	312' 7"	Sandy shale.	
	0' 0"	312' 7"	Shale, light.	
	0' 0"	312' 7"	Sandstone, soft.	
	0' 0"	312' 7"	Conglomerate.	
	0' 0"	312' 7"	Sandstone.	
	0' 0"	312' 7"	Conglomerate.	
	0' 6"	313' 3"	Conglomerate.	
	0' 6"	313' 9"	Conglomerate.	
	0' 6"	314' 5"	Conglomerate.	
	0' 6"	315' 1"	Conglomerate.	
	0' 6"	315' 7"	Conglomerate.	
	0' 6"	316' 3"	Conglomerate.	
	0' 6"	316' 9"	Conglomerate.	
	0' 6"	317' 5"	Conglomerate.	
	0' 6"	318' 1"	Conglomerate.	
	0' 6"	318' 7"	Conglomerate.	
	0' 6"	319' 3"	Conglomerate.	
	0' 6"	319' 9"	Conglomerate.	
	0' 6"	320' 5"	Conglomerate.	
	0' 6"	321' 1"	Conglomerate.	
	0' 6"	321' 7"	Conglomerate.	
	0' 6"	322' 3"	Conglomerate.	
	0' 6"	322' 9"	Conglomerate.	
	0' 6"	323' 5"	Conglomerate.	
	0' 6"	324' 1"	Conglomerate.	
	0' 6"	324' 7"	Conglomerate.	
	0' 6"	325' 3"	Conglomerate.	
	0' 6"	325' 9"	Conglomerate.	
	0' 6"	326' 5"	Conglomerate.	
	0' 6"	327' 1"	Conglomerate.	
	0' 6"	327' 7"	Conglomerate.	
	0' 6"	328' 3"	Conglomerate.	
	0' 6"	328' 9"	Conglomerate.	
	0' 6"	329' 5"	Conglomerate.	
	0' 6"	330' 1"	Conglomerate.	
	0' 6"	330' 7"	Conglomerate.	
	0' 6"	331' 3"	Conglomerate.	
	0' 6"	331' 9"	Conglomerate.	
	0' 6"	332' 5"	Conglomerate.	
	0' 6"	333' 1"	Conglomerate.	
	0' 6"	333' 7"	Conglomerate.	
	0' 6"	334' 3"	Conglomerate.	
	0' 6"	334' 9"	Conglomerate.	
	0' 6"	335' 5"	Conglomerate.	
	0' 6"	336' 1"	Conglomerate.	
	0' 6"	336' 7"	Conglomerate.	
	0' 6"	337' 3"	Conglomerate.	
	0' 6"	337' 9"	Conglomerate.	
	0' 6"	338' 5"	Conglomerate.	
	0' 6"	339' 1"	Conglomerate.	
	0' 6"	339' 7"	Conglomerate.	
	0' 6"	340' 3"	Conglomerate.	
	27' 6"	367' 6"	Sandstone.	
	0' 6"	368' 0"	Conglomerate.	
	9' 0"	377' 0"	Sandstone.	
	7' 6"	384' 6"	Sandy shale.	
	8' 6"	393' 0"	Sandstone, fine grained.	
	5' 0"	398' 0"	Sandy shale.	
	8' 0"	406' 0"	Sandstone.	
	12' 0"	418' 0"	Sandy shale.	
	8' 0"	426' 0"	Shale, soft.	
	3' 0"	429' 0"	Sandy shale.	
	52' 0"		Shale, soft.	
	1' 0"	481' 0"	Sandy shale, hard.	
	18' 6"	482' 0"	Shale, soft.	
	3' 6"	500' 6"	Sandy shale, soft.	
	37' 6"	504' 0"	Shale, soft.	
	0' 6"	541' 6"	Sandy shale, with lime streaks.	
	13' 6"	542' 0"	Shale, soft.	
	0' 6"	555' 6"	Hard rock with lime streaks.	
	7' 9"	556' 0"	Shale, soft.	
	0' 3"	563' 9"	Hard rock.	
	3' 6"	564' 0"	Shale, soft.	
	0' 2"	567' 6"	Hard rock.	
	16' 10"	567' 8"	Shale, soft.	
		584' 6"		

Drilled: April 8 - May 23, 1912.  
By: F.H. Wall, driller.  
W.H. Wall, contractor.



00720

E-1

E1

61

LOGS OF E-HOLES 436/49/2

E 1.

August 1 to 21/15; by T. Green

Ob 20'6	Sh 63'10	Bk sh 75'8
Sh 23'6	Co 64'2	Sh&Co 75'11
Sh 45'6	Bn sh 64'6	Co&sh 76'2
Sh(spar) 48'6	Co 70'8	Sh(coaly) 76'8
Sh 53'6	Co&sh 71'1	Sh 77'1
Sh, comkd 55'6	Co 71'8	Co 77'4
fco&sh 56'11	Sh 72'2	Sh 77'5
Coal 59'4	Co&sh 73'2	Co 80'2
Co&sh 59'8	Gy sh 74'0	Co&sh 80'8
Co 61'4	Co&sh 74'2	Bk sh&Co 81'11
Coal&sh 61'8	Co 74'10	Sh 87
Gy sh 62'2	Co&sh 75'2	
Sh&Co 62'11	Sh&Co 75'5	
Co&sh 63'8	Co 75'7	

00720

E-2

SUBJECT SOUTH WELLINGTON ENCROACHMENT  
DRILLING BY CC(D)

SHEET OF  
PROJECT NO.  
BY

"E" SERIES

PABC 19/4

E2

JULY 12/18 to Aug. 3/18

E2

SOIL	9'	9'
SH	<del>23</del> 17'	26'
CGL	6"	26'6"
SH	15'	41'6"
HD SH	2'	43'6"
BKN SH	7'	50'6"
SDY SH	7'	57'6"
SH	2'	59'6"
SH & CO	8"	60'2"
CO & SH	12"	61'2"
CO	6"	61'8"
CO	6"	67'8"
CO & SH	1'	
CO	2'	
CO & SH	1'	
CO	1'	
SH	6"	
CO & SH	6"	
SH	10"	
CO	6"	
CO & SH	8"	
SH	4"	
CO	1'8"	
CO & SH	6"	
CO	4"	
CO & SH	2"	78'8"
SH	7/8	86'2"

TOTAL 12' CO

00720

E-3

62

E3

E3 Aug 28 - Sept. 7/15 by T. Graer

Ob 10'6  
 Sh 19'  
 Sh bk wco  
 22'6  
 Sh 51'1  
 Sh, co mkd 53'1  
 Sh Co 54'7  
 Sh & Co 55  
 Co 55'5  
 Sh 55'7  
 Co 60'7  
 Co + Bo 61'1  
 Co 62'4  
 Sh 62'5  
 Co 62'7  
 Co + Sh 62'10  
 Co 63'3  
 Co + sh 63'7  
 Sh + Co 63'11  
 Co wsh 64'3

Co 64'10  
 Co + sh 65'1  
 Bk sh 65'7  
 Sh 66'1  
 Bk sh wco 66'7  
 Sh 67'7  
 Sh + Co 68'1  
 Co + sh 69'1  
 Sh 69'3  
 Co 70'7  
 Bk sh 70'9  
 Gy sh 71'1  
 Sh + Co 71'7  
 Sh, Co mkd 72'7  
 Co + Bk sh 73'1  
 Sh + Co 73'4  
 Co 76'1  
 Co + sh 76'4  
 Co 77'4  
 Sh 77'5

Co 78'1  
 Sh + Co 78'7  
 Co 79'6  
 Sh + Co 79'7  
 Gy sh 80'0  
 Sh + Co 80'5  
 Co 81'2  
 Sh 82'1  
 Bk sh c.m. 82  
 Co 84  
 Co + sh 84  
 Sh + Co 84'3  
 Gy sh ~~84~~  
 Co + sh 84  
 Co 85'0  
 Sh 85'7  
 Gy sh 85'8  
 Co 86'1  
 Gy sh 86'2  
 Bk sh + Co 86'7  
 Gy sh 88'0  
 Bk sh + Co 88  
 Gy sh 92

00720 (6)

DB-1 DB-1  
436/2/22

WC Co. Wellington

No. 1 Diamond Core at No. 1 Shaft

About 1100' SW of No. 1 Shaft, SS, Wellington.

July-Sept 1893

Ob	83'6	Sh	291'9	Sh (soft w coal)	412	Sst, blue	500'6
Ggl	103'11	Sh (soft, dk)	294'5	COAL 2"	412'2	Sdy sh	507'6
Sh	108'2	Sh (light, rotten)	306'8	Sh	412'8	Sdy sh, dk	512
Ggl	113'2 1/2	Sh	312'1	COAL 2"	412'10	Sh	524
Sst	114'2	Sh (dk bn)	312'7	Sh (lt)	415	Sh, dk	546'5
Sst & ggl	115'2	Sh	314'3	Sh & coal	416'4	Sh, black	557'4
Ggl	117'1	Sh (lt sdy)	316'9	Sh	417'1	"Marine fossils"	562'4
Sst & ggl	120'1	Sst	326'1	COAL 2'11"	420	Ggl	632'
Ggl	128	Sh (lt, sdy)	328'10	Sh (dk)	420'3		— TD —
Sst	128'9	Sh (lt)	329'4	Sh (lt)	420'10		
Sh	137'7	Sh & coal	330'3	Sst	421'8		
Sst	138'2	COAL 2'11"	333'2	Sst & sh	424'10		
Sh	142'2	Brown sh	333'9	Sst & plies	426		
Sh, sdy	143'2	COAL 5"	334'2	Sh & coal	426'8		
Sh	150'7	Brown sh	334'8	Sh (lt brown)	428'8		
Sh, lt, sdy	155	Coal & sh	335'6	Sh (sdg)	429'8		
Sh	156'6	Sh (lt)	337'4	Sh dk bn w a little			
Sh (blue)	161'2	Sh (sdg)	344	Coal	431'2		
Sst	168'1	Sst	344'6	Sh (dk, sdy)	433'2		
Ggl	275'1	Sh	344'7	<del>Sst</del>	<del>438'7</del>	{ Sst 438'6 Sh, dk bn 441 Sst 458'11	
Ggl & sst	279'6	Ggl	368'6	COAL NAME 4"	457'3		
Sst	250'11	Sh (sdg)	370'6	Sst	471'7		
Sh	254'4	Sh (sdg, hd)	371'2	Sst (fossils)	473'7		
Sh (soft)	257'4	Sh (sdg)	406	Sh	474'7		
Sst	263'4	Sh	400	Sdy sh	484'9		
Sh	281'9	Sh, bn	409	Sst, blue, hd	489'6		
Sst	281'9	Sh (lt)	409'4	"Marine fossils"	490'6		

00720

(L7)

P-3A

PCCM  
SOUTH WELLINGTON

BORE HOLE NO.3A  
Fiddick estate, Sect.14, Rga.6, Cranberry Dist.

Scale: 1 inch = 20 feet

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
		0' 0"	Collar of hole	2180.97
	37' 0"		Surface wash	Datum - 2000' below M.S.L.
		37' 0"		2143.97
	10' 0"	47' 0"	Conglomerate, medium coarse	
	14' 0"		Sandstone	
	2' 0"	61' 0"	Shale, soft	
	5' 0"	65' 0"	Sandstone	
		68' 0"		2112.97
	60' 0"		Sandy shale	
	6' 0"	128' 0"	Conglomerate	
	6' 6"	134' 0"	Shale	
	1' 6"	140' 6"	Conglomerate	
	1' 0"	142' 0"	Shale	
		143' 0"		
	24' 0"		Conglomerate	
	1' 0"	167' 0"	Shale	
	6' 2"	168' 0"	Conglomerate	
	0' 1 1/2"	174' 2"	COAL	2106.80
	0' 1 1/2"	174' 2 1/2"	Sandy shale	2106.76
	0' 4"	175' 2"	COAL	2005.80
	0' 2"	175' 6"	Sandstone	2005.47
	4' 10"	175' 8"	COAL (Douglas)	2005.30
	18' 0"	180' 6"	Shale, brown	2000.47
	3' 0"	198' 6"	Conglomerate, fine	
	2' 6"	201' 6"	Sandy shale	
	0' 6"	204' 0"	Shale, brown	
	3' 0"	204' 6"	COAL, some shale in coal (Newcastle)	1976.47
	5' 6"	207' 6"	Shale	1973.47
	2' 6"	213' 0"	Sandstone, brown	
	5' 6"	215' 6"	Sandy shale	
		221' 0"		
	36' 0"		Shale, blue	
		257' 0"		
	22' 0"		Sandy shale	
		279' 0"		1901.97

Drilled: 1910 - 11  
By:



00720

P-29A

P.C.C.M.  
SOUTH WELLINGTON

BORE HOLE NO. 29A

SCALE: 1 IN. = 20 FEET.

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
		0 0	Collar of hole	
				Datum - 2000' below M.S.L.
	34 0		Soil and wash	
		34 0		
	26 8		Sandstone	
		62 8		
	- 4	63 0	Shale, brown, with coal markings	
	14 0		Shale,	
	2 0	77 0	Sandstone	
	2 0	79 0	Shale	
	16 0		Sandstone	
	2 0	97 0	Shale	
	2 0	99 0	Sandstone	
	- 4	101 0	Shale, brown	
	- 2	101 4	COAL	
	5 8	107 0	Sandstone, grey	
	35 0		Sandstone, dark grey	
	10 0	142 0	Sandstone, shaly, stratified	
	- 6	152 0	COAL and shale	
	1 0	152 6	Shale	
	7 6	153 6	Sandstone	
	3 0	161 0	Shale	
	- 6	164 0	Sandstone	
	- 6	164 6	COAL	
	16 9		Sandstone	
	- 4	181 9	COAL	
	1 11	182 1	Shale	
		184 0		
	32 0		Sandstone	
	1 0	216 0	Shale	
	4 0	217 0	Sandstone	
	3 0	221 0	Shale	
	- 5	224 0	COAL	
		224 5		
	38 7		Sandstone	
	- 6	263 0	Shale	
	9 6	263 6	Sandstone, dark grey, shaly	
		273 0		
	17 0		Sandstone, light grey	
	3 0	290 0	Sandstone, hard brown	
	1 0	293 0	Shale	
	6 0	294 0	Sandstone	
	2 0	300 0	Shale	
	4 0	302 0	Sandstone	
	- 6	306 0	COAL and shale	
	1 6	306 6	Shale	
	5 0	308 0	Sandstone	
	6 2	313 0	Shale	
		319 2		
	24 10		Sandstone	
	10 0	344 0	Shale	
		354 0		
	19 0		Sandstone, hard, grey	
	2 0	373 0	Conglomerate, fine	
	2 0	375 0	Sandstone, hard, grey	
	2 0	377 0	Conglomerate	
		379 0		
	144 0		Sandstone	
	7 0	523 0	Shale	
		530 0		
	10 0		Sandstone	
		540 0		
	13 0		Shale	
	1 0	553 0	Sandstone	
	2 0	554 0	Shale	
		556 0		
	17 0		Sandstone	
	5 0	573 0	Sandstone, shaly	
		578 0		
	34 0		Shale	
	6 0	612 0	Shale, brown, coal markings at 616 ft.	
	5 0	618 0	Sandy shale	
		623 0		
	28 0		Shale, brown, carbonaceous	
	2 0	651 0	Sandy shale	
	4 0	653 0	Shale, brown	
	3 0	657 0	Sandy shale	
	1 8	660 0	Shale, brown	
	1 2 1/2	661 8	Conglomerate, fine	
	1 1	662 10 1/2	COAL	
	1 0 1/2	663 11 1/2	Shale	
	8 8	665 0	Shale, blue	
	1 8	673 8	Shale, soft, dark brown	
	2 8	675 4	Shale, blue	
	2 0	685 0	Sandy shale, hard	
	5 0	687 0	Shale, blue	
		683 0		

Location and date drilled unknown, may be B.H. "D", see key plan.



30A

00720

L2

P-30A

P.C.C.M.  
SOUTH WELLINGTON  
BORE HOLE NO. 30A

SCALE: 1 IN. = 20 FEET.

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
		0 0	Collar of hole	
	16 0		Soil, etc.	Datum - 2000' below M.S.L.
	17 0	16 0	Sandstone	
	1 0	33 0	Shale, dark brown and COAL	
		34 0		
	52 0		Sandstone	
	- 4	86 0	Shale, brown	
	- 2	86 4	COAL	
	6 6	86 6	Sandstone	
	2 0	93 0	Sandy shale	
		95 0		
	22 0		Sandstone	
	2 0	117 0	Shale, brown	
		119 0		
	12 0		Sandstone	
	- 6	131 0	Shale, brown, with coal markings	
		131 6		
	39 6		Sandstone	
		171 0		
	7 0	178 0	Sandy shale	
	55 0		Sandstone	
		233 0		
	4 0	237 0	Shale	
	23 0		Sandstone	
		260 0		
	3 0	263 0	Sandy shale	
	14 0		Sandstone	
		277 0		
	38 0		Sandy shale	
		315 0		
	1 0	316 0	Conglomerate	
	55 0		Sandstone	
		371 0		
	2 0	373 0	Conglomerate	
	25 0		Sandstone	
		398 0		
	1 0	399 0	Conglomerate	
	12 0		Sandstone	
		411 0		
	5 0	416 0	Sandy shale, brown	
	31 0		Sandstone	
		447 0		
	- 3	447 3	Shale	
	35 3		Sandstone	
		482 6		
	15 6		Sandy shale	
		498 0		
	8 0	506 0	Shale	
	16 0		Sandstone	
		522 0		
	72 6		Shale	
		594 6		
	1 0	595 6	Sandstone, hard	
	35 6		Shale, brown	
		631 0		
	2 6	633 6	Conglomerate, fine	
	1 6	635 0	Shale, soft, brown	
	2 2		Shale, brown, with coal markings	
	1 4	637 2	COAL	
		638 6		
	25 6		Shale, blue	
		664 0		

Location and date of drilling  
unknown. May be B.H. "D.",  
see key map.



28A

00720

P-28A

P.C.C.M.  
SOUTH WELLINGTON

BORE HOLE NO. 28A  
"Manson's Place, west line" NW. corner S. 11, R. 8, Cranberry Dist.

SCALE: 1 IN. = 20 FEET.

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
		0' 0"	Collar of hole	2100.6
	6 0	6 0	Surface wash	Datum - 2094.6 2000' below M.S.L.
	20 0		Sandstone, grey	
	2 0	26 0	Shale, dark	2074.6
	2 0	28 0	Sandstone, grey	2072.6
	13 0	30 0	Sandy shale	2070.6
	1 0	43 0	Sandstone	2057.6
	- 6	44 0	Sandy shale	2056.6
	1 0	44 6	COAL	2055.1
	1 6	45 6	Sandy shale	2055.1
		47 0		2053.6
	31 0		Sandstone, grey	
	1 0	78 0	Shale	2022.6
	8 0	79 0	Sandstone, grey	2021.6
	- 6	87 0	COAL	2013.6
	4 6	87 6	Shale	2013.1
	- 3	92 0	COAL	2008.6
	4 9	92 3	Sandy shale	2008.3
		97 0		2003.6
	25 0		Sandstone, grey	
	3 0	122 0	Sandstone, light brown	1978.6
	3 0	125 0	Sandy shale	1975.6
	- 3	128 0	COAL	1972.6
	4 9	128 3	Sandy shale	1972.3
	1 0	133 0	Shale, dark	1967.6
	1 0	134 0	Sandy shale	1966.6
		135 0		1965.6
	21 0		Sandstone	
	3 0	156 0	Shale, brown	1944.6
		159 0		1941.6
	12 0		Sandstone, grey	
	7 0	171 0	Sandy shale	1929.6
	8 0	178 0	Shale, dark, shell fossils 182'-183'	1922.6
	1 0	186 0	Sandy shale	1914.6
				1913.6
	21 0		Sandstone	
	2 0	208 0	Shale, dark brown	1892.6
	2 0	210 0	Sandy shale	1890.6
		212 0		1888.6
	79 0		Sandstone, grey	
	10 0	291 0	Conglomerate, fine	1809.6
	- 6	301 0	Shale	1799.6
		301 6		1799.1
	25 6		Sandstone, grey	
	2 0	327 0	Conglomerate, fine	1773.6
		329 0		1771.6
	55 0		Sandstone, grey	
	8 0	384 0	Sandy shale	1716.6
	9 0	392 0	Shale, dark slaty color	1708.6
	12 0	401 0	Sandy shale	1699.6
	5 0	413 0	Shale, dark	1687.6
		418 0		1682.6
	18 0		Sandstone	
	17 0	436 0	Sandy shale	1664.6
	16 0	453 0	Shale, slate color	1647.6
	2 0	469 0	Sandstone, shaly	1631.6
	10 0	471 0	Sandy shale	1629.6
	6 0	481 0	Shale, dark brown, with fossils of vegetation and coal markings	1619.6
	26 0	487 0	Shale, dark brown, sandy in places	1613.6
	2 0	513 0	Shale, with coal markings	1587.6
	7 0	515 0	Shale, light brown	1585.6
	5 0	522 0	Shale mixed with sandstone	1578.6
	- 6	527 0	Conglomerate, fine	1573.6
	3 6	527 6	Shale	1573.1
	2 0	531 0	Shale and conglomerate, alternate layers	1569.6
	17 5	533 0	Sandy shale, brown	1567.6
	- 5	550 5	Shale, dark, and COAL, mixed	1550.2
	- 3	550 10	Shale, light brown	1549.8
	- 6	551 6	COAL	1549.1
		552 0		1548.6
	11 0		Shale, dark blue	
	10 0	563 0	Shale, light blue	1537.6
		573 0		1527.6
	40 0		Shale	
		613 0		1487.6

Completed: Jan. 29, 1912



27A

00720

V4

P-27A

P.C.C.M.  
SOUTH WELLINGTON

BORE HOLE NO. 27A

On Mansen's place S.W. corner of S. 11, R. 8, Cranberry Dist.

SCALE: 1 IN. = 20 FEET.

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
		0' 0"	Collar of hole	2118.6
	11 6		Surface wash	Datum - 2000' below M.S.L.
	10 6	11 6	Sandstone, grey	2107.1
	1 8	22 0	Shale, brown	2096.6
	- 4	23 8	COAL	2094.9
	- 6	24 0	Shale, brown	2094.6
		24 6	Shale, brown	2094.1
	17 2		Sandstone, grey	
	1 4	41 8	Shale, brown, with coal markings	2076.9
		43 0		2075.6
	31 0	74 0	Sandstone, grey	
	1 0	74 0	Shale, brown	2044.6
	3 0	75 0	Sandstone	2043.6
	4 6	78 0	Shale, brown	2040.6
	- 3	82 6	COAL	2036.1
	4 3	82 9	Shale, brown	2035.8
	- 2	87 0	COAL	2031.6
	4 10	87 2	Shale, brown	2031.4
	2 0	92 0	COAL	2026.6
		94 0	COAL	2024.6
	23 0		Sandstone	
	3 0	117 0	Sandy shale	2001.6
	4 3	120 0	Sandstone	1998.6
	- 6	124 3	COAL	1994.3
	7 3	124 9	Sandy shale, brown	1993.8
		132 0		1986.6
	38 0		Sandstone, grey	
		170 0		1948.6
	15 0		Sandy shale, brown	
		185 0		1933.6
	110 0		Sandstone, grey	
		295 0		1823.6
	11 0		Conglomerate, fine	
	1 0	306 0	Shale	1812.6
		307 0		1811.6
	90 0		Sandstone, grey	
	3 0	397 0	Sandstone, shaly	1721.6
		400 0		1718.6
	38 0		Shale, dark slaty color	
	6 0	438 0	Sandstone, dark brownish grey	1680.6
	3 0	444 0	Sandy shale	1674.6
	12 0		Shale, slate color	1671.6
	5 0	459 0	Sandy shale	1659.6
	1 0	464 0	Sandstone	1654.6
	1 0	465 0	Sandy shale	1653.6
		466 0	Sandy shale	1652.6
	21 0		Shale, dark slate color	
	10 0	487 0	Shale, light brown, with alternate strata of sandy shale	1631.6
	15 0	497 0	Shale, brown, carbonaceous, with fossils of vegetation	1621.6
	20 0	512 0	Shale, dark brown to black carbonaceous (roof shale)	1606.6
	5 0	532 0	Shale, soft, black	1586.6
	6 0	537 0	Shale, brown, with coal markings	1581.6
	3 0	543 0	Sandy shale, brown	1575.6
	5 0	546 0	Conglomerate, fine	1572.6
	1 0	551 0	Shale, hard, brown	1567.6
	1 0	552 0	Shale, soft, lt. brown	1566.6
	1 0	553 0	Shale, soft, dark, with coal markings	1565.6
	8 0	554 0	Sandstone, dark grey	1564.6
	2 0	562 0	Shale, dark	1554.6
	10 0	564 0	Shale, blue	1554.6
	1 0	574 0	Sandstone	1544.6
	11 0	575 0	Shale, blue, with leaf fossils	1543.6
	12 0	586 0	Sandstone, grey, shaly	1532.6
	1 0	598 0	Shale, brown	1520.6
		599 0		1519.6
	31 0		Shale, blue	
	2 0	630 0	Sandy shale	1488.6
	4 0	632 0	Sandstone, dark grey	1486.6
	3 0	636 0	Conglomerate, fine	1482.6
	2 0	639 0	Shale, blue	1479.6
	4 0	641 0	Conglomerate	1477.6
		645 0		1473.6
	19 0		Shale, blue	
		664 0		1454.6

Drilled: Dec. 31, 1911.



(L5)

17A

00720

P-17A

P.C.C.M. SOUTH WELLINGTON

BORE HOLE NO. 17A  
900' N.E. of S.W. corner, S.13, R.5 Cranberry Dist.

SCALE: 1 IN. = 20 FEET.

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
		0' 0"	Collar of hole	
	20 0		Gravel, sand, and clay	Datum - 2000' below M.S.L.
		20 0		
	154 0		Sandy shale and shaly sandstone, and some sandstone and fine conglomerate	
		174 0		
	7 0	181 0	Conglomerate	
		181 0		
	30 0		Sandy shale and sandstone	
		211 0		
	19 0	230 0	Conglomerate	
		230 0		
	147 0		Sandy shale and shaly sandstone, and some sandstone and conglomerate	
		377 0		
	27 0	404 0	Conglomerate	
		404 0		
	105 0		Sandy shale and shaly sandstone and some sandstone and conglomerate	
		509 0		
	51 0		Conglomerate, chiefly coarse grained	
		560 0		
	8 0	568 0	Shaly sandstone and sandy shale	
		568 0		
	88 0		Conglomerate, coarse	
		656 0		
	25 0	679 0	Sandy shale and sandstone	
		679 0		
	100 0		Conglomerate, chiefly coarse grained, with 2 7/8" COAL lens and 2' of sandstone	
		779 0		
	2 0	781 0	Shale	
		781 0		
	2 4	783 4	COAL (fairly persistent seam?)	
		783 4		
	16 8	800 0	Sandy shale	
		800 0		
	45 0		Conglomerate, coarse	
		845 0		
	10 0	855 0	Sandy shale and sandstone	
		855 0		
	14 0	869 0	Conglomerate, coarse	
		869 0		
	10 0	879 0	Sandy shale and sandstone	
		879 0		
	118 0		Conglomerate, coarse	
		997 0		
#	3 0	1000 0	COAL with shale and sandstone partings #	Wellington coal seam
		1000 0		
	49 0		Sandstone, and fine conglomerate or pebbly sandstone, and some shale	
		1049 0		
	Not stated		Sandy shale	Haslam formation

Cranberry Formation

Extension Formation

East Wellington Fm.

# Greatest single bench of coal, 1'3", from P.C.C.M. plans.  
Above log taken from O.H.Clapp, Geol. Surv., Canada, Mem. 51, p.52.



00720

P-14A

P.C.C.M.  
SOUTH WELLINGTON

BORE HOLE NO. 14A  
On Emblem's claim, near N.W. corner, S.B., R.1, Cedar Dist.

SCALE: 1 IN. = 20 FEET.

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
		0' 0"	Collar of hole	Datum - 2000' below M.S.L.
	114 0		Overburden	
	16 0	114 0	Sandstone, dark grey, not stratified	
	22 0	130 0	Sandstone, stratified	
	6 0	152 0	Sandstone, shaly	
	3 0	158 0	Sandstone, coarse grey	
	12 0	161 0	Sandstone, shaly	
	5 0	173 0	Sandstone, v. dark grey	
	19 0	178 0	Sandstone, dark sandy	
	1 6	197 0	Sandstone, dark grey	
	10 6	198 6	Sandstone	
	12 0	209 0	Shale, slaty color with fossils of vegetation	
	1 0	221 0	COAL	
	3 0	222 0	Shale, with fossils of vegetation	
	5 0	225 0	Sandstone, shaly	
	9 0	230 0	Sandstone, dark grey	
	1 0	239 0	Sandstone, light grey	
	- 6	240 6	COAL	
	11 6	240 6	Sandy shale, dark, with fossils of veg. Sulphur at 246	
	3 0	252 0	Sandstone	
	5 0	255 0	Shale, dark and sandy in places	
	1 6	260 0	Sandstone, shaly	
	- 6	261 6	COAL	
	14 0	262 0	Sandstone, shaly	
	10 0	276 0	Sandstone, coarse, grey	
	1 0	286 0	Sandy shale, stratif.	
	9 0	287 0	Sandstone, light, stratified, little shaly	
	5 0	296 0	Sandstone, light grey hard, siliceous	
	6 0	301 0	Shale, brown to slate color, fossils of vegetation	
	7 0	307 0	Sandstone, light grey, siliceous	
	2 0	314 0	Sandstone, dark	
	2 0	316 0	Sandy sh., dk. brown	
	7 0	318 0	Sandstone, medium dark grey	
	9 0	325 0	Shale, brown to carbon slaty color with fossils of veget.	
	8 0	334 0	Sandy shale, slate color	
	2 0	342 0	Sandstone, light grey	
	1 6	344 0	Shale	
	- 8	345 6	COAL	
	5 10	346 2	Shale, brown, carbonaceous	
	6 0	352 0	Sandstone, slaty	
	4 0	358 0	Sandstone, light grey	
	35 6	362 0	Sandstone, shaly	
	- 6	397 6	COAL	
	21 2	398 0	Sandstone, coarse grey	
	5 10	419 2	Shale, carbonaceous	
	7 8	425 0	Sandstone, grey	
	- 1	432 8	COAL	
	7 3	432 9	Sandstone, fine, grey with stratas of mica	
	5 0	440 0	Sandstone, coarse grey	
	3 0	445 0	Shale, slate color	
	4 4	448 0	Sandstone, grey	
	- 6	452 4	COAL	
	6 2	452 10	Sandstone, shaly	
	20 0	459 0	Sandstone, coarse grey	
	2 0	479 0	Sandy shale, brown	
	14 0	481 0	Sandstone, grey	
	11 0	495 0	Sandstone, shaly	
	49 0	506 0	Sandstone, grey	
	15 0	555 0	Conglomerate, medium coarse, very hard and gritty	
	19 0	570 0	Sandstone, dark grey	
	9 0	589 0	Conglomerate, fine, granitic	
	72 0	598 0	Sandstone, grey	
	6 0	670 0	Conglomerate, granitic fine	
	33 0	676 0	Sandstone, coarse, grey, massive	
	12 6	709 0	Sandstone, stratified	
	5 6	721 6	Shale, slaty to brown color, slightly sandy	
	3 0	727 0	Sandstone, hard, grey, stratified	
	4 6	730 0	Sandy sh., dk slate col	
	1 0	734 6	Sandst., dark greenish grey	
	15 6	735 6	Shale, dark slaty color, slightly sandy	
	7 0	751 0	Sandstone, light to dark color	
	14 0	758 0	Sandstone	
	42 0	772 0	Shale, dark brown to black, some sand	
	23 0	814 0	Conglomerate, medium coarse	
	7 0	837 0	Ss., shaly, grey to brown color, full of lime filling in fractures	
	4 0	844 0	Shale, dk. close grained clay shale, full of lime filling in fractures	
	3 0	848 0	Sandstone, dark, close grained	
	8 0	851 0	Sandstone, dark brown, carbonaceous, with coal markings	
	24 0	859 0	Sandstone, light grey, coarse, granitic	
	15 0	883 0	Shale, dark slate color, full of glossy slips (poor coring)	
	23 0	898 0	Shale, dark brown, carbonaceous, resembles roof shale (full core)	
	15 0	921 0	Shale, black, glossy, brown shale full of slips (2 1/2' of core in 4' runs)	
	4 0	936 0	Shale, dark brown, broken up (no core, sand cuttings)	
	1 0	940 0	Sandstone, hard, brown	
	8 0	941 0	Shale, blue (very blocky short runs)	
	11 0	949 0	Sandstone, bluish color, with shales of grey + coal markings	
	27 0	960 0	Shale, blue, last foot hard (blocky, very short runs)	
	1 0	987 0	Chert, or very close-grained sandstone, resembles flint.	
		988 0		

Date (prob. completed): Oct. 26, 1910.  
Drilled by: Company's own drill.



00720<sup>(5)</sup>

P-2A

(18)

P.C.C.M.  
SOUTH WELLINGTON

BORE HOLE NO. 2A  
650' W. of S.E. cor., S.13, R.8, Cranberry Dist.

SCALE: 1 IN. = 20 FEET.

SECTION	THICKNESS I II	DEPTH I II	MATERIAL	ELEVATION
		0' 0"	Collar of hole	2030.6 Datum - 2000' below M.S.L.
	67 0		Soil, gravel and sand	
		67 0		1963.6
	20 0		Sandstone	
	2 0	97 0	Shale	1943.6
		99 0	Sandstone	1941.6
	5 0	104 0	Sandstone	1936.6
	4 0	108 0	Shale	1932.6
	68 6		Sandstone	
		176 6		1854.1
	- 3	176 9	COAL	1853.85
	11 3		Sandstone, shaly	
		188 0		1842.6
	1 0	189 0	Shale	1841.6
	3 0	192 0	Sandstone	1838.6
	1 0	193 0	Shale	1837.6
	34 0		Sandstone	
		227 0		1803.6
	- 9	227 9	Shale with coal markings	1802.85
	17 9		Sandstone, hard	
		245 6		1785.1
	1 6	247 0	Shale	1783.6
	12 0		Sandstone, grey	
		259 0		1771.6
	19 0		Sandy shale, coal markings at 270 feet	
		278 0		1752.6
	4 0	282 0	Sandstone	1748.6
	- 6	282 6	Shale	1748.1
	5 6		Sandstone	
		288 0		1742.6
	2 0	290 0	Sandy shale	1740.6
	30 0		Sandstone	
		320 0		1710.6
	5 0	325 0	Shale	1705.6
	7 0		Sandstone	
		332 0		1698.6
	3 0	335 0	Shale, bituminous	1695.6
	18 6		Sandstone	
		353 6		1677.1
	23 6		Shale, bituminous	
		377 0		1653.6
	5 0	382 0	Sandstone	1648.6
	6 0		Shale	
		388 0		1642.6
	2 0	390 0	Sandstone, hard, grey	1640.6
	10 0		Shale	
		400 0		1630.6
	31 9		Sandstone, coarse, grey	
		431 9		1598.85
	10 3		Sandy shale, dark grey	
		442 0		1588.6
	45 0		Sandstone, grey	
		487 0		1543.6
	8 0		Sandy shale, brown	
		495 0		1535.6
	24 0		Sandstone	
		519 0		1511.6
	- 3	519 3	Shale	1511.35
	1 3	520 6	Sandstone	1510.1
	1 0	521 6	Shale	1509.1
	93 6		Sandstone, coarse, grey	
		615 0		1415.6
	- 6	615 6	Conglomerate	1415.1
	72 0		Sandstone	
		687 6		1343.1
	6 0	693 6	Shale	1337.1
	3 6	697 0	Sandstone, hard, grey	1333.6
	1 0	698 0	Shale	1332.6
	6 6	704 6	Sandstone	1326.1
	8 6		Sandy shale	
		713 0		1317.6
	22 0		Sandstone	
		735 0		1293.6
	36 0		Shale	
		771 0		1259.6
	1 0	772 0	Shale, bituminous	1258.6
	6 0	778 0	Sandy shale	1252.6
	- 2	778 2	COAL	1252.4
	1 8	779 10	Shale	1250.8
	- 4	780 2	COAL	1250.4
	7 10	788 0	Sandstone	1242.6
	- 4	788 4	Conglomerate	1242.3
	8	788 4	Sandstone	1241.6
	1 0	789 0	Shale, bituminous	1240.6
	2 0	790 0	Sandstone, shaly	1238.6
	- 6	792 6	Shale, bituminous	1238.1
	1 0	793 6	Shale	1237.1
	4 0	797 6	Shale, brown	1233.1
	5 6	803 0	Shale, bituminous	1227.6
	4 2	807 2	COAL, HARD	1223.4
	2 2	809 4	Sandstone, shaly	1221.3
	6 4	815 8	COAL, HARD	1214.9
	3 1	818 9	COAL + shale) SEE BELOW	1211.85
	3 3	827 0	Sandstone, hard	1203.6
	7 0		Shale	
		834 0		1196.6
	19 0		Shale, blue	
		853 0		1177.6
	6 0	859 0	Sandy shale	1171.6
	13 0		Shale, blue	
		872 0		1158.6
	18 0		Sandy shale, blue	
		890 0		1140.6
	4 0	894 0	Sandstone, coarse	1136.6
	15 0		Shale, blue	
		909 0		1121.6
	2 0	911 0	Conglomerate, fine-grained	1119.6
	24 6		Shale, blue	
		935 6		1095.1
	2 0	937 6	Conglomerate	1093.1
	- 6	938 0	Shale	1092.6
	- 3	938 3	Conglomerate	1092.35
	57 9		Shale, blue	
		996 0		1054.6
	6 0	1002 0	Shale	1028.6
	1 0	1003 0	Conglomerate	1027.6
	23 0		Shale, grey	
		1026 0		1004.6
	4 0	1030 0	Conglomerate, fine	1000.6
	16 0		Shale, blue	
		1046 0		984.6
	4 0	1050 0	Conglomerate, fine	980.6
	8 0		Sandstone, shaly	
		1058 0		972.6
	5 0	1063 0	Shale, blue	967.6
	2 0	1065 0	Conglomerate, fine	965.6
	15 0		Shale, blue	
		1080 0		950.6

SEE BELOW \*

Exaggerated 20x from the above.

Scale: 1 in. = 1 foot

	- 4	815 0	Shale, bituminous	1214.9
	- 5	816 0	COAL, HARD	1214.6
	- 3	816 5	Sandstone, shaly	1214.2
	- 3	816 8	COAL, HARD	1213.9
	- 3	816 11	COAL, HARD	1213.7
	- 6	817 5	Shale, brown	1213.2
	- 2	817 7	COAL, HARD	1213.0
	- 2	817 9	Shale, bituminous	1212.8
	- 1	817 10	COAL, HARD	1212.8
	- 5	818 3	Sandy shale	1212.35
	- 6	818 9	COAL, HARD	1211.85



NEW VANCOUVER COAL CO.  
RESERVE

BORE HOLE 52

E. side of Frew rd., 1100' S. of Reserve Rr. Xing; Sect. 2, Nanaimo Dist (W.F. co-ords. S. 14810.5, E. 21420.0)

Scale: 1 inch = 20 feet.

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
		0' 0"	Collar of hole	
	12' 0"	12' 0"	Hardpan, boulders.	Datum - '2000 below M.S.L.
	16' 0"		Sandstone.	
	4' 0"	28' 0"	Shale, brown; coal mkgs.	
	13' 0"	32' 0"	Sandstone, hard, coarse.	
	3' 0"	45' 0"	Sandstone, shale layers.	
	21' 8"	46' 0"	Sandstone.	
	0' 4"	69' 8"	COAL.	
	0' 6"	70' 0"	Shale.	
	4' 6"	70' 6"	Sandstone, shale layers.	
	6' 0"	75' 0"	Sandstone.	
	0' 5 1/2"	81' 0"	COAL.	
	0' 1/2"	81' 5 1/2"	Shale.	
	0' 3 1/2"	81' 6"	COAL.	
	0' 3 1/2"	81' 9 1/2"	Shale.	
	0' 11"	82' 1"	Sandstone.	
	2' 0"	83' 0"	Shale.	
	3' 0"	86' 0"	Sandy shale, hard.	
	6' 6"	88' 0"	Shale.	
	0' 4"	94' 0"	Shale, soft.	
	0' 2"	94' 10"	COAL.	
	5' 0"	95' 0"	Shale.	
	0' 3"	100' 0"	Sandstone.	
	1' 9"	100' 3"	Shale.	
	11' 0"	102' 0"	Sandstone, hard; sh. mkgs.	
	14' 0"	113' 0"	Sandstone.	
	11' 0"	127' 0"	Shale, soft, brown.	
	1' 0"	138' 0"	Sandstone.	
	2' 9"	141' 8"	Shale.	
	0' 3"	142' 0"	Shale, brown, coal mkgs.	
	2' 6"	144' 6"	Sandy shale.	
	3' 0"	147' 6"	Sandstone.	
	3' 6"	151' 0"	Shale.	
	3' 0"	154' 0"	Sandy shale, hard.	
	2' 0"	156' 0"	Shale.	
	15' 0"	171' 0"	Sandstone.	
	16' 0"		Sandy shale, hard, coal mkgs. at 180'.	
	3' 0"	187' 0"	Sandstone.	
	0' 4"	190' 0"	Shale, coal mkgs.	
		190' 4"		
	52' 8"		Sandstone, hard.	
	1' 6"	243' 0"	Conglomerate, fine.	
	8' 6"	244' 6"	Sandstone, hard.	
	0' 6"	253' 0"	Conglomerate.	
		253' 6"		
	24' 11"		Sandstone.	
	0' 3"	278' 6"	Shale.	
	0' 4"	278' 8"	Shale, brown; coal mkgs.	
	5' 0"	279' 0"	Sandy shale.	
	6' 0"	284' 0"	Shale, soft.	
	9' 9"	290' 0"	Sandstone, hard.	
	0' 3"	299' 9"	Shale.	
	6' 11 1/2"	300' 0"	Sandstone, hard.	
	0' 1 1/2"	306' 11 1/2"	Conglomerate.	
	4' 6"	307' 0"	Sandstone.	
	0' 1"	311' 6"	Shale.	
	0' 4"	311' 7"	Sandstone.	
	0' 1"	311' 11"	Shale, brown.	
	10' 8"	312' 0"	Sandstone.	
	0' 4"	322' 8"	Conglomerate.	
	8' 6"	323' 0"	Sandstone.	
	0' 6"	331' 6"	Conglomerate.	
	13' 0"	332' 0"	Sandstone, hard, coal mkgs.	
	4' 0"	345' 0"	Conglomerate, fine.	
		349' 0"		
	49' 0"		Sandstone, hard, coal mkgs. at 366' 6".	
		398' 0"		
	10' 0"	408' 0"	Shale, hard.	
	9' 0"	417' 0"	Sandy shale.	
	4' 0"	421' 0"	Sandstone.	
	16' 0"		Shale, hard.	
		437' 0"		
	15' 0"		Sandstone.	
	4' 0"	452' 0"	Sandy shale.	
	4' 0"	456' 0"	Sandstone.	
		460' 0"		
	15' 0"		Sandy shale, hard.	
		475' 0"		
	12' 0"		Shale, hard.	
		487' 0"		
	17' 0"		Sandy shale, hard.	
	2' 0"	504' 0"	Conglomerate.	
	1' 2"	506' 0"	COAL.	
	10' 10"	507' 2"	Shale, very soft.	
	3' 0"	518' 0"	Conglomerate, fine.	
	7' 0"	521' 0"	Sandstone.	
		528' 0"		
	20' 0"		Conglomerate.	
	1' 0"	548' 0"	Sandstone.	
	12' 6"	549' 0"	Conglomerate, coarse, (4" fine cony. at 560'.	
	0' 6"	561' 6"	Sandstone.	
	2' 0"	562' 0"	Conglomerate.	
	1' 0"	564' 0"	Sandstone.	
	9' 0"	565' 0"	Conglomerate.	
	3' 0"	574' 0"	Sandstone, fine, hard.	
	5' 0"	577' 0"	Shale.	
	1' 5 1/2"	582' 0"	COAL.	
	3' 6 1/2"	583' 5 1/2"	Shale.	
	1' 4"	587' 0"	Shale, soft, brown.	
	3' 8"	588' 4"	Shale.	

Drilled: Aug. 5 - Sept. 12, 1899.  
By: Emblem, Jones, McGrigor.

NEW VANCOUVER COAL CO.  
RESERVE

BORE HOLE 53

2800', S. 48' W. of No. 1 Shaft, Reserve Mine, I.R. No. 2, Nanaimo District

Scale: 1 inch = 20 feet

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
		0' 0"	Center of hole	
	1' 0"	1' 0"	Surface soil	
	2' 2"	3' 2"	Clay	
	3' 10"	7' 0"	Sand and gravel	
	2' 0"	9' 0"	Boulder	
	8' 0"	17' 0"	Sand and gravel	
	3' 4"	20' 4"	Sandstone	
	0' 4"	20' 8"	Sandy shale	
	20' 4"		Sandstone	
	0' 8"	41' 0"	Shale, soft	
	0' 9"	41' 9"	Shale, brown, soft	
	0' 1"	42' 0"	COAL	
	0' 6"	42' 6"	Shale, brown, soft	
	1' 2"	43' 0"	Sandstone	
	0' 10"	44' 2"	Sandy shale	
	8' 9"	45' 0"	Sandstone	
	0' 3"	48' 9"	COAL	
	10' 5"	49' 0"	Sandy shale, hard	
	0' 7"	59' 3"	Shale	
	0' 2"	60' 0"	Shale, brown	
	0' 9"	60' 2"	COAL	
	0' 3"	60' 11"	Shale, brown	
	2' 10"	61' 2"	Sandstone	
	1' 0"	64' 0"	Sandy shale	
	15' 0"	65' 0"	Sandstone, partly coarse	
	0' 1"	80' 0"	Shale, brown, soft	
	0' 6"	80' 7"	COAL	
	0' 5"	81' 0"	Shale, soft	
	7' 0"	88' 0"	Sandy shale	
	7' 0"	95' 0"	Sandstone, very hard	
	24' 1"	95' 0"	Sandstone, hard	
	0' 1"	119' 1"	Shale	
	0' 10"	119' 2"	Sandstone	
	0' 2"	120' 0"	Shale, brown	
	0' 3"	120' 2"	COAL	
	1' 2"	120' 5"	Shale	
	1' 10"	121' 7"	Sandstone, hard	
	0' 2"	123' 5"	Shale	
	1' 9"	123' 7"	Sandstone	
	1' 1"	125' 4"	Shale	
	1' 9"	126' 6"	Sandstone	
	0' 2"	129' 2"	Shale, brown	
	0' 8"	129' 4"	COAL	
	2' 0"	129' 0"	Shale, brown; coal mkg.	
	4' 6"	131' 0"	Sandstone	
	8' 3"	135' 6"	Sandy shale, hard	
	0' 1"	143' 9"	COAL	
	0' 2"	143' 10"	Shale, brown	
	6' 0"	144' 0"	Sandy shale, hard	
	8' 1"	150' 0"	Sandy shale	
	2' 11"	158' 1"	Shale, brown	
	9' 0"	161' 0"	Sandy shale	
	20' 0"	170' 0"	Sandstone, hard; sh. layers	
	15' 0"	190' 0"	Sandstone, hard	
	5' 0"	205' 0"	Sandstone, very hard	
	13' 0"	210' 0"	Sandstone, hard	
	7' 0"	223' 0"	Sandstone, very hard	
	19' 0"	230' 0"	Sandstone, hard	
	3' 6"	249' 0"	Shale	
		252' 6"		
	57' 6"		Sandstone, hard	
	1' 0"	310' 0"	Sandstone, shale mkg.	
	12' 0"	311' 0"	Sandstone, hard	
	12' 0"	323' 0"	Sandstone	
	3' 0"	335' 0"	Shale	
	12' 0"	338' 0"	Sandstone, hard	
	9' 0"	350' 0"	Sandstone, very hard	
	0' 1"	359' 0"	Conglomerate, fine	
	1' 5"	359' 1"	Sandstone	
	0' 6"	360' 6"	Conglomerate, fine	
	1' 0"	361' 0"	Sandstone	
	1' 0"	362' 0"	Conglomerate, fine	
	1' 9"	363' 0"	Conglomerate, coarse	
	0' 3"	364' 9"	Sandstone	
	0' 4"	365' 0"	Conglomerate, fine	
	1' 8"	365' 4"	Sandstone	
	0' 6"	367' 0"	Conglomerate	
	3' 6"	367' 6"	Sandstone	
	0' 5"	371' 0"	Conglomerate, fine	
	23' 7"	371' 5"	Sandstone	
	1' 0"	396' 0"	Sandstone, coal mkg.	
	30' 0"		Sandstone	
	4' 0"	426' 0"	Sandstone, very hard	
	5' 9"	430' 0"	Sandstone, hard	
	1' 7"	435' 9"	Shale	
	3' 2"	437' 4"	Sandstone	
	3' 0"	441' 0"	Sandy shale, hard	
	44' 6"		Sandy shale	
	0' 2"	488' 6"	Sandstone, fine	
	0' 4"	488' 8"	Shale, brown, soft	
	3' 0"	489' 0"	Conglomerate	
	38' 0"		Shale	
	10' 0"	530' 0"	Shale, brown	
	10' 0"	540' 0"	Shale, coal mkg.	
	5' 3"	550' 0"	Shale	
	0' 6"	555' 3"	Conglomerate, fine	
	4' 3"	560' 0"	Shale	
	4' 0"	564' 0"	Shale, very hard	
	6' 0"	570' 0"	Shale, hard	
	3' 0"	573' 0"	Sandy shale	
	2' 0"	575' 0"	Shale, soft; coal mkg.	
	0' 3"	575' 0"	Sandstone	
	0' 9"	575' 3"	Shale	
	1' 0"	576' 0"	Coal and shale	
	1' 6"	577' 0"	COAL	
	4' 9"	583' 3"	Shale, soft	
	0' 3"	583' 6"	Shale, soft; coal mkg.	
	1' 0"	584' 6"	Shale, brown, soft	
	6' 0"	590' 6"	Shale, soft	
	2' 3"	592' 9"	Soapstone, very hard	
	1' 3"	594' 0"	Shale	
	3' 9"	597' 9"	Sandy shale, hard	
	0' 8"	598' 3"	Sandstone, hard	
	14' 5"	598' 3"	Shale	
	0' 8"	613' 4"	Shale, soft; coal mkg.	
	33' 8"		Shale	
	1' 0"	647' 0"	Sandy shale, hard	
	16' 0"	648' 0"	Sandy shale	
	4' 10"	664' 0"	Sandy shale, hard	
	12' 2"	668' 10"	Sandy shale	
	1' 0"	682' 0"	Shale	
	1' 0"	683' 0"	Sandy shale	
	1' 0"	683' 0"	Sandstone	
	1' 0"	684' 0"	Sandstone, shale layers	
	16' 0"	685' 0"	Sandy shale	
	4' 0"	701' 0"	Sandy shale, hard	
	3' 0"	705' 0"	Sandy shale	
	13' 0"	708' 0"	Shale, soft	
	1' 6"	721' 0"	Sandstone	
	2' 0"	722' 6"	Sandstone, coarse	
	2' 0"	724' 0"	Sandstone, coal mkg.	
	2' 0"	728' 0"	Sandy shale	

Datum - 2000' below M.S.L.

Drilled: Sept. 17 - Nov. 3, 1899.  
By: Emblem, Jones, M<sup>c</sup>Gregor.

NEW VANCOUVER COAL CO.  
RESERVE

BORE HOLE 54

Near Reserve Grade 3000' W. of Reserve Shaft, Sect. 2, Non. Dist.

Scale: 1/2" = 20 feet.

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
		0' 0"	Collar of hole	
	4' 0"	4' 0"	Soil.	Datum -
	5' 0"	9' 0"	Gravel.	2000' below M.S.L.
	3' 0"	12' 0"	Boulders.	
	8' 0"	20' 0"	Gravel and sand	
	5' 0"	25' 0"	Gravel.	
	3' 0"	28' 0"	Sand.	
	8' 0"	36' 0"	Gravel.	
	2' 0"	38' 0"	Sand.	
	9' 0"	47' 0"	Gravel.	
	2' 0"	49' 0"	Boulders.	
	2' 6"	51' 6"	Gravel.	
	8' 6"	60' 0"	Boulders.	
	2' 0"	62' 0"	Sandstone.	
	18' 0"		Shale.	
	1' 0"	80' 0"	Shale with coal mkgs.	
	2' 0"	81' 0"	Shale	
	11' 4"	83' 0"	Sandstone.	
	0' 2"	94' 4"	COAL.	
	5' 6"	94' 6"	Shale.	
	1' 0"	100' 0"	Sandstone.	
	2' 6"	101' 0"	Shale.	
	0' 7"	103' 5"	COAL.	
	3' 6"	107' 0"	Shale.	
	5' 0"	110' 0"	Sandstone.	
	8' 0"	118' 0"	Shale.	
	1' 8"	119' 8"	Sandstone.	
	0' 4"	120' 0"	COAL.	
	1' 0"	121' 0"	Sandstone.	
	15' 0"	136' 0"	Shale.	
	1' 0"	137' 0"	Sandstone.	
	1' 0"	138' 0"	Shale.	
	2' 0"	140' 0"	Sandstone.	
	7' 2"	147' 2"	Shale.	
	0' 4"	147' 6"	Shale with coal mkgs.	
	0' 6"	148' 0"	Shale.	
	8' 4"	156' 4"	Sandstone.	
	0' 4"	156' 8"	COAL.	
	4' 4"	161' 0"	Shale.	
	7' 0"	168' 0"	Sandstone.	
	2' 4"	170' 4"	Shale.	
	0' 2"	170' 6"	COAL.	
	2' 6"	173' 0"	Shale.	
	4' 0"	177' 0"	Sandstone.	
	1' 8"	178' 8"	Shale.	
	1' 4"	180' 0"	COAL.	
	10' 0"	190' 0"	Shale.	
	0' 6"	190' 6"	COAL.	
	2' 6"	193' 0"	Shale.	
	8' 4"	202' 4"	Sandstone.	
	0' 1"	202' 5"	COAL.	
	0' 1"	202' 6"	COAL.	
	18' 6"	221' 0"	Shale.	
	1' 6"	222' 6"	Sandstone.	
	17' 6"		Shale.	
	2' 0"	240' 0"	Shale, leaf and coal mkgs.	
	4' 0"	244' 0"	Shale.	
	1' 0"	247' 0"	Sandstone.	
	11' 6"		Shale.	
	1' 6"	258' 6"	Sandstone.	
	1' 6"	260' 0"	Shale and sandstone layers.	
	0' 6"	262' 0"	Shale, brown.	
	1' 9"	263' 9"	Shale, hard, sandy.	
	0' 3"	264' 0"	Coal and shale.	
	13' 0"	277' 0"	Shale.	
	1' 0"	278' 0"	Shale, coal mkgs.	
	2' 0"	280' 0"	Shale.	
	5' 0"	285' 0"	Sandstone.	
	7' 6"	293' 0"	Shale.	
	6' 7"	299' 7"	Sandstone.	
	0' 5"	300' 0"	COAL.	
	1' 0"	301' 0"	Sandstone.	
	5' 0"	306' 0"	Shale.	
	23' 0"		Sandstone.	
	0' 0 1/2"	329' 0"	COAL.	
	10' 9 1/2"	329' 0 1/2"	Sandstone.	
	0' 2"	339' 10"	COAL.	
	1' 0"	340' 0"	Sandstone.	
	6' 0"	347' 0"	Shale.	
	0' 9"	347' 9"	COAL.	
	0' 4"	348' 1"	Shale.	
	6' 11"	355' 0"	Sandstone.	
	8' 0"	361' 0"	Shale with sandstone layers.	
	0' 4"	361' 4"	Coal and shale.	
	1' 8"	363' 0"	Shale.	
	1' 0"	364' 0"	Sandstone.	
	0' 3"	364' 3"	Shale.	
	11' 9"	375' 0"	Sandstone.	
	2' 7"	378' 0"	Shale.	
	0' 5"	378' 7"	COAL.	
	5' 0"	384' 0"	Shale.	
	6' 0"	390' 0"	Sandstone + sandy shale mixed	
	3' 0"	396' 0"	Shale.	
	5' 6"	399' 0"	Sandstone.	
		404' 6"	Shale.	
	63' 0"		Sandstone.	
	0' 6"	467' 6"	Sandstone with shale layers.	
	52' 0"		Sandstone.	
	3' 0"	520' 0"	Sandstone, coal mkgs.	
	2' 0"	523' 0"	Conglomerate, coal mkgs.	
	5' 0"	525' 0"	Sandstone.	
	1' 0"	530' 0"	Sandstone.	
	2' 0"	531' 0"	Conglomerate.	
	2' 0"	533' 0"	Conglomerate.	
	10' 0"	545' 0"	Shale.	
	11' 0"		Sandstone.	
	1' 0"	556' 0"	Conglomerate.	
	1' 0"	557' 0"	Sandstone.	
	1' 0"	558' 0"	Conglomerate.	
	40' 0"		Sandstone.	
	0' 5"	599' 0"	Conglomerate.	
	1' 7"	599' 5"	Sandstone.	
	0' 4"	601' 4"	Conglomerate.	
	21' 8"		Sandstone.	
	623' 0"			
	24' 0"		Shale.	
	647' 0"			
	11' 0"		Sandstone.	
	658' 0"			
	33' 0"		Shale.	
	0' 2"	691' 0"	Conglomerate.	
	2' 10"	691' 2"	Shale.	
	1' 0"	694' 0"	Shale, coal mkgs.	
	40' 0"		Shale.	
	0' 8"	735' 9"	COAL.	
	7' 7"	736' 5"	COAL.	
	1' 0"	744' 0"	Shale, coal mkgs.	
	24' 0"		Shale.	
	769' 0"			

Drilled: Nov. 15, 1899 - Feb. 10, 1900.

By:

NEW VANCOUVER COAL CO.  
RESERVE

BORE HOLE 51

On road to Frew's ranch, 1 mile W. of Reserve Shaft, Sect. 2, Nanaimo Dist.

Scale: 1 inch = 20 feet.

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
		0' 0"	collar of hole	2089.0
	10' 0"	10' 0"	Surface soil, etc.	Datum - 2000' below M.S.L. 2049.9
	13' 0"	23' 0"	Sandstone.	2030.9
	4' 3"	27' 3"	Shale.	2032.6
	0' 3 1/2"	27' 6 1/2"	COAL.	2032.3
	9' 6 1/2"	37' 0"	Sandstone.	2022.8
	3' 0"	40' 0"	Sandstone, with shale layers.	2019.3
	3' 6"	44' 0"	Shale.	2015.8
	5' 0"	49' 0"	Sandstone, shale mkg.	2010.8
	13' 6"	62' 6"	Sandstone.	1997.3
	0' 1"	62' 7"	COAL.	1997.2
	0' 6"	63' 0"	Shale.	1996.8
	1' 6"	64' 0"	Sandstone.	1995.3
	0' 8"	64' 8"	Shale.	1994.8
	5' 0"	70' 0"	Sandstone, shale layers.	1989.8
	0' 4"	70' 4"	Sandstone, coal mkg.	1989.5
	1' 0"	71' 4"	Shale.	1988.5
	0' 5"	71' 9"	COAL.	1988.1
	0' 3"	72' 0"	Shale.	1987.8
	3' 0"	75' 0"	Sandstone.	1984.8
	2' 0"	77' 0"	Shale.	1982.8
	3' 0"	80' 0"	Sandstone.	1979.9
	4' 8 1/2"	84' 8 1/2"	Shale.	1978.1
	0' 3 1/2"	85' 0"	COAL.	1974.8
	3' 0"	88' 0"	Shale.	1971.8
	22' 9"	110' 9"	Sandstone.	1949.0
	0' 3"	111' 0"	COAL.	1948.7
	3' 0"	114' 0"	Shale.	1946.7
	38' 3"		Sandstone with 1/2" shale band at 118'.	
	0' 9"	152' 3"	Shale, coal mkg.	1907.4
	1' 0"	153' 0"	Shale.	1906.6
	11' 0"	154' 0"	Sandstone.	1905.0
	0' 7 1/2"	165' 0"	COAL.	1894.6
	0' 9"	165' 7 1/2"	Shale.	1893.9
	2' 7 1/2"	168' 4 1/2"	Sandstone.	1893.1
	5' 0"	173' 0"	Shale.	1892.4
	1' 0"	174' 0"	Sandstone.	1891.4
	5' 3"	179' 0"	Shale.	1884.4
	0' 9"	180' 3"	Shale, coal mkg.	1879.1
	3' 0"	184' 0"	Shale.	1878.5
	13' 3"	197' 3"	Sandstone, shale mkg.	1862.0
	0' 6"	197' 9"	Shale.	1861.5
	0' 3"	198' 0"	COAL.	1861.2
	0' 3"	198' 3"	Shale.	1860.9
	0' 2"	198' 5"	COAL.	1860.7
	1' 2"	199' 7"	Shale.	1859.5
	0' 5"	200' 0"	COAL.	1859.1
	1' 8"	201' 8"	Shale.	1857.4
	0' 4"	202' 0"	COAL.	1857.1
	3' 0"	205' 0"	Shale.	1854.4
	17' 0"	222' 0"	Sandstone.	1837.9
	0' 4"	222' 4"	Shale.	1837.6
	4' 8"	227' 0"	Sandstone, shale mkg.	1832.9
	2' 0"	229' 0"	Shale.	1830.9
	5' 0"	234' 0"	Sandstone, shale mkg.	1825.9
	2' 0"	236' 0"	Shale.	1823.9
	1' 8"	237' 6"	Sandstone.	1822.4
	6' 6"	244' 0"	Shale.	1815.9
	13' 0"	257' 0"	Sandstone.	1802.9
	4' 0"	261' 0"	Sandstone, shale mkg.	1798.9
	5' 0"	266' 0"	Shale.	1793.9
	87' 0"		Sandstone, with coal mkg at 296' 4".	
	0' 3"	353' 0"	Conglomerate.	1706.9
	1' 0"	353' 3"	Sandstone.	1706.6
	0' 8"	354' 3"	Conglomerate.	1705.0
	4' 0"	358' 0"	Sandstone.	1704.8
	2' 0"	360' 0"	Conglomerate.	1700.8
	4' 0"	364' 0"	Sandstone, coal mkg.	1698.8
	7' 0"	371' 0"	Conglomerate.	1687.8
	16' 0"		Sandstone.	
	2' 0"	388' 0"	Conglomerate.	1671.8
	11' 0"	399' 0"	Shale.	1669.8
	18' 0"	401' 0"	Sandstone.	1658.8
	0' 3"	419' 0"	Conglomerate.	1640.8
	25' 9"	419' 3"	Sandstone.	1640.5
	1' 6"	445' 0"	Conglomerate.	1614.7
	9' 6"	446' 6"	Sandstone.	1613.2
	2' 0"	456' 0"	Conglomerate.	1605.7
	4' 0"	460' 0"	Sandstone.	1601.7
	1' 0"	462' 0"	Conglomerate.	1597.7
	2' 6"	463' 0"	Sandstone.	1596.7
	2' 8"	465' 6"	Conglomerate.	1594.2
	6' 0"	468' 0"	Sandstone.	1591.7
	2' 0"	474' 0"	Conglomerate.	1585.7
	1' 0"	476' 0"	Sandstone.	1583.7
	1' 0"	477' 0"	Conglomerate.	1582.7
	22' 0"	478' 0"	Sandstone.	1581.7
	14' 0"	500' 0"	Shale.	1559.7
	14' 0"	514' 0"	Shale.	1545.7
	14' 0"	520' 0"	Sandstone, shale layers.	1539.7
	6' 0"	534' 0"	Sandstone, shale layers.	1525.7
	6' 0"	540' 0"	Sandstone.	1519.7
	13' 0"	546' 0"	Shale.	1516.7
	2' 0"	559' 0"	Sandstone.	1500.9
	9' 0"	561' 0"	Shale.	1498.9
	2' 0"	570' 0"	Sandstone.	1489.9
	5' 0"	572' 0"	Shale.	1487.9
	2' 0"	577' 0"	Sandstone.	1482.9
	8' 0"	579' 0"	Shale.	1480.9
	1' 0"	587' 0"	Sandstone.	1472.9
	16' 0"	588' 0"	Shale.	1471.9
	0' 1"	606' 0"	Conglomerate.	1453.9
	1' 0 1/2"	607' 1 1/2"	Shale.	1452.7
	21' 10 1/2"	629' 0"	COAL.	1430.8
	11' 0"	640' 0"	Sandstone.	1419.8
	52' 0"		Shale.	
	0' 2"	692' 0"	Conglomerate.	1367.8
	0' 8"	692' 8"	Shale.	1367.1
	2' 4"	695' 0"	COAL.	1364.8
	11' 0"	706' 0"	Shale.	1353.8
	7' 0"	713' 0"	Conglomerate.	1346.8



NEW VANCOUVER COAL CO.  
RESERVE

BORE HOLE 58  
22 ch. @ N. 42° E. of S.W. corner, I.R. No. 3, Nanaimo District.

Scale: 1 inch = 20 feet.

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
		0' 0"	Collar of hole	
	5' 4"	5' 4"	Surface soil.	Datum - 2000' below M.S.L.
	20' 2"		Sandstone.	
	5' 0"	25' 6"	Sandy shale.	
	12' 6"	30' 6"	Sandstone, black shale mks.	
	12' 5"	43' 0"	Sandy shale, dark brown shale mks.	
	4' 0"	55' 5"	Sandy shale, coal mks.	
	1' 0"	59' 5"	Shale, brown.	
	2' 0"	60' 5"	Sandstone.	
	2' 0"	62' 5"	Sandy shale.	
		64' 5"		
	54' 5"		Sandstone.	
		118' 10"		
	6' 0"	124' 10"	Sandy shale.	
	29' 8"		Sandstone.	
		154' 6"		
	7' 6"	162' 0"	Sandstone, cong. and shale mks.	
	11' 4"		Sandstone, shale mks.	
		173' 4"		
	14' 4"		Sandstone.	
	3' 6"	187' 8"	Sandy shale.	
	8' 4"	191' 2"	Sandstone, shale mks.	
		199' 6"		
	17' 3"		Sandstone, coal and shale mks.	
		216' 9"		
	22' 6"		Sandstone.	
		239' 3"		
	35' 11"		Sandstone, shale mks.	
		276' 2"		
	2' 6"	277' 8"	Sandy shale.	
	5' 5"	283' 1"	Sandstone.	
	9' 6"		Sandstone, shale mks.	
	3' 6"	292' 7"	Sandstone.	
	10' 1"	296' 1"	Sandy shale.	
	2' 10"	306' 2"	Sandstone.	
	10' 6"	309' 0"	Sandy shale.	
	11' 0"	319' 6"	Sandstone.	
		330' 6"		
	49' 0"		Sandy shale.	
		379' 6"		
	7' 3"	386' 9"	Shale, brown, coal mks.	
	2' 3"	388' 9"	Shale, brown.	
	0' 2"	389' 2"	COAL.	
	14' 4"		Shale, brown.	
	0' 8"	403' 6"	Conglomerate.	
	0' 6"	404' 2"	Shale, brown.	
	0' 3"	404' 8"	COAL.	
	0' 6"	404' 11"	Sandy shale, light.	
	4' 0"	409' 5"	Shale, brown.	
	3' 10"	413' 3"	Shale, light brown.	
	12' 1"	425' 4"	Shale, brown, conglomerate and sandstone mks.	
	3' 0"	428' 4"	Shale, brown.	
	2' 0"	430' 4"	Sandy shale.	
	2' 8"	433' 0"	Shale, black.	
	2' 9"	435' 9"	Conglomerate.	
	1' 0"	436' 9"	Shale, brown.	
	5' 0"	441' 9"	Shale, blue, br shale mks.	
	7' 6"	449' 3"	Sandy shale.	
	2' 6"	451' 9"	Shale, yellow.	
	3' 3"	455' 0"	Sandy shale.	
	0' 6"	455' 6"	Shale, black.	
	8' 0"	463' 6"	Shale.	
	4' 0"	467' 6"	Shale, blue.	
	1' 0"	468' 6"	Shale, hard.	
	2' 0"	471' 0"	Shale, blue.	
	3' 2"	474' 2"	Sandy shale.	
	5' 0"	479' 2"	Shale, blue, br shale mks.	
	1' 0"	480' 2"	Sandy shale, blue.	
	2' 0"	482' 2"	Shale, blue, soft.	
	0' 6"	482' 8"	Shale, hard.	
	1' 6"	484' 2"	Sandy shale, blue.	
	1' 10"	486' 0"	Shale, brown.	
	2' 6"	488' 6"	COAL and shale, black.	
	3' 3"	491' 10"	COAL.	
	1' 8"	493' 6"	Shale, grey.	
	4' 0"	497' 6"	Sandy shale.	
	0' 6"	497' 6"	Shale, brown, coal mks.	
	0' 6"	498' 6"	COAL.	
	2' 6"	498' 6"	Shale, hard.	
	1' 4"	501' 0"	Shale, blue.	
	3' 5"	502' 4"	Shale, hard.	
	3' 2"	505' 9"	Shale, brown.	
	2' 0"	508' 11"	Sandy shale.	
	1' 0"	510' 11"	Shale, brown.	
	0' 10"	511' 11"	Shale, brown, coal mks.	
	0' 5"	512' 9"	COAL.	
	0' 9"	513' 2"	Shale, brown.	
	0' 9"	513' 11"	Shale, black, coal mks.	
	0' 6"	514' 8"	Shale, brown.	
	2' 10"	515' 2"	COAL.	
	0' 9"	518' 0"	Shale, brown and COAL.	
	0' 6"	518' 8"	Shale, hard.	
	0' 7"	519' 2"	Shale, brown.	
	3' 0"	522' 9"	Sandy shale.	
	1' 0"	523' 9"	Sandstone.	
	0' 8"	524' 5"	Sandy shale, brown.	
	7' 4"	531' 9"	Sandy sh, blue, coal mks.	
	3' 5"	535' 2"	Shale, hard.	
	0' 4"	535' 6"	Shale, black and COAL.	
	0' 6"	535' 11"	Shale, brown.	
	5' 3"	541' 2"	Sandy shale.	
	19' 2"	560' 4"	Shale, blue.	
	3' 0"	563' 4"	Sandy shale.	
	1' 6"	563' 10"	Shale, brown, coal mks.	
	0' 9"	564' 10"	Sandy shale.	
	1' 0"	565' 7"	Shale, brown.	
	1' 2"	566' 7"	Sandy shale.	
	3' 0"	567' 9"	Shale, blue.	
	2' 0"	570' 9"	Sandy shale.	
	10' 6"	572' 9"	Shale, blue.	
	8' 3"	583' 3"	Sandy shale.	
		591' 6"		

Drilled: June 3 - 25, 1900.

By: T. Brown, T. Green, G.A. Bagshaw.

NEW VANCOUVER COAL CO.  
 RESERVE

BORE HOLE 59  
 19ch. @ N. 40 1/2° E. of S.W. cor. I.R. No. 2, Nanaimo District.

Scale: 1 inch = 20 feet.

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
		0' 0"	Collar of hole	
	5' 2"	5' 2"	Sandy soil and very soft sandstone.	Datum - 2000' below M.S.L.
	55' 2"		Sandstone.	
		60' 4"		
	0' 2"	60' 6"	COAL.	
	2' 4"	62' 10"	Sandstone.	
	5' 0"	67' 10"	Sandy shale.	
	14' 6"		Sandstone.	
	0' 2"	82' 4"	Sandy shale.	
		82' 6"		
	33' 7"		Sandstone.	
		116' 1"		
	8' 0"	124' 1"	Shale, grey.	
	8' 6"	132' 7"	Sandy shale.	
	49' 10"		Sandstone.	
		182' 5"		
	14' 3"	196' 8"	Sandstone, shale mks.	
	90' 7"		Sandstone.	
		287' 3"		
	15' 6"	302' 9"	Sandy shale.	
	13' 8"	316' 5"	Sandy shale, black shale mks.	
	2' 6"	318' 11"	Sandstone.	
	42' 7"		Sandy shale.	
		361' 6"		
	2' 0"	363' 6"	Sh. dk. brown, coal mks.	
	2' 0"	365' 6"	Sh. lt. brown, coal mks.	
	0' 2"	365' 8"	Shale, black.	
	0' 2"	365' 10"	COAL.	
	1' 0"	366' 10"	Sh. lt. brown, coal mks.	
	1' 8"	368' 6"	Sandy shale.	
	1' 0"	369' 6"	Shale, light brown.	
	51' 3"		Shale, brown.	
		420' 9"		
	16' 0"		Shale, blue.	
		436' 9"		
	2' 0"	438' 9"	Sandy shale.	
	0' 6"	439' 3"	Conglomerate.	
	2' 5"	441' 8"	Sandy shale.	
	2' 0"	443' 8"	Shale, blue.	
	1' 0"	444' 8"	Shale, black.	
	14' 9"	459' 6"	Shale, blue.	
	4' 2"	463' 7"	Sandy shale, yellow shale.	
	8' 11"		Shale, blue.	
		472' 6"		
	0' 3"	472' 9"	Shale, light brown.	
	1' 0"	473' 9"	Coal and shale.	
	3' 6"	477' 3"	COAL.	
	2' 4"	479' 7"	Sandy shale.	
	7' 8"	487' 3"	Sandstone, sandy shale.	
	0' 4"	487' 7"	Shale, brown, coal.	
	2' 0"	489' 7"	Shale, brown.	
	1' 6"	491' 1"	Shale, yellow.	
	11' 4"	502' 5"	Shale, blue.	

Drilled: June 29 - July 21, 1900.

By: T. Brown, T. Green, G.A. Bagshaw.

NEW VANCOUVER COAL CO.  
SOUTHFIELD

BORE HOLE 60

Near outcrop, halfway between nos. 1 and 2 slopes, Southfield mine, Sect. 3, Nanaimo Dist.

Scale: 1 inch = 20 feet.

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
		0' 0"	Collar of hole	
	18' 8"		Surface, soil, etc.	Datum - 2000' below M.S.L.
	2' 0"	18' 8"	Conglomerate	
	2' 0"	20' 8"	Hard pan.	
	4' 7"	22' 8"	Shale.	
	1' 0"	27' 3"	Conglomerate.	
	3' 6"	28' 3"	Shale.	
	0' 6"	31' 9"	Shale, coal mkgs.	
	14' 7"	32' 3"	Shale.	
	40' 6"	46' 10"	Conglomerate.	
	3' 10"	87' 4"	Shale, conglomerate pebbles.	
	0' 10"	91' 2"	Conglomerate.	
	2' 4"	92' 0"	Shale, conglomerate pebbles.	
	3' 2"	94' 4"	Conglomerate.	
	4' 10"	97' 6"	Shale, coal mkgs.	
	0' 5"	101' 6"	COAL. (at 101' 5").	
	3' 5"	101' 11"	COAL und shale.	
	6' 10"	105' 4"	COAL (at 105' 4")	
	1' 0"	112' 2"	Shale.	
		113' 2"		

Drilled: Aug. 1-8, 1900.

By:

W-55

NEW VANCOUVER COAL CO.  
RESERVE

600' E. of S.E. cor., I. R. 2, Nanaimo Dist.  
Scale: 1 Inch = 20 feet.

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
		0' 0"	Collar of hole	
	2' 6"	2' 6"	Surface soil.	
	1' 0"	3' 6"	Clay.	Datum -
	7' 6"	11' 0"	Cement.	2000' below M.S.L.
	4' 0"	15' 0"	Blue clay, full of rocks.	
	0' 3"	15' 3"	Sand, coarse.	
	7' 2"	22' 5"	Blue clay.	
	1' 6"	23' 11"	Shale, black.	
	0' 3"	24' 2"	Coal and dirt, soft.	
	33' 5"		Sandstone	
	0' 3"	57' 7"	COAL.	
	6' 9"	64' 7"	Shale.	
	0' 2"	64' 9"	COAL.	
	8' 10"	73' 7"	Sandstone.	
	7' 0"	80' 7"	Shale.	
	84' 2"		Sandstone.	
	0' 3"	164' 9"	Shale.	
	5' 6"	165' 0"	Conglomerate, sandstone bed	
	1' 6"	170' 6"	Sandstone.	
	6' 6"	178' 6"	Shale.	
	90' 4"		Sandstone.	
	2' 2"	268' 10"	Shale.	
	3' 7"	271' 0"	Sandstone.	
	4' 5"	274' 7"	Shale.	
	1' 2"	279' 0"	Sandstone.	
	23' 11"	280' 2"	Conglomerate.	
	9' 5"	304' 1"	Sandstone.	
	0' 3"	313' 6"	COAL.	
	1' 6"	313' 9"	Shale.	
	14' 10"	315' 3"	Sandstone.	
	9' 9"	330' 1"	Shale.	
	1' 3"	339' 10"	Sandstone.	
	1' 0"	341' 1"	Shale.	
	1' 0"	342' 1"	Sandstone.	
	3' 0"	343' 1"	Shale.	
	1' 0"	346' 1"	Sandstone.	
	1' 0"	347' 1"	Shale.	
	6' 0"	348' 1"	Sandy shale.	
	1' 0"	354' 1"	Sandstone.	
	12' 4"	355' 1"	Sandy shale.	
	17' 7"	367' 5"	Sandstone.	
	6' 8"	385' 0"	Sandy shale.	
	1' 6"	391' 8"	Sandstone.	
	0' 10"	393' 2"	Shale.	
	8' 8"	394' 0"	Sandy shale.	
	2' 2"	402' 8"	Shale.	
	14' 11"	404' 10"	Sandy shale.	
	19' 6"	419' 9"	Shale.	
	6' 7"	439' 3"	Conglomerate, shale and sandstone.	
	1' 6"	445' 10"	Shale.	
	7' 6"	447' 4"	Shale, black.	
	10' 3"	454' 10"	COAL.	
	2' 0"	465' 1"	Shale.	
	0' 6"	467' 1"	Coal and shale.	
	0' 9"	468' 7"	COAL, soft.	
	0' 9"	469' 4"	Shale.	
	1' 0"	469' 1"	COAL.	
	20' 11"	470' 1"	Shale.	
	1' 3"	491' 0"	Shale, black dirt streaks.	
	1' 0"	492' 3"	Sandstone.	
	6' 9"	493' 3"	Shale.	
	4' 7"	500' 0"	Sandy shale.	
	1' 0"	504' 7"	Sandstone.	
	6' 5"	505' 7"	Shale.	
	4' 3"	512' 0"	Sandy shale.	
	1' 4"	516' 3"	Shale.	
	10' 6"	517' 7"	Sandy shale.	
	21' 11"	528' 1"	Shale.	
		550' 0"		

Drilled: Jan. 3. - Feb. 21, 1900.

By: T. Green, T. Brown, G.A.B., G.A.,  
W. M. Gregor.

NEW VANCOUVER COAL CO. RESERVE

BORE HOLE 56  
0 chains South of N.E. cor. 1/4 Sec. 3, T. 3 N., R. 3 W., N. 30.00'

Scale: 1 inch = 20 feet.

Section	Thickness	Depth	Material	Elevation
		0'	Order of hole	
	7'	7'	Sand.	2000 below M.S.L.
	7'	14'	Gravel.	
	9'	23'	Sand.	
	3'	26'	Gravel.	
	7'	33'	Sand.	
	4'	37'	Boulders and gravel.	
	2'	39'	Coarse gravel.	
	5'	44'	Sand.	
	7'	51'	Clay.	
	3'	54'	Hardpan.	
	3'	57'	Sand.	
	3'	60'	Fine sandy clay.	
	1'	61'	Sandstone, soft.	
	11'	72'	Shale.	
	18'	90'	Shale, soft, pebbles.	
	17'	107'	Shale, sandstone bands.	
	45'	152'	Shale, soft.	
	145'	297'	Shale.	
	58'	355'	Shale.	
	0'	355'	Shale, soft.	
	19'	374'	Shale.	
	7'	381'	Shale, hard, very hard.	
	7'	388'	Shale, soft.	
	103 1/2'	491'	Shale.	
	0'	491'	Sandstone.	
	43'	534'	Shale.	
	10'	544'	Shale, soft.	
	85 1/2'	629'	Shale.	
	0'	629'	Sandstone.	
	29'	658'	Shale.	
	0'	658'	Sandstone.	
	170'	828'	Shale.	
	0'	828'	Sandstone.	
	10'	838'	Shale.	
	10'	848'	Shale, boulders, concretions?	
	65'	913'	Shale.	
	1'	914'	Shale.	
	0'	914'	Boulder, concretions?	
	16'	930'	Sandstone.	
	0'	930'	Sandstone.	
	63'	993'	Shale.	
	1'	994'	Sandstone.	
	25'	1019'	Shale.	
	0'	1019'	Sandstone.	
	41'	1060'	Shale.	
	0'	1060'	Sandstone, white.	
	24 1/2'	1084 1/2'	Shale.	
	0'	1084 1/2'	Sandstone.	
	68'	1152 1/2'	Shale.	
	0'	1152 1/2'	Boulder, concretions?	
	32'	1184 1/2'	Shale.	
	1'	1185 1/2'	Boulder, concretions?	
	82'	1267 1/2'	Shale.	
	1'	1268 1/2'	Sandy shale.	
	40'	1308 1/2'	Shale.	
	4'	1312 1/2'	Sandstone.	
	6'	1318 1/2'	Sandy shale.	
	15'	1333 1/2'	Shale.	
	11'	1344 1/2'	Sandstone, coarse.	
	2'	1346 1/2'	Sandy shale.	
	2'	1348 1/2'	Sandstone.	
	2'	1350 1/2'	Shale.	
	2'	1352 1/2'	Sandstone.	
	2'	1354 1/2'	Sandstone.	
	2'	1356 1/2'	Sandstone.	
	2'	1358 1/2'	Sandstone.	
	2'	1360 1/2'	Sandstone.	
	2'	1362 1/2'	Sandstone.	
	2'	1364 1/2'	Sandstone.	
	2'	1366 1/2'	Sandstone.	
	2'	1368 1/2'	Sandstone.	
	2'	1370 1/2'	Sandstone.	
	2'	1372 1/2'	Sandstone.	
	2'	1374 1/2'	Sandstone.	
	2'	1376 1/2'	Sandstone.	
	2'	1378 1/2'	Sandstone.	
	2'	1380 1/2'	Sandstone.	
	2'	1382 1/2'	Sandstone.	
	2'	1384 1/2'	Sandstone.	
	2'	1386 1/2'	Sandstone.	
	2'	1388 1/2'	Sandstone.	
	2'	1390 1/2'	Sandstone.	
	2'	1392 1/2'	Sandstone.	
	2'	1394 1/2'	Sandstone.	
	2'	1396 1/2'	Sandstone.	
	2'	1398 1/2'	Sandstone.	
	2'	1400 1/2'	Sandstone.	
	2'	1402 1/2'	Sandstone.	
	2'	1404 1/2'	Sandstone.	
	2'	1406 1/2'	Sandstone.	
	2'	1408 1/2'	Sandstone.	
	2'	1410 1/2'	Sandstone.	
	2'	1412 1/2'	Sandstone.	
	2'	1414 1/2'	Sandstone.	
	2'	1416 1/2'	Sandstone.	
	2'	1418 1/2'	Sandstone.	
	2'	1420 1/2'	Sandstone.	
	11'	1431 1/2'	Sandstone.	
	2'	1433 1/2'	Sandstone.	
	2'	1435 1/2'	Sandstone.	
	2'	1437 1/2'	Sandstone.	
	2'	1439 1/2'	Sandstone.	
	2'	1441 1/2'	Sandstone.	
	2'	1443 1/2'	Sandstone.	
	2'	1445 1/2'	Sandstone.	
	2'	1447 1/2'	Sandstone.	
	2'	1449 1/2'	Sandstone.	
	2'	1451 1/2'	Sandstone.	
	2'	1453 1/2'	Sandstone.	
	2'	1455 1/2'	Sandstone.	
	2'	1457 1/2'	Sandstone.	
	2'	1459 1/2'	Sandstone.	
	2'	1461 1/2'	Sandstone.	
	2'	1463 1/2'	Sandstone.	
	2'	1465 1/2'	Sandstone.	
	2'	1467 1/2'	Sandstone.	
	2'	1469 1/2'	Sandstone.	
	2'	1471 1/2'	Sandstone.	
	2'	1473 1/2'	Sandstone.	
	2'	1475 1/2'	Sandstone.	
	2'	1477 1/2'	Sandstone.	
	2'	1479 1/2'	Sandstone.	
	2'	1481 1/2'	Sandstone.	
	2'	1483 1/2'	Sandstone.	
	2'	1485 1/2'	Sandstone.	
	2'	1487 1/2'	Sandstone.	
	2'	1489 1/2'	Sandstone.	
	2'	1491 1/2'	Sandstone.	
	2'	1493 1/2'	Sandstone.	
	2'	1495 1/2'	Sandstone.	
	2'	1497 1/2'	Sandstone.	
	2'	1499 1/2'	Sandstone.	
	2'	1501 1/2'	Sandstone.	
	2'	1503 1/2'	Sandstone.	
	2'	1505 1/2'	Sandstone.	
	2'	1507 1/2'	Sandstone.	
	2'	1509 1/2'	Sandstone.	
	2'	1511 1/2'	Sandstone.	
	2'	1513 1/2'	Sandstone.	
	2'	1515 1/2'	Sandstone.	
	2'	1517 1/2'	Sandstone.	
	2'	1519 1/2'	Sandstone.	
	2'	1521 1/2'	Sandstone.	
	2'	1523 1/2'	Sandstone.	
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	2'	1535 1/2'	Sandstone.	
	2'	1537 1/2'	Sandstone.	
	2'	1539 1/2'	Sandstone.	
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	2'	1543 1/2'	Sandstone.	
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	2'	1553 1/2'	Sandstone.	
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	2'	1611 1/2'	Sandstone.	
	2'	1613 1/2'	Sandstone.	
	2'	1615 1/2'	Sandstone.	
	2'	1617 1/2'	Sandstone.	
	2'	1619 1/2'	Sandstone.	
	2'	1621 1/2'	Sandstone.	
	2'	1623 1/2'	Sandstone.	
	2'	1625 1/2'	Sandstone.	
	2'	1627 1/2'	Sandstone.	
	2'	1629 1/2'	Sandstone.	
	2'	1631 1/2'	Sandstone.	
	2'	1633 1/2'	Sandstone.	
	2'	1635 1/2'	Sandstone.	
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	2'	1639 1/2'	Sandstone.	
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	2'	1643 1/2'	Sandstone.	
	2'	1645 1/2'	Sandstone.	
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	2'	1651 1/2'	Sandstone.	
	2'	1653 1/2'	Sandstone.	
	2'	1655 1/2'	Sandstone.	
	2'	1657 1/2'	Sandstone.	
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	2'	1661 1/2'	Sandstone.	
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	2'	1751 1/2'	Sandstone.	
	2'	1753 1/2'	Sandstone.	
	2'	1755 1/2'	Sandstone.	
	2'	1757 1/2'	Sandstone.	
	2'	1759 1/2'	Sandstone.	
	2'	1761 1/2'	Sandstone.	
	2'	1763 1/2'	Sandstone.	
	2'	1765 1/2'	Sandstone.	
	2'	1767 1/2'	Sandstone.	
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	2'	1785 1/2'	Sandstone.	
	2'	1787 1/2'	Sandstone.	
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	2'	1793 1/2'	Sandstone.	
	2'	1795 1/2'	Sandstone.	
	2'	1797 1/2'	Sandstone.	
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	2'	1837 1/2'	Sandstone.	
	2'	1839 1/2'	Sandstone.	
	2'	1841 1/2'	Sandstone.	
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	2'	1847 1/2'	Sandstone.	
	2'	1849 1/2'	Sandstone.	
	2'	1851 1/2'	Sandstone.	
	2'	1853 1/2'	Sandstone.	
	2'	1855 1/2'	Sandstone.	
	2'	1857 1/2'	Sandstone.	
	2'			



NEW VANCOUVER COAL CO.  
RESERVE

BORE HOLE 57

In Sect. 3, Nanaimo District, 9-8 ch. (647) at S. 10° W. from S.E. corner post of 1 R. No. 2.

Scale: 1 inch = 20 feet.

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
		0' 0"	Collar of hole	
		15' 0"	Surface soil, etc.	
		15' 0"	Sandstone.	Datum - 2000' below M.S.L.
		26' 7"	COAL.	
		27' 3"	Shale.	
		28' 5"	Sandstone.	
		41' 10"	COAL.	
		42' 6"	Shale.	
		44' 6"	Sandstone.	
		45' 10"	COAL.	
		45' 11"	Sandstone.	
		46' 4"	Shale, black.	
		46' 5"	Sandstone.	
		47' 5"	Shale, black.	
		47' 6"	Sandstone.	
		48' 3"	Shale, black.	
		48' 4"	Sandstone.	
		49' 8"	Shale, black.	
		49' 9"	Sandstone.	
		56' 6"	Shale.	
		57' 11"	COAL.	
		58' 1"	Sandstone.	
		61' 7"	Sandy shale.	
		67' 0"	Shale.	
		68' 0"	Sandstone.	
		70' 0"	Shale.	
		71' 10"	Sandstone.	
		76' 2"	Sandy shale.	
		79' 2"	COAL.	
		79' 3"	Sandy shale.	
		82' 4"	Sandstone.	
		83' 2"	Shale, black.	
		83' 5"	COAL.	
		84' 1"	Shale, brown.	
		84' 4"	Shale, black.	
		84' 7"	Sandstone.	
		84' 10"	Shale.	
		85' 1"	Sandstone.	
		96' 2"	Shale.	
		96' 6"	Sandstone.	
		100' 2"	Shale.	
		100' 5"	Sandstone.	
		114' 10"	Shale.	
		115' 3 1/2"	Sandstone.	
		124' 1"	Shale, black.	
		124' 2"	COAL.	
		124' 4"	Shale, black.	
		124' 6"	Sandy shale.	
		129' 2"	COAL.	
		129' 6"	Sandy shale.	
		133' 0"	Sandstone.	
		135' 0"	Sandy shale.	
		136' 0"	Sandstone.	
		142' 0"	Sandy shale.	
		145' 0"	Shale.	
		147' 0"	Sandy shale.	
		149' 4"	Sandstone.	
		150' 4"	Shale.	
		154' 4"	Sandstone.	
		169' 1"	COAL.	
		169' 2"	Shale, brown.	
		170' 9"	Sandstone, dark.	
		172' 3"	Shale.	
		179' 7"	Sandy shale.	
		182' 1"	Sandstone.	
		196' 7"	Sandy shale.	
		205' 11"	Sandstone.	
		207' 5"	Sandy shale.	
		210' 5"	Shale, coal mkg.	
		210' 11"	Sandstone.	
		284' 1"	Shale.	
		284' 3"	Clay.	
		284' 4"	Sandstone.	
		296' 4"	Conglomerate.	
		301' 4"	Sandy shale.	
		304' 4"	Sandstone.	
		313' 10"	Sandy shale.	
		315' 10"	Sandstone.	
		353' 3"	Sandstone, sh. & coal mkg.	
		362' 7"	Sandstone.	
		373' 10"	Sandy shale.	
		380' 0"	Sandstone.	
		392' 9"	Sandy shale.	
		401' 9"	Sandstone.	
		407' 3"	Sandy shale.	
		410' 7"	Sandstone.	
		418' 7"	Sandy shale.	
		53' 2"	Shale.	
		471' 9"	Shale.	
		476' 10"	Sandy shale.	
		481' 7"	Shale, black.	
		488' 7"	Sandy shale.	
		489' 4"	Shale.	
		491' 4"	Shale, black.	
		491' 9"	Shale, brown.	
		493' 3"	Sandy shale.	
		493' 9"	Shale, brown.	
		494' 3"	Sandy shale.	
		495' 0"	Shale, black.	
		499' 10"	COAL.	
		500' 0"	Shale, black.	
		502' 4"	COAL.	
		502' 6"	Shale, brown.	
		503' 2"	Shale, brown; coal mkg.	
		510' 3"	Sandy shale.	
		511' 0"	Shale, brown.	
		525' 8 1/2"	Shale, black.	
		527' 2 1/2"	Sandy shale.	
		527' 1 1/2"	Sandstone.	
		528' 1 1/2"	Shale (Soapstone.)	
		528' 3 1/2"	Sandstone.	
		530' 8"	Sandy shale, sandstone.	
		532' 6"	Shale, black.	
		533' 4"	Shale, brown.	
		533' 10"	Sandy shale.	
		541' 1 1/2"	Sandstone.	
		544' 3 1/2"	Sandy shale.	
		547' 3 1/2"	Conglomerate.	
		555' 6"	Shale, blue.	
		560' 3"	Sandy shale, blue.	
		565' 3"	Shale, blue.	
		567' 0"	Conglomerate.	
		570' 3"	Shale, blue.	
		574' 9"	Sandy shale.	
		576' 9"	Shale, blue.	
		577' 9"	Sandy shale, blue.	
		582' 1"	Shale.	
		583' 1"	Sandy shale.	
		593' 10"	Sandstone.	
		596' 10"	Sandy shale.	
		610' 9"	Shale, blue.	
		622' 8"	Sandy shale.	
		639' 9"	Shale, blue; sandy shale	
		642' 11"	Sandy shale, blue.	
		653' 5"	Shale, blue.	
		656' 11"	Sandy shale.	
		668' 0"	Sandstone.	
		670' 0"	Shale	
		677' 0"	Conglomerate.	
		678' 0"	Sandy shale.	
		702' 5"	Shale.	
		711' 3"	Sandstone.	
		713' 3"	Sandy shale.	
		714' 7"	Shale	
		723' 10"	Sandy shale.	
		736' 0"	Conglomerate.	
		736' 7"	Sandy shale.	
		750' 3"	Conglomerate.	
		754' 8"	Sandy shale.	
		755' 2"	Conglomerate.	
		756' 10"	Sandy shale.	
		763' 5"	Shale.	
		800' 3"	Sandy shale.	
		831' 5"	Sandy shale.	

Drilled: March 26 - May 26, 1900.  
By: T. Brown, T. Green, G. A. Bagshaw.

00720 (8)

Sec. 9, R. 2, Cranberry Distr  
C-21

Canadian Collieries (Dunsmuir) Ltd.

PROSPECT HOLE N<sup>o</sup> 21

EXTENSION DISTRICT

Scale 1" = 20'

MATERIAL	SECTION	THICKNESS	DEPTH BELOW SURFACE	ELEVATION	DATE
Gravel		2' 0"	2' 0"	2489.0 2487.0	Dec 6 <sup>th</sup> 1912
Conglomerate		66' 0"			7 <sup>th</sup>
					9 <sup>th</sup>
					10 <sup>th</sup>
					11 <sup>th</sup>
					12 <sup>th</sup> 13 <sup>th</sup>
Shale		17' 6"	68' 0"	2421.0	14 <sup>th</sup>
Sandstone		6' 6"	85' 6"	2403.5	
			92' 0"	2397.0	16 <sup>th</sup>
Conglomerate		117' 6"			17 <sup>th</sup>
					18 <sup>th</sup>
					19 <sup>th</sup>
					20 <sup>th</sup>
					21 <sup>st</sup>
					23 <sup>rd</sup>
					24 <sup>th</sup>
					25 <sup>th</sup>
					27 <sup>th</sup>
					28 <sup>th</sup>
Sandstone		7' 0"	209' 6"	2279.5	
			216' 6"	2272.5	Jan 7 2 <sup>nd</sup> 1913
Conglomerate		116' 0"			3 <sup>rd</sup>
					4 <sup>th</sup>
					6 <sup>th</sup>
					7 <sup>th</sup>
					8 <sup>th</sup>
					9 <sup>th</sup>
					10 <sup>th</sup>
					11 <sup>th</sup>
					13 <sup>th</sup>
					14 <sup>th</sup>
					15 <sup>th</sup>
					16 <sup>th</sup>
					17 <sup>th</sup>
Shale COAL Brown Sandstone Brown Shale Brown Sandstone Brown Siliceous Sandstone Shale		2' 4" 2' 8" 3' 1'	93' 0"	2156.5	23 <sup>rd</sup>
			95' 0"	2154.2	24 <sup>th</sup>
			98' 0"	2153.5	
			101' 0"	2151.5	
			104' 0"	2151.0	25 <sup>th</sup>
			107' 0"	2148.0	27 <sup>th</sup>
			110' 0"	2147.5	28 <sup>th</sup>
			113' 0"	2146.0	
			116' 0"	2145.5	
					29 <sup>th</sup>
Sandstone		35' 6"			30 <sup>th</sup>
					31 <sup>st</sup>
Conglomerate Sandstone		2' 0" 1' 0"	379' 0"	2110.0	
			382' 0"	2108.0	Feb 7 1 <sup>st</sup>
Sandy Shale		30' 0"			3 <sup>rd</sup>
					4 <sup>th</sup>
					5 <sup>th</sup>
					6 <sup>th</sup>
					7 <sup>th</sup>
					8 <sup>th</sup>
		432' 0"	2057.0		

Varadimo B.H. 21  
 CANADIAN COLLIERIES  
 (DUNSMUIR) LTD.

STATE	COMPANY
COUNTY	FARM
Sec 9	C-21
BLOCK	SURVEY
R 2	(prospect Hole # 21)
SEC.	Extension District.
T.	R.
	TOTAL DEPTH
	432'
	CONTRACTOR
	COMMENCED
	Dec 6, 1912
	COMPLETED
	Feb 8, 1913
	REMARKS
ALTITUDE	
489	
PRODUCTION	

CASING RECORD

	10'
	8 1/2"
	6 1/2"
20'	
15 1/2"	
12 1/4"	
SHOT	QUARTS BETWEEN

00720





00720

(L3)

Material	Section	Thickness	Depth below Surface	Elevation	Date
			0'-0"		May 25-1911
Surface Drift		37'-1"			" 25 "
					" 26 "
Conglomerate		5'-10"	37'-1"		" 27 "
Shale		5'-5"	42'-11"		" 28 "
			48'-4"		" 29 "
Sandstone		35'-2"			" 30 "
			83'-6"		" 31 "
Conglomerate		10'-0"	93'-6"		" 32 "
Sandstone		6'-0"	99'-6"		" 33 "
Clay Shale		4'-11"	104'-5"		" 34 "
Conglomerate		6'-5"	110'-10"		" 35 "
					June 1-1911
					" 36 "
					" 37 "
Clay Shale		106'-4"			" 38 "
					" 39 "
					" 40 "
			217'-2"		" 41 "
					" 42 "
Conglomerate		40'-4"			" 43 "
					" 44 "
					" 45 "
Sandstone		4'-1"	257'-6"		" 46 "
Conglomerate		2'-11"	261'-7"		" 47 "
			264'-6"		" 48 "
Clay Shale		25'-9"			" 49 "
			290'-1"		" 50 "
					" 51 "
					" 52 "
Conglomerate		61'-4"			" 53 "
					" 54 "
					" 55 "
Shale		1'-3"	351'-5"		" 56 "
			352'-8"		" 57 "
					" 58 "
Conglomerate		27'-1"			" 59 "
					" 60 "
					" 61 "
Clay Shale		9'-9"	379'-9"		" 62 "
			387'-6"		" 63 "
					July 4-1911
					" 64 "
Conglomerate		41'-2"			" 65 "
					" 66 "
					" 67 "
Shale		3'-5"	429'-8"		" 68 "
			438'-1"		" 69 "
					" 70 "
					" 71 "
Clay Shale		63'-0"			" 72 "

**WYOMING**  
**CRAWFORD OILFIELD**  
**(Dunsmuir) Ltd.**

STATE: **WYOMING** COMPANY: **Crawford Oilfield Ltd.**

COUNTY: **WYOMING** FARM: **C-11** WELL NO.:

BLOCK: **?** SURVEY: **(Prospect Hole No. 11, Extension District)**

SEC. **Cranberry D.** EXTENSION DISTRICT

T. **495'** TOTAL DEPTH: **1"**

CONTRACTOR:

COMMENCED: **May 25, 1911**

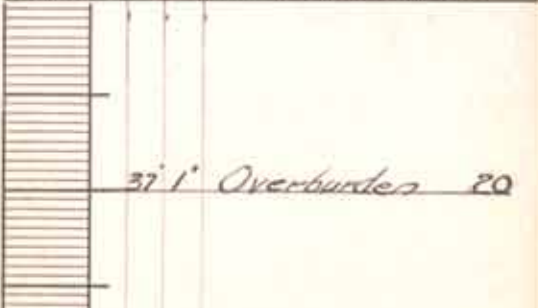
COMPLETED: **July 15, 1911**

REMARKS:

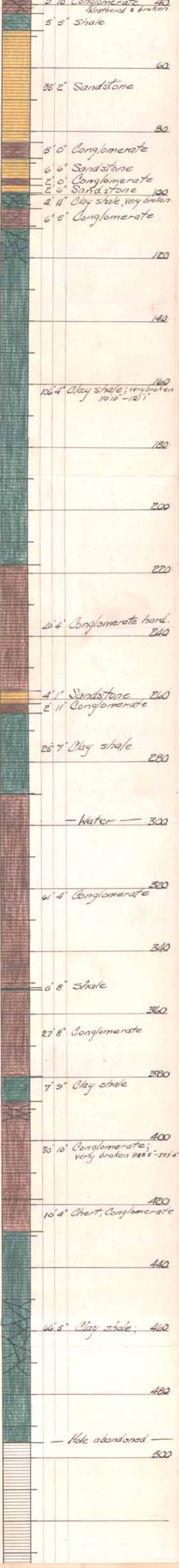
ALTITUDE: **?**

PRODUCTION: **(4)**

**CASING RECORD**



FORM 394 - In stock and for sale by Mid-West Prtg. Co., Tulsa





C-22

W. H. Brantley

CANADIAN COLLIERIES (DUNSMUIR) LTD.

C-22

00720

PROSPECT HOLE No 22  
EXTENSION FIELD

Scale 1=20

Material	Section	Thick	Bed No	Elev	Date
			Surface		
Surface Soil		2-3		2745.0 2742.7	1916 May 8
Conglomerate		33-6			
Sandstone		2-1		35-3 2709.7 37-4 2707.7	May 16
Conglomerate		94-10			
Broken Shale		2-0		132-2 2672.8	May 27
Clay Shale		1-0		136-2 2608.8	
Shale Laminae		1-6		148-3 2604.8	
Mining Shale		1-1		147-4 2603.2	
Coal		3-4		142-1 2602.1	May 27
Clay shale		11		140-3 2598.7	
Broken Shale		13-4		177-8 2597.8	
				180-6 2504.5	May 29
Compressed Sandstone		100-0			
				260-6 2484.5	June 2
Clay shale		434-10			
				695-4 2049.7	June 23



Nanaimo B.H. 22  
 STATE CANADIAN ELECTRICITIES (DUNSMUIR) LTD.  
 COUNTY Sec 6 COMPANY FARM WELL NO. C-22  
 BLOCK R1 SURVEY (Prospect Hole No. 22)  
 SEC. Cranberry Extension Field  
 T. 7 TOTAL DEPTH 695'4"

CONTRACTOR  
 COMMENCED May 8, 1916  
 COMPLETED June 23, 1916

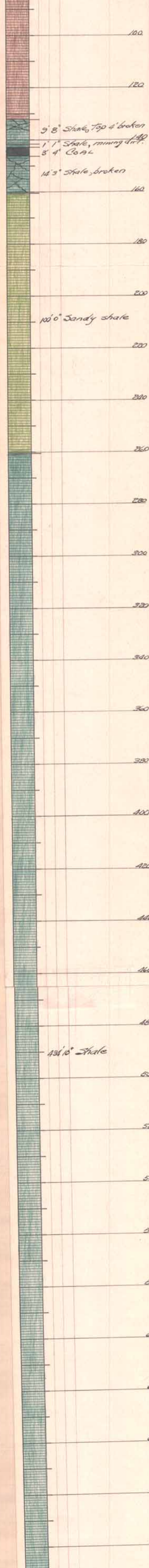
REMARKS (L6)

ALTIMITUDE 745  
 PRODUCTION

CASING RECORD

10"  
 8"  
 6"  
 5"  
 00720  
 SHUT QUARTS BETWEEN

FORM 394 - In stock and for sale by Mid-West Prtg. Co., Tulsa





**CANADIAN COLLIERIES (DUNSMUIR) LTD**

C-23

00720

**PROSPECT HOLE N°2  
EXTENSION FIELD**

Material	Section	Thick	Depth below Surface	Elev.	Date
Surface Soil		7'-0"	7.0	2399.5	July 10, 1916
Conglomerate		14'-1"			
Shale		4'-1"	51.1 55.5	2355.4 2351.9	
Conglomerate		85'-8"			
Shale		22'-0"	140.8 162.0	226.2 224.37	
Conglomerate		57'-9"			
Shale		4'-0"	220.6 224.6	2185.9 2181.9	July 27, 1916
Conglomerate		177'-7"			
Shale		12'-0"	402.2 414.2	2004.3 1992.3	
Conglomerate		36'-6"			
Rash Coal Shale		2'-2" 0'-11" 1'-0"	450.7 452.0 453.7 455.1	1955.0 1953.7 1952.8 1951.4	Aug 24, 1916
Sandstone		78'-1"			
Clay Shale		176'-6"	527.2	1879.3	Aug 27, 1916

Namaimo Dist. 23

STATE	CANADIAN COLLIERIES
COUNTY	COMPANY (Dunsmuir) R2D
BLOCK	FARM
Sec 6, R2.	(Prospect hole # 23)
BEC. (Cranberry)	Extension Field
T.	J.
	TOTAL DEPTH
	703.8
	CONTRACTOR
	COMMENCED July 10, 1916
	COMPLETED Sept 2, 1916
	REMARKS
ALTIMUDE 4065	
PRODUCTION	

00720

FORM 384 - In stock and for sale by Mid-West Prtg. Co., Tulsa





**CANADIAN COLLIERIES (DUNSMUIR) LTD**  
**PROSPECT HOLE N<sup>o</sup> 24**  
**EXTENSION FIELD**

C-24

00720 (10)

SCALE 1-20

(L)

Material	Section	Thick	Depth below Surface	Elev.	Date
				2368	1916
Hard Clay		25'-0"	25'-0"	2343.0	Sept. 15
Hardpan		39'-6"			
Gravel Sandstone		3'-3"	64'-3"	2303.6	
		3'-0"	67'-0"	2300.3	
			70'-0"	2297.4	
Conglomerate		115'-10"			
Sandstone		5'-6"	186'-6"	2181.6	
			192'-0"	2176.0	
Conglomerate		75'-6"			
Shale		3'-10"	261'-6"	2100.8	
Coal		2'-0"	276'-6"	2091.7	
Shale		2'-0"	278'-6"	2089.5	
Coal		2'-0"	278'-6"	2089.3	
Shale		2'-0"	281'-0"	2087.0	
Coal		1'-7"	288'-7"	2085.9	Oct. 18
Sandstone		25'-6"			
			307'-6"	2060.4	
Conglomerate		11'-0"			
			318'-7"	2049.4	
Sandstone		30'-0"			
			348'-7"	2019.4	Oct. 21
Shale		292'-2"			
			640'-9"	1727.2	Nov. 1

Narramore B.H. 24  
 CANADIAN COLLIERIES  
 (Owenumit) Ltd.

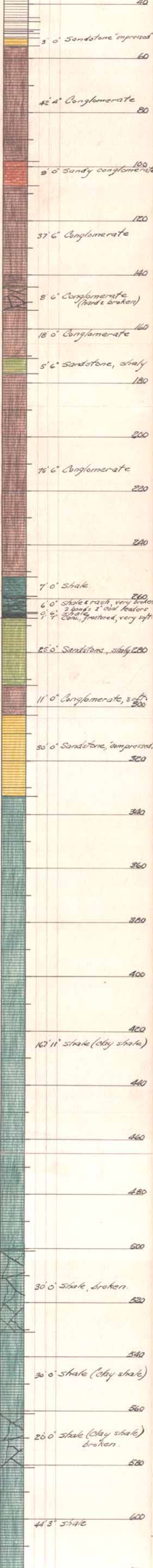
STATE	COMPANY	WELL NO.
COUNTY 59	FARM (C-24)	
BLOCK R 3	SURVEY (Prospect Hole No. 24 Extension Field)	
SEC. Cranberry		
T. R.		TOTAL DEPTH 625' 9"
ALTITUDE 368'	CONTRACTOR	
PRODUCTION	COMMENCED Sept 15, 1916	
	COMPLETED Nov 1, 1916	
	REMARKS	(L2)

CASING RECORD

10'	8 3/4"	(10)
20'	8 1/2"	
15 1/2"		
12 1/4"		
SHOT	QUAIRS	BETWEEN

00720

FORM 394 - In stock and for sale by Mid-West Prtg. Co., Tulsa





C-25

See TO. P. 37

CANADIAN COLLIERIES (DUNSMUIR) LTD

C-25

00720 (11)

PROSPECT HOLE N-25  
EXTENSION FIELD

SCALE: 1"=20'

(L)

Material	Section	Thick	below	Date
			Surface	
Clay		4'-0"	2390.0	1916.
			2386.0	Nov. 15
Conglomerate		76'-3"		
			80'-5"	2309.7
Shale		46'-9"		
			127'-0"	2263.9
Shale & Sandst.		11'-2"	138'-2"	2251.8
Shale		17'-0"	155'-2"	2234.8
				Nov. 23
Conglomerate		202'-0"		
			357'-2"	2032.8
Sandy Shale		11'-2"		1917.
Broken Shale with Coal Marks		7'-6"	368'-4"	2021.7
			375'-10"	2014.2
Shale		18'-6"		
			394'-5"	1995.7
Sandstone		17'-6"		
			411'-10"	1978.2
Sandy Shale		67'-0"		
			478'-10"	1911.2
Shale		72'-6"		
			551'-4"	1839.7
				Jan. 10.



Noraimo B.H. 25  
 CANADIAN COLIERIES  
 STATE (Dunsmuir) Ltd.  
 COUNTY Sec. 10 FARM (C-25) WELL NO.  
 BLOCK R. 3 SURVEY (Prospect No 25)  
 SEC. Cranberry D Extension Field  
 T. R. TOTAL DEPTH 551' 4"  
 CONTRACTOR  
 COMMENCED Nov. 15, 1916  
 COMPLETED Jan. 10, 1917  
 REMARKS (L2)  
 ALTITUDE 3860'  
 PRODUCTION

CASING RECORD

	10'	
	8 1/4'	
20'		
15 1/4'		
12 1/4'		
SHOT	QUARTS	BETWEEN

00720

FORM 394 - In stock and for sale by Mid-West Prtg. Co., Tulsa





CANADIAN COLLIERIES (DUNSMUIR) LTD.

PROSPECT HOLE N<sup>o</sup> 26.

00720<sup>(a)</sup>

EXTENSION FIELD

Scale: 1"=20'

Material	Section	Thick	Depth below Surface	Elev.	Date.
Hardpan		10'-0"	10'-0"	2362.5	1917 Febr. 21.
Conglomerate		147'-0"			
Sandstone		2'-0"	157'-6" 159'-6"	2215.5 2213.5	
Conglomerate		25'-0"			
Shale		0'-9"	184'-6" 185'-2"	2188.5 2187.7	
Conglomerate		25'-9"			
Shale		3'-10"	211'-0" 214'-10"	2162.0 2158.2	
Conglomerate		23'-0"			
Shale		27'-2"	237'-10" 265'-0"	2135.2 2108.0	
Conglomerate		146'-5"			
			411'-5"	1961.6	April 5.



Narrimmo B.H. 26  
 Canadian Collieries  
 (Dunsmuir) Ltd.

STATE		COMPANY	
COUNTY	FARM	WELL NO.	
Sec 8 R4		C-26	
BLOCK	SURVEY		
Cranberry	(Prospect Hole No. 26)		
SEC. D.	Extension Field.		
T.	R.	TOTAL DEPTH	
		411'5"	
CONTRACTOR			
COMMENCED Feb 21, 1917			
COMPLETED Apr. 5, 1917			
REMARKS			
ALTITUDE		L2	
372.5'			
PRODUCTION			

CASING RECORD

10'		
20'		
15H'		
12H'		
SHOT	QUARTS	BETWEEN

00720

FORM 394 - In stock and for sale by Mid-West Prtg. Co., Tulsa





CANADIAN COLLIERIES (DUNSMUIR) LTD

C-27

PROSPECT HOLE No 27

EXTENSION FIELD

Scale 1"=20'

00720

(13)

(L)

Material	Section	Thick	Depth below Surface	Elev.	Date
Surface Soil		3'-1"	5'-1"	2940.0 2934.9	1917 April 18
Sandstone		39'-2"			
Clay Shale		0'-0"	44'-3"	2895.0	
			52'-3"	2887.0	
Sandy Shale		136'-9"			
			189'-0"	2751.0	April 23
Clay Shale		570'-0"			



Nansimo BH. 27  
 CANADIAN COLLIERIES  
 (DUNSMUIR) LTD.

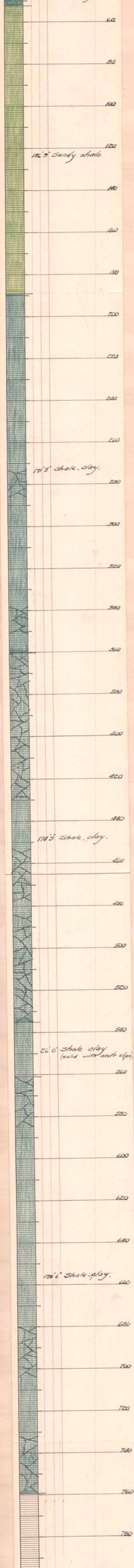
STATE	CANADIAN COLLIERIES (DUNSMUIR) LTD.	
COUNTY	FARM	WELL NO.
BLOCK	(C-27)	
SEC.	(Prospect Hole No. 27) Extension Field	
T. R.	759'	TOTAL DEPTH
CONTRACTOR		
COMMENCED Apr. 18, 1917		
COMPLETED June 7, 1917		
REMARKS		
ALTITUDE	940	
PRODUCTION		

CASING RECORD

10"		
12"		
15 1/2"		
20"		
SHOT	QUARTS	BETWEEN

00720

FORM 394 - In stock and for sale by Mid-West Prtg. Co., Tulsa





CANADIAN COLLIERIES (DUNSMUIR) LTD.

C-28

PROSPECT HOLE N° 28.

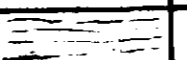
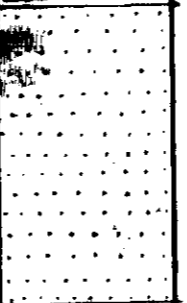
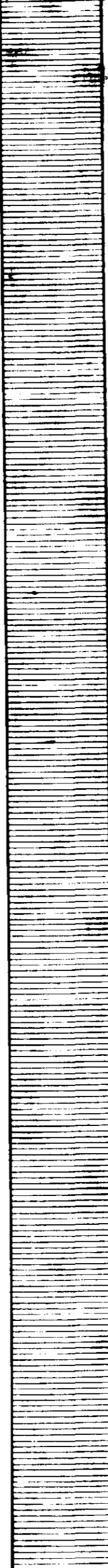
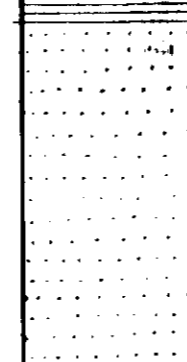
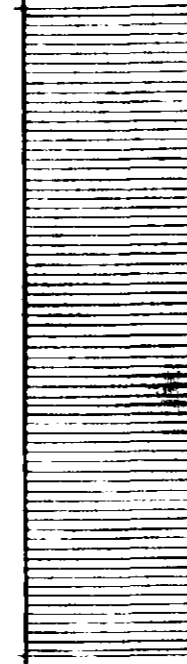
EXTENSION FIELD

00720

Scale: 1:20

(14)

(11)

Material	Section	Thick	Depth below Surface	Elev.	Date
				2937	1917
Surface Soil		5'-2"	5'-0"	2931.0	May 2
Sandstone		31'-0"	36'-2"	2900.0	May 3
Clay Shale		281'-10"	318'-0"	2619.0	May 10
Sandstone		36'-0"	354'-0"	2593.0	May 11
Clay Shale		67'-0"	421'-0"	2516.0	May 14



Nanaimo B.H. 28  
 CANADIAN COLLIERIES  
 (DUNSMUIR) LTD.

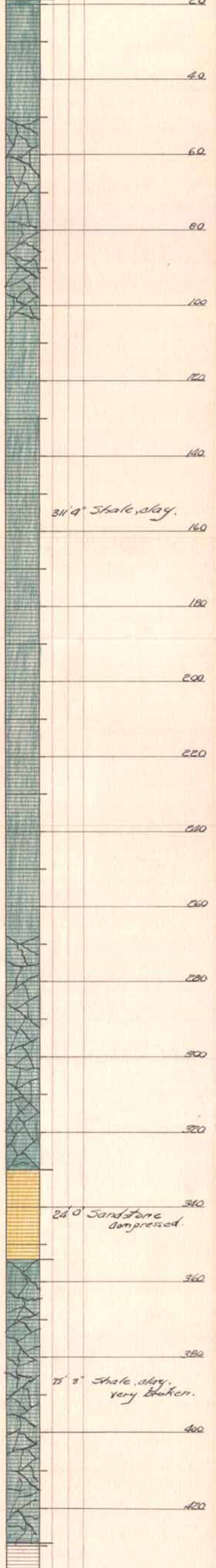
STATE		COMPANY
COUNTY	FARM	WELL NO. <b>C-28</b>
BLOCK	SURVEY <b>(Prospect Hole No 28)</b>	
SEC.	<b>Extension Field.</b>	
T.	R.	TOTAL DEPTH <b>421'</b>
CONTRACTOR		
COMMENCED		<b>May 2, 1917</b>
COMPLETED		<b>May 14, 1917</b>
REMARKS		<b>(L2)</b>
ALTITUDE	<b>937'</b>	
PRODUCTION		

CASING RECORD

10"		
8"		
6"		
4"		
3"		
2"		
1 1/2"		
1"		
SHOT	QUARTS	BETWEEN

**00720**

FORM 394 - In stock and for sale by Mid-West Prtg. Co., Tulsa





From Fontana's Shaft

Sec. R - Douglas Distr.

C-29

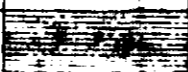
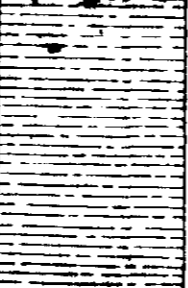
CANADIAN COLLIERIES (D) LTD.

PROSPECT HOLE N° 29

EXTENSION DISTRICT

00720

SCALE 1" = 20'

MATERIAL	SECTION	THICKNESS	DEPTH BELOW SURFACE	ELEVATION	DATE
Fire Clay Shale		11'-0"		2901.7	
			11'-0"	2890.7	
					June 13-1917
Clay Shale		54'-0"			
			66'-0"	2836.7	- 14 - - 15 -

(L)

(15)



Nanaimo B.H. 29  
 CANADIAN OIL SERVICES  
 (Dunsmuir) LTD.

STATE		COMPANY
COUNTY	FARM	WELL NO. <b>C-29</b>
BLOCK <b>Sec R</b>	SURVEY <b>(Prospect Ade # 29 Extension District)</b>	
SEC. <b>Douglas D.</b>	TOTAL DEPTH <b>65'</b>	
T.	R.	CONTRACTOR
		COMMENCED <b>June 13, 1917</b>
		COMPLETED <b>June 15<sup>th</sup>, 1917</b>
ALTITUDE <b>901.7</b>		REMARKS <b>(L2)</b>
PRODUCTION		

CASING RECORD

	10"
	14"
20"	18"
15 1/2"	22"
12 1/4"	26"
SHOT	QUARTS BETWEEN

00720

FORM 394 - In stock and for sale by Mid-West Prtg. Co., Tulsa





Sec. R Wellington Distr.  
C-30

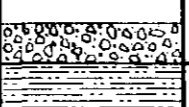



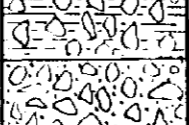
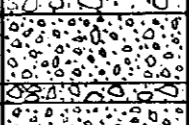
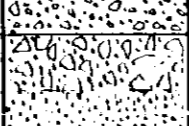


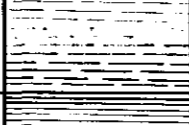


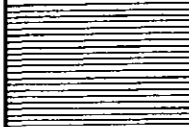
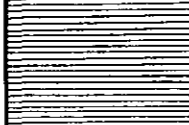
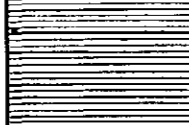
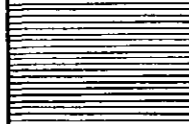
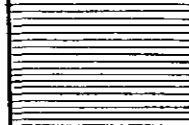
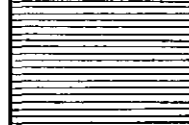
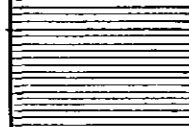

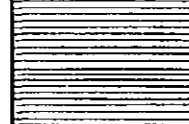
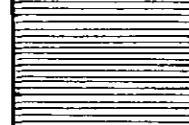
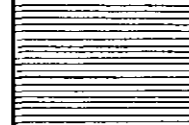
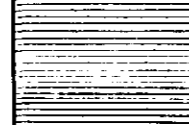
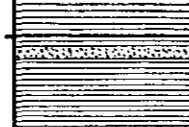

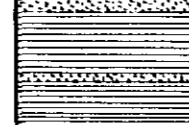
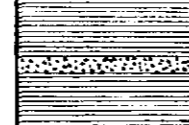

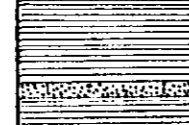

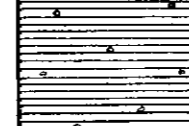
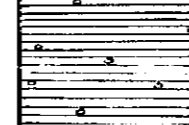
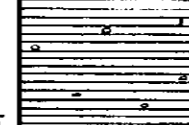
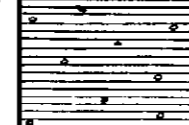

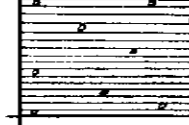







00720 (16)

CANADIAN COLLIERIES (D) LTD.

PROSPECT HOLE N<sup>o</sup> 30.

WELLINGTON DISTRICT.

SCALE 1"=20'

MATERIAL	SECTION	THICKNESS	DEPTH BELOW SURFACE	ELEVATION	DATE.
Gravel & Boulders		4'-0"	4'-0"		June 19 1917
					" 20 "
Hardpan.		30'-0"			" 21 "
			34'-0"		" 22 "
Boulders		9'-0"	43'-0"		" 23 "
Clay & Boulders		10'-0"	53'-0"		" 24 "
Boulders		8'-0"	61'-0"		" 25 "
Coarse Gravel Wash.		8'-2"	69'-2"		" 26 "
Boulders.		2'-2"	71'-4"		" 27 "
Coarse Gravel Wash		5'-8"	77'-0"		July 1 "
Boulders		4'-9"	81'-9"		" 3 "
					" 4 "
Fine Sand		13'-6"	95'-3"		" 7 "
					" 8 "
Sandy Shale.		24'-3"	120'-0"		" 9 "
					" 10 "
					" 11 "
Clay Shale					" 12 "
					" 13 "
					" 14 "
					" 15 "
					" 16 "
					" 17 "
					" 18 "
					" 19 "
					" 20 "
					" 21 "
					" 22 "
					" 23 "
					" 24 "
					" 25 "
					" 26 "
					" 27 "
					" 28 "
					" 29 "
					" 30 "
					" 31 "
					" 32 "
					" 33 "
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00720

(17)

(V)

See II, R 7, Cranberry District.

C-31

**CANADIAN COLLIERIES (D) LTD.**

PROSPECT HOLE NO 31.

South Wellington District.

SCALE 1"=20'

MATERIAL	SECTION	THICKNESS	DEPTH BELOW SURFACE	ELEVATION	DATE
Top soil		5'-6"	5'-6"	2169.34	July 28 1917
Sandstone - Hard.					" 29 "
					" 30 "
					" 31 "
Sandy Shale		57'-6"	63'-0"	2106.34	Aug 1 1917
					" 2 "
		33'-0"	96'-0"		" 3 "
Sandstone - Hard					" 4 "
		24'-0"	120'-0"		
Shale					" 8 "
Conglomerate		31'-0"	151'-0"		" 9 "
		5'-0"	156'-0"		
Sandstone Crystallized					
Shale		9'-0"	165'-0"		
Conglomerate		2'-0"	166'-0"		
Coal - Boney - with rash		2'-6"	168'-6"		
" Top		2'-7"	171'-0"		" 10 "
Rash-with bands of coal		7'-8"	173'-7"		
Coal - Clear					
		18'-6"	181'-3"		
Shale				1969.59	" 11 "
		23'-6"	199'-9"		
				1946.09	" 12 "



**Nansaimo B.H. 31**  
**CANADIAN COLLIERIES (DUNSMUIR) LTD**

STATE \_\_\_\_\_ COMPANY \_\_\_\_\_

COUNTY **Sec 11** FARM \_\_\_\_\_ WELL NO. \_\_\_\_\_

BLOCK **R. 7** SURVEY **(Prospect No 31)**

SEC. **Ranberry** **(South Wellington Dist)**

T. \_\_\_\_\_ R. **10** TOTAL DEPTH **223' 3"**

CONTRACTOR \_\_\_\_\_

COMMENCED **July 28, 1917**

COMPLETED **Aug 12, 1917**

REMARKS **(L2)**

ALTITUDE **169.34**

PRODUCTION \_\_\_\_\_

**CASING RECORD**

10'	10'	
20'	6 1/2'	<b>00720</b>
15 1/2'	5 1/2'	
12 1/2'		
SHOT	QUARTS	BETWEEN

FORM 394 - In stock and for sale by Mid-West Prtg. Co., Tulsa





00720

(L3)

Sec. 12, R. 7, S. 20, T. 10

CANADIAN COLWERIES (DUNSMUIR) LTD.

PROSPECT HOLE N<sup>o</sup> 32. C-32

EXTENSION DISTRICT

Scale 1" = 20'

MATERIAL	SECTION	THICKNESS	DEPTH BELOW SURFACE	ELEVATION	DATE
Clay		3'-0"	3'-0"	2156.60	
Hardpan		6'-6"	9'-6"	2153.60	Aug. 14 1917
				2147.10	" 16 "
Sandstone					
		48'-0"	57'-6"	2099.10	" 18-20 "
Sandstone with Coal Laminæ		6'-6"	64'-0"	2092.60	" 20 "
Sandstone Hard		7'-6"	71'-6"	2085.10	" 25 "
" Crystallized		10'-3"	81'-9"	2074.85	" 27 "
Sandstone					
		82'-9"	164'-6"	1992.10	" 30 "
Shale		2'-0"	166'-6"	1990.10	
Sandstone Shale					
		31'-0"	197'-6"	1959.10	" 31 "
Sandstone					
		20'-0"	217'-6"	1939.10	Sept. 4 "
Shale Sandy					
		10'-0"	227'-6"	1929.10	" 5 "
Shale					
		41'-0"	268'-6"	1888.10	" 6 "
Conglomerate		7'-6"	276'-0"	1880.60	
Shale		3'-0"	279'-0"		
Conglomerate		1'-3"	280'-3"		
Coal		2'-3"	282'-3"		
Conglomerate		7'-3"	289'-6"		
Rash with Coal marking		3'-6"	293'-0"	1869.10	
Coal					
		17'-7"	310'-7"	1851.52	" 8 "
Shale Broken		2'-0"	312'-7"		
"		1'-6"	314'-3"	1848.02	" 9 "



# Nanaimo B.H. 32

STATE	CANADIAN COLLIERIES		
COUNTY	COMPANY	(Ainsworth) Ltd.	
BLOCK	FARM	C-32	
SEC. 12 R. 7	SURVEY (prospect hole # 32)		
SEC. Nanaimo D.	Extension District		
T. R.	TOTAL DEPTH		308' 7"
CONTRACTOR			
COMMENCED Aug 14, 1917			
COMPLETED Sept. 09, 1917			
REMARKS			
ALTITUDE	156.6'		
PRODUCTION	(14)		

## CASING RECORD

10'		
8 1/4"		
6 1/4"		
5"		
20'		
15 1/4"		
12 1/4"		
SHOT	QUARTS	BETWEEN

00720

FORM 384 - In stock and for sale by Mid-West Prtg. Co., Tulsa









**Warramoo B.H. 33**  
**CANADIAN CALIFORIES**  
 (Dunsmuir) Ltd.

STATE \_\_\_\_\_ COMPANY \_\_\_\_\_

COUNTY **Sec. 12** FARM \_\_\_\_\_ WELL NO. **C-33**

BLOCK **R 7** SURVEY **(Prospect Block 33, Wellington Field)**

SEC. **anberry D**

T. \_\_\_\_\_ TOTAL DEPTH **408'**

CONTRACTOR \_\_\_\_\_

COMMENCED **Sept. 17, 1917**

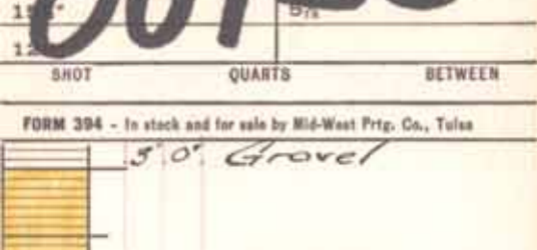
COMPLETED **Oct 16, 1917**

REMARKS **(Lb)**

ALTITUDE **1760.7**

PRODUCTION \_\_\_\_\_

**CASING RECORD**



FORM 394 - In stock and for sale by Mid-West Prtg. Co., Tulsa





# 00720

Sec. 11. Range 7. Cranberry District.

**CANADIAN COLLIERIES (DUNSMUIR) LTD.**

C-34

(L7)

**PROSPECT HOLE N° 34**

SOUTH WELLINGTON DISTRICT

Scale 1" = 20'

Material	Section	Thick.	Depth		Elev.	Date
			Below Surface			
					2151.9	
Clay & Boulders		8' 0"	8' 0"		2143.9	Oct. 19
Sandstone Hard						" 26
		31' 0"	39' 0"		2092.9	
Conglomerate		5' 0"	64' 0"		2087.9	" 27
Sandstone Hard		14' 0"	78' 0"		2073.9	" 29
						" 30
Conglomerate Crystallized						" 31
		38' 0"	116' 0"		2035.9	Nov. 1
Sandstone Hard		16' 0"	132' 0"		2019.9	" 2
Conglomerate		3' 0"	135' 0"		2016.9	
Sandstone Broken		7' 0"	142' 0"		2009.9	" 3
Conglomerate Sandy		20' 0"	162' 0"		1989.9	" 5
Conglomerate Shaley		20' 0"	182' 0"		1969.9	" 6
Sandstone Hard						" 7
		24' 0"	206' 0"		1945.9	" 10
Conglomerate		3' 0"	209' 0"		1942.9	" 12
Sandstone		19' 0"	228' 0"		1923.9	" 13
Shale Sandstone Bands		14' 0"	242' 0"		1909.9	" 14
Shale		17' 0"	259' 0"		1892.9	" 15
Sandstone		5' 0"	264' 0"		1887.9	" 16
Sandstone-Shale bands		10' 0"	274' 0"		1877.9	" 17
Shale		16' 0"	290' 0"		1861.9	" 18
Sandstone		6' 0"	296' 0"		1855.9	" 19
Shale		18' 0"	314' 0"		1837.9	" 20
Conglomerate		1' 0"	315' 0"		1836.9	
Coal		4' 0"	319' 0"		1832.9	
Shale		2' 0"	321' 0"		1830.9	" 21
Shale Clay		8' 0"	329' 0"		1822.9	" 22
Coal		8' 0"	337' 0"		1814.9	" 23
Shale		8' 0"	345' 0"			" 24
Shale		20' 0"	365' 0"		1786.9	" 26



*Minnesota BH 34*

STATE	<i>CANADIAN COLLIERS</i>	
COUNTY	<i>(Dunsmuir) Ltd.</i>	
BLOCK	FARM	WELL NO.
<i>Sec 11</i>		<i>C-34</i>
BLOCK	SURVEY	
<i>N. 7.</i>	<i>(Horropt Hole No. 34)</i>	
SEC.	DISTRICT	
<i>Cranberry D.</i>	<i>South Wellington District</i>	
T.	R.	TOTAL DEPTH
		<i>365'</i>
CONTRACTOR		
COMMENCED <i>Oct 19, 1917</i>		
COMPLETED <i>Nov 26, 1917</i>		
REMARKS		
<i>(L.S.)</i>		
ALTITUDE		
<i>151.9</i>		
PRODUCTION		

CASING RECORD

10'  
8 1/4"  
20'  
15 1/4"  
12 1/4"  
SHOT QUARTS BETWEEN

**00720**

FORM 394 - In stock and for sale by Mid-West Ptg. Co., Tulsa





00720

(19)

CANADIAN COLLIERIES DUNSMUIR LTD

C-35

PROSPECT HOLE No 35.

WELLINGTON FIELD.

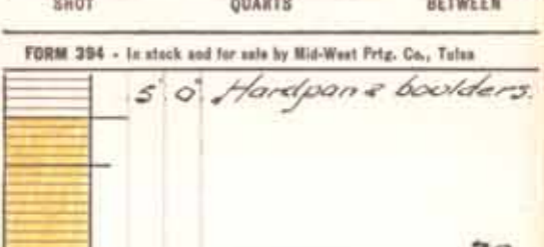
SCALE 1"=20'

Material	Section	Thick.	Depth		Date
			Below Surface	Elev.	
Clay		5-0	5-0	2150.4	Dec. 12 1917.
Sandstone-Hard		15-0	10-0	2140.4	
Sandstone		22-0	32-0	2110.4	" 15 "
Sandstone-Hard		7-0	39-0	2111.4	" 18 "
Sandstone-with pebbles		12-0	51-0	2099.4	" 19 "
Sandstone-Hard		11-0	62-0	2088.4	" 20 "
Conglomerate-Sandy		13-0	75-0	2075.4	" 21 "
Conglomerate					" 24 "
Conglomerate-Sandy		34-0	101-0	2049.4	Jan. 4 1918
Sandstone		38-0	147-0	2003.4	" 8 "
Shale - Sandy		6-0	182-0	1968.4	" 10 "
Shale		6-0	188-0	1962.4	
Shale		6-0	196-0	1954.4	" 11 "
Sandstone-shale bands		15-0	211-0	1839.4	" 12 "
Sandstone		22-0	233-0	1917.4	" 14 "
Sandstone-Hard		16-0	249-0	1901.4	" 15 "
Shale-Sandstone bands		14-0	263-0	1887.4	" 16 "
Shale					
Conglomerate-Sandy		45-0	308-0	1842.4	" 20 "
Shale		4-0	312-0	1838.4	" 21 "
Shale					
Shale		59-0	371-0	1779.4	" 30 "
Shale - Clay		9-0	380-0	1770.4	Feb. 1 "
Shale		10-0	390-0	1760.4	" 12 "
Shale - Clay		5-0	395-0	1755.4	" 13 "
Shale-Congl. bands		6-0	401-0	1749.4	" 14 "
Shale - Sandy		15-0	416-0	1735.4	" 16 "
Shale					



STATE **KANSAS** COUNTY **R7** COMPANY **CANADIAN COLLIERIES (Dunsmuir) Ltd.** FARM **C-35** WELL NO. **C-35**  
 BLOCK **SEC 11** (Prospect No. 35) SURVEY **(Wilmington Field)**  
 SEC. **ranberry** TOTAL DEPTH **535'**  
 T. H. CONTRACTOR \_\_\_\_\_ COMMENCED **Dec. 12, 1917** COMPLETED **Mar 7, 1918**  
 ALTITUDE **150.4** REMARKS **(L10)**  
 PRODUCTION \_\_\_\_\_

CASING RECORD



FORM 394 - In stock and for sale by Mid-West Prtg. Co., Tulsa





CANADIAN COLLIERIES (DUNSMUIR) LTD.

C-36

PROSPECT HOLE NO 36.

WELLINGTON FIELD.

SCALE 1"=20'

00720

(L11)

Material	Section	Thick.	Depth		Date
			Below Surface	Elev.	
				2100.00	1910 Mar. 22
Hardpan		16'-0"	16'-0"	2084.0	" 25
Sandstone		34'-0"	50'-0"	2050.0	" 29
Sandy Shale		20'-0"	70'-0"	2030.0	Apr. 2
Sandstone		8'-0"	78'-0"	2022.0	" 3
Conglomerate		4'-0"	82'-0"	2018.0	
Compressed Sandstone		15'-0"	97'-0"	2003.0	" 4
Crystallized Conqlo.		15'-0"	112'-0"	1988.0	" 6
Sandstone					
Conglomerate		34'-0"	146'-0"	1954.0	
		5'-0"	151'-0"	1949.0	" 8
Sandstone					
Conglomerate		27'-0"	178'-0"	1922.0	" 11
		4'-0"	182'-0"	1918.0	
Sandstone					
		57'-0"	239'-0"	1861.0	" 21
Conglomerate					
		49'-0"	288'-0"	1812.0	" 27
Shale					
Sandstone		35'-0"	323'-0"	1777.0	" 30
		7'-0"	330'-0"	1770.0	
Shale					
Coal		89'-0"	419'-0"	1681.0	May 7
		11'-0"	430'-0"	1670.0	" 8
Clay Shale					
		23'-0"	453'-0"	1647.0	
Shale					
		50'-0"	503'-0"	1597.0	" 10
Clay Shale					
		32'-0"	535'-0"	1565.0	" 15
Shale					
		10'-0"	545'-0"	1555.0	" 16
Shale Sandy					
Shale with bands sandstone		6'-0"	551'-0"	1549.0	" 20
		12'-0"	563'-0"	1527.0	" 21
Clay Shale					
		60'-0"	623'-0"	1467.0	June 2
Shale with bands sandstone.					
Clay Shale		11'-0"	634'-0"	1456.0	" 3
		6'-0"	640'-0"	1450.0	" 4



Norwaino BH 36

STATE CANADIAN COLLIERIES (DUNSMUIR) LTD.

COUNTY Sec 8 FARM C-36 WELL NO.  
 BLOCK A-7 SURVEY (Prospect Hole No. 34)  
 SEC. Cranberry Wellington Field.  
 T. (R) TOTAL DEPTH 640'

CONTRACTOR  
 COMMENCED Mar 22, 1918  
 COMPLETED June 4, 1918  
 REMARKS (L12)

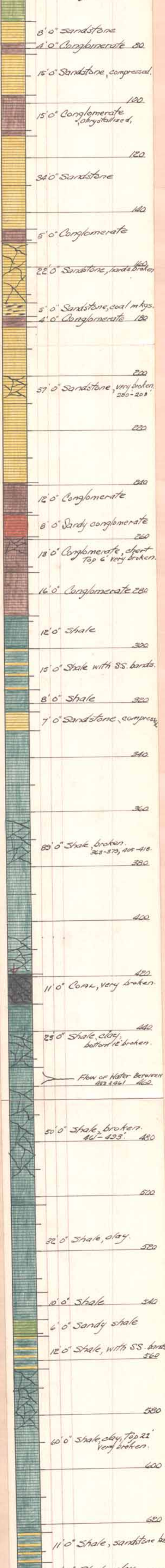
ALTIMITUDE 100.05  
 PRODUCTION

CASING RECORD

10"  
 8"  
 20"  
 15 1/2"  
 12 1/2"  
 SHOT QUARTS BETWEEN

00720

FORM 204 - In stock and for sale by Mid-West Prtg. Co., Tulsa





CANADIAN COLLIERIES (DUNSMUIR) LTD. C-37

PROSPECT HOLE No 37.

WELLINGTON FIELD.

SCALE 1"=20'

00720

(L13)

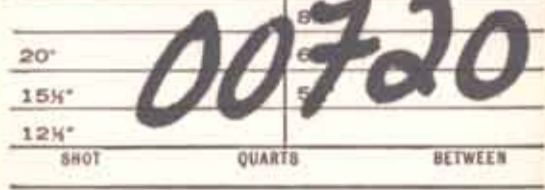
<u>Material</u>	<u>Section</u>	<u>Thick.</u>	<u>Depth</u> <u>Below</u> <u>Surface</u>	<u>Elev.</u>	<u>Date</u>
				2167.3	1918
Hardpan		6'-0"	6'-0"	2158.3	June 12.
Sandstone Compressed					
		46'-0"	52'-0"	2112.3	" 16
Sandstone		15'-0"	67'-0"	2097.3	" 17
Sandy shale					
		28'-0"	95'-0"	2069.3	
Sandstone		8'-0"	103'-0"	2061.3	" 19
Shale & Sandstone					
		38'-0"	141'-0"	2023.3	" 21
Shale with Coal markings		10'-0"	151'-0"	2013.3	
Conglomerate		5'-0"			
Shale		2'-0"	157'-0"	2007.8	" 22
Conglomerate		2'-0"			
Shale with Coal markings		10'-0"	167'-0"	1997.3	" 23
Shale		10'-0"	177'-0"	1987.3	
Sandy Shale		5'-0"	182'-0"	1982.3	
Coal		5'-0"	187'-0"	1977.3	" 24
Shale					
		65'-0"	252'-0"	1912.3	" 29



*Monmouth B.H. 37.*

STATE	CANADIAN COLLIERIES (Dunsmuir) Ltd.	
COUNTY	FARM	WELL NO.
<i>R. 7</i>		<b>C-37</b>
BLOCK	SURVEY	
<i>Sec 10</i>	<i>(Prospect Hole No. 37)</i>	
SEC.	<i>Wellington Field</i>	
<i>Cranberry D.</i>		
T.	W.	TOTAL DEPTH
		<i>252'</i>
CONTRACTOR		
COMMENCED <i>June 12, 1918</i>		
COMPLETED <i>June 29, 1918</i>		
REMARKS		
<b>(LH)</b>		
ALTITUDE		
<i>1164.3</i>		
PRODUCTION		

CASING RECORD



FORM 394 - In stock and for sale by Mid-West Prtg. Co., Tulsa





CANADIAN COLLIERIES (DUNSMUIR) LTD.

C-38

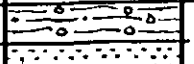
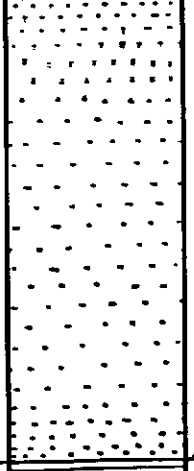
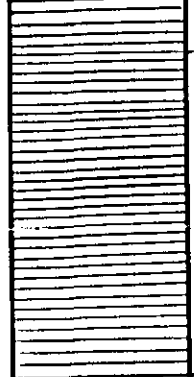
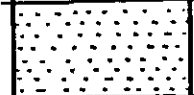
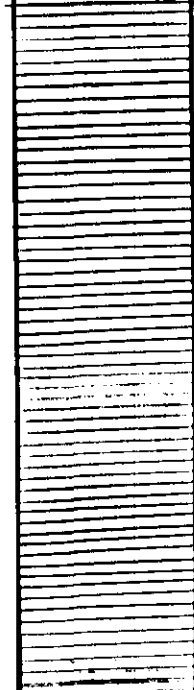

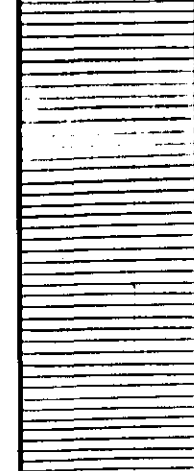
PROSPECT HOLE NO 38.

WELLINGTON FIELD.

SCALE 1"=20'

00720

(LIS)

<u>Material</u>	<u>Section</u>	<u>Thick.</u>	<u>Depth</u> <u>Below</u> <u>Surface</u>	<u>Elev.</u>	<u>Date.</u>
				2172.4	1918
Clay		4'-0"	4'-0"	2168.4	July 12
Sandstone (Hard)					
		49'-0"	53'-0"	2119.4	" 15
Shale					
		40'-0"	93'-0"	2079.4	" 17
Sandstone (Shale Bands)		10'-0"	103'-0"	2069.4	" 18
Shale					
Coal		74'-0"	177'-0"	1995.4	" 22
		1'-0"	178'-0"	1994.4	" 22
Shale					
		52'-0"	230'-0"	1942.4	" 25



*Maraimo BH 38*  
~~CANADIAN COLLIERIES~~  
 (Dunsmuir) Ltd.

STATE \_\_\_\_\_ COMPANY \_\_\_\_\_

COUNTY *R7* FARM \_\_\_\_\_ WELL NO. *C-38*

BLOCK *Sec 10* SURVEY *(Prospect Hole No 38)*

SEC. *ranberry D - Wellington Field*

T. \_\_\_\_\_ R. \_\_\_\_\_ TOTAL DEPTH *230'0"*

CONTRACTOR \_\_\_\_\_

COMMENCED *July 12, 1918*

COMPLETED *July 25, 1918*

REMARKS *(116)*

ALTITUDE *172.4*

PRODUCTION \_\_\_\_\_

CASING RECORD

*00720*

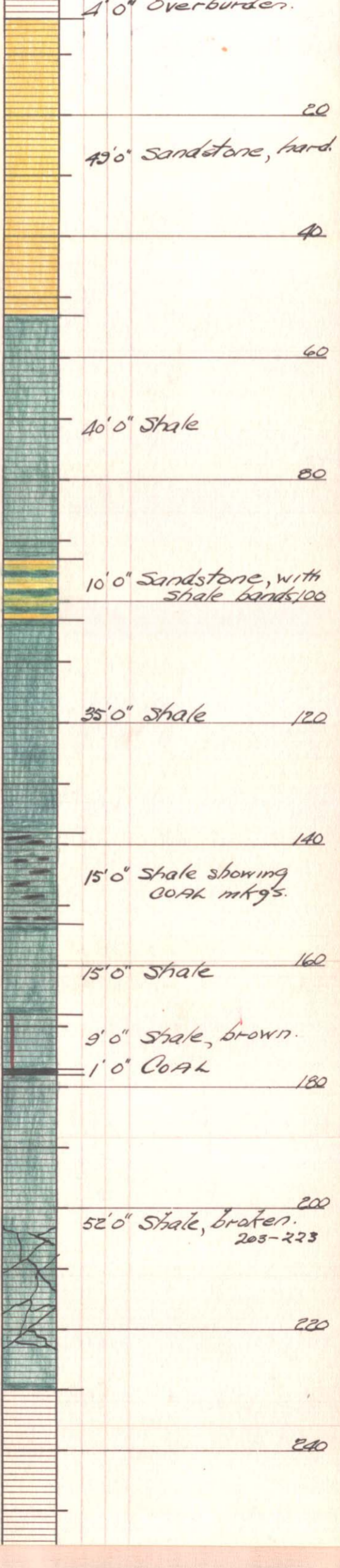
20" \_\_\_\_\_

15 1/2" \_\_\_\_\_

12 1/2" \_\_\_\_\_

SHOT \_\_\_\_\_ QUARTS \_\_\_\_\_ BETWEEN \_\_\_\_\_

FORM 394 - In stock and for sale by Mid-West Prtg. Co., Tulsa









**Naraino BH. 39**

STATE	CANADIAN OILFIELD (DUNSMUIR) LTD.		
COUNTY	R-7	FARM	WELL NO. C-39
BLOCK	Sec. 10.	SURVEY (Prospect Hole No. 39)	
SEC.	Cranberry D	Wellington Field	
T.	W.	TOTAL DEPTH 400'6"	
ALTITUDE 108.3'		REMARKS (L18)	
PRODUCTION			

**CASING RECORD**

10'	00720	10'
8 1/2'		8 1/2'
6'		6'
20'		15 1/2'
15 1/2'		
12 1/2'		
SHOT	QUARTS	BETWEEN

FORM 394 - In stock and for sale by Mid-West Prtg. Co., Tulsa





00720

CANADIAN COLLIERIES (DUNSMUIR) LTD.  
 PROSPECT HOLE NO 40.  
 WELLINGTON FIELD.

C-40

SCALE 1"=20'

Material	Section	Thick.	Depth below Surface	Elev.	Date
				2101.2	1918
Earth		10' 0"	10' 0"	2091.2	Sept. 1
Hardpan		10' 0"	10' 0"	2081.2	
Boulders & Hardpan					
Shale		16' 0"	36' 0"	2065.2	" 2
Sandy Shale					
Shale (Fractured)		14' 0"	52' 0"	2049.2	Oct. 7
Coal (Shaley)		8' 6"	60' 6"	2040.7	
Coal		0' 7"	62' 4"	2038.9	
Shale					
Sandstone (Coarse)		90' 8"	153' 0"	1948.2	" 13
		2' 0"	155' 0"	1946.2	
Shale					
Conglomerate		37' 0"	192' 0"	1909.2	
Shale		12' 0"	204' 0"	1897.2	" 16
Conglomerate		13' 0"	217' 0"	1884.2	
Shale		22' 0"	239' 0"	1862.2	" 18
Shale					
Clay Shale		35' 0"	274' 0"	1827.2	
Sandy Shale		11' 0"	285' 0"	1816.2	" 22
Conglomerate		29' 0"	314' 0"	1787.2	
Sandy Shale		10' 3"	324' 0"	1777.2	
Conglomerate			327' 0"	1774.2	
Sandy Shale		26' 0"	353' 0"	1748.2	
		5' 0"	358' 0"	1743.2	" 27



*Naraino B.H. 40*  
 STATE *CANADIAN COLLIERS*  
 COMPANY *(DUNSMUIR) LTD.*

COUNTY *R. 6* FARM *C-40* WELL NO. *C-40*

BLOCK *SEC. 10* SURVEY *(Prospectable No. 40)*

SEC. *Canbery D. (Wilmington field)*

T. *N.* TOTAL DEPTH *358' 0"*

CONTRACTOR

COMMENCED *Sept 1, 1918*

COMPLETED *Oct 27, 1918*

REMARKS *(L20)*

ALTITUDE *101.2'*

PRODUCTION

CASING RECORD

10"	00720	10"
20"		
15 1/2"		
12 1/2"		
SHOT	QUARTS	BETWEEN

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