

00720 (8)

Canadian Collieries (Dunsmuir) Ltd.

Sec 10, R. 7, Cranberry Dist.  
C-20

PROSPECT HOLE No 20

EXTENSIVE DISTRICT

Scale: 1" = 20'

MATERIAL	SECTION	THICKNESS	DEPTH BELOW SURFACE	ELEVATION	DATE
				2076.0	
Sand & Clay		5' 0"	5' 0"	2071.0	Oct 17 <sup>th</sup> 1912
					18 <sup>th</sup>
Clay & Boulders		30' 0"			
			35' 0"	2041.0	19 <sup>th</sup>
Boulders		5' 0"	40' 0"	2036.0	20 <sup>th</sup>
					22 <sup>nd</sup>
Sandstone		42' 0"			23 <sup>rd</sup>
					24 <sup>th</sup>
Shale		1' 0"	82' 0"	1994.0	
Sandstone		2' 6"	83' 0"	1993.0	
Shale		1' 6"	85' 0"	1990.5	
			87' 0"	1989.0	
					26 <sup>th</sup>
					28 <sup>th</sup>
Sandstone		223' 0"			29 <sup>th</sup>
					30 <sup>th</sup>
					31 <sup>st</sup>
					1 <sup>st</sup>
					2 <sup>nd</sup>
			310' 0"	1760.0	
					4 <sup>th</sup>
Sandy Shale		61' 6"			5 <sup>th</sup>
					6 <sup>th</sup>
			371' 6"	1707.5	
Shale		264' 0"			
					7 <sup>th</sup>
Sandy Shale		10' 6"			
Sandstone		3' 0"	408' 0"	1660.0	
Conglomerate		3' 0"	411' 0"	1645.0	
Sandstone		3' 0"	414' 0"	1642.0	8 <sup>th</sup>
Conglomerate		1' 0"	417' 0"	1659.0	
Shale		7' 0"	418' 0"	1658.0	
COAL		5' 6"	423' 6"	1652.5	9 <sup>th</sup>
COAL & Wash		8' 0"	424' 0"	1652.0	11 <sup>th</sup>
			432' 0"	1647.0	12 <sup>th</sup>
Shale		19' 6"			
			451' 6"	1624.5	
Sandstone		8' 0"			
			459' 6"	1616.6	13 <sup>th</sup>
					14 <sup>th</sup>
Shale		47' 6"			15 <sup>th</sup>
					16 <sup>th</sup>
Sandstone		4' 0"	507' 0"	1569.0	
			511' 0"	1515.0	16 <sup>th</sup>
					18 <sup>th</sup>
					19 <sup>th</sup>
Shale		112' 6"			20 <sup>th</sup>
					21 <sup>st</sup>
			623' 6"	1452.5	22 <sup>nd</sup>

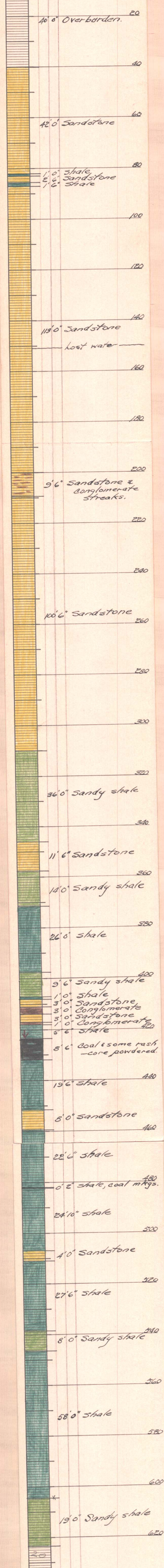


Nipomo R.H. 20  
 CANADIAN COLLIERIES  
 (Dunsmuir)

STATE	COMPANY
COUNTY	FARM
Sec. 10	(C-20)
BLOCK	SURVEY
R. 7	(Prospect Hole No 20)
SEC.	Extension District
T.	R.
	623'6" TOTAL DEPTH
CONTRACTOR	
COMMENCED Oct. 17, 1912	
COMPLETED Nov. 11, 1912	
REMARKS	
ALTITUDE	PRODUCTION
76.0'	

CASING RECORD  
 10"  
 8"  
 6"  
 5"  
**00720**

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





C-19

Sec. 7 R. 7 G. 10  
C-19

Canadian Collieries (Dunsmuir) Ltd.

PROSPECT HOLE No 19

Scale 1"=20'

00720  
(19)

MATERIAL	SECTION	THICKNESS	DEPTH BELOW SURFACE	ELEVATION	DATE
				2153.0	
Clay & Boulders		12' 0"			
Gravel		3' 0"	12' 0" 15' 0"	2041.0 2030.0	Aug 20 <sup>th</sup> 1905 Sept 1 <sup>st</sup> 1905
					4 <sup>th</sup>
					5 <sup>th</sup>
					6 <sup>th</sup>
					7 <sup>th</sup>
Sandstone		195' 6"			8 <sup>th</sup> 9 <sup>th</sup> 10 <sup>th</sup> 11 <sup>th</sup> 12 <sup>th</sup>
Conglomerate		11' 6"	210' 6"	1842.5	13 <sup>th</sup>
Sandstone		2' 6"	222' 0" 224' 6"	1831.0 1828.5	
Conglomerate		32' 1"			14 <sup>th</sup> 15 <sup>th</sup>
Sandstone		12' 6"	257' 0"	1790.0	17 <sup>th</sup>
Conglomerate		2' 0"	269' 6"	1783.5	
Sandstone		3' 6"	271' "	1781.5	
Conglomerate		4' 0"	275' 0" 279' 0"	1778.0 1774.0	
					18 <sup>th</sup>
Sandstone		26' 0"			
Conglomerate		3' 0"	305' 0"	1748.0	19 <sup>th</sup>
Sandstone		5' 6"	308' 0" 313' 6"	1745.0 1739.5	
					20 <sup>th</sup>
					21 <sup>th</sup>
Shale		68' 0"			22 <sup>nd</sup>
COAL (dirty)		9"	381' 6"	1671.0	24 <sup>th</sup>
Sandstone		5' 0"	382' 3"	1670.0	
Conglomerate		1' 0"	387' 3"	1665.0	
COAL & Shale		1' 0"	388' 3" 389' 3"	1664.0 1663.0	
					25 <sup>th</sup>
Shale		45' 3"			
COAL (dirty)		2' 3"	434' 6"	1618.5	26 <sup>th</sup>
COAL (clean)		2' 6"	436' 9"	1616.3	
COAL (dirty & Shale)		2' 6"	439' 3"	1613.8	
					27 <sup>th</sup>
Shale		26' 9"			
					28 <sup>th</sup>
Sandstone		5' 0"	468' 6"	1584.0	
					29 <sup>th</sup>
Shale		60' 8"			Oct 1 <sup>st</sup>
					2 <sup>nd</sup>
Conglomerate		3' 0"	534' 2" 537' 2"	1588.0 1585.0	
					3 <sup>rd</sup>
Shale		43' 4"			4 <sup>th</sup>
Sandstone		18' 6"	580' 6"	1472.5	
					5 <sup>th</sup>
Shale		11' 0"	599' 0"	1454.0	7 <sup>th</sup>
Sandstone		4' 6"	610' 0" 614' 6"	1443.0 1438.5	8 <sup>th</sup>



**Varalimo B.H. 19**

STATE **TEXAS** COMPANY **ATONIAN CATERERS (Dunsmuir) Ltd.**

COUNTY **Sec 7** FARM **(C-19)** WELL NO.

BLOCK **R. 7.** SURVEY **(Prospect Hole No. 19)**

SEC. **(Cranberry)** Extension District.

T. R. TOTAL DEPTH **614' 0"**

CONTRACTOR

COMMENCED **Aug 31, 1912**

COMPLETED **Oct 8, 1912**

REMARKS

ALTITUDE **53'**

PRODUCTION

**CASING RECORD**

**00720**

10" 6 1/8"

20" 6 1/8"

15 1/2" 5 1/8"

12 1/2" 5 1/8"

SHOT QUARTS BETWEEN





00720

(20)

Canadian Collieries (Dunsmuir) Ltd.

Sec. 4, R. 7, Cranberry Dist.

C-18

PROSPECT HOLE N° 18

EXTENSION DISTRICT

SCALE 1" = 20'

MATERIAL	SECTION	THICKNESS	DEPTH BELOW SURFACE	ELEVATION	DATE
Gravel		8' 0"	0' 0"	2066.0	
Boulders			3' 0"	2058.0	July 20 <sup>th</sup> 1912
					" 22 <sup>nd</sup> "
		31' 0"			" 23 <sup>rd</sup> "
					" 24 <sup>th</sup> "
			39' 0"	2027.0	" 25 <sup>th</sup> "
Sandstone					" 26 <sup>th</sup> "
					" 27 <sup>th</sup> "
		77' 0"			" 28 <sup>th</sup> "
					" 29 <sup>th</sup> "
					" 30 <sup>th</sup> "
Shale & Coal markings		1' 0"	116' 0" 117' 0"	1950.0 1949.0	
Sandstone		16' 0"			
Sandy Shale		4' 0"	133' 0" 137' 0"	1933.0 1929.0	
Sandstone		35' 0"			" 31 <sup>st</sup> "
					Aug <sup>11</sup> 1912
Conglomerate		2' 0"	172' 0" 174' 0"	1894.0 1892.0	
Sandstone		5' 0"	179' 0"	1887.0	
Conglomerate		7"	179' 7"	1886.4	
Sandstone		45' 5"			" 2 <sup>nd</sup> "
					" 3 <sup>rd</sup> "
Conglomerate		5' 0"	225' 0"	1841.0	
Sandstone		3' 6"	230' 0"	1836.0	
Conglomerate		2' 6"	233' 6" 236' 0"	1832.5 1830.0	" 4 <sup>th</sup> "
Sandstone		44' 6"			" 5 <sup>th</sup> "
			280' 6"	1785.5	" 6 <sup>th</sup> "
					" 7 <sup>th</sup> "
					" 8 <sup>th</sup> "
					" 9 <sup>th</sup> "
Sandstone		3' 6"	333' 3"	1732.8	" 10 <sup>th</sup> "
Conglomerate		2' 0"	336' 9" 338' 9"	1729.3 1727.3	" 11 <sup>th</sup> "
Sandstone		34' 9"			" 12 <sup>th</sup> "
					" 13 <sup>th</sup> "
Shale			379' 6"	1692.5	" 14 <sup>th</sup> "
					" 15 <sup>th</sup> "
					" 16 <sup>th</sup> "
					" 17 <sup>th</sup> "
					" 18 <sup>th</sup> "
COAL with some shales (some mostly sandstone)		7' 1"	502' 0" 509' 1"	1564.0 1562.0	" 19 <sup>th</sup> "
Shale		29' 5"			" 20 <sup>th</sup> "
			538' 6"	1527.5	" 21 <sup>st</sup> "



**Wangimo B.H. 18**  
**CAIROIAN COLLIERIES**  
**(DUNSMUIR) LTD.**

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

COUNTY **Sec 4** FARM **(C-18)** WELL NO. \_\_\_\_\_

BLOCK **R 7** SURVEY **(Prospect No 11-18)**

SEC. **(Anberd. Extension District)**

T. \_\_\_\_\_ TOTAL DEPTH **538'6"**

CONTRACTOR \_\_\_\_\_

COMMENCED **JULY 20, 1912**

COMPLETED **Aug 21, 1912**

REMARKS \_\_\_\_\_

ALTITUDE **66'**

PRODUCTION \_\_\_\_\_

**(L2)**

**CASING RECORD**

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

00720





00720 (21)

Block 87, Bright District

C-17

Canadian Collieries (Dunsmuir) Ltd.

PROSPECT HOLE N° 17

EXTENSION DISTRICT

Scale. 1" = 20'

(L1)

MATERIAL	SECTION	THICKNESS	DEPTH BELOW SURFACE	ELEVATION	DATE
Gravel		4' 1"	4' 1"		July 17 <sup>th</sup> 1912
Conglomerate		11' 3"	15' 4"		
Sandstone		10' 1"	25' 5"		" 18 <sup>th</sup>
Conglomerate		5' 1"	30' 6"		
					" 19 <sup>th</sup>
					" 20 <sup>th</sup>
Shale		137' 5"			" 22 <sup>nd</sup>
					" 23 <sup>rd</sup>
					" 24 <sup>th</sup>
					" 25 <sup>th</sup>
			167' 11"		" 26 <sup>th</sup>
					" 27 <sup>th</sup>
Conglomerate		66' 10"			" 29 <sup>th</sup>
					" 30 <sup>th</sup>
					" 31 <sup>st</sup>
			234' 9"		Aug <sup>st</sup> 1 <sup>st</sup>
Clay Shale		12' 3"	247' 0"		" 2 <sup>nd</sup>
					" 3 <sup>rd</sup>
					" 5 <sup>th</sup>
					" 6 <sup>th</sup>
					" 7 <sup>th</sup>
					" 8 <sup>th</sup>
					" 9 <sup>th</sup>
					" 10 <sup>th</sup>
Conglomerate		134' 7"			" 12 <sup>th</sup>
					" 13 <sup>th</sup>
					" 14 <sup>th</sup>
					" 15 <sup>th</sup>
					" 16 <sup>th</sup>
					" 17 <sup>th</sup>
					" 19 <sup>th</sup>
			381' 7"		" 20 <sup>th</sup>
					" 21 <sup>st</sup>
Clay Shale		109' 4"			" 22 <sup>nd</sup>
					" 23 <sup>rd</sup>
					" 24 <sup>th</sup>
			490' 11"		" 26 <sup>th</sup>



**OKANAGAN CANADIAN COLLIERIES (LIMITED) LTD.**

STATE: **BRITISH COLUMBIA** COMPANY: **OKANAGAN CANADIAN COLLIERIES (LIMITED) LTD.**

COUNTY: **Block 87** FARM: **C-17** WELL NO.:

BLOCK: **5 (right D.)** SURVEY: **(Prospect hole No. 17 Extension District)**

T. R. TOTAL DEPTH: **490' 11"**

CONTRACTOR:

COMMENCED: **July 17, 1912**

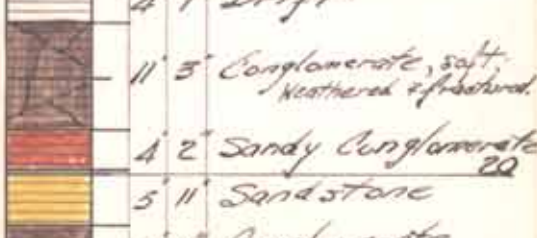
COMPLETED: **Aug 26, 1912**

REMARKS:

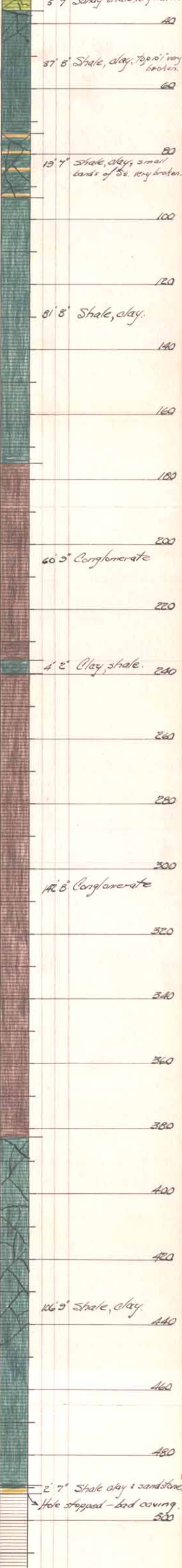
ALTITUDE: **2**

PRODUCTION: **(C)**

**CASING RECORD**



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





PROSPECT HOLE No 16

EXTENSION DISTRICT

Scale 1"=20'

MATERIAL	SECTION	THICKNESS	DEPTH BELOW SURFACE	ELEVATION	DATE
				2064.0	
Wash & Boulders		8' 0"	8' 0"	2056.0	Apr 8th 1912
Boulders		10' 0"	18' 0"	2046.0	May 1st "
Wash & Boulders		12' 0"	30' 0"	2034.0	" 2nd "
					" 3rd "
					" 4th "
					" 5th "
Gravel & Boulders		27' 0"			" 10th "
					" 11th "
Quicksand, Gravel & Wash		5' 0"	57' 0"	2007.0	" 13th "
			62' 0"	2002.0	" 14th "
Quicksand & Gravel		18' 0"			
Quicksand		2' 0"	80' 0"	1984.0	" 15th "
			82' 0"	1982.0	" 16th "
Quicksand & Cement Gravel		12' 0"			
			94' 0"	1970.0	" 20th "
Quicksand & Cement Boulders		15' 0"			
			109' 0"	1955.0	" 21st "
Quicksand, Blue Clay & Boulders		12' 0"			
			121' 0"	1943.0	" 22nd "
Gravel & Boulders		5' 0"	126' 0"	1938.0	" 23rd "
					" 26th "
					" 27th "
					" 28th "
					" 29th "
					" 30th "
Sandstone		184' 0"			" 31st "
					June 1st "
					" 32nd "
					" 33rd "
					" 34th "
Shale		3' 0"	310' 0"	1754.0	" 5th "
Sandstone		18' 7"	313' 0"	1751.0	" 6th "
Shale		3' 0"	326' 7"	1737.4	" 7th "
			329' 7"	1734.4	
Sandstone		43' 11"			" 8th "
					" 10th "
Conglomerate		4' 3"	373' 6"	1690.5	
			377' 9"	1686.3	" 11th "
Sandstone		18' 4"			
Conglomerate & Sandstone		8' 6"	396' 1"	1667.9	" 12th "
Sandstone		3' 6"	404' 7"	1659.3	
Conglomerate		21' 6"	414' 1"	1649.9	" 13th "
Sandstone		8' 0"	435' 7"	1628.4	" 14th "
Conglomerate		3' 2"	443' 7"	1620.4	
			452' 9"	1611.3	" 15th "
					" 17th "
Sandstone		55' 4"			" 18th "
					" 19th "
Conglomerate		15' 0"	508' 1"	1556.0	" 19th "
			523' 1"	1541.0	" 20th "
Sandstone		24' 0"			
			547' 1"	1517.0	" 21st "
Conglomerate		16' 0"	563' 1"	1501.0	" 22nd "
Sandstone		19' 0"			
Conglomerate		1' 0"	582' 1"	1482.0	" 24th "
			583' 1"	1481.0	
Sandstone		12' 6"			
Shale		2' 0"	595' 7"	1466.5	" 25th "
Sandstone		2' 0"	599' 7"	1464.5	
Shale		37' 6"			" 26th "
Sandstone		5' 6"	637' 1"	1427.0	
			642' 7"	1421.5	
Shale		14' 6"			" 27th "
Conglomerate		6"	657' 5"	1407.0	
			657' 7"	1406.5	
Shale		13' 0"			
			670' 7"	1393.5	
Sandstone		15' 6"			" 28th "
Shale		1' 3"	689' 4"	1378.0	
Sandstone		3' 0"	690' 4"	1376.7	
			690' 4"	1373.7	" 29th "
Shale		20' 11"			
COAL		3' 2"	711' 3"	1352.0	
Brown Shale with COAL		3' 8"	715' 3"	1352.4	" 30th "
Yellow Clay		1' 0"	716' 1"	1349.0	
Brown Shale with COAL		8' 3"	724' 4"	1339.7	
Shale		6' 0"	730' 4"	1333.7	July 1st "
Sandstone		12' 6"			
			742' 10"	1321.2	" 2nd "
Shale		9' 0"			" 3rd "
			751' 10"	1312.2	
Sandstone		23' 3"			" 4th "
			775' 1"	1289.0	" 5th "
					" 6th "
					" 7th "
					" 8th "
Sandstone		1' 0"	833' 1"	1225.0	" 9th "
			840' 1"	1224.0	
Shale		36' 6"			" 10th "
			876' 7"	1187.4	" 11th "



Naraino B.H. 16  
 CHAMPION COLLECTORS  
 (Dunsmuir) Ltd.

STATE	COMPANY	WELL NO.
COUNTY	FARM	
BLOCK	SURVEY	
SEC.		
T.		
TOTAL DEPTH		876'7"
CONTRACTOR		
COMMENCED		
COMPLETED		
REMARKS		
ALTITUDE		
PRODUCTION		

SEC 5 FARM C-16  
 BLOCK R7 (Prospect Hole No. 16  
 Cranberry) Extension District

COMMENCED Apr 8, 1912  
 COMPLETED July 11, 1912

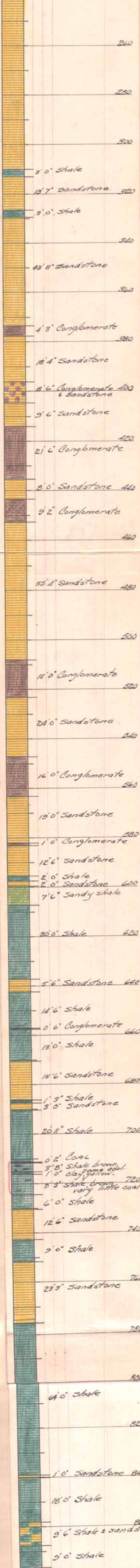
ALTITUDE 104'

CASING RECORD

10"  
 8"  
 5 1/2"  
 5"

00720

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





00720

Mountain District, S

CANADIAN COLLIERIES (DUNSMUIR) LTD. C-15A

PROSPECT HOLE N° 15A.

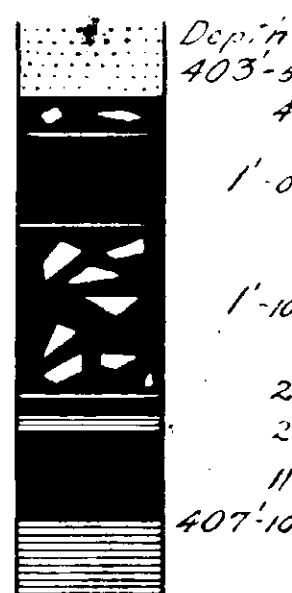
EXTENSION DISTRICT

SCALE 1"=20'

(23)  
①

Material	Section	Thick.	Depth below Surface	Elev.	Date.
				2927	
Conglomerate		143'-3"			
Shale		3'-5"	143'-3"	2783'-9"	
Sandstone		3'-0"	146'-8"	2780'-4"	
			149'-8"	2777'-4"	
Shale		15'-10"			
Sandstone		2'-5"	165'-6"	2761'-6"	
			167'-11"	2759'-1"	
Shale		78'-5"			
Sandstone		1'-7"	246'-4"	2680'-8"	
			247'-11"	2679'-1"	
Sand Shale		10'-2"			
			266'-1"	2660'-11"	
Conglomerate		36'-9"			
			302'-10"	2624'-2"	
Shale		21'-3"			
Coal & Shale		8"	324'-1"	2602'-4"	
Coal		1'-0"	324'-9"	2602'-3"	
Coal & Shale		3"	325'-9"	2601'-3"	
Coal		3"	326'-0"	2601'-0"	
			326'-3"	2600'-0"	
Shale		12'-5"			
Coal & Shale		9"	338'-0"	2588'-4"	
Shale		8'-7"	339'-5"	2587'-7"	
Coal		1'-6"	340'-0"	2579'-0"	
			349'-6"	2577'-6"	
Shale		20'-8"			
Coal		2'-7"	370'-2"	2556'-10"	
Shale		2'-2"	372'-9"	2554'-3"	
Coal		3"	374'-11"	2552'-1"	
Coal & Shale		4"	375'-2"	2551'-10"	
Shale		5'-11"	375'-6"	2551'-6"	
Coal		11"	380'-7"	2546'-5"	
Shale		6'-4"	381'-6"	2545'-6"	
Coal		3"	387'-10"	2539'-2"	
Shale		9"	388'-1"	2538'-11"	
Coal		4"	388'-10"	2538'-2"	
Shale		9'-1"	389'-2"	2537'-10"	
Sandstone		4'-8"	398'-9"	2528'-3"	
Coal & Shale		4"	403'-5"	2523'-7"	
Coal		1'-0"	403'-9"	2523'-3"	
Coal & Shale		1'-10"	404'-9"	2522'-3"	
Coal		2"	406'-7"	2520'-5"	
Shale		2"	406'-9"	2520'-3"	
Coal		11"	406'-11"	2520'-1"	
			407'-10"	2519'-0"	

Coal & Shale  
Coal  
Coal & Shale  
Coal  
Shale  
Coal  
Coal





Kanawha BH. 15A

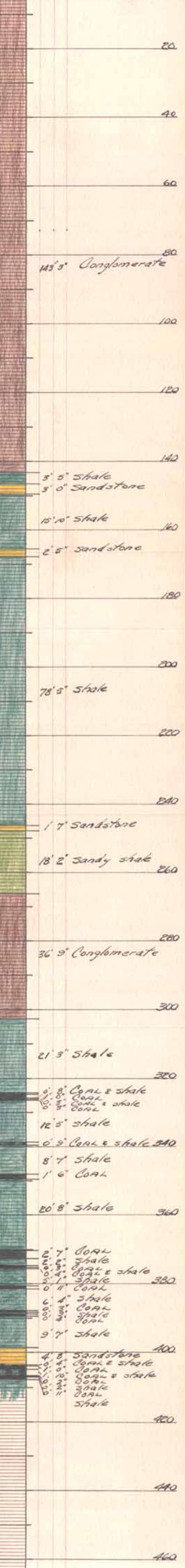
STATE	CANADIAN COLLIERIES (DUNSMUIR) LTD.	
COUNTY	FARM	WELL NO.
SEC 13		C-15A
BLOCK R. 8	SURVEY (Prospect Hole no 15A)	
SEC. Mountain	Extension District	
T.	R.	TOTAL DEPTH
		407' 10"
CONTRACTOR		
COMMENCED		
COMPLETED		
REMARKS		
ALTITUDE 927'		
PRODUCTION		

CASING RECORD

00720

20' 1 1/2"  
15 1/4" 5/8"  
12 1/4"

SHOT QUARTS BETWEEN





00720 (24)

Canadian Collieries (Dunsmuir) Ltd.

Sec. 14, R. 7, Mountain District

C-15

PROSPECT HOLE N<sup>o</sup> 15

Extension District

Scale 1" = 20'

Material	Section	Thickness	Depth below Surface	Elevation	Date
Surface Drift		2'-0"	2'-0"	2979.0 2977.0	Feb 15-1912 Feb 15-1912
Conglomerate		37'-0"			" 16 "
Sandstone		3'-0"	39'-0" 42'-0"	2940.0 2937.0	" 18 "
Conglomerate		53'-6"			" 20 "
Shale		0'-6"	95'-6"	2883.0	" 21 "
Conglomerate		2'-0"	96'-0"	2881.0	" 22 "
Shale		125'-0"			" 23 "
Shale					" 24 "
Sandstone		1'-0"	223'-0" 224'-0"	2756.0 2755.0	" 25 "
Conglomerate		35'-0"			" 26 "
Shale		1'-0"	255'-0" 256'-0"	2720.0 2719.0	" 27 "
Shale		19'-0"			" 28 "
Shale		1'-0"	279'-0" 280'-0"	2700.0 2699.0	Mar 1-1912
Shale		25'-0"			" 29 "
Coal shale		1'-2"	305'-0" 306'-0"	2674.0 2672.0	" 30 "
Shale		12'-9"	306'-0" 309'-0"	2672.2 2671.0	" 31 "
Coal (Dirty)		1'-3"	320'-0" 322'-0"	2658.3 2657.0	" 32 "
Shale		2'-6"		2648.6	" 33 "
Coal shale Coal		1'-0"	323'-0" 324'-0"	2647.8 2646.5	" 34 "
Shale		34'-10"		2611.7 2611.0 2610.2 2610.0	" 35 "
Coal (Bony) shale		0'-8"	325'-0"	2609.0	" 36 "
Coal (Bony) shale		1'-0"	326'-0"	2608.0	" 37 "
Shale		1'-0"	327'-0"	2607.5	" 38 "
Shale % Coal (mixed)		3'-10"	330'-0"	2607.3	" 39 "
Shaly Sandstone		3'-0"	333'-0"	2606.6	" 40 "
Sandstone		3'-0"	336'-0"	2604.8	" 41 "
Shale % Coal		3'-0"	339'-0"	2602.0	" 42 "
Sandstone		3'-0"	342'-0"	2599.0	" 43 "
Sandstone		38'-0"		2596.0 2593.0 2590.0	" 44 "
Sandstone			427'-0"	2552.0	" 45 "
Shale					" 46 "
Shale		281'-0"			" 47 "
Shale					" 48 "
Shale					" 49 "
Shale					" 50 "
Shale					" 51 "
Shale					" 52 "
Shale					" 53 "
Shale					" 54 "
Shale					" 55 "
Shale % Limestone		14'-0"	701'-0"	2271.0	" 56 "
Trap		1'-0"	722'-0" 723'-0"	2257.0 2256.0	Mar 6-1912



*Naraino B.H. 15*  
 STATE *CANADIAN COLLIERS*  
 COUNTY *(Dunsmuir) Rtd.*  
 COMPANY *(Dunsmuir) Rtd.*  
 FARM *(C-15)* WELL NO.  
 BLOCK *Sec. 14* SURVEY *(Hesperia Hole No. 15)*  
 SEC. *R. 7* EXTENSION DISTRICT  
 T. R. TOTAL DEPTH *723'*

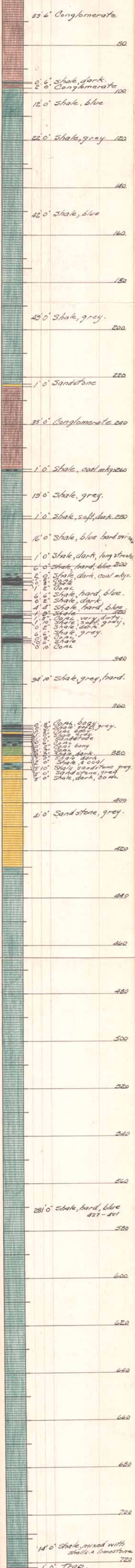
CONTRACTOR  
 COMMENCED *Feb 15, 1912*  
 COMPLETED *Mar 16, 1912*  
 REMARKS  
 ALTITUDE *979*  
 PRODUCTION

CASING RECORD

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

**00720**

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





00720 (25)

Sec. 9, R. 4, Cranberry District  
C-14

Canadian Collieries (Dunsmuir) Ltd.

PROSPECT HOLE NO. 14.

Extension District.

SCALE 1 IN. = 20 FT.

Material	Section	Thickness	Depth below Surface	Elevation	Date
			0'-0"	2131.0	
Surface Drift		19'-6"	19'-6"	2111.5	Nov. 22-1911 23
					24
					25
					26
					27
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					Dec. 1-1912
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					Jan. 3-1912
					4
					5
					29
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					31
					Feb. 1-1912
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					Mar. 1-1912
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					Mar. 5-1912
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					Jan. 19-1912
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					31
					Feb. 10



Norwinn Est. 14

STATE *CANADIAN COLLIERS (OWNERS) LTD.*

COUNTY *Sec 9* FARM *C-14* WELL NO.

BLOCK *R. 4.* SURVEY *(prospect hole No. 14) Expansion District*

SEC. *Canberry* T. *J.* TOTAL DEPTH *1076' 0"*

CONTRACTOR

COMMENCED *Nov 22, 1911*

COMPLETED *Feb 10, 1917*

REMARKS

ALTITUDE *131.0*

PRODUCTION

CASING RECORD

10" 8 1/4"

**00720**

20" 15 1/4"

12 1/4" SHOT QUARTS BETWEEN

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

15' 0" Sandy soil & gravel

4' 6" Hard pan 20

40

60

80

100

176' 5" Conglomerate, broken 124' 4" - 136' 0"

120

140

160

180

6' 1" Conglomerate 2' 2 1/4" sandy band 200

11' 1" Conglomerate

4' 4" Clay shale

3' 0" Sandy shale 220

2' 4" Sandstone

240

43' 10" Conglomerate

260

2' 4" Sandy Conglomerate

9' 10" Conglomerate

3' 2" Sandy Conglomerate 280

31' 5" Sandy shale

300

7' 6" Sandy conglomerate 320

5' 9" Conglomerate

6' 0" Sandstone & pebbles

4' 2" Conglomerate

5' 2" Sandy shale 340

5' 1" Conglomerate

5' 3" Sandy shale

11' 1" Conglomerate 360

31' 6" Shale, caved badly. 380

3" Core

8' 6" Conglomerate 400

6' 1" Sandy conglomerate

2' 3" Conglomerate

11' 1" Sandy Conglomerate 420

26' 5" Conglomerate (water & gas) 440

13' 7" Conglomerate very broken. 460

10' 8" Conglomerate

8' 1" Conglomerate very broken 480

500

520

86' 10" Conglomerate (chiefly poorly cemented) 540

560

9' 3" Conglomerate very broken. 580

600

74' 7" Conglomerate 620

640

3' 3" Clay shale, very broken. 660

22' 7" Sandy shale

680

700

67' 6" Sandy shale, with marine fossils. 720

740

760

780

82' 6" Sandy shale broken 770' 2" - 804' 6" 800

820

840

860

880

900

920

940

960

980

1000

1020

1040

1060

1080

1090

1096'

248' 0" Clay shale, marine shells, top 10' broken 912' - 918' 940

960

980

1000

1020

1040

1060

1080





*Nandimo B.H. 13A*

STATE *CANADIAN COLLEGIES (Owensmire dist)* COMPANY

COUNTY *Sec 13* FARM *(C-13A)* WELL NO.

BLOCK *R 8* SURVEY *(Prospect hole No. 13-A)*

SEC. *Mountain D.* Extension District

T. R. TOTAL DEPTH *489' 9"*

CONTRACTOR

COMMENCED ?

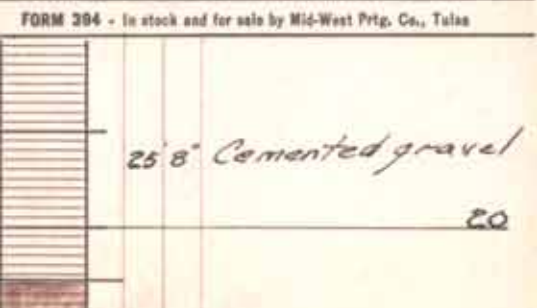
COMPLETED ?

REMARKS

ALTITUDE *915*

PRODUCTION

CASING RECORD









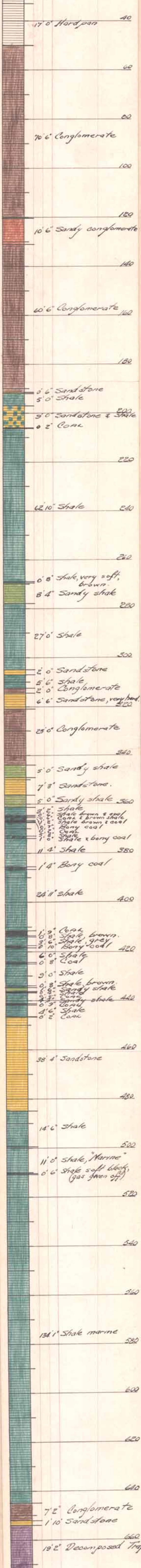
Nansimo 24. 13

STATE	(DUNSMUIR) LTD.
COUNTY	CANADIAN COLLIERS
BLOCK	FARM
SEC. 13R.8	(C-13)
Mountain D	(prospect hole No. 13)
	Extension District
T.	R.
	TOTAL DEPTH
	673' 2"
	CONTRACTOR
	COMMENCED Oct 13, 1911
	COMPLETED Apr. 20, 1912
	REMARKS
ALTITUDE	
906'	
PRODUCTION	

CASING RECORD

10"		
20"	00720	
15 1/4"		
12 1/4"		
SHOT	QUARTS	BETWEEN

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





00720

Canadian Collieries (Dunsmuir) Ltd.

PROSPECT HOLE NO. 1R  
Extension District.

SCALE 1 IN. = 20 FT.

Material	Section Thickness	Depth below Surface	Elevation	Date
Surface Drift	12'-1"	8'-0"	2121.0	July 31-1911
Shale	14'-1"	17'-1"	2103.9	July 31-1911
Clay Shale	61'-2"	61'-2"	2052.0	Aug 2-1911
Conglomerate	17'-4"	78'-6"	2042.5	" "
	" "	" "	" "	" "
	" "	" "	" "	" "
	" "	" "	" "	" "
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	" "	" "	" "	" "
	" "	" "	" "	" "
Shale	0'-2"	315'-8"	1805.8	Sept 30-1911
Coal	5'-4"	321'-2"	1805.3	" "
Shale (little coal)	3'-4"	324'-6"	1804.6	" "
Sandy Shale	8'-0"	332'-6"	1799.3	" "
Clay Shale	10'-4"	343'-0"	1795.9	" "
Coal	0'-9"	352'-9"	1787.9	Oct 2-1911
Clay Shale	6'-2"	359'-1"	1787.9	" "
Conglomerate	3'-2"	365'-3"	1787.9	" "
Sandstone	11'-0"	376'-3"	1787.9	" "
Conglomerate	22'-0"	398'-3"	1787.9	" "
Sandstone	10'-0"	408'-3"	1787.9	" "
Shale	10'-0"	418'-3"	1787.9	" "
Clay Shale	" "	" "	" "	" "
	" "	" "	" "	" "
	" "	" "	" "	" "
	" "	" "	" "	" "
	" "	" "	" "	" "
	" "	" "	" "	" "
	" "	" "	" "	" "
	" "	" "	" "	" "
	" "	" "	" "	" "
	" "	" "	" "	" "
Clay Shale	444'-4"	404'-0"	1714.8	" "

Analysis

Fixed Carbon	38.88%
Volatile Matter	40.92%
Ash	20.20%
Sulphur	0.58%
Moisture	1.14%
Specific Gravity	1.370

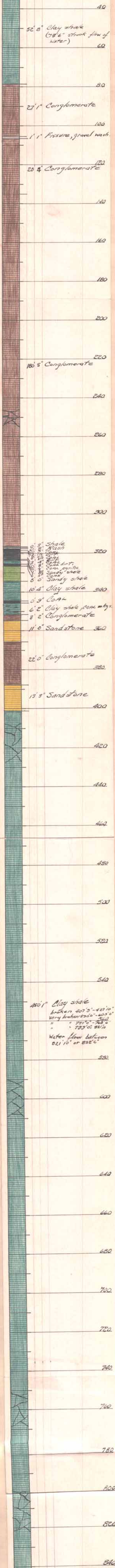
1870.2  
Nov 1-1911  
Nov 2-1911



N. 11111111 24. 12  
 CANADIAN COLLIERS  
 (DUNSMUIR) LTD.  
 STATE \_\_\_\_\_ COMPANY \_\_\_\_\_  
 COUNTY SEC 5 FARM \_\_\_\_\_ WELL NO. \_\_\_\_\_  
 BLOCK 26 SURVEY (C-12)  
 SEC. (Canbary) (Proposed Hole No. 12 Extension District)  
 T. \_\_\_\_\_ R. \_\_\_\_\_ TOTAL DEPTH 850' 10"  
 CONTRACTOR \_\_\_\_\_  
 COMMENCED July 31, 1911  
 COMPLETED Nov 2, 1911  
 REMARKS Analysis is on Arkwood log (2 prox analysis)  
 ALTITUDE 121.0' PRODUCTION \_\_\_\_\_

CASING RECORD  
 10"  
 20"  
 15 1/2"  
 12 1/4"  
 SHOT QUARTS BETWEEN

00720





C-1

B. H. 1 - C.C.(D.), Nanaimo

On southwest side Nanaimo Waterworks Pipeline, approximately  
35 ft. north, 1780 ft. west of the southeast corner,  
Sect. 6, R. 1, Cranberry District.  
C.C.(D.) co-ords. S.9903.60 W.2335.97

Begun: July -, 1910. Driller(s): W.T.P. Westwood, to  
Finished: Aug. 23, 1910. 31' 7",  
Depth: 148' 8" Wm. McHugh, remdr.  
Drilled to: Main Wellington Seam + 5' 5"

Nature of Strata	Thickness	Depth below surface	Elevation + 2000'
COLLAR.....	.....	0' 0"	2663.5
Surface.....	8' 7"	8 7	2654.9
Conglomerate.....	62 4½	70 11½	2592.5
Shale.....	5 1	76 0½	2587.5
Conglomerate.....	27 5½	103 6	2560.0
Shale, black, "with sight coal"...	1 3	104 9	2558.8
Fireclay.....	5 7	110 4	2553.2
Sandstone, fine, interleaved with shale.....	- 7	110 11	2552.6
Shale.....	1 11	112 10	2550.7
C O A L.....	1 9	114 7	2548.9
Fireclay.....	3 5	118 0	2545.5
Fireclay "with sight coal".....	2 1	120 1	2543.4
Fireclay.....	13 6½	133 7½	2529.9
Shale, black, "with sight coal"...	1 0	134 7½	2528.9
C O A L.....	1 8	136 3½	2527.2
Dirt.....	- 1	136 4½	2527.1
C O A L.....	1 11	138 3½	2525.2
Shale, black.....	- 4	138 7½	2524.9
C O A L.....	1 2	139 9½	2523.7
Fireclay.....	2 0	141 9½	2521.7
C O A L.....	1 5½	143 3	2520.2
Shale.....	2 0	145 3	2518.2
Sandstone.....	3 5	148 8	2514.8

CANADIAN COLLIERIES  
(DUNSMUIR) LTD

B.H. No. 1, 2, 3, 4, 5,  
6, 7, 8, 9, 10, 11, 12

C Series

C1 - C12

00720(29)

B. H. 2 - C.C.(D.), Nanaimo

Near north bank Nanaimo River, approximately 240 ft. south,  
1200 ft. east of the northwest corner, Sect. 3, R. 2,  
Cranberry district.

C.C.(D.) co-ords. S. 12,931.77 E. 825.90

Begun: Aug. 14, 1910

Driller(s): W.T.P. Westwood

Finished: Oct. 25, 1910

Depth: 325' 2"

Drilled to: Main Wellington seam + 2'

Nature of Strata	Thickness	Depth below surface	Elevation + 2000'
COLLAR.....	.....	0' 0"	2313.0
Surface.....	3' 0"	3 0	2310.0
Conglomerate.....	125 3	128 3	2184.8
Shale.....	1 8	129 11	2183.1
Conglomerate.....	6 6	136 5	2176.6
Shale.....	- 2	136 7	2176.4
Conglomerate, very hard 160'10 $\frac{1}{2}$ "- 164' 6 $\frac{1}{2}$ ".....	93 5	230 0	2083.0
Conglomerate and sandstone.....	3 3	233 3	2079.8
Conglomerate, hard 252'0"-262'6".....	36 9	270 0	2043.0
Shale, coal marked.....	6 6	276 6	2036.5
Shale and sandstone.....	4 0	280 6	2032.5
Shale, coal marked.....	2 0	282 6	2030.5
C O A L (did not core).....	2 0	284 6	2028.5
Shale.....	12 2	296 8	2016.3
C O A L.....	1 9	298 5	2014.6
Shale.....	21 9 $\frac{1}{2}$	320 2 $\frac{1}{2}$	1992.8
C O A L.....	2 11 $\frac{1}{2}$	323 2	1989.8
Sandstone, dark.....	2 0	325 2	1987.8

Note: Checked against driller's  
log below 101' 6" only.



B. H. 3 - C.C.(D.), Nanaimo

One mile south of Nanaimo River. Approximately 950 ft. south, 810 ft. east of the northwest corner, L. 9, Bright district.

C.C.(D.) co-ords. S. 17,584.67 E. 8,912.79

Begun: Sept. 1, 1910  
 Finished: Nov. 2, 1910  
 Depth: 764' 7"

Driller(s): R.B. Thomson,  
 W. Christofferson.

Drilled to: All in Haslam formation, below Wellington seam.

Nature of Strata	Thickness	Depth below surface	Elevation + 2000'
COLLAR.....	.....	0' 0"	2353.1
Clay.....	15' 0"	15' 0"	2338.1
Clay and hard pan.....	5 0	20 0	2333.1
Gravel wash.....	4 0	24 0	2329.1
Sandstone boulders.....	2 0	26 0	2327.1
Broken sandstone (ca. lg. boulder)	4 6	30 6	2322.6
Gravel wash.....	1 1½	31 7½	2321.5
Sandstone, very hard.....	- 9	32 4½	2320.7
Sandstone, hard, fine grained, much fractured.....	3 2	35 6½	2317.6
Sandstone,.....	4 4½	39 11	2313.2
Sandstone, compressed.....	88 9	128 8	2224.4
Conglomerate.....	17 0	145 8	2207.4
Sandstone, with occ. pebbles.....	18 1	163 9	2189.4
Conglomerate.....	4 2	167 11	2185.2
Sandstone.....	1 8	169 7	2183.5
Shale, with $\angle$ r fractures 188' 11" - 205' 6".....	70 5	240 0	2113.1
Clay intersected with shale.....	8 0	248 0	2105.1
Fireclay.....	12 10	260 10	2092.3
Shale.....	7 8	268 6	2084.6
Fireclay.....	7 9	276 3	2076.8
Shale and fireclay, interbanded...	8 4	284 7	2068.5
Clay.....	11 11	296 6	2056.6
Shale, - 45° fractures veneered with calcite 353' 10" - 378' 8".....	99 6	396 0	1957.1
Shaly sandstone, very broken.....	13 8	409 8	1943.4
Sandstone.....	2 10	412 6	1940.6
Shale.....	4 9	417 3	1935.8
Sandstone.....	10 3	427 6	1925.6
Shale, very broken.....	16 0	443 6	1909.6
Sandstone and shale.....	6 2	449 8	1903.4
Sandstone.....	3 2	452 10	1900.3
Shale, very broken and intersected with clay bands.....	10 2	463 0	1890.1
Clay shale.....	7 11	470 11	1882.2
Shale.....	19 1	490 0	1863.1
Clay shale.....	5 9	495 9	1857.4

C-3

Nature of Strata	Thickness	Depth below surface	Elevation + 2000'
Brought forward.....	.....	664' 6"	1688.6
Shale.....	49 6	714 0	1639.1
Clay shale.....	17 8	731 8	1621.4
Shale and sandstone.....	5 2	736 10	1616.3
Shale.....	20 6	757 4	1595.8
Clay shale.....	5 1	762 5	1590.7
Sandy shale.....	2 2	764 7	1588.5



B. H. 4 - C.C.(D.), Nanaimo

Half a mile north of Nanaimo River. Approximately 235 ft. north,  
98 ft. east of the southwest corner, Sect. 5, R. 2, Cranberry dist

C.C.(D.) co-ords. S. 11,096.25 W. 504.96

Begun: Sept. 1, 1910  
Finished: Oct. 17, 1910.  
Depth: 127' 4"

Driller(y): Wm. McHugh  
Note: This hole 1 1/8" core.

Drilled to: Main Wellington seam + 2' 10"

Nature of Strata	Thickness	Depth below surface	Elevation + 2000'
COLLAR.....		0' 0"	2507.6
Conglomerate.....	21' 10"	21 10	2485.8
Conglomerate, broken.....	12 4	34 2	2473.4
Shale, black.....	- 2	34 4	2473.3
Conglomerate, broken.....	23 0	57 4	2450.3
Conglomerate.....	6 8	64 0	2443.8
Conglomerate, broken.....	4 6	68 6	2439.1
Conglomerate.....	11 3	79 9	2427.9
Shale, black, with sight coal.....	1 2	80 11	2426.7
Sandy shale (fireclay - driller)..	2 10	83 9	2423.8
Fireclay.....	- 7	84 4	2423.3
Fireclay with sight coal.....	3 7	87 11	2419.7
Sandy shale (fireclay- driller)..	2 8	90 7	2417.0
Fireclay.....	3 9	94 4	2413.3
Shale, black.....	- 4	94 8	2412.9
C O A L .....	1 11	96 7	2411.0
Fireclay.....	5 9	102 4	2405.3
Shale, black, with sight coal.....	1 5	103 9	2403.8
Sandy shale.....	6 2	109 11	2397.7
Shale.....	2 2	112 1	2395.5
Shale, black, with sight coal.....	- 6	112 7	2395.0
C O A L .....	- 7	113 2	2394.4
Shaly dirt.....	- 3	113 5	2394.2
C O A L .....	1 5	114 10	2392.8
Shale, black.....	- 4	115 2	2392.4
Fireclay .....	1 4	116 6	2391.1
Shale, black.....	1 2	117 8	2389.9
Fireclay.....	4 8	122 4	2385.3
Shale, black.....	- 3	122 7	2385.0
C O A L .....	1 11	124 6	2383.1
Shale, black.....	- 2	124 8	2383.9
Sandstone.....	2 8	127 4	2380.3

B. H. 5 - C.C.(D.), Nanaimo

On Nanaimo Waterworks pipeline, one mile south of Extension.  
 Approximately 265 ft. north, 730 ft. east, of southwest corner,  
 Sect. 9, R. 2, Cranberry district.  
 C.C.(D.) co-ords. S.5,733.51 E.225.33

Begun: Oct. 26, 1910-Feb. 11, 1911 Driller(s) Wm. McHugh  
 Finished: Mar. 17, 1911-May 5, 1911 (301' 11" to end)  
 Depth: 440' 7" NOTE: This hole prob. 1 1/8" core.  
 Drilled to: Main Wellington seam - 10' 2"

Nature of Strata	Thickness	Depth below surface	Elevation + 2000'
COLLAR.....		0' 0"	2587.71
Conglomerate, broken 7' 5"-11' 10" ..	38' 0"	38 0	2549.7
Shale, black.....	- 2	38 2	2549.5
Sandy shale.....	12 10	51 0	2536.7
Fireclay.....	- 10	51 10	2535.9
Conglomerate, broken 51' 10"-55' 0"			
"    71' 7"-79' 11"	27 7	89 5	2498.3
Sandy shale.....	2 4	91 9	2496.0
Conglomerate, broken 110' 0"-113' 11"			
"    121' 4"-124' 0"			
"    136' 4"-140' 10"	49 1	140 10	2446.9
Shale.....	7 6	148 4	2439.4
Shale, black.....	1 3	149 7	2438.1
Shale.....	- 10	150 5	2437.3
Shale, black, with sight coal.....	3 4	153 9	2434.0
CCAI.....	- 11	154 8	2433.0
Shale.....	5 1	159 9	2428.0
Shale, black.....	- 7	160 4	2427.4
Sandy shale.....	6 2	166 6	2421.2
Shale, black.....	- 3	166 9	2421.0
Conglomerate, broken 177' 7"-188' 2"	27 7	194 4	2393.4
Sandstone, hard, compressed.....	5 8	200 0	2387.7
Conglomerate, broken 200' 0"-203' 5"	11 3	211 3	2376.5
Conglomerate mixed with shale and fireclay.....	- 9	212 0	2375.7
Conglomerate, broken 212' 0"-230' 3"	20 8	232 8	2355.0
Conglomerate with sight coal.....	- 3	232 11	2354.8
Conglomerate.....	2 5	235 4	2352.4
Shale.....	- 9	236 1	2351.6
Shale, black.....	1 3	237 4	2350.4
Sandy shale.....	3 8	241 0	2346.7
Conglomerate.....	1 4	242 4	2345.4
Sandy shale.....	- 11	243 3	2344.4
Conglomerate, broken 263' 9"-267' 3"	25 7	268 10	2318.9
Conglomerate, very hard.....	6 5	275 3	2312.4
Conglomerate, broken 277' 11"-280' 3"	5 0	280 3	2307.4
Conglomerate, very hard 280' 3"- 281' 4", 292' 1"- 302' 11".....	49 1	329 4	2258.4
Conglomerate, broken 329' 4"- 329' 8" 329' 4"- 329' 8"	50 2	388 6	2199.2



Nature of Strata	Thickness	Depth below surface	Elevation + 2000'
Brought forward.....	.....	423' 1"	2164.6
Shale.....	2' 10"	425 11	2161.8
C O A L.....)	- 4	426 3	2161.5
Shale, black.)	2 4	428 7	2159.1
C O A L.....)	- 7	429 2	2158.6
Shale, black.)	- 10	430 0	2157.7
C O A L.....)	- 5	430 5	2157.3
Shale, black.)	- 2	430 7	2157.1
Sandstone.....	10 0	440 7	2147.1

B. H. 6 - C.C.(D.), Nanaimo

On north bank Nanaimo River, 7200 ft. (109 ch.) above C.C.(D.) railway bridge. Approximately 200 ft. north, 445 ft. west of the southeast corner, Sect. 4, R. 2, Cranberry district. C.C.(D.) co-ords. S.12,545.57 E.2,030.47

Begun: Nov. 8, 1910-Jan. 11, 1911 (336') Driller(s): W.T.P. Westwood, to bedrock  
 Finished: Sep. 12 - Oct. 31, 1912. Wm. McHugh, to 336 ft.  
 Depth: 1469' 7" R.B. Thomson, & ca.  
 Drilled to: Main Wellington seam ~~A~~ 1173' 6" J.G. Thomson, remdr.

Nature of Strata	Thickness	Depth below surface	Elevation + 2000'
COLLAR.....		0' 0"	2308.5
Conglomerate.....	252' 2"	252 2	2056.3
Sandy shale.....	9 10	262 0	2046.5
Shale.....	3 4	265 4	2043.2
Slate.....	- 6	265 10	2042.7
C O A L and fireclay.....	1 7	267 5	2041.1
Fireclay, slaty.....	9 6	276 11	2031.6
Shale and fireclay.....	11 3	288 2	2020.3
Shale.....	4 0	292 2	2016.3
Slate.....	2 10	295 0	2013.5
C O A L .....	1 1	296 1	2012.4
Slate, black.....	- 10	296 11	2011.6
Sandstone "with coal spars".....	3 0	299 11	2008.6
Sandstone.....	36 1	336 0	1972.5
- Jan. 11, 1911 -			
Shale (W.J.Sutton); "compressed sandstone" (R.B. Thomson); form <sup>n</sup> . solid, pitch 20%, 336' 0" - 357' 8"			
movement slips, with calcite laminae, 379' 11" - 397' 10"			
very broken, 397' 10" - 401' 3".....	65 3	401 3	1907.2
Clay shale, with bands of sandst..	18 5	419 8	1888.8
Clay shale, ("shale" W.J.S.) pitch 10%, 529' 6" - 569' 6"			
broken, 604' 9" - 630' 5"			
broken, pitch 40%, 670' 5" - 688' 9"			
broken, 688' 9" - 750' 6"			
broken, 798' 3" - 822' 3"			
with vert. fractures, 958' 6" - 980' 1"	720' 10"	1140' 6"	1168.0
Sandstone.....	35 0	1175 6	1133.0
Sandy shale ("shale" W.J.S.).....	5 0	1180 6	1128.0
Clay shale ("shale" W.J.S.) angular fractures, 1250' 6" - 1270' 6"			
hard, 1300' 6" - 1320' 7"			
angular fractures, 1320' 7" - 1340' 9"	289 1	1469 7	838.9



C-7

B. H. 7 - C.C.(D.), Manaimo

South of Spruston road. Approximately 1424 ft. south,  
1140 ft. west, of northeast corner, Bk. 194, Bright district.

C.C.(D.) co-ords. S.17,923. E.1,645.

Begun: Nov. 12, 1910.  
Finished: Jan. 31, 1911.  
Depth: 912' 4"

Driller(s): R.B. Thomson &  
J.G. Thomson

Drilled to: Base of Extension conglomerate + 543' 10"

912  
543  
369

Nature of Strata	Thickness	Depth below surface	Elevation + 2000'
COLLAR.....	.....	0' 0"	2645.5
Conglomerate; very hard, 0'-15'...	57' 10"	57 10	2587.7
Shale.....	1 6	59 4	2586.2
Conglomerate.....	44 2	103 6	2542.0
Sandy shale.....	5 0	108 6	2537.0
Conglomerate; very hard, 122'8"- 130'7"...	22 1	130 7	2514.9
Shale.....	7 9	138 4	2507.2
Conglomerate.....	20 11	159 3	2486.2
Shale.....	4 10	164 1	2481.4
Conglomerate; broken, 170'1"-180'2" 204'1"-226'2"	79 6	243 7	2401.9
---At 230' struck flow of water, 6 2/3 gal.p.min., 106 lbs./sq.in.---		--230 0--	--2415.5--
Conglomerate with bands of sandstone.....	4 1	247 8	2397.8
Conglomerate; very hard; broken 290' 4"-298' 3".....	120 10	368 6	2277.0
Clay shale; very broken, 556'10"- 577'11"; at 678'9" (1966.8) pasty clay shutting off water....	363 0	731 6	1914.0
Shale with sandstone laminae.....	22 1	753 7	1891.9
Clay shale.....	51 0	804 7	1840.9
Clay shale, solid, glazed cleav- ages dip 15°.....	30 6	835 1	1810.4
Clay shale, very broken; glazed cleavages dip 30°, 835'1"- 860'10"; glazed cleavages with 1/8" calcite veins between dip 15°-90°, 860'10"-870'4".....	52 9	887 10	1757.7
Clay shale; very broken 903'11"- 912'4".....	24 6	912 4	1733.2

B. H. 8 - C.C.(D.), Nanaimo

One quarter mile north of Nanaimo river. Approximately 150 ft. north, 1640 ft. east, of the southwest corner, Sect. 5, R. 2, Cranberry district.  
C.C.(D.) co-ords. S. 11,120.47 E. 1,033.49

Begun: Jan. 27, 1911. Driller(s): Wm. Christofferson,  
Finished: Feb. 24, 1911. to 48';  
Depth: 108' 2" Wm. McHugh, remainder  
Drilled to: Main Wellington seam + 13'11"

Nature of Strata	Thickness	Depth below surface	Elevation + 2000'
COLLIAR.....	.....	0' 0"	2463.8
Surface drift.....	1' 8"	1 8	2462.1
Conglomerate; broken, 50'9"-54'0".	55 0	56 8	2407.1
Shale.....	7 6	64 2	2399.6
Shale, black.....	1 1	65 3	2398.6
C O A L .....	1 3	66 6	2397.3
Shale, black.....	- 9	67 3	2396.6
Fireclay.....	1 7	68 10	2395.0
Shale.....	8 10	77 8	2386.1
Sandy shale.....	- 8	78 4	2385.5
Shale.....	- 10	79 2	2384.6
Fireclay.....	1 3	80 5	2383.4
Shale, black, with sight coal.....	1 2	81 7	2382.2
Fireclay.....	2 4	83 11	2379.9
Shale, black.....	- 6	84 5	2379.4
Shale.....	8 3	92 8	2371.1
Shale, black.....	- 8	93 4	2370.5
C O A L .....	- 11	94 3	2369.6
Shale, black.....	- 5	94 8	2369.1
Sandstone.....	13 6	108 2	2355.6



B. H. 9 - C.C.(D.), Nanaimo

South of Spruston road. Approximately 1565 ft. south, 1410 ft. west, of northeast corner, L. 22, Bright district.

C.C.(D.) co-ords. S. 18,272 E. 4,019

(to  
 Begun: Feb. 10-May 16, 1911 (443' 1" Driller(s): R.B. Thomson and pro  
 Finished: Mar. 10-June 27, 1912. J.G. Thomson.

Depth: 1572' 1"  
 Drilled to:

NOTE: This hole 1 5/8" core below 443' 1"

Nature of Strata	Thickness	Depth below surface	Elevation + 2000'
COLLAR.....	.....	0' 0"	2519.2
Surface gravel.....	8' 6"	8' 6"	2510.7
Conglomerate, weathered and broken; with large pebbles, 22'3"-32'8"...	24 2	32 8	2486.5
Conglomerate; very broken and uncemented, 86'5"-104'9".....	92 7	125 3	2394.0
---Struck feeder of water at approximately 125' r---.....		125 0	2394.2--
Clay shale, very broken.....	5 8	130 11	2388.3
Sandstone, compressed, very broken	3 2	134 1	2385.1
Conglomerate, very broken; a succession of hard and soft bands, 142'1"-149'11".....	23 10	157 11	2361.3
Conglomerate; very broken, 183'9"-197' 8".....	81 9	239 8	2279.5
Conglomerate, with hard and soft bands.....	7 3	246 11	2272.3
Conglomerate; broken, 246'11"-256'1"; very broken, 324'6"-331'3".....	93 2	340 1	2179.1
Sandstone.....	- 10	340 11	2178.3
Conglomerate; very broken, 360'10"-367' 7".....	84 4	425 3	2094.0
Sandstone, hard, "with stragglng pebbles".....	3 10	429 1	2090.1
NO CORE, "very soft, walls either clay or wash, gouging away", ---In 1912 feeder of water here at 120 lbs./sq. in.---	1 2	430 3	2089.0
Conglomerate; broken, 453'1"-463'1".....	32 10	463 1	2056.1
Conglomerate, poorly cemented, e.g., 556'-573', "only bands at two to three feet of six to eight inches coring, 60% remainder washing away".....	137 7	600 8	1918.5
Conglomerate.....	66 7	667 3	1852.0
Clay shale, very broken.....	25 10	693 1	1826.1
Sandy shale, very broken.....	3 1	696 2	1823.0
Clay shale; very broken, 764'3"-776'10"; 799'4"-816'3".....	153 6	849 8	1669.6

Nature of Strata	Thickness	Depth below surface	Elevation + 2000'
Brought forward.....	.....	1162' 7"	1356.6
Clay shale, very broken.....	19' 10"	1182 5	1336.8
Sandstone, with vertical fractures containing calcite.....	2 4	1184 9	1334.5
Conglomerate.....	113 6	1298 3	1221.0
Sandstone, compressed.....	67 4	1365 7	1153.6
Shaly sandstone.....	10 0	1375 7	1143.6
Sandy shale; pitch 30°, 1410'7"-1430'7".....	76 0	1451 7	1067.6
Clay shale; pitch 30°, 1451'7"-1491'7" and 1542'1"-1572'1".....	120 6	1572 1	1047.1



B. H. 10 - C.C.(D.), Nanaimo

On north side Nanaimo river, 2200 ft. (33 1/3 ch.) below C.C.(D.)  
 ry. bridge. Approximately 12 ft. south, 1750 ft. east, of north-  
 west corner, Sect. 5, R. 5, Cranberry district.  
 C.C.(D.) co-ords. S. 10,193.68 E. 11, 058.51

Begun: May 26, 1911. Driller(s): Wm. McHugh, drift on  
 Finished: Sep.14, 1911. to May 31.  
 Depth: 327' 0" J.Y. Humes, remdr.  
 Drilled to: Main Wellington seam + 6' 10"

Nature of Strata	Thickness	Depth below surface	Elevation + 2000'
COLLAR.....	.....	0' 0"	2127.44
Surface drift (many boulders).....	21' 3"	21' 3"	2106.2
Broken sandstone and sandstone boulders.....	6 9	28 0	2099.4
Shaly sandstone.....	22 0	50 0	2077.4
Conglomerate; broken, 78'-83'.....	42 0	92 0	2035.4
Shale.....	5 0	97 0	2030.4
Conglomerate.....	187 0	284 0	1843.4
Sandy shale.....	8 0	292 0	1835.4
C O A L .....	2 0	294 0	1833.4
Rash, some coal ("Coal, mostly rash" - driller).....	1 0	295 0	1832.4
COAL and dirt mixed (mostly soft dirt, wouldn't core well).....	2 0	297 0	1830.4
Sandy shale.....	2 0	299 0	1828.4
Sandstone, fine.....	6 0	305 0	1822.4
Conglomerate.....	14 0	319 0	1808.4
Sandy shale.....	1 0	320 0	1807.4
C O A L .....	- 2	320 2	1807.3
Sandy shale.....	1 <u>10</u>	322 0	1805.4
Sandstone, fine.....	5 0	327 0	1800.4

B. H. 11 - C.C.(D.), Nanaimo

On north side north branch Haslam creek, 900 ft. (13½ ch.) downstream from C.C.(D.) ry. bridge. Approximately 45 ft. north, 1138 ft. west, of southwest corner, L. 4, Bright dist. C.C.(D.) co-ords. S. 17,906 E. 13,860.

Begun: May 25, 1911  
 Finished: July 15, 1911  
 Depth: 495' 1"

Driller(s): R.B. Thomson and  
 ca. J.G. Thomson

Drilled to: 277' 11" in Extension formn., about 250 ft. to go to floor of No. 4 Mine, Extension, seam. (Up. Welln.)

Nature of Strata	Thickness	Depth below surface	Elevation + 2000'
COLLAR.....	.....	0' 0"	2130.0
Sandy clay.....	20' 0"	20 0	2110.0
Gravel wash, some boulders.....	17 1	37 1	2092.9
Conglomerate, weathered and broken Shale.....	5 10	42 11	2087.1
Sandstone.....	5 5	48 4	2081.7
Conglomerate.....	35 2	83 6	2046.5
Sandstone.....	5 0	88 6	2041.5
Conglomerate.....	6 6	95 0	2035.0
Sandstone.....	2 0	97 0	2033.0
Conglomerate.....	2 6	99 6	2030.5
Clay shale, very broken.....	4 11	104 5	2025.6
Conglomerate.....	6 5	110 10	2019.2
Clay shale; very broken, 110' 10" - 121' 1".....	106 4	217 2	1912.8
Conglomerate, hard; notes pebbles principally chert 245' - 255'.....	40 4	257 6	1872.5
Sandstone, compressed, dipping 45°, with calcite laminae.....	4 1	261 7	1868.4
Conglomerate.....	2 11	264 6	1865.5
Clay shale.....	25 7	290 1	1839.9
Conglomerate; v. hard chert conglomerate, 313' 10" - 320' 11"....	61 4	351 5	1778.6
---Between 294' 10" and 305' 1" struck a great flow of water---		300 0	1830.0---
Shale, pitching 23°.....	- 8	352 1	1777.9
Conglomerate, uncemented, 356' 4" - 364' 0".....	27 8	379 9	1750.2
Clay shale, pitching 45°.....	7 9	387 6	1742.5
Conglomerate; very broken, 388' 5" - 393' 4".....	30 10	418 4	1711.7
Chert conglomerate, crumbling....	10 4	428 8	1701.3
Clay shale; pitching 45°, 428' 8" - 432' 1"; very broken, with frequent slips, 450' 1" - 473' 3".....	66 5	495 1	1634.9
Hole abandoned due to caving from lowermost broken clay shale band			



B. H. 12 - C.C.(D.), Nanaimo

North side of Nanaimo river, 3800 ft., (58 ch.), below C.C.(D.)  
ry. bridge. Approximately 1161 ft. south, 181 ft. east, of  
northeast corner, Sect. 5, R. 6, Cranberry district.

C.C.(D.) co-ords. S. 11, 324.00 E. 12,916.51

Begun: July 28, 1911.

Driller(s): R.B. Thomson and pro

Finished: Nov. 2, 1911.

J.G. Thomson.

Depth: 851' 0"

Drilled to: Main Wellington seam + 505' 7"

Nature of Strata	Thickness	Depth below surface	Elevation + 2000'
COLLAR.....	.....	0' 0"	2120.62
Surface drift.....	17' 1"	17' 1"	2103.5
Sandy shale.....	8 9	25 10	2094.8
Clay shale, very soft.....	52 8	78 6	2042.1
---At 78'6" struck a great flow of water rising 33 ft. above collar---			
Conglomerate.....	27 1	105 7	2015.0
FISSURE, full of gravel wash.....	1 1	106 8	2014.0
Conglomerate.....	28 4	135 0	1985.6
Conglomerate; very hard but containing frequent voids, 142' 6"-154' 2"; hard, but poorly cemented and washing away, 165' 11"-176' 9", and possibly 203' 6"-216' 0"; with spaces 6"-8" across, 235' 4"-246' 2"; v. hard and broken, 246' 2"-254' 2" uncemented, 300' 1"-309' 5".....			
Shale.....	180 5	316 9	1803.9
Rash (W.J.Sutton), coal dirt (RBT)	- 3	317 0	1803.6
C O A L ) .....	- 8	317 8	1803.0
Dirt ) .....	- 9	318 5	1802.2
C O A L ) See note below. ....	- 1 1/2	318 6 1/2	1802.1
Dirt ) .....	- 11 1/2	319 6	1801.1
C O A L ) .....	- 2	319 8	1801.0
Coal dirt ) Per driller, ..	3 4	323 0	1797.6
Coal, pyritic ) lumped as 3' 4" ..	- 8	323 8	1797.0
Sandy shale ) shale with rash ..	- 0 1/2	323 8 1/2	1796.9
C O A L ) & coal by W.J.S. ...	1 8 1/2	325 5	1795.2
Coal dirt (Prob. a parting - A.F.B.)	- 11	326 4	1794.3
Sandy shale.....	8 0	334 4	1786.3
Clay shale.....	10 4	344 8	1776.0
C O A L (4 1/2" solid core, 4 1/2" mixed with dirt).....	- 9	345 5	1775.2
Clay shale with coal markings.....	6 2	351 7	1769.0
Conglomerate.....	3 2	354 9	1765.9
Sandstone "with 5"-8" of congl."..	11 0	365 9	1754.9

C-

Nature of Strata	Thickness	Depth below surface	Elevation + 2000'																																	
<p>The water course between 821'10" and 832'6" brought in so much sediment that the hole was abandoned.</p>																																				
<p><b>C O A L    S E A M , 317'8"-323'0"</b></p>																																				
<p>Coal and two bands of dirt totalling 3½" gives a 5' 4" seam, 94.5% coal. Coal core was 4' 6" according to driller, 4' 3" according to W.J. Sutton. 4' 6" is 89.3% core recovery on coal in seam. Driller adds that contacts were recovered perfectly and that the coal showed fractures veneered with calcite films. He states that the coal dirt was not recovered intact, the greater portion washing away.</p>																																				
<p>The 4' 3" of coal reported by Sutton were analysed with the following results:</p>																																				
<table border="0"> <thead> <tr> <th></th> <th style="text-align: center;">As received</th> <th style="text-align: center;">Dry basis</th> </tr> </thead> <tbody> <tr> <td>Moisture</td> <td style="text-align: center;">1.14</td> <td></td> </tr> <tr> <td>Volatile matter</td> <td style="text-align: center;">40.45</td> <td style="text-align: center;">40.92</td> </tr> <tr> <td>Fixed carbon</td> <td style="text-align: center;">38.44</td> <td style="text-align: center;">38.88</td> </tr> <tr> <td>Ash</td> <td style="text-align: center;">19.97</td> <td style="text-align: center;">20.20</td> </tr> <tr> <td> </td> <td></td> <td></td> </tr> <tr> <td>Sulphur</td> <td style="text-align: center;">0.57</td> <td style="text-align: center;">0.58</td> </tr> <tr> <td> </td> <td></td> <td></td> </tr> <tr> <td>Specific gravity</td> <td colspan="2" style="text-align: center;">- 1.370</td> </tr> <tr> <td> </td> <td></td> <td></td> </tr> <tr> <td>Dry, mineral-matter-free, fixed carbon</td> <td colspan="2" style="text-align: center;">-- 49.28%</td> </tr> </tbody> </table>		As received	Dry basis	Moisture	1.14		Volatile matter	40.45	40.92	Fixed carbon	38.44	38.88	Ash	19.97	20.20	 			Sulphur	0.57	0.58	 			Specific gravity	- 1.370		 			Dry, mineral-matter-free, fixed carbon	-- 49.28%				
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# 00720 (29)

R. 1 - Sec 5, Cranberry District

C-1

Canadian Collieries (Dunsmuir) Ltd.

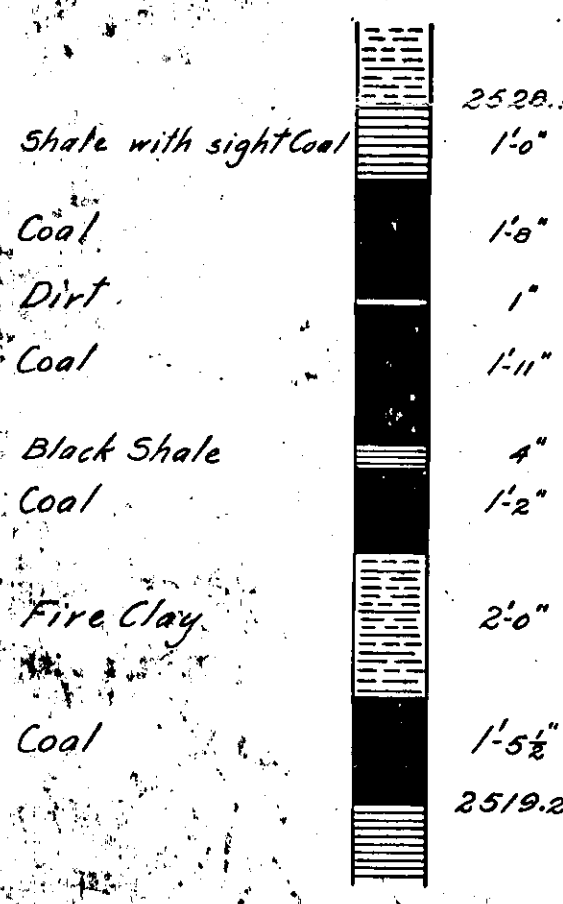
PROSPECT HOLE NO. 1

Extension District

SCALE - 1 IN = 20 FT.

(L)

Material	Section	Thickness	Depth below Surface	Elevation	Date
			0.0"	2862.5 H.W.M.	
Conglomerate		71.0"			
Shale with sight Coal		1.0"		2528.1	Jul. 31, 1910
Coal		1.8"			Aug. 1
Dirt		1"			" 2
Coal		1.11"			" 3
Black Shale		4"	71.0"	2531.5	" 4
Coal		1.2"	76.1"	2586.4	" 5
Black Shale with sight Coal		1.3"			" 6
Fireclay		5.7"			" 7
Shale with Sandstone		0.7"	103.6"	2638.9	" 8
Coal		1.9"	104.9"	2657.6	" 9
Fireclay		3.5"			" 10
Fireclay with sight Coal		2.1"			" 11
Coal		1.5 1/2"			" 12
Black Shale with sight Coal		1.0"	110.4"	2552.1	" 13
Coal		1.8"	110.11"	2557.6	" 14
Black Shale		6.11"	112.10"	2549.7	" 15
Coal		7.2"	114.27"	2547.10	" 16
Fireclay		2.0"	118.0"	2544.5	" 17
Coal		3.5"	120.1"	2543.4	" 18
Black Shale with sight Coal		1.0"			" 19
Coal		1.8"	133.71"	2528.10	" 20
Black Shale		6.11"	134.71"	2527.10	" 21
Coal		7.2"	136.31"	2526.12	" 22
Fireclay		2.0"	138.51"	2525.12	" 23
Coal		2.0"	141.91"	2523.8	" 24
Black Shale		2.0"	143.91"	2522.6	" 25
Sandstone		3.5"	145.3"	2520.6	" 26
			148.8"	2517.8	" 27
				2513.7	" 28
				513.7	Above H.W.M.





NAVYLAND 141  
**CANADIAN COLLIERIES**  
 (Dunsmuir) Ltd.

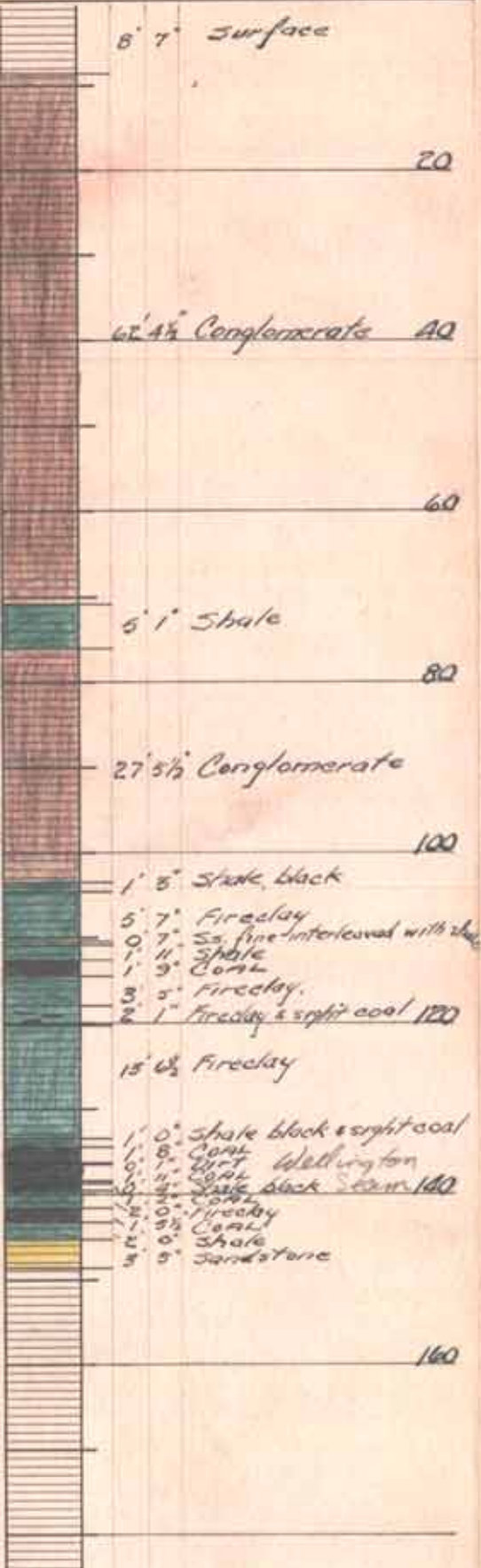
STATE	COMPANY	
COUNTY <b>RI</b>	FARM	WELL NO. <b>(C-1)</b>
BLOCK <b>SEC 5</b>	SURVEY <b>(Prospect Hole No 1, Extension District)</b>	
SEC. <b>ranberry</b>	TOTAL DEPTH <b>148' 8"</b>	
T.	R.	
CONTRACTOR		
COMMENCED <b>July 31, 1910</b>		
COMPLETED <b>Aug 23, 1910</b>		
REMARKS		
ALTITUDE <b>660.5</b>	<b>(12)</b>	
PRODUCTION		

**CASING RECORD**

**00720**

20'	B
15H'	5'
12H'	5'
SHOT	QUARTS
	BETWEEN

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



# 00720

Lot 9, Bright District

C-3

INSPECTED BY  
 Extension District

SCALE 1 IN. = 20 FT.

C-3

Material	Section	Thickness	Depth below Surface	Elevation	Date
Gravel & Boulder		3'-0"	0'-0"	2353.1	Sept. 1, 1900
Clay		12'-0"	3'-0"	2360.0	" 3
Clay & Hardpan		5'-0"	15'-0"	2530.0	" 6
Gravel (Wash)		4'-0"	20'-0"	2323.0	" 7
Sandstone Boulder		2'-0"	24'-0"	2323.0	" 9
Sandstone		4'-6"	26'-0"	2327.0	" 10
Gravel (Wash)		1'-1/2"	30'-6"	2322.4	" 12
			31'-7 1/2"	2322.0	" 15
					" 16
					" 18
					" 20
					" 21
Sandstone		97'-0"			" 23
					" 24
			-128'-8"	2225.0	" 25
Conglomerate		34'-3"			" 26
Sandstone & Shale		11'-8"	-147'-11"	2185.0	" 27
			-179'-7"	2174.0	" 29
					" 30
Shale		68'-5"			Oct. 1
Clay		4'-6"	-248'-0"	2105.0	" 3
Fire clay		16'-11"	-252'-6"	2101.0	" 3
Shale		7'-8"	-268'-7"	2084.0	" 4
Shale & Fire clay		8'-4"	-276'-3"	2077.0	" 4
Clay		11'-11"	-284'-7"	2060.0	" 5
			-296'-6"	2057.0	" 5
					" 7
					" 8
Shale		99'-6"			" 10
					" 11
			-396'-0"	1957.0	" 12
Shaly Sandstone		13'-8"			" 13
Sandstone		2'-10"	-409'-8"	1942.0	" 13
Shale		10'-8"	-412'-8"	1941.0	" 13
			-423'-0"	1930.0	" 14
Sandstone		10'-3"			" 14
Sandstone & Shale		6'-2"	-423'-3"	1920.0	" 14
Shale		10'-3"	-439'-5"	1914.0	" 15
Sandstone		3'-2"	-449'-3"	1903.0	" 15
Shale		10'-2"	-452'-10"	1500.3	" 17
Clay Shale		15'-8"	-463'-0"	1690.1	" 17
			-476'-8"	1676.4	" 18
					" 18
					" 19
Shale		107'-8"			" 20
					" 21
					" 22
Conglomerate		3'-0"	-584'-4"	1760.0	" 22
Clay Shale		5'-5"	-587'-4"	1765.0	" 22
			-592'-9"	1760.4	" 22
Conglomerate		38'-7"			" 24
					" 25
					" 26
			-631'-6"	1721.6	" 27
Shale		29'-3"			" 27
Sandy Shale		6'-0"	-660'-9"	1692.4	" 28
Shale & Sandstone		7'-9"	-666'-9"	1686.4	" 28
			-674'-6"	1670.6	" 28
Shale		39'-6"			" 29
			-714'-0"	1639.1	" 31
Clay Shale		17'-8"			" 31
Shale & Sandstone		5'-2"	-731'-8"	1621.4	" 31
Shale		20'-6"	-736'-10"	1616.3	" 31
Clay Shale		5'-1"	-757'-4"	1595.8	Nov. 1
Sandy Shale		2'-2"	-759'-5"	1590.7	" 2
			-760'-11"	1508.0	" 2

(L3)



*Remaining Capital Collieries*  
 STATE *(Dunsmuir) LTD*  
 COUNTY *LOT 9* FARM *(C-3)* WELL NO.  
 BLOCK *Bright D* SURVEY *(Prospect Hole No 3 Extension District)*  
 SEC. *(Prospect Hole No 3 Extension District)*  
 TOTAL DEPTH *764' 7"*  
 CONTRACTOR  
 COMMENCED *Sept 2, 1910*  
 COMPLETED *7 Nov 2, 1910*  
 REMARKS *all in Haslem formation, below Wellington Seam.*  
 ALTITUDE *353*  
 PRODUCTION

**CASING RECORD**

*(LH)* 10'  
 20'  
 15 1/2"  
 12 1/4"  
 SHOT QUARTS BETWEEN

**00720**

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





00720

R.R. Sec 3, Cranberry District

C-2

Canadian Collieries (Dumfriesshire) Ltd.

Extension District

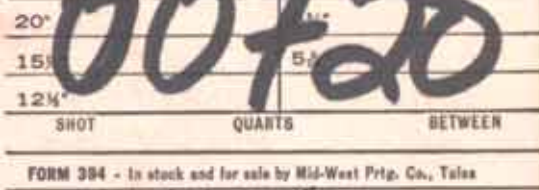
SCALE 1 IN = 20 FT.

Material	Section	Thickness	Depth below Surface	Elevation	Date		
Surface Drift		3'-0"	0'-0" 3'-0"	213.0 210.0	Aug 14-1910		
Conglomerate		72'-7"			Aug 20		
					Aug 27		
					Aug 31		
					Sept 1		
					" 2		
					" 3		
					" 6		
					" 7		
					" 8		
			Shale	1'-8"	129'-7"	2183.4	" 9
			Conglomerate	5'-7"	131'-3"	2181.8	" 10
			Shale	0'-2"	136'-10" 137'-0"	2174.3 2174.0	" 13
							" 14
							" 16
				" 17			
				" 19			
				" 20			
				" 21			
				" 22			
Conglomerate		93'-0"			" 24		
					" 26		
					" 26		
					" 27		
					" 28		
					" 29		
					" 30		
					Oct 1		
Conglomerate & Sandstone		3'-3"	230'-0"	2083.0	" 3		
			233'-3"	2073.7	" 4		
Conglomerate		36'-9"			" 5		
					" 6		
					" 7		
					" 10		
					" 11		
Shale with slight Coal		6'-6"	270'-6"	2043.0	" 12		
Shale & Sandstone		4'-0"	276'-6"	2034.5	" 13		
Shale with slight Coal		2'-0 1/2"	280'-6"	2032.5	" 13		
Coal		2'-0"	282'-6"	2030.5	" 14		
Shale		2'-0"	283'-9" 285'-1"	2025.3 2027.3	" 14		
Shale		10'-11"			" 17		
Coal		1'-9"	296'-8" 298'-5"	2016.4 2014.4	" 18 " 20		
Shale		21'-9.5"			" 21		
Coal Sandstone		2'-16.5" 2'-0"	320'-2.5"	1982.8	" 22		
			323'-2"	1983.8	" 24		
			325'-2"	1987.3	" 25		

(LS)

B.H. 2 - Monrovia  
**CANADIAN COLLIERIES**  
 STATE *(Dunsmuir)*  
 COMPANY  
 COUNTY FARM WELL NO. **C-2**  
 BLOCK *R 2* SURVEY *(Prospect Hole No 2)*  
 SEC. *Sec 3* *Extension District*  
 T. R. TOTAL DEPTH *325' 2"*  
 CONTRACTOR  
 COMMENCED *Aug 14, 1910*  
 COMPLETED *Oct 25, 1910*  
 REMARKS  
 ALTITUDE *313*  
 PRODUCTION **(Lb)**

CASING RECORD



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





C-4

Canadian Collieries (Dunsmuir), Ltd.

PROSPECT HOLE NO. 4.

Extension District.

00720

SCALE 1 IN. = 20 FT.

(LX)

Material.	Section	Thickness	Depth below Surface	Elevation	Date.
			0'-0"	2507.6	Sept. 1-1910
					" 2
					" 3
Conglomerate		39'-1"			" 6
					" 7
					" 8
					" 9
					" 10
					" 11
Black Shale		0'-2"	39'-4"	2468.5	" 12
			39'-3"	2468.3	" 13
					" 14
					" 15
					" 16
Conglomerate		40'-6"			" 27
					" 28
					" 29
					" 30
					Oct. 1
					" 3
					" 4
Black Shale with Coal.		1'-2"	79'-9"	2427.7	" 5
Fireclay		4'-5"	80'-11"	2424.5	" 6
Fireclay & slight Coal.		3'-7"	85'-2"	2422.2	" 7
			88'-11"	2418.8	" 11
Fireclay		6'-7"	95'-6"		
Black Shale		0'-4"	95'-10"	2412.0	
Coal.		1'-11"	97'-9"	2411.8	" 12
Fireclay		4'-7"	102'-4"	2409.9	
Black Shale		1'-5"	107'-4"	2405.2	
			103'-9"	2403.9	
Sandy Shale		6'-2"			
Black Shale		3'-3"	104'-11"	2397.7	" 13
Coal		2'-0"	113'-2"	2394.4	
Fireclay		3'-8"	115'-2"	2392.4	" 14
Black Shale		1'-2"	116'-10"	2389.8	" 15
Fireclay Black Shale		2'-6"	120'-0"	2387.6	
Coal		2'-11"	122'-6"	2385.2	
Sandstone		2'-8"	124'-8"	2384.7	" 17
			124'-8"	2380.2	
				310	



*Nansimo - B.H. 4*  
**CANADIAN CALIFORIES**  
**(OUNSHUR) LTD.**

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

COUNTY *Sec 5* FARM *C-4* WELL NO. \_\_\_\_\_

BLOCK *R 2* SURVEY *(Prospect Hole No. 4)*

SEC. *Embury D* Extension District

T. \_\_\_\_\_ R. \_\_\_\_\_ TOTAL DEPTH *127' 4"*

CONTRACTOR \_\_\_\_\_

COMMENCED *Sept 1 1910*

COMPLETED *Oct 17, 1910*

REMARKS \_\_\_\_\_

ALTITUDE *507.6*

PRODUCTION \_\_\_\_\_

**CASING RECORD**

10"  
 8"  
 6"  
 5"  
 20"  
 15 1/2"  
 12 1/2"

**00720**

SHOT QUARTS BETWEEN

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

	21' 10"	Conglomerate	20
	12' 4"	Conglomerate, broken.	
	0' 2"	Shale, black.	40
	25' 0"	Conglomerate, broken	
	6' 8"	Conglomerate	60
	4' 6"	Conglomerate, broken	
	11' 3"	Conglomerate	
	1' 2"	Shale, black, slight coal	80
	2' 10"	Sandy shale	
	0' 7"	Fireclay	
	3' 7"	Fireclay, slight coal	
	2' 3"	Sandy shale	
	3' 9"	Fireclay	
	0' 4"	Shale, black.	
	1' 11"	Coal	
	5' 9"	Fireclay	100
	1' 5"	Shale, black, slight coal	
	6' 2"	Sandy shale	
	2' 2"	Shale	
	2' 6"	Shale black, slight coal	
	2' 6"	Chalky dirt.	
	2' 6"	Coal	
	2' 6"	Spale rock	
	4' 2"	Fireclay	
	2' 2"	Shale, black	120
	8' 8"	Fireclay	
	5' 8"	Shale, black	
	11' 2"	Coal	
	2' 2"	Shale black	Wellington
	8' 8"	Sandstone	Seam
			140

# 00720

Condon Collieries (Dunsmuir)

Sec. 9, T. 2, R. 10, W. 1  
C-5

## PROSPECT HOLE N<sup>o</sup> 5

Extension District

C-5

Scale 1" = 20'

Material	Section	Thickness	Depth Below Surface	Elevation	Date
			Surface	2686.7	Oct 20/10
				2687.7	WK 1
					Oct 30
					31
					Nov 3
					41
					5
					6
					7
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					9
					10
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					23
					24



Noraino - B.H. 5  
~~CAMPBELL COLLECTOR~~  
 STATE (Dunsmuir) Ltd.  
 COUNTY SEC. 9 FARM (C-5) WELL NO.  
 BLOCK R 2 SURVEY (Prospect Hole No 5)  
 REC. Ranbury Extension District  
 T. R. TOTAL DEPTH 441' 7"  
 CONTRACTOR  
 COMMENCED Oct. 22, 1910  
 COMPLETED May 3, 1911  
 REMARKS  
 ALTITUDE 586.7  
 PRODUCTION (L10)

CASING RECORD

10'	00720	10'
20'		8 1/2"
15 1/2'		8 1/2"
12 1/2'		Core 1 1/2"
BHPT	QUARTS	BETWEEN

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





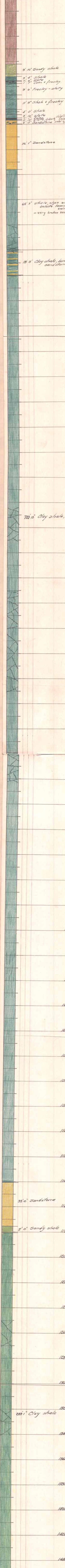
Northmo B.H. 6  
 CANADIAN CALIBRES  
 (Quebec) Ltd.

STATE	COMPANY	BELL NO.
COUNTY	FARM	(C-6)
BLOCK	SURVEY	(Prospect Hole No 6)
SEC.	EXTENSION DISTRICT	
T.	TOTAL DEPTH	1475' 6"
CONTRACTOR	COMMENCED	7008 1910
COMPLETED	REMARKS	(Oct 31, 1911)
ALTITUDE	PRODUCTION	(L1)

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

00720

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





C-7

Sec. 1, R. 2, Cranberry District

C-7

# 00720

Canadian Collieries (Dunsmuir) Ltd.

**PROSPECT HOLE N° 7**

Extension District

Section N° 20

(13)

Material	Section	Thickness	Depth below Surface	Elevation	Date
			0'-0"	2645.5	Nov 12 1911
					15
Conglomerate		57'-10"			16
					17
					18
Shale		1'-6"	57'-10"	2587.7	19
			59'-4"	2586.2	
					21
Conglomerate		44'-2"			22
					23
Sandy Shale		5'-0"	103'-6"	2542.0	
			108'-6"	2537.0	24
Conglomerate		22'-1"			25
					26
Shale		7'-9"	130'-7"	2514.9	
			138'-4"	2507.2	
Conglomerate		21'-4"			28
					29
Shale		8'-10"	159'-8"	2485.8	
			168'-6"	2477.0	30
					Dec 1
					2
Conglomerate		75'-1"			3
					5
					6
					7
					8
Sandstone, Benas		4'-1"	243'-7"	2401.3	
			247'-8"	2397.8	9
					10
					12
					13
					14
					15
					16
Conglomerate		119'-3"			17
					19
					20
					21
					22
					23
			366'-11"	2278.6	Jan. 1 1911
					4
					5
					6
					7
					9
					10
					11
Clay Shale		364'-7"			12
					13
					14
					16
					17
					18
					19
					20
			791'-6"	2014.0	
Sandy Shale		22'-1"			21
			753'-7"	1891.9	22
					23
					24
Clay Shale		158'-11"			25
					26
					27
					28
					30
			912'-6"	1733.0	31



**NANAIMO**  
**CANADIAN COLLIERIES**  
**(DUNSMUIR) LTD.**

STATE: \_\_\_\_\_ COMPANY: **BCP**

COUNTY: **SC1** FARM: **C-7** WELL NO.: \_\_\_\_\_

BLOCK: **RC** SURVEY: **(Prospect Hole No. 7)**

SEC. **(Carberry)** EXTENSION DISTRICT

T. \_\_\_\_\_ R. \_\_\_\_\_ TOTAL DEPTH: **912' 6"**

CONTRACTOR: \_\_\_\_\_

COMMENCED: **Nov. 12, 1910**

COMPLETED: **Jan 3, 1911**

REMARKS: **(L3)**

ALTITUDE: **645.5'**

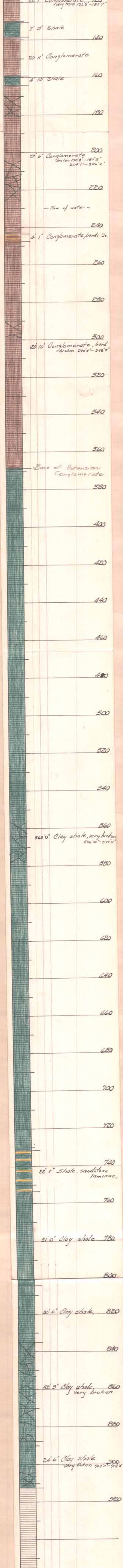
PRODUCTION: \_\_\_\_\_

**CASING RECORD**

10"  
 3"  
 5 1/4"  
 12 1/4" SHOT QUARTS BETWEEN

**00720**

FORM 304 - In stock and for sale by Mid-West Prtg. Co., Tulsa



# 00720

Sec. 5, R. 2, Cranberry District.

C-8

(LH)

Canadian Collieries (Dunsmuir) Ltd.

PROSPECT HOLE NO. 8.

Extension District

SCALE 1 IN. = 20 FT.

Material	Section	Thickness	Depth below Surface	Elevation	Date	
Conglomerate		56'-8"	0'-0"	2466.7	Feb 1-1911.	
			Feb 1-1911.			
			" 3 "			
			" 4 "			
			" 6 "			
			" 7 "			
			" 8 "			
			" 15 "			
			" 16 "			
			56'-8"	2410.0	" 16 "	
			Shale	8'-7"	2401.4	" 17 "
			Coal <small>SIMPLE SAND</small>	1'-3"	2400.1	" 18 "
			Fire Clay	1'-7"	2399.5	" 19 "
					2397.7	
			Shale	8'-10"	2388.9	" 21 "
Sandy Shale	0'-8"	2388.2				
Fire Clay	1'-3"	2387.4				
Shale	1'-2"	2386.1				
Fire Clay	2'-4"	2384.7	" 22 "			
		2382.6				
Shale	5'-5"					
Coal <small>SAND</small>	0'-11"	2373.1				
	0'-5"	2373.2				
		2371.8	" 23 "			
Sandstone	13'-6"					
		108'-2"	2358.5	" 24 "		



Nanaimo B.H. - 8  
 CANADIAN CALORIES  
 (Dunsmuir) Ltd.

STATE	COMPANY
COUNTY Sec 5.	FARM
BLOCK R 2	WELL NO. C-8
SEC. Zanberg D	SURVEY (Prospect No 108) Extension District.
T. R.	TOTAL DEPTH 108' 2"
ALTITUDE 466.7	CONTRACTOR
PRODUCTION	COMMENCED Feb 1, 1911
	COMPLETED Feb 24, 1911
	REMARKS LIS

CASING RECORD

10"		
8"		
20"		
15"		
12"		
SHOT	QUARTS	BETWEEN

00720

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



EXTENSION DISTRICT

00720

Scale 1"=20'

MATERIAL	SECTION	THICKNESS	DEPTH BELOW SURFACE	ELEVATION	DATE
Surface Gravel		8'-6"	5'-0"	-767'0"	
Conglomerate				-114'	
				-144'	
				-154'	
				-164'	
				-174'	
				-184'	
				-194'	
				-204'	
Clay Shale Sandstone			125'-3"	-244'	
			130'-11"	-254'	
Conglomerate			134'-1"	-264'	
				-274'	
				-284'	
				-294'	
				-304'	
				-314'	
				-324'	
				-334'	
				-344'	
				-354'	
				-364'	
				-374'	
				-384'	
				-394'	
			Hard Sandstone		
436'-11"	-414'				
Conglomerate				-424'	
				-434'	
				-444'	
				-454'	
				-464'	
				-474'	
				-484'	
				-494'	
				-504'	
				-514'	
				-524'	
				-534'	
				-544'	
				-554'	
			Clay Shale		
689'-0"	-574'				
Shale				-584'	
				-594'	
				-604'	
				-614'	
				-624'	
				-634'	
				-644'	
				-654'	
				-664'	
				-674'	
				-684'	
				-694'	
				-704'	
				-714'	
			Conglomerate		
	-734'				
	-744'				
	-754'				
	-764'				
	-774'				
	-784'				
	-794'				
	-804'				
	-814'				
	-824'				
	-834'				
	-844'				
	-854'				
Clay Shale Sandstone					
			1182'-4"	-874'	
Conglomerate			1184'-8"	-884'	
				-894'	
				-904'	
				-914'	
				-924'	
				-934'	
				-944'	
				-954'	
				-964'	
				-974'	
				-984'	
				-994'	
				-1004'	
				-1014'	
			Sandstone		
1376'-6"	-1034'				
Shale				-1044'	
				-1054'	
				-1064'	
				-1074'	
				-1084'	
Shale			1572'-0"	-1094'	
				-1104'	



STATE MISSISSIPPI COUNTY DELAWARE WELL NO. C-9  
 COMPANY COOPER & CO. (DUMMUS)  
 FARM 51  
 SURVEY Block 87 (Map of Hwy. 22-9)  
 BLOCK 87 SECTION 15 RANGE 15 DISTRICT Extension District  
 TOTAL DEPTH 1572' 0"  
 CONTRACTOR J. H. 10, 1911  
 COMMENCED June 27, 1911  
 COMPLETED (L17)  
 REMARKS  
 ALTITUDE  
 PRODUCTION

CASING RECORD

20" 8" 00720  
 15 1/2" 5 1/2"  
 12 1/4" 5 1/2" 1 1/2" core  
 SHOT QUARTS below BETWEEN 2 1/4" 1"

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





# 00720

Canadian Collieries (Dunsmuir) Ltd.

PROSPECT HOLE NO. 10

Extension District

(L18)

SCALE 1 IN. = 20 FT.

Material	Section	Thickness	Depth below Surface	Elevation	Date
			0'-0"	2172.0	June 9-1911
Surface Drift		28'-0"			" 9 "
			28'-0"	2144.0	" 10 "
					" 15 "
Sandy Shale		22'-0"			" 17 "
			50'-0"	2122.0	" 19 "
					" 20 "
Conglomerate		42'-0"			" 21 "
					" 22 "
					" 23 "
					" 24 "
			92'-0"	2080.0	" 26 "
Shale		5'-0"	97'-0"	2075.0	" 27 "
					" 28 "
					" 29 "
					" 30 "
					July 1-1911
					" 3 "
					" 4 "
					" 5 "
					" 6 "
					" 7 "
					" 8 "
					" 10 "
					" 11 "
					" 12 "
					" 13 "
					" 14 "
					" 15 "
					" 16 "
					" 17 "
					" 18 "
					" 19 "
					" 20 "
					" 21 "
					" 22 "
					" 23 "
					" 24 "
					" 25 "
					" 26 "
					" 27 "
					" 28 "
					" 29 "
					" 31 "
					Aug 1-1911
					" 2 "
					" 3 "
					" 4 "
					" 5 "
					" 6 "
					" 7 "
					" 8 "
					" 9 "
					" 10 "
					" 11 "
					" 12 "
					" 14 "
					" 15 "
					" 16 "
					" 17 "
					" 18 "
					" 19 "
					" 21 "
					" 22 "
					" 23 "
					" 24 "
					" 25 "
					" 26 "
					" 28 "
					" 29 "
			284'-0"	1888.0	" 30 "
Sandy Shale		8'-0"		1880.0	" 31 "
Coal		2'-0"	292'-0"	1878.0	Sept 2-1911
Rosh (some coal)		7'-0"	299'-0"	1877.0	" 3 "
Coal & Dirt (mixed)		2'-0"	297'-0"	1875.0	" 4 "
Sandy Shale		2'-0"	299'-0"	1873.0	" 5 "
Sandstone		6'-0"		1867.0	" 6 "
			305'-0"		" 7 "
					" 8 "
Conglomerate		14'-0"			" 9 "
				1853.0	" 10 "
				1852.0	" 11 "
Sandy Shale Coal		1'-0"	319'-0"	1851.8	" 12 "
Sandy Shale		4'-0"	323'-0"	1850.0	" 13 "
Sandstone		5'-0"		1845.0	Sept 14-1911
			327'-0"		" 14 "





Naraino B.H. 10  
 CANADIAN COLLIERIES  
 (DUNSMUIR) LTD.

STATE	COMPANY	
COUNTY	FARM	WELL NO.
Sec 5		C-10
BLOCK	SURVEY	
R. 5	(Prospect Hole No 10)	
SEC.	Extension District	
T. R.	TOTAL DEPTH	
	327' 0"	
CONTRACTOR		
COMMENCED June 9 1911		
COMPLETED Sept. 14, 1911		
REMARKS		
(12)		
ALTITUDE	PRODUCTION	
172		

CASING RECORD

00720

20°	5 ft	
15H°	5 ft	
12H°		
SHOT	QUARTS	BETWEEN

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





121

W-121u

00720 (31)

(4)

WESTERN FUEL CO.  
NO. 1 MINE

BORE HOLE 121-UNDERGROUND  
South side, No. 1 Mine

Scale: 1 inch = 20 feet.

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
		0' 0"	Collar of hole	
	1' 6"	1' 6"	Shale, soft, broken, and coal.	Datum - 2000' below M.S.L.
	2' 0"	3' 6"	Shale, with hard rock bands.	
	10' 6"	14' 0"	Hard white rock.	
	9' 6"	23' 6"	Sandstone, hard, fine.	
	1' 0"	24' 6"	Shale, hard.	
	3' 0"	27' 6"	Sandstone, hard.	
	3' 0"	30' 6"	Sandstone.	
	1' 6"	32' 0"	Shale.	
	2' 0"	34' 0"	Sandstone, fine.	
	8' 0"	39' 0"	Sandstone.	
	1' 6"	40' 6"	Sandstone, fine.	
	3' 0"	43' 6"	Shale.	
	3' 0"	46' 6"	Shale, soft, dark.	
	2' 0"	48' 6"	Shale, dark, coal mks.	
	1' 6"	50' 0"	Shale, soft.	
	1' 0"	51' 0"	Shale.	
	0' 9"	51' 9"	Sandstone.	
	10' 9"	62' 6"	Shale.	
	12' 6"		Sandstone, fine.	
		75' 0"		
	17' 0"		Shale.	
		92' 0"		
	3' 0"	95' 0"	Sandy shale.	

Drilled: Sept. 8 - Oct. 8, 1921.  
By: W. H. Wall.

WESTERN FUEL CO.  
NO. 1 MINE

BORE HOLE 122-UNDERGROUND

In pillar between No.'s. 1 & 2 E. Levels and No.'s. 3 & 4 S. Headings, No. 1 Mine, S. side.  
(W. F. co-ords, S. 10,338, E. 16373)  
Scale: 1 inch = 20 feet.

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION.
		0' 0"	— Collar of hole —	1058.±
	2' 0"	2' 0"	COAL, soft.	Datum -
	2' 0"	4' 0"	COAL and shale.	2000' below M.S.L.
	3' 6"	7' 6"	Shale.	1050.5
	4' 0"	11' 6"	Conglomerate, coarse.	1046.5
	2' 6"	14' 0"	Conglomerate.	1044.0
	1' 0"	15' 0"	Sandstone.	1043.0
	0' 6"	15' 6"	Conglomerate.	1042.5
	5' 9"	21' 3"	Conglomerate, hard.	1036.8
	0' 3"	21' 6"	Conglomerate, hard, with coarse pebbles.	1036.5
	1' 0"	22' 6"	Conglomerate, hard, coarse.	1036.5
	2' 6"	25' 0"	Conglomerate.	1033.0
	0' 9"	25' 9"	Sandstone, fine.	1032.3
	2' 6"	28' 3"	Sandstone with pebbles.	1029.8
	2' 9"	31' 0"	Sandstone.	1027.0
	6' 0"	37' 0"	Sandstone, soft.	1021.0
	5' 6"	42' 6"	Sandstone.	1015.5
	6' 0"	48' 6"	Sandstone, soft, coal partings, 43'-48' showing beds lying about level.	1009.5
	1' 6"	50' 0"	Shale.	1008.0
	6' 6"	56' 6"	Sandstone, with thin bands of shale.	1001.5
	0' 6"	57' 0"	Conglomerate.	1001.0
	1' 0"	58' 0"	Conglomerate, coarse.	1000.0
	1' 6"	59' 6"	Conglomerate, with hard sandstone.	998.5
	7' 6"	67' 0"	Sandstone, with pebbles.	991.0
	7' 6"	74' 6"	Sandstone.	983.5
	1' 0"	75' 6"	Conglomerate.	982.5
	1' 0"	76' 6"	Sandstone, with pebbles.	981.5
	2' 6"	79' 0"	Conglomerate, soft.	979.0
	3' 0"	82' 0"	Conglomerate.	976.0
	2' 0"	84' 0"	Conglomerate, soft.	974.0
	2' 0"	86' 0"	Conglomerate.	972.0

Drilled: Oct. 12 - Dec. 8, 1921.  
By: W. H. Wall.



WESTERN FUEL CO.  
NORTHFIELD

BORE HOLE 123

On Brown Estate, 1400' W., 150' S. of NE. cor. of S.17, R.8, Mtn. Dist.  
(W. F. co-ords., S.1304.05, W.4876.93)  
Scale: 1 inch = 20 feet

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
		0' 0"	Collar of hole	2301.10
	1' 3"	1' 3"	Casing	Datum -
	1' 3"	3' 0"	Loam	2000' below M.S.L.
	2' 0"	5' 0"	Gravel	2296.10
	22' 0"		Gravel and hardpan with boulders.	
	5' 0"	27' 0"	Gravel and boulders.	2274.10
	5' 0"	32' 0"	Gravel.	2269.10
	5' 0"	37' 0"	Gravel and sandy clay.	2264.10
	9' 0"	42' 0"	Clay, sand and gravel.	2259.10
	14' 0"	51' 0"	Sand and clay.	2250.10
		65' 0"		2236.10
	28' 0"		Clay and sand.	
	5' 3"	93' 0"	Gravel and sand.	2208.10
		98' 3"		2202.85
	58' 9"		Conglomerate.	
		157' 0"		2144.10
	7' 0"	164' 0"	Sandstone with pebbles.	2137.10
	2' 0"	166' 0"	Conglomerate.	2135.10
	34' 0"		Shale.	
		200' 0"		2101.10
	63' 0"		Conglomerate.	
		263' 0"		2038.10
	9' 0"		Shale.	
	0' 6"	272' 0"	Shale and COAL.	2029.10
		272' 6"		2028.60
	31' 0"		Shale.	
	1' 0"	303' 6"	COAL and shale.	1997.60
	1' 6"	304' 6"	Shale.	1996.60
	4' 0"	306' 0"	Sandy shale.	1995.10
		310' 0"		1991.10
	37' 0"		Conglomerate.	
	3' 0"	347' 0"	Sandstone with pebbles.	1954.10
	10' 6"	350' 0"	Conglomerate, hard from 354'-357'	1951.10
	3' 3"	360' 6"	Shale.	1948.60
	2' 5"	363' 9"	COAL, clean and hard.	1937.35
	0' 4"	366' 2"	COAL, soft and coal.	1934.93
	0' 9"	366' 6"	Shale, dark.	1934.60
	0' 9"	367' 3"	Shale, light.	1933.85
	0' 9"	368' 0"	Sandy shale.	1933.10
	11' 0"			1922.10
	6' 0"	379' 0"	Conglomerate.	1916.10
	6' 0"	385' 0"	Conglomerate and sandstone with pebbles.	1910.10
	9' 0"	391' 0"	Sandstone with pebbles.	1901.10
	1' 1"	400' 0"	Shale, dark.	1900.02
	0' 4"	401' 1"	COAL, clean.	1899.69
	0' 1"	401' 5"	COAL and shale.	1899.60
	0' 1"	401' 6"	COAL, clean.	1899.52
	0' 5"	401' 7"	COAL and shale.	1899.10
	6' 0"	402' 0"	Shale.	1893.10
	23' 0"		Sandy shale.	
	3' 6"	431' 0"	Shale.	1870.10
	0' 4"	434' 6"	Shale and COAL.	1866.60
		434' 10"		1866.27
	11' 2"		Shale.	
	0' 1"	446' 0"	COAL.	1855.10
		446' 1"		1855.02
	28' 5"		Shale.	
	0' 6"	474' 6"	COAL and shale.	1826.60
	1' 0"	475' 0"	Shale.	1826.10
		476' 0"		1825.10
	26' 0"		Sandstone.	
		502' 0"		1799.10

Drilled: Apr. 20 - June 20, 1922.  
By: W.H. Wall.

00720  
(4)

WESTERN FUEL CO.  
NORTHFIELD

BORE HOLE 124  
1400' E., 600' S. of NE. cor., S. 20, R. 8, Mtn. Dist.  
(W. F. co-ords., N. 1894.74, W. 6245.14)  
Scale: 1 inch = 20 feet

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
		0' 0"	Collar of hole	2146.23
	13' 0"		Gravel.	Datum - 2000' below M.S.L.
	3' 0"	13' 0"	Gravel and large boulders.	2133.23
	19' 6"	16' 0"	Gravel and sand.	2130.23
		35' 6"		2110.73
	24' 6"		Sand.	
	5' 0"	60' 0"	Gravel.	2086.23
		65' 0"		2081.23
	62' 4"		Sand.	
	1' 0"	127' 4"	Hard boulder.	2018.90
		128' 4"		2017.90
	17' 8"		Sand.	
		146' 0"		2000.23
	31' 0"		Sand and gravel.	
		177' 0"		1969.23
	16' 0"		Clay and sand.	
		193' 0"		1953.23
	15' 0"		Sand with clay.	
	3' 0"	208' 0"	Clay and sand.	1938.23
	3' 0"	211' 0"	Clay with boulders.	1935.23
		214' 0"		1932.23
	11' 0"		Conglomerate, soft, rotten.	
	4' 6"	225' 0"	Conglomerate	1921.23
	6' 6"	229' 6"	Sandstone with pebbles.	1916.73
		236' 0"		1910.23
	78' 0"		Conglomerate.	
		314' 0"		1832.23
	17' 0"		Sandstone.	
		331' 0"		1815.23
	14' 0"		Sandy shale.	
	2' 0"	345' 0"	Sandstone.	1801.23
	0' 1"	347' 0"	COAL.	1799.23
	8' 11"	347' 1"	Sandstone.	1799.15
		356' 0"		1790.23
	10' 0"		Sandy shale.	
		366' 0"		1780.23
	29' 6"		Conglomerate.	
	1' 3"	395' 6"	Shale.	1750.73
	3' 3"	396' 9"	Sandstone.	1748.48
		400' 0"		1746.23
	21' 6"		Conglomerate.	
		421' 6"		1724.73
	17' 0"		Shale.	
	0' 1"	438' 6"	COAL.	1707.73
	5' 5"	438' 7"	Shale.	1707.65
		444' 0"		1702.23
	12' 0"		Sandy shale.	
		456' 0"		1690.23
	10' 0"		Shale, coal mags. at 461'	
		466' 0"		1680.23
	7' 0"		Sandstone.	
		473' 0"		1673.23
	50' 6"		Conglomerate.	
	4' 9"	523' 6"	Shale.	1622.73
	0' 9"	528' 3"	Shale, dark.	1617.98
	2' 0"	529' 0"	Shale.	1617.23
		531' 0"		1615.23
	16' 0"		Conglomerate.	
		547' 0"		1599.23
	16' 0"		Shale.	
	7' 6"	563' 0"	Sandy shale.	1583.23
		570' 6"		1575.73
	19' 9"		Conglomerate.	
	3' 11"	590' 3"	Shale.	1555.98
	12' 6"	594' 2"		1552.06
	0' 3"	606' 8"	Sandy shale.	
	3' 3"	606' 11"	Shale, dark.	1539.56
	0' 8"	610' 2"	COAL and shale.	1539.51
	1' 9"	610' 10"	Shale.	1536.06
	2' 4"	612' 7"	Sandstone.	1535.39
	6' 5"	614' 11"	Sandy shale.	1533.64
	3' 2"	621' 4"	Sandstone.	1531.31
		624' 6"	Sandy shale.	1524.89
				1521.73
	18' 4"		Sandstone.	
		642' 10"		1503.40
	14' 1"		Sandstone, white, with mags.	
		656' 11"		1489.32
	14' 7"		Sandstone.	
		671' 6"		1474.73



WESTERN FUEL CO.  
NORTHFIELD

BORE HOLE 125

On Can. Expl. prop., S. 1/4, N. 1/4, E. 1/4, S. 1/4, R. 8, Mtn. Dist.  
(W. F. Co-ords, N. 1074.45, W. 2853.98)

Scale: 1 inch = 20 feet

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
		0' 0"	Collar of hole	2146.23
	4' 0"	4' 0"	Sandy loam.	Datum
	12' 0"		Hard pan.	2000' below M.S.L.
		16' 0"		2130.23
	39' 0"		Gravel, fine and sand.	
		55' 0"		2091.23
	73' 6"		Clay and sand, large boulders at 122' and 125'.	
	3' 3"	128' 6"	Boulders.	2017.23
		131' 9"		2014.23
	56' 9"		Sandy shale.	
		188' 6"		1957.73
	18' 6"		Sandstone.	
		207' 0"		1939.23
	6' 0"	213' 0"	Sandy shale.	1933.23
	22' 6"		Shale, dark.	
		235' 6"		1910.73
	112' 9"		Conglomerate.	
	1' 9"	348' 3"	Sandy shale.	1797.98
	5' 0"	350' 0"	Sandstone.	1796.23
		355' 0"		1791.23
	13' 6"		Sandy shale.	
		368' 6"		1777.73
	5' 0"	373' 6"	Sandstone.	1772.73
	61' 0"		Conglomerate.	
	1' 0"	440' 6"	Shale, dark.	1705.73
		441' 6"		1704.73
	28' 0"		Shale.	
		469' 6"		1676.73
	6' 3"	475' 9"	Shale, dark, coal migs.	1670.48
	9' 3"		Shale.	
		485' 0"		1661.23
	4' 6"	489' 6"	Sandstone, with pebbles.	1656.73
	38' 6"		Conglomerate.	
	0' 7"	528' 2"	Shale.	1618.08
	2' 2"	528' 9"	Shale, dark.	1617.48
	0' 8"	530' 11"	Shale, dark, coal migs.	1615.81
	0' 7"	531' 7"	COAL, clean.	1614.64
	0' 5"	532' 2"	Shale, dark, coal migs.	1614.06
	1' 8"	532' 7"	COAL, clean.	1613.64
	2' 11"	534' 3"	Shale.	1611.98
	5' 4"	537' 2"	Sandstone.	1609.06
		542' 6"		1603.73
	35' 6"		Conglomerate.	
	2' 4"	578' 0"	Sandstone.	1568.23
	0' 2"	580' 4"	COAL.	1565.90
	5' 9"	580' 6"	Sandstone.	1565.73
	4' 6"	586' 3"	Shale, dark.	1559.98
	0' 5"	590' 9"	COAL, clean.	1555.48
	0' 4"	591' 2"	COAL and shale.	1555.06
	0' 4"	591' 6"	COAL, clean.	1554.73
	0' 4"	591' 10"	COAL and shale.	1554.40
	0' 8"	592' 2"	Shale.	1554.07
	1' 1"	592' 10"	Shale, dark, coal migs.	1553.40
	0' 8"	593' 11"	Shale and COAL.	1552.32
	0' 4"	594' 7"	Shale, dark.	1551.65
	0' 4"	594' 11"	Shale, dark, with coal.	1551.32
	0' 4"	595' 3"	Shale, brown and coal.	1550.98
	4' 8"	595' 7"	Shale, light.	1550.65
	7' 3"	600' 3"	Shale.	1545.98
		607' 6"		1538.73
	35' 0"		Sandy shale.	
	2' 6"	642' 6"	Sandstone.	1503.73
	1' 7"	645' 0"	Sandy shale.	1501.23
		646' 7"		1499.65
	15' 5"		Sandstone.	
		662' 0"		1484.23

Drilled: Sept. 27- Nov. 23, 1922.  
By: W. H. Wall.

WESTERN FUEL CO.  
NORTHFIELD

BORE HOLE 126

S.1, Nan. Dist., 100' SE. of NE. cor., S.16, R.8, Mtn. Dist.  
(W.F. co-ords, S.1832.21, W.3023.95)  
Scale: 1 inch = 20 feet

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
		0' 0"	Collar of hole	2279.79
	5' 0"	5' 0"	Gravel and boulders.	Datum - 2000' below M.S.L.
	7' 0"		Gravel.	
	3' 0"	12' 0"	Gravel, fine	2267.79
	3' 0"	15' 0"	Gravel.	2264.79
	4' 0"	18' 0"	Gravel and boulders.	2261.79
		22' 0"		2257.79
	8' 0"		Gravel	
		30' 0"		2249.79
	15' 0"		Gravel, fine and sand.	
	2' 0"	45' 0"	Gravel and boulders.	2234.79
		47' 0"		2232.79
	54' 5"		Conglomerate.	
		101' 5"		2178.37
	5' 1"	106' 6"	Sandy shale.	2173.29
	5' 6"	112' 0"	Sandstone.	2167.79
	6' 6"	118' 6"	Conglomerate.	2161.29
	22' 4"		Sandy shale.	
		110' 10"		2138.96
	10' 0"		shale, soft.	
	1' 0"	156' 10"	shale, dark	2122.96
	3' 2"	157' 10"	Shale.	2121.96
		166' 0"		2113.79
	36' 10"		Conglomerate	
		202' 10"		2076.96
	11' 8"		Shale.	
	2"	214' 6"	COAL, clean.	2065.29
	1' 0"	215' 8"	Shale, dark, coal mks.	2064.12
	3' 10"	216' 9"	sandstone.	2063.12
		220' 6"		2059.29
	17' 0"		Sandy shale.	
	0'	237' 6"	Shale, dark.	2042.29
		238' 6"		2041.29
	14' 6"		Sandy shale.	
	5' 0"	253' 0"	Sandstone.	2026.79
		258' 0"		2021.79
	30' 0"		Conglomerate.	
	0' 8"	288' 0"	Shale, dark, coal mks.	1991.79
	12' 5"	288' 9"	Shale.	1991.12
	0' 6"	301' 1"	Shale, dark.	1978.70
	1' 2"	301' 7"	Shale, light.	1978.20
	0' 5"	302' 9"	Shale, dark.	1977.03
	0' 3"	303' 2"	Shale, dark, coal mks.	1976.61
	1' 6"	303' 5"	COAL, clean.	1976.36
	0' 2"	304' 11"	Shale, dark.	1974.86
	0' 6"	305' 1"	COAL, clean.	1974.69
	0' 3"	305' 7"	Shale, dark, coal mks.	1974.19
		305' 10"		1973.94
	22' 7"		Shale.	
	0' 6"	328' 5"	COAL, clean.	1951.36
	0' 3"	328' 11"	COAL and black shale.	1950.86
	1' 0"	329' 2"	Shale, dark, coal mks.	1950.61
		330' 2"		1949.61
	10' 10"		Shale.	
	1' 4"	341' 0"	Shale, dark.	1938.79
	0' 9"	342' 4"	Shale, dark, coal mks.	1937.46
		343' 1"		1936.71
	18' 7"		Shale.	
	0' 6"	361' 8"	Shale, dark, coal mks.	1918.13
		362' 2"		1917.63
	8' 9"		Shale.	
	0' 4"	370' 11"	Shale, dark, coal mks.	1908.88
	4' 10"	371' 3"	Shale.	1908.55
	4' 11"	376' 1"	Sandy shale.	1908.72
	0' 4"	381' 0"	Shale, dark.	1898.79
	3' 2"	381' 4"	Shale.	1898.46
		384' 6"		1895.29
	20' 6"		Sandstone with dk. streaks	
		405' 0"		1874.79

Drilled: Dec. 2, 1922 - Jan. 29, 1923.  
By: W.H.Wall.



127

W-127a

00720  
(L7)

WESTERN FUEL CO.  
NO. 1 MINE

BORE HOLE 127-UNDERGROUND

In No. 7 (Main Slope) Prospect, or Gavin's Dip, later counter to No. 5 North, 1050' inbye from Main Slope  
(W.F. Co-ords., S. 6797.98, E. 15141.96)  
Scale: 1 inch = 20 feet

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
		0' 0"	Collar of hole	1060.96
	16' 0"		Sandstone.	Datum - 2000' below M.S.L.
	18' 0"	16' 0"	Sandy shale.	1044.96
	8' 6"	34' 0"	Shale.	1026.96
	2' 0"	42' 6"	Conglomerate.	1018.46
	1' 9"	44' 6"	Shale, soft, dark.	1016.46
	0' 6"	46' 3"	Shale and COAL.	1014.71
	1' 6"	46' 9"	COAL, clean, soft.	1014.21
	2' 9"	48' 3"	Shale, soft.	1012.71
	5' 6"	51' 0"	Shale.	1009.96
	1' 0"	56' 6"	Sandstone.	1004.46
	2' 0"	57' 6"	Conglomerate.	1003.46
		59' 6"		1001.46

Drilled: Jan. 17-27, 1923.  
By: W. H. Wall.

W-128u

L8

WESTERN FUEL CO.  
NO. 1 MINE

BORE HOLE 128-UNDERGROUND

In No. 3 Dip workings, No. 3 North Level off Main Slope, No. 1 Mine  
(W.F. Co-ords., S. 4723.06, E. 13242.27)  
Scale: 1 inch = 20 feet.

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
		0' 0"	Collar of hole	1177.06
	1' 9"	1' 9"	Shale, soft, dark.	Datum -
	13' 9"		Conglomerate.	2000' below M. S. L.
	1' 0"	15' 6"	Sandstone.	1161.56
	18' 4"	16' 6"	Sandstone, fine.	1160.56
	5' 8"	34' 10"	Sandstone.	1142.23
	0' 6"	40' 6"	COAL.	1136.56
	0' 5"	41' 0"	COAL and shale.	1136.06
	0' 2"	41' 5"	COAL.	1135.64
	1' 2"	41' 7"	Shale.	1135.47
	0' 7"	42' 9"	Conglomerate.	1134.30
	2' 11"	43' 4"	Shale, soft.	1133.72
	0' 2"	46' 3"	COAL.	1130.80
	0' 4"	46' 5"	COAL and shale.	1130.63
	1' 0"	46' 9"	Shale, soft, dark, with coal markings.	1130.30
	2' 0"	47' 9"	Shale, soft, dark.	1129.30
	0' 9"	49' 9"	Sandstone.	1127.30
	3' 3"	50' 6"	Sandstone with cong- lomerate bands.	1126.56
	8' 3"	53' 9"	Conglomerate.	1123.31
	18' 0"	62' 0"	Sandstone, fine.	1115.06
		80' 0"		1097.06

Drilled: Jan. 30 - Feb. 24, 1923.  
By: W. H. Wall.



WESTERN FUEL CO.  
WAKESIAH

BORE HOLE 129  
On S.14, R.6, Five Acre Lots, S.1, Nanaimo Dist.  
(W. F. Co-ords, S.14398.46, E. 6738.95)  
Scale: 1 inch = 20 feet

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
		0' 0"	Collar of hole	2206.94
	4' 0"	4' 0"	Gravel.	Datum -
	3' 0"	7' 0"	Conglomerate, soft.	2000' below M.S.L.
	115' 0"		Conglomerate; Very coarse - 22'-24'; "loose" 43'-45', 99'-99'; broken - 118'-122' 0";	
		122' 0"		2084.94
	60' 8"		Shale; Very soft - 238'; Soft - 238' - 250'; Soft and broken with slips - 303' - 324' 5"; Soft - 324' 5" - 376' 5";	
		182' 8"		2024.27
	16' 0"		Sandy shale.	
	9' 8"	198' 8"	Sandstone.	2008.27
		208' 4"		1998.60
	231' 11"		Shale.	
		440' 3"		1766.68
	2' 7"	442' 10"	Sandstone.	1764.10
	6' 2"		Shale.	
	2' 8"	449' 0"	Sandstone.	1757.93
	5' 9"	451' 8"	Sandy shale.	1755.27
		457' 5"		1749.52
	24' 8"		Shale.	
		482' 2"		1724.77
	63' 3"		Conglomerate.	
	0' 3"	545' 5"	Shale, dark.	1661.52
	8' 4"	545' 8"	Sandy shale.	1661.27
	1' 0"	554' 0"	Sandstone.	1652.94
		555' 0"		1651.94

Drilled: Feb. 5 - Apr. 26, 1923.  
By: W.H. Wall.

130

00720

L9

W-130u

WESTERN FUEL CO.  
NO. 1 MINE

BORE HOLE 130-UNDERGROUND

On No. 3 North Level, off Main Slope, near No. 3 dips.

Scale: 1 inch = 20 feet

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
		0' 0"	Collar of hole	1258.74
	1' 0"	1' 0"	Shale, soft.	Datum - 2000' below M. S. L.
	25' 0"		Conglomerate.	
		26' 0"		1252.74
	13' 0"		Sandstone.	
		39' 0"		1219.74
	2' 4"	41' 4"	Sandstone, fine, with coal markings.	1217.41
	8' 8"		Sandstone, with band of sandy shale.	
	17' 2"	50' 0"	Sandstone.	1208.74
	0' 3"	67' 2"	Shale, brown.	1191.57
	0' 11"	67' 5"	COAL.	1191.32
	1' 0"	68' 4"	Shale.	1190.40
	0' 1"	69' 4"	Shale, brown.	1189.40
	1' 3"	69' 5"	COAL.	1189.32
	1' 0"	71' 2"	COAL, soft, with shale.	1187.57
	0' 9"	72' 2"	COAL.	1186.57
	2' 0"	72' 11"	COAL, soft, with shale.	1185.82
	1' 7"	74' 11"	Shale.	1183.82
		76' 6"		1182.24

Drilled: Feb. 26 - Mar. 15, 1923.  
By: W. H. Wall.

W-131

WESTERN FUEL CO.  
WAKESIAH

BORE HOLE 131  
On S.19, R.9, Five Acre Lots S.1, Nanaimo Dist.  
(W.F. co-ords, S.12078.97, E.7646.01)  
Scale: 1 inch = 20 feet

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
		0' 0"	Collar of hole	2108.06
	5' 0"	5' 0"	Loam and gravel.	Below -
	5' 0"	10' 0"	Clay.	2000' below M.S.L. 2098.06
	11' 0"		Sand and gravel.	
		21' 0"		2087.06
	22' 9"		Sandy shale, soft.	
		43' 9"		2064.31
	22' 11"		Sandy shale.	
	3' 4"	66' 8"	Conglomerate, soft.	2041.39
	8' 9"	70' 0"	Sandstone.	2038.06
	3' 9"	78' 9"	Sandy shale.	2029.31
	2' 0"	82' 6"	Sandstone.	2025.56
		84' 6"	Sandstone.	2023.66
	20' 6"		Conglomerate.	
	5' 4"	105' 0"	Shale.	2003.06
	3' 0"	110' 4"	Sandstone.	1997.73
	3' 8"	113' 4"	Sandy shale.	1994.73
	2' 0"	117' 0"	Sandstone, Fine.	1991.06
		119' 0"		1989.06
	40' 0"		Sandy shale.	
		159' 0"		1949.06
	25' 0"		Conglomerate.	
	6' 2"	184' 0"	Sandy shale.	1924.06
	9' 3"	190' 2"	Sandstone.	1917.89
	4' 6"	199' 5"	Sandstone with pebbles.	1908.64
	10' 9"	203' 11"	Shale.	1904.14
		214' 8"		1893.39
	20' 3"		Sandy shale.	
		234' 11"		1873.14
	22' 1"		Shale, soft-234'11"-235'11"	
		257' 0"		1851.06
	33' 8"		Sandstone, very hard- 268'-270'.	
		290' 8"		1817.39
	34' 1"		Shale.	
	2' 11"	324' 5"	Sandstone.	1783.31
		327' 8"		1780.39
	59' 8"		Conglomerate, soft and loose-334'1"-343'6".	
	6' 6"	387' 4"	Shale.	1720.72
	3' 0"	393' 10"	Sandstone.	1714.22
		396' 10"		1711.22
	43' 6"		Conglomerate.	
	5' 6"	440' 4"	Sandstone.	1667.72
	2' 0"	445' 10"	Conglomerate.	1662.22
	1' 0"	447' 10"	Sandstone.	1660.22
	6' 9"	448' 10"	Sandy shale.	1659.22
	4' 8"	455' 7"	Shale.	1652.47
		460' 3"		1647.80
	17' 3"		Sandy shale.	
	1' 0"	477' 6"	Shale, dark.	1630.56
	3' 0"	478' 6"	Shale.	1629.56
	4' 8"	481' 6"	Sandy shale.	1626.56
	12' 10"	486' 2"	Shale.	1621.89
	0' 4"	499' 0"	Shale and COAL.	1609.06
	0' 5"	499' 5"	Shale, coal markings.	1608.73
	0' 3"	499' 9"	Shale.	1608.31
	0' 4"	501' 0"	Shale and COAL.	1607.06
		501' 4"		1606.73
	16' 6"		Shale.	
	3' 0"	517' 10"	Sandy shale.	1590.23
	10' 4"	520' 10"	Sandstone.	1587.23
	6' 5"	531' 2"	Sandstone, with pebbles.	1576.90
	17' 11"	537' 7"	Conglomerate.	1570.48
	5' 0"	555' 6"	Sandstone with pebbles.	1552.56
	13' 9"	560' 6"	Conglomerate.	1547.56
	0' 9"	574' 3"	Sandstone.	1533.81
		575' 0"		1533.06
	58' 0"		Conglomerate.	
		633' 0"		1475.06
	14' 8"		Shale.	
		647' 8"		1460.39
	50' 11"		Conglomerate.	
		698' 7"		1409.47
	36' 5"		Shale.	
	2' 10"	735' 0"	Shale, dark.	1373.06
	0' 8"	737' 10"	COAL.	1370.23
	2' 8"	738' 6"	Shale.	1369.56
	6' 5"	741' 2"	Sandy shale.	1366.89
	2' 5"	747' 7"	Shale.	1360.47
	0' 10"	750' 0"	Shale, dark, with COAL.	1358.06
	0' 3"	750' 10"	Shale, brown.	1357.23
	0' 10"	751' 1"	Shale.	1356.98
	0' 10"	751' 11"	Shale, dark (and coal)	1355.32
	0' 7"	752' 9"	Shale, dark and COAL.	1354.74
	6' 9"	753' 4"	Sandy shale.	1347.99
		760' 1"		
	14' 11"		Sandstone.	
	7' 0"	775' 0"	Sandy shale with bands of sandstone.	1333.06
	13' 10"	782' 0"	Sandy shale.	1326.06
	9' 8"	795' 10"	Shale	1312.23
	23' 4"	805' 6"	Sandy shale.	1302.56
		834' 10"		1273.23
	12' 2"		Shale.	
	12' 0"	847' 0"	Shale, fossil shells.	1261.06
		859' 0"		1249.06

Drilled: May 4-July 28, 1923.  
By: W. H. Wall.



WESTERN FUEL CO.  
WOLF MOUNTAIN

## BORE HOLE 135

1139' 37 3/4" E of NW. cor., S.17, R.5, Douglas Dist.  
(W.F. Co-ords, S.29990., W.4178.)

Scale: 1 inch = 20 feet

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
		0' 0"	Collar of hole	401.35
	4' 0"	4' 0"	Soil.	
	11' 10"	15' 10"	Conglomerate.	Assumed Datum - Wolf Mountain.
	0' 10"	16' 8"	COAL, and a little shale.	
	0' 5"	17' 1"	COAL.	384.69
	0' 6"	17' 7"	COAL and shale.	384.27
	0' 10"	18' 5"	COAL.	383.77
	0' 5"	18' 10"	COAL and shale.	382.94
	0' 3"	19' 1"	COAL.	382.52
	1' 3"	20' 4"	Shale.	382.27
	0' 5"	20' 9"	COAL.	381.02
	0' 3"	21' 0"	Shale.	380.60
	3' 0"	24' 0"	Sandy shale.	380.35
				377.35
	101' 6"		Conglomerate, broken 104' - 109'.	
	2' 4"	125' 6"	Sandstone.	275.85
	0' 1"	127' 10"	Shale.	273.52
	1' 2"	127' 11"	COAL.	273.44
	11' 11"	129' 1"	Shale.	272.27
	13' 0"	141' 0"	Sandy shale (Coal mks.)	260.35
		154' 0"		247.35

Drilled: June 6-18, 1935.  
By: T. Newberry, F. Wall.

Drillers note re seam 15' 10" - 19' 1":  
"3' 3" in seam showing very little dirt."

WESTERN FUEL CO.  
WOLF MOUNTAIN

BORE HOLE 136

777' at S55°E. from NW. cor., S17, R. 5, Douglas Dist.  
(W.P. Co-ords., S. 30282., W. 4545.)

Scale: 1 inch = 20 feet

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
		0' 0"	Collar of hole	492.23
	6' 0"		Soil.	Assumed Datum - Wolf Mountain
	9' 6"	6' 0"	Shale, coal markings.	476.73
	0' 3"	15' 6"	COAL and shale.	476.48
	0' 2"	15' 9"	COAL.	476.31
	0' 6"	15' 11"	Shale.	475.81
	0' 3"	16' 5"	COAL and shale.	475.56
	4' 4"	16' 8"	Shale.	471.23
	15' 0"	21' 0"	Sandy shale.	
	7' 8"	36' 0"	Shale.	456.23
	2' 3"	43' 8"	COAL.	448.56
	1' 1"	45' 11"	Shale, black.	446.31
	4' 0"	47' 0"	Shale.	445.23
	2' 0"	51' 0"	Sandstone.	441.23
	24' 0"	53' 0"	Conglomerate.	439.23
	4' 0"	77' 0"	Shale.	415.23
	53' 6"	81' 0"	Conglomerate.	411.23
	2' 0"	134' 6"	Shale, brown, some coal.	357.73
	1' 6"	136' 6"	Shale, brown.	355.73
	0' 9"	138' 0"	Shale.	354.23
	0' 6"	138' 9"	Shale, dark.	353.48
	0' 3"	139' 3"	COAL.	352.98
	1' 0"	139' 6"	Shale, dark.	352.73
	0' 3"	140' 6"	COAL and shale.	351.73
	0' 3"	140' 9"	Shale, dark.	351.48
	1' 0"	141' 0"	Shale, light.	351.23
	3' 0"	142' 0"	Shale.	350.23
	2' 0"	145' 0"	Sandstone, coal mkg, bands of conglomerate.	347.23
	28' 0"	147' 0"	Conglomerate.	345.23
	2' 0"	175' 0"	Sandstone, with pebbles.	317.23
	77' 0"	177' 0"	Conglomerate, hard 210-220	315.23
	1' 2"	254' 0"	COAL.	238.23
	3' 10"	255' 2"	Shale, light.	237.06
	7' 0"	259' 0"	Shale, dark.	233.23
		266' 0"		226.23

Drilled: June 22 - July 20, 1935  
By: T. Newbury, F. Wall.

No 6 SH

00720 (33)

(4)

W.C.Co.  
WELLINGTON

NO 6 SHAFT  
900' SE of NW cor, Sec. 16, R. 5 Wellington Dist.

? - Mountain ?

Scale 1 inch = 20 feet

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
#68A		0' 0"	Collar of hole	2366
	55' 10"	55' 10"	Conglomerate	Datum - 2000' below M.S.L.
	7' 10"	63' 8"	Shale, grey	
	2' 10"	66' 6"	Shale, soft black	
	8' 10"	75' 4"	Shale, grey	
	13' 0"	90' 4"	Sandy Shale, grey	
	12' 7"	102' 11"	Sandy Plies	
	2' 1"	105' 0"	Sandstone	
	4' 0"	109' 0"	Conglomerate	
	16' 0"	125' 0"	Shale, blue	
	7' 0"	132' 0"	Conglomerate	
	4' 0"	136' 0"	Sandstone	
	8' 0"	144' 0"	Plies <del>Sandstone</del>	
	8' 0"	152' 0"	Sandy Shale, grey	
	2' 0"	154' 0"	Shale, soft blue	
	3' 0"	157' 0"	Sandstone, fine	
	4' 0"	161' 0"	Plies	
	1' 0"	162' 0"	Shale, soft blue	
	28' 0"	190' 0"	Sandy Shale	
	3' 0"	193' 0"	Sandstone	
	65' 5"	258' 5"	Conglomerate	
	4' 0"	262' 5"	Sandstone, blue	
	4' 7"	267' 0"	Plies, soft	
	1' 6"	268' 6"	Shale, dark	
	2' 5"	270' 11"	Coal	} 4
4	0' 6"	271' 5"	Dirt, black, soft	
	3' 8"	275' 1"	Shale, grey	
3	1' 2"	276' 3"	Shale, black & Coal	
	4' 3"	280' 6"	Shale, grey	
	1' 10"	282' 4"	Coal	} 3
	0' 4"	282' 8"	Dirt, soft black	
	3' 3"	291' 11"	Shale, grey	
	9' 0"	300' 11"	Sandstone	
2	10' 6"	311' 5"	Shale	
	2' 6"	313' 11"	Coal <del>soft dirty</del> (Dirt coal)	} 2
	1' 3"	315' 2"	Shale	
	0' 2"	315' 4"	Black shale	
	12' 10"	325' 2"	Plies sandy	
	13' 0"	350' 2"	Shale, grey	
	1' 2"	350' 4"	Dirt, soft	
	5' 6"	353' 10"	Shale, black	
1	1' 0"	354' 10"	Shale, brown	
	8' 0"	362' 10"	Coal	} 1
#68A	7' 0"	369' 10"	Sandstone	

362.10  
315.3  
47.8  
362.10

Dec 1884 - May 19 1885  
Sunk 1884  
By: Jap. Coal Co. Inc.

(Note: Sp. "WAL" - Tape line measured to floor of coal shaft [of 1884] "at")



00720

No 5 SH

(L2)

W.C. Co.  
WELLINGTON

No 5 SHAFT  
Near SE. cor. S. 20, R. 5, Mountain Dist

Scale 1 inch = 20 feet

SHAFT SUNK - MAY 20 - AUG (231' 8" on 20th)

1884

Ducks (M.M.)  
depths  
2' 8" depth  
Locality  
2' 8" into  
collar of  
shaft  
Collar  
surf 2' 8"  
Congl 41' 4"

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
#5 SH		0' 0"	Collar of hole	2364.3
	41' 4"			2364.3 - 2367' 10" = 2' 10"
		41' 4"	Conglomerate	
	3' 1"	44' 5"	Sandstone	
	2' 4"	46' 9"	Coal & Shale	
	5' 3"	52' 0"	Shale	
	2' 8"	54' 8"	Coal & Shale	
	9' 10"	64' 6"	Shale	
	1' 3"	65' 9"	Coal & Shale	
	10' 0"	75' 9"	Shale	
	30' 3"		Sandy Shale	
	3' 0"	106' 0"	Sandstone	
		109' 0"		
	30' 0"		Conglomerate	
		139' 0"		
	13' 6"		Sandy Shale	
	1' 6"	152' 6"	Black Shale	
	2' 0"	154' 0"	Hard Coal	2288.3
	1' 0"	156' 0"	Black Shale	
	14' 0"	171' 0"	Sandy Shale	
	5' 0"	176' 0"	Black Shale	
	1' 4"	177' 4"	Hard Coal	2187.0
	13' 0"		Black Shale	
	6' 8"	190' 4"	Sandstone	
	2' 0"	197' 0"	Black Shale	
	2' 0"	199' 0"	Hard Coal	2163.3
	13' 0"	201' 0"	Hard Shale	
	9' 0"	214' 0"	Dark Shale	
	8' 8"	223' 0"	Soft Shale	
	13' 0"	231' 8"	Coal	← Aug 20
	8' 0"	244' 8"	Sandstone	2120.6
#5 SH		252' 8"		

High Red  
clay  
Aug 20



(N<sup>o</sup> 1 SH)

Diamond

00720

DB-1

W.C. Co. WELLINGTON

N<sup>o</sup> 1 BORE AT N<sup>o</sup> 1 SHAFT  
About 1100' SW of No 1 shaft, Sec 5 Wellington Dist.

(L3)

Scale 1 inch = 20 feet.

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
		0' 0"	Collar of hole	Datum - 7200' below M.S.L.
	50' 6"			
		50' 6"	Cement	
	33' 0"			
		83' 6"	Sand	
	20' 5"			
		103' 11"	Conglomerate	
	4' 3"	108' 2"	Shale	
	5' 0"	113' 25"	Conglomerate	
	0' 11 1/2"	114' 2"	Sandstone	
	13' 10"			
		128' 0"	Sandstone & Conglomerate	
	0' 9"	128' 9"	Sandstone	
	8' 10"	137' 7"	Shale	
	0' 7"	138' 2"	Sandstone	
	4' 0"	142' 2"	Shale	
	1' 0"	143' 2"	Shale, sandy	
	7' 5"	150' 7"	Shale	
	4' 5"	155' 0"	Shale, light sandy	
	1' 6"	156' 6"	Shale	
	4' 3"	161' 2"	Shale (Blue)	
	6' 11"	168' 1"	Sandstone	
	57' 0"			
		225' 1"	Conglomerate	
	2' 5"	227' 6"	Conglomerate & Sandstone	
	23' 5"			
		250' 11"	Sandstone	
	3' 5"	254' 4"	Shale	
	3' 0"	257' 4"	Shale (soft)	
	6' 0"	263' 4"	Sandstone	
	18' 5"	281' 9"	Shale	
	2' 10"	284' 7"	Sandstone	
	7' 2"	291' 9"	Shale	
	2' 8"	294' 5"	Shale (soft, dark)	
	12' 3"	306' 8"	Shale (light, rotten)	
	5' 5"	312' 1"	Shale	
	0' 6"	312' 7"	Shale (dark brown)	
	1' 3"	314' 3"	Shale	
	2' 6"	316' 9"	Shale (light sandy)	
	3' 4"	326' 1"	Sandstone	
	2' 9"	328' 10"	Shale (light, sandy)	
	0' 6"	329' 4"	Shale (light)	
	0' 11"	330' 3"	Shale & Coal	
	2' 11"	333' 2"	Coal	
	0' 7"	333' 9"	Brown Shale	
	0' 5"	334' 2"	Coal	
	0' 6"	334' 8"	Brown Shale	
	0' 10"	335' 6"	Coal & Shale	
	1' 10"	337' 4"	Shale (light)	
	6' 8"	344' 0"	Shale (sandy)	
	0' 6"	344' 6"	Sandstone	
	0' 1"	344' 7"	Shale	
	23' 11"	368' 6"	Conglomerate	
	2' 0"	370' 6"	Shale (sandy)	
	0' 8"	371' 2"	Shale (black, hard) Sandy	
	34' 10"	406' 0"	Shale (sandy)	
	3' 0"	409' 0"	Shale (brown) <sup>Sh 2</sup> <sub>Below 1</sub>	
	0' 4"	409' 4"	Shale (light)	
	2' 8"	412' 0"	Shale (soft, with coal)	
	0' 2"	412' 2"	Coal	
	0' 6"	412' 8"	Shale	
	0' 2"	412' 10"	Coal	
	2' 2"	415' 0"	Shale (light)	
	1' 4"	416' 4"	Shale & Coal	
	0' 9"	417' 1"	Shale	
	2' 11"	420' 0"	Coal	
	0' 3"	420' 3"	Shale (dark)	
	0' 7"	420' 10"	Shale (light)	
	0' 10"	421' 8"	Sandstone	
	3' 2"	424' 10"	Sandstone & Shale	
	1' 2"	426' 0"	Sandstone & Plies	
	0' 8"	426' 8"	Black Shale & Coal	
	2' 0"	428' 8"	Shale (light brown)	
	1' 0"	429' 8"	Shale (sandy)	
	1' 6"	431' 2"	Shale (dark brown) <sup>with Plies</sup> <sub>Coal</sub>	
	2' 0"	433' 2"	Shale (dark, sandy)	
	25' 9"	458' 11"	Sandstone	
	0' 4"	459' 3"	Coal Matter	
	12' 4"	471' 7"	Sandstone	
	2' 0"	473' 7"	Sandstone (fossils)	
	1' 0"	474' 7"	Shale	

sketch 1' 1" 3" 7' 10" 15' 10"

4

4

X

1

20

N<sup>o</sup> 1 BH  
@  
No 1 SH

5' 5' 4  
5' 2' 6  
5' 17' 11  
25' 9

add

Sandy shale	10' 2"	458' 9"	
Sandstone, blue hard	4' 9"	459' 6"	
Main fossils	1'	460' 6"	Drilled: July & Sept 1893
Sandstone, blue	10'	470' 6"	By
Sandy shale	7'	477' 6"	
Sandy shale, dark	4' 6"	482'	631' 12
Shale	12'	494'	475' 7
Shale, dark	22' 5"	516' 5"	158' 5
Shale, black	10' 11"	527' 4"	157' 17
Main fossils	5'	532' 4"	64' 8
Conglomerate	69' 8"	602' 0"	58' 9







00720 (34)  
 No 2 bore

(L1)

W.C. Co  
 WELLINGTON

DIVER LAKE BORE  
 850' ENE of SW cor S 20, R6, Mountain Dist

Scale 1 inch = 20 feet

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
Diver L		0' 0"	Collar of hole	2354.2
	2' 0"	2' 0"	Surface	2352.2
	18' 0"		Conglomerate	2334.2
	0' 1"	20' 0"	Shale Parting	2334.1
	23' 0"	20' 1"	Conglomerate	
	5' 3"	43' 1"	Dk. grey Sandstone Plies	2311.1
	11' 0"	48' 6"	Dk brown Shale with Coal	2305.7
	1' 1"	59' 6"	Soft Coal	2294.7
	2' 9"	60' 7"	Dk. brown Shale (soft)	2292.6
	12' 1"	63' 4"	Dk. grey Sandstone	2280.9
	1' 9"	75' 5"	Soft Shale & Coal	2279.6
	1' 0"	77' 2"	Dk. soft Shale	2277.0
	1' 11"	78' 3"	Light grey Sandstone	2275.9
	6' 4"	80' 2"	Light blue Shale	2274.8
	13' 6"	86' 6"	Dk. grey Sandstone Plies	2267.7
	15' 11"	100' 0"	Dk. sandy Shale & little Coal	2254.2
	10' 10"	115' 11"	Dk grey Sandstone plies	2237.3
	3' 3"	126' 9"	Dk Shale	2227.5
	7' 4"	130' 0"	Light grey hard Conglomerate	2224.2
	0' 5"	137' 4"	Dk Shale	2217.0
	14' 4"	137' 9"	Dk. grey Sandstone Plies	2211.0
	2' 1"	152' 1"	Dk. grey Shale & S-S Plies	2200.2
	9' 2"	163' 4"	Dk. grey Sandstone Plies	2194.9
	1' 8"	165' 0"	Dk. Shale & Coal	2189.2
	1' 8"	166' 8"	Soft Coal	2187.6
	1' 9"	168' 5"	Good Coal	2185.8
	2' 7"	171' 0"	Dk. Shale & Coal	2183.2
	1' 9"	172' 9"	Dk. grey Sandstone	2181.5
	3' 6"	176' 3"	Dk. Shale & Sandstone Plies	2178.0
	2' 11"	179' 2"	Dk. soft Shale	2175.1
	1' 8"	180' 10"	Good Coal	2173.4
	0' 4"	181' 2"	Dk. brown Shale	2173.1
	2' 1"	183' 3"	Good Coal 1' 0"	2171.0
	7' 9"	191' 0"	Dark soft Shale	2162.3
	9' 9"	200' 9"	Dk. grey Sandstone Plies.	2153.5
	2' 2"	202' 11"	Dk. soft Shale	2151.3
	2' 7"	205' 6"	Soft Coal	2148.7
	5' 4"	210' 10"	Dk. soft Shale	2143.4
	0' 7"	211' 5"	Ironstone	2142.5
	4' 2"	215' 7"	Light blue Shale	2138.4
	0' 7"	216' 2"	Ironstone	2138.0
	0' 1"	216' 3"	Shale Parting	2137.9
	1' 3"	217' 6"	Dk. soft Shale	2136.7
	0' 3"	217' 9"	Shale Parting / Ironstone	2136.6
	7' 3"	225' 0"	Dk. Sandy Shale	2129.3
	8' 5"	233' 5"	Dk. grey Sandstone Plies	2120.9
	1' 1"	234' 6"	Dk. Shale	2119.8
	2' 6"	237' 0"	Good Coal	2117.2
	0' 1"	237' 1"	Shale Parting	
	1' 0"	237' 1"	Coal & Sandstone	
	20' 9"	238' 1"	Dk. grey Sandstone	2115.4
	22' 0"	258' 10"	Dk. grey Sandstone	2073.4
	0' 7"	280' 10"	Light brown soft Shale	
	2' 0"	281' 5"	Dk. Sandstone	
	1' 1"	283' 5"	Light brown Shale	
	39' 0"	284' 6"	Dk. grey Sandstone	
	0' 2"	323' 6"	Soft Parting of Shale	
	1' 5"	323' 8"	Dk. Sandstone, soft	
	1' 0"	325' 1"	Light brown Shale	
	8' 5"	326' 1"	Soft dk. grey Sandstone	
	6' 4"	334' 6"	Light soft Shale	
	3' 1"	340' 10"	Light grey Sandstone	
	0' 4"	343' 11"	Soft Shale Parting	
		344' 3"		
	39' 9"		Soft dark Sandstone	
		384' 0"		
	3' 8"	387' 8"	Sandy Shale with Spar	
	9' 4"	397' 0"	Sandy Shale	
	2' 5"	399' 5"	Dk. Sandstone Plies	
	8' 9"	408' 2"	Dk. Sandy Shale	
	33' 1"		Dk. Shale & Sandstone Plies	
		441' 3"		
	1' 2"	442' 5"	Hard light grey Sandstone	
	4' 11"	447' 4"	Light grey Sandstone Plies	
	1' 0"	448' 4"	Hard light grey Sandstone	
	266		Light Sandy Shale	
		474' 10"		
	19' 9"		Light Sandy Shale with Spar	
		494' 7"		
	0' 7"	495' 2"	Light grey Sandstone	
	4' 4"	499' 6"	Light soft Shale	
	74' 4"		Light blue Shale with Spar	
		573' 10"		



2354.2  
 148.4  
 2185.8

2354.2  
 183.2  
 2171.0

Hand  
 300' 0" - 302' 11"  
 302' 11" - 304' 4"  
 304' 4" - 305' 6"  
 305' 6" - 308' 11"  
 308' 11" - 310' 6"  
 under logs

Drilled, May 1878 - March 20, 1879  
 By: probably John Dick

old bore







00720 (35)

(L2)

**SOUTH WELLINGTON COLLIERY  
WELLINGTON**

BORE HOLE 2

1310'W, 70'N of S.E. corner; Section 19, R.4, Mountain Dist.

Scale: 1 inch = 20 feet.

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
		0' 0"	Collar of hole	2243.21
	6' 6"	6' 6"	Surface soil.	Datum +2000' below M.S.L. 2236.7
	26' 8 1/2"		Sandstone, coarse.	
		33' 2 1/2"		2209.9
	7' 0"	40' 2 1/2"	Sandstone, with pebbles.	2202.9
	16' 1 1/2"		Sandstone.	
	2' 5"	58' 4"	Shaly sandstone.	2186.7
	1' 3 1/4"	58' 9"	Sandstone, hard.	2184.3
	1' 4"	60' 0"	Shaly sandstone	2183.0
	11' 2"	61' 4"	Sandy shale	2181.7
		72' 0"		2170.5
	27' 10"		Sandstone	
		100' 4 1/2"		2142.7
	5' 8"	106' 0 1/2"	Sandstone, with shale.	2137.0
	11' 10"		Sandstone, fine.	
		117' 10 1/2"		2125.2
			Disc old well bore	
			cs. 23 ss fine 23	
			Disc	
			ss 21' 5" ss, shaly 5' 8" } 23' 10"	
			Sandstone ss 18' 7" } <del>ss 18' 7"</del>	
	46' 5"	148' 10 1/2"		2078.8
	5' 5" ss shaly	146' 1 1/2"		
	18' 7" ss			
		164' 3 1/2"		
	5' 9" ss shaly	170' 5 1/2"	Sh. dk 6' 1" ss, shaly 5' 8"	
	5' 1" shale	175' 6 1/2"	Sh. dk 6' 0" shale 5' 1"	
	28' 6"		Sh. dk Shaly ss Shoulder two logs put together again here	
	17' 3" Sh. dk			
		192' 9 1/2"		2050.3
	0' 1"	192' 10 1/2"	Sandstone, very hard.	2050.2
	2' 9"	195' 7 1/2"	Shale, dark.	2047.4
	0' 10"	196' 5 1/2"	Sandstone.	2046.6
	26' 0"		Shale.	
		222' 5 1/2"		2020.6
	9' 3 1/2"		Sandy shale.	
		231' 8 1/2"		2011.3

1 3/4  
old well bore

Just 25' fine  
for welling, bore  
just as by Disc

23 ss

18' 7" ss

5' 9" ss shaly

5' 1" shale

17' 3" Sh. dk

Drilled: April 10 - May 23, 1879.  
By:



00720

SW-3

SOUTH WELLINGTON COLLIERY  
WELLINGTON

(L3)

BORE HOLE 3

3 ch. W., 1.7 ch. S., of N.E. corner Section 18, R. 4, Mountain Dist.

Scale: 1 inch = 20 feet.

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
SWWT 3		0' 0"	Collar of hole	2208.88
	8	8	Loaf soil	Datum - 2000' below M.S.L.
	12	20	Clay	
	31		Gravel, fine	
	89' 6"	51	Surface	
	7	58	Gravel covered	
	28		"Alluvial soil"	
	1' 2"	86	cap (in block)	
	2' 4"	89' 6"	Gravel	2119.4
	15' 8"		Shale, dark.	
	5' 7"	105' 2"	Sandstone, fine.	2103.7
	2' 6"	110' 9"	Conglomerate	2098.1
	2' 9"	113' 5"	Sandstone.	2095.4
	3' 5"	116' 2"	Sandy shale.	2092.0
	1' 6"	119' 7"	Shale, dark, with coal	2089.2
	2' 2"	121' 1"	Shale, light.	2087.7
	12' 1"	123' 3"	Sandstone, fine.	2085.5
	2' 0"	135' 4"	Shale, hard, dark.	2073.4
	1' 4"	137' 4"	Shale, dark brown.	2071.4
	0' 6"	138' 8"	COAL, hard	2070.1
	1' 10"	139' 2"	Shale, dark, with coal	2069.6
	* 1' 12"	141' 0"	COAL, good (hard)	2067.8
	2' 1"	142' 12"	Shale, light, hard	2066.6
	9' 1"	144' 2 1/2"	Sandstone, fine.	2064.5
	4' 9"	153' 3 1/2"	Shale, dark	2055.4
	1' 6"	158' 1/2"	Sandy shale.	2050.6
		159' 6 1/2"		2049.1
	22' 7"		Shale, dark. shale 216 4' 1" lens shale 1' 11"	
	5' 7"	182' 1 1/2"	Sandstone, hard	2026.5
	2' 6"	187' 8 1/2"	Shale, dark	2020.9
	* (6' 9")	190' 2 1/2"	Sandstone, fine	2018.4
	0' 6"	196' 11 1/2"	Shale, dark	2011.9
		197' 5 1/2"		2011.4
	21' 9"		Sandstone.	
		219' 2 1/2"		1989.6
	22' 4"		Sandstone, light grey.	
	1' 10"	241' 6 1/2"	Shale, dark (with coal)	1967.3
	6' 8 1/2"	245' 4 1/2"	Sandstone, dark.	1965.5
	0' 10"	250' 1"	Sandy shale	1958.7
	3' 4"	250' 11"	Shale, dark, with coal.	1957.9
	10' 4"	254' 3"	Shale, 254' 3" - 202' 3" dark	1954.6
	3' 6"	264' 7"	Sandstone	1944.3
	5' 7"	268' 1"	Shale	1940.8
	2' 6"	273' 8"	Sandy shale, shaly ss	1935.2
	10' 3"	276' 2"	Sandstone, very hard	1932.7
	0' 5"	286' 5"	Shale, soft	1922.4
	1' 1"	288' 10"	Sandy shale (hard)	1922.0
	1' 1"	289' 11"	COAL, hard	1920.9
	2' 6"	289' 0"	Shale, dark, with coal.	1919.8
	2' 6"	291' 6"	COAL, hard	1917.3
	2' 2"	294' 0"	Shale	1914.8
	3' 10"	296' 2"	Sandstone	1912.6
	11' 6"	300' 0"	Conglomerate, 305' - 316' fine	1908.8
	2' 3"	311' 6"	Sandstone	1897.3
	3' 4"	313' 9"	Conglomerate, fine.	1895.0
	6' 4"	317' 1"	Sandstone	1891.7
	2' 10"	323' 5"	Shaly sandstone	1885.4
	4' 0"	326' 3"	Conglomerate	1882.6
	3' 6"	330' 3"	Sandy shale.	1878.6
	5' 10"	335' 8"	Shale, dark brown.	1875.1
		339' 7"		1869.3
	11' 8"		Shale, dark.	
	0' 9"	351' 3"	Shale, dark (with coal)	1857.6
	2' 2"	352' 0"	COAL, good, hard.	1856.8
	1' 2"	354' 2"	Shale, soft, petty coal	1854.6
	3' 8 1/2"	355' 4"	COAL, (good) hard.	1853.4
	1' 1"	359' 0 1/2"	Shale, soft.	1849.6
	2' 6"	360' 1 1/2"	COAL, (good) hard	1848.5
	0' 3"	362' 7 1/2"	Rock	1846.0
	1' 10"	362' 10 1/2"	COAL, good, hard.	1845.7
	1' 7"	364' 8 1/2"	Sandstone.	1843.9
		366' 3 1/2"		1842.3

Drilled: June 2 - Oct. 27, 1879.

By: A. Dick

366 9 1/2

6" diff. checks

2222146  
364 8  
140 0  
70 12

3 wt fine bank

4X  
3  
How to find  
364 8  
140 0  
70 12



NEW VANCOUVER COAL CO.  
HAREWOOD SE.

BORE HOLE 41  
On Harewood plains 475' W., 325' N. of S.E. cor., S.18, R.3, Cranberry Dist.  
Scale: 1 inch = 20 feet.

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
		0' 0"	Co' top of hole	
	2' 0"	2' 0"	Soil.	Datum - 2000' below M.S.L.
	23' 0"		Conglomerate.	
	3' 0"	25' 0"	Sandy shale, pebbles.	
	28' 0"	28' 0"	Conglomerate	
		56' 0"		
	23' 0"		Sandy shale	
		79' 0"		
	14' 0"		Conglomerate, very hard.	
		93' 0"		
	26' 0"		Sandy shale.	
		119' 0"		
	38' 0"		Conglomerate, very hard.	
	0' 3"	157' 0"	Shale.	
	10' 9"	157' 3"	Conglomerate, sandstone.	
	4' 0"	168' 0"	Conglomerate, very hard.	
	2' 0"	172' 0"	Sandstone.	
	8' 0"	174' 0"	Conglomerate.	
	5' 0"	182' 0"	Sandy shale.	
		187' 0"		
	39' 0"		Conglomerate, very hard.	
	0' 6"	226' 0"	Conglomerate, coal mks.	
	0' 6"	226' 6"	Shale, coal mks.	
		227' 0"		
	20' 0"		Conglomerate.	
	5' 0"	247' 0"	Sandy shale.	
	2' 0"	252' 0"	Sandstone.	
	6' 0"	254' 0"	Sandstone, conglomerate.	
		260' 0"		
	16' 0"		Conglomerate, fine.	
	4' 0"	276' 0"	Conglomerate.	
	8' 0"	280' 0"	Conglomerate, fine.	
	16' 0"	288' 0"	Conglomerate, coal mks. at 292', 293', 307'.	
	6' 0"	307' 0"	Conglomerate, sandstone.	
		313' 0"		
	20' 0"		Conglomerate.	
	1' 0"	333' 0"	Shale, brown.	
	6' 0"	334' 0"	Shale.	
	6' 0"	340' 0"	Sandstone.	
		346' 0"		
	28' 0"		Conglomerate, coal mks. at 366'.	
	4' 0"	374' 0"	Conglomerate, sandstone.	
		378' 0"		
	26' 0"		Conglomerate.	
	9' 0"	404' 0"	Conglomerate, sandstone.	
	7' 0"	413' 0"	Conglomerate.	
	2' 0"	420' 0"	Sandstone, fine.	
	4' 0"	422' 0"	Conglomerate.	
	3' 0"	428' 0"	Sandstone, conglomerate.	
		429' 0"		
	11' 6"		Conglomerate.	
	11' 3"	440' 6"	Shale, brown.	
	0' 3"	451' 9"	COAL.	
	3' 6"	452' 0"	Shale.	
	0' 3"	455' 6"	COAL.	
	11' 3"	455' 9"	Sandy shale, coal mks. at 466'.	
	0' 2"	467' 0"	Shale, dark.	
	2' 10"	467' 2"	Sandstone, black mks.	
		470' 0"		
	16' 0"		Sandstone.	
	4' 0"	486' 0"	Conglomerate.	
		490' 0"		
	234' 0"		Sandy shale, shell mks. at 520'-532', 540'-546', 582', 596', 668'.	
		724' 0"		

Drilled: May 11 - June 30, 1896.  
By: I. Emblem, - Arelson, - Michael.

NEW VANCOUVER COAL CO.  
HAREWOOD S.E.

BORE HOLE 42  
On Harewood plains, 910' W., 400' N., of S.E. cor., S.17, R.3, Cranberry Dist.

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
		0' 0"	Collar of hole	
	3' 0"	3' 0"	Gravel.	
	17' 0"	20' 0"	Conglomerate.	Datum - 2000' below M.S.L.
	10' 0"	30' 0"	Conglomerate, sandstone.	
	40' 0"	70' 0"	Conglomerate, coal mkg. at 69'.	
	2' 0"	72' 0"	Sandstone, cong. fine.	
	1' 0"	73' 0"	Shale.	
	11' 9"	84' 9"	Conglomerate.	
	0' 3"	85' 0"	Shale, very hard.	
	32' 0"	117' 0"	Conglomerate, very hard.	
	1' 0"	118' 0"	Shale, coal mkg.	
	28' 0"	146' 0"	Conglomerate, very hard.	
	17' 0"	163' 0"	Sandstone, conglomerate.	
	48' 11"	211' 11"	Conglomerate, very hard.	
	0' 1"	212' 0"	Shale, soft; coal mkg.	
	49' 0"	261' 0"	Conglomerate, very hard, coal mkg. at 216'.	
	5' 0"	266' 0"	Sandstone.	
	39' 8"	305' 8"	Conglomerate.	
	0' 8"	306' 4"	Shale.	
	3' 8"	310' 0"	Sandstone, conglomerate.	
	68' 0"		Conglomerate, very hard.	
	2' 0"	378' 0"	Shale, brown.	
	2' 9"	380' 0"	Sandy shale.	
	0' 3"	382' 9"	COAL.	
	2' 0"	383' 0"	Sandy shale.	
	0' 3"	385' 0"	COAL.	
	8' 9"	385' 3"	Sandy shale.	
	0' 0"	394' 0"	COAL.	
	1' 0"	394' 0"	Sandy shale.	
	6' 0"	400' 0"	Sandstone.	
	2' 0"	407' 0"	Shale, brown.	
	2' 0"	413' 0"	Sandy shale.	
	7' 0"	415' 0"	Shale, dark brown.	
	4' 0"	422' 0"	Shale.	
	4' 0"	426' 0"	Sandstone, brown.	
	5' 0"	430' 0"	Shale.	
	5' 0"	435' 0"	Conglomerate, fine.	
	34' 0"	469' 0"	Sandstone, coarse at 452'-454'.	
	1' 0"	1088' 0"	Conglomerate, fine.	
	46' 0"	1089' 0"	Sandstone.	
		* 1135' 0"		

\* Finished in Trapp rock office copy, drillers log.

Drilled: July 10 - Aug. 24, 1896, 327'.  
By: I. Emblem, Michael, Arelson, Hamilton.  
Resumed: Apr. 29 - June 3, 1897.  
By: I. Emblem, Michael, McGregor.



00720

W-43

NEW VANCOUVER COAL CO.  
HARBOUR

BORE HOLE 43  
On mud flats at head of Nanaimo Harbour, (W.F. co.ords. S.9188.27, E.16397.34)  
Scale: 1 inch = 20 feet.

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
		0' 0"	Collar of hole	1994.34 Datum: 2000 below M.S.L.
	53' 0"		Sand.	
	5' 0"	53' 0"	Gravel.	1941.3
	6' 0"	59' 0"	Sand and clay.	1936.3
	7' 0"	64' 0"	Hardpan.	1930.3
	4' 0"	71' 0"	Boulders and sand.	1923.3
	6' 0"	75' 0"	Hardpan and gravel.	1919.3
	31' 0"	81' 0"	Gravel and sand.	1913.3
		112' 0"		1882.3
	68' 0"		Sandy shale.	
		180' 0"		1814.3
	11' 0"	191' 0"	Sandstone, fine.	1803.3
	48' 0"		Sandstone.	
	6' 0"	239' 0"	Shale.	1765.3
		245' 0"		1749.3
	66' 0"		Sandstone.	
	10' 0"	311' 0"	Sandstone and shale.	1683.3
		321' 0"		1673.3
	47' 10"		Sandstone.	
	0' 2"	368' 10"	COAL.	1625.5
	13' 7"	369' 0"	Sandstone and shale.	1625.3
	1' 5"	382' 7"	COAL.	1611.7
	1' 0"	384' 0"	Shale.	1610.3
	4' 0"	391' 0"	Shale, with coal mkg.	1603.3
	1' 0"	392' 0"	Shale.	1602.3
	13' 7"	396' 0"	Sandstone and shale.	1598.3
	0' 5"	409' 7"	COAL.	1584.7
	4' 0"	410' 0"	Sandstone and shale.	1584.2
	4' 0"	414' 0"	Shale, black, coal mkg.	1580.2
	10' 0"	418' 0"	Sandstone.	1576.2
	3' 3"	428' 0"	Sandy shale.	1566.2
	0' 6"	431' 3"	COAL.	1562.9
	9' 3"	431' 9"	Sandstone and shale.	1562.4
	14' 0"	441' 0"	Sandstone.	1553.1
	6' 0"	455' 0"	Sandstone and shale.	1539.1
	17' 2"	461' 0"	Sandstone.	1533.1
	0' 1"	478' 2"	COAL.	1515.9
	5' 0"	478' 9"	Shale.	1515.3
	0' 3"	483' 9"	COAL.	1510.3
		484' 0"	COAL.	1510.0
	25' 0"		Sandstone.	
	2' 2"	509' 0"	Sandstone and shale.	1485.0
	0' 4"	511' 2"	COAL.	1482.6
	9' 6"	521' 6"	Sandstone.	1482.5
	6' 0"	527' 0"	Shale.	1475.0
	80' 0"		Sandstone, coal mkg.	
	2' 0"	607' 0"	Sandy shale.	1387.0
	20' 9"	609' 0"	Sandstone.	1386.0
	0' 3"	629' 9"	COAL.	1364.1
	15' 0"	630' 0"	Sandstone.	1363.8
	6' 0"	645' 0"	Sandstone + shale, coal mkg.	1348.8
	8' 0"	651' 0"	Sandstone, very hard.	1342.8
	12' 0"	659' 0"	Sandy shale, coal mkg.	1334.8
	12' 0"	671' 0"	Sandy shale.	1322.8
	12' 0"	683' 0"	Sandstone.	1310.8
	122' 0"		Sandstone, coal mkg. of 777'	
	2' 0"	805' 0"	Shale.	1189.8
	1' 0"	807' 0"	Sandstone.	1186.8
	0' 6"	808' 0"	Shale.	1185.3
	62' 6"		Sandstone.	
	20' 0"	871' 0"	Shale.	1122.8
	12' 0"	891' 0"	Sandstone and shale.	1102.8
	11' 0"	903' 0"	Sandstone.	1090.8
	13' 0"	914' 0"	Sandy shale.	1079.8
	15' 0"	927' 0"	Shale.	1066.8
	6' 0"	942' 0"	Conglomerate.	1051.8
	16' 0"	948' 0"	Conglomerate, shale bands.	1045.8
	4' 0"	964' 0"	Sandstone.	1029.8
	6' 10"	968' 0"	COAL.	1025.8
	11' 2"	974' 10"	Shale, brown.	1019.0
	1' 2"	986' 0"	Conglomerate.	1008.8
	0' 4"	987' 2"	COAL.	1007.8
	1' 6"	989' 6"	Shale with coal mkg.	1005.7
	0' 2"	989' 8"	COAL.	1005.9
	3' 10"	993' 0"	Shale.	1001.7
	4' 8"	997' 8"	Shale, brown.	997.0
	0' 4"	998' 0"	COAL.	996.7
	9' 0"	1001' 0"	Shale, brown.	993.7
	80' 0"		Shale.	
	20' 0"	1081' 0"	Sandy shale.	913.7
	16' 0"	1107' 0"	Sandstone.	887.7
	7' 0"	1123' 0"	Shale.	871.7
	5' 6"	1130' 0"	Sandstone.	864.7
	3' 0"	1135' 0"	Conglomerate.	859.2
	0' 6"	1139' 0"	Sandstone.	856.2
	1' 0"	1140' 0"	Shale.	854.7
	1' 0"	1141' 0"	Sandstone.	853.7
	1' 0"	1142' 0"	Conglomerate.	852.7
	9' 0"	1151' 0"	Sandstone.	843.7
	10' 0"	1161' 0"	Sandstone and shale.	833.7
	25' 0"		Sandstone.	
	3' 0"	1186' 0"	Conglomerate, fine.	808.7
	2' 0"	1189' 0"	Sandstone.	805.7
	17' 0"	1191' 0"	Shale.	803.7
	2' 0"	1208' 0"	Conglomerate.	786.7
	23' 0"	1210' 0"	Sandstone.	784.7
	11' 0"	1233' 0"	Conglomerate.	761.7
	1' 0"	1244' 0"	Sandstone.	750.7
	2' 0"	1245' 0"	Shale.	749.7
	1' 0"	1247' 0"	Sandstone.	747.7
	1' 0"	1248' 0"	Shale.	746.7
	3' 0"	1249' 0"	Sandstone.	745.7
	4' 0"	1252' 0"	Conglomerate.	742.7
	17' 0"	1256' 0"	Shale.	738.7
	19' 0"	1273' 0"	Sandstone.	721.7
	3' 0"	1292' 0"	Conglomerate.	702.7
	10' 0"	1295' 0"	Conglomerate.	699.7
	166' 0"		Sandstone.	
	10' 0"	1461' 0"	Conglomerate.	533.7
		1471' 0"		523.7

Drilled: Sept. 2, 1896 - Feb. 2, 1897  
By: I. Emblem.

00720

44

W-44  
L4

NEW VANCOUVER COAL CO.  
RESERVE

BORE HOLE 44  
Sect. 2, Nanaimo Dist., about 1000' W.S.W. of Nanaimo R. bridge, Reserve grade.  
Scale: 1 inch = 20 feet

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
		0' 0"	Collar of hole	
	4' 0"	4' 0"	Hardpan.	
	11' 0"	15' 0"	Sandstone, soft.	Datum - 2000' below M.S.L.
	0' 10"	15' 10"	Coal and shale.	
	9' 5"	25' 3"	Sandstone.	
	0' 5"	25' 8"	COAL.	
	0' 4"	26' 0"	Shale.	
	9' 3"	35' 3"	Sandstone + sandy shale.	
	4' 0"	39' 3"	Conglomerate, fine.	
	60' 0"		Sandstone, fine, hard, like shale.	
	1' 10"	99' 3"	Sandstone, fine, hard.	
	0' 2"	101' 1"	Coal and shale.	
	12' 10"	101' 3"	Sandstone, fine, hard.	
	0' 2"	114' 1"	Coal and shale.	
	25' 0"	114' 3"	Sandstone.	
	33' 0"	139' 3"	Sandstone, white.	
	7' 0"	172' 3"	Sandstone, dark.	
	9' 0"	179' 3"	Sandstone, white.	
	0' 2"	188' 3"	Shale.	
	0' 3"	188' 5"	COAL.	
	0' 2"	188' 8"	Shale.	
	6' 5"	188' 10"	Sandstone, white.	
	18' 4"	195' 3"	Sandy shale.	
	0' 2"	213' 7"	Shale.	
	0' 10"	213' 9"	COAL.	
	0' 3"	214' 7"	Shale.	
	14' 5"	214' 10"	Shale and sandstone.	
	10' 0"	229' 3"	Sandstone.	
	4' 0"	239' 3"	Shale, dark, coal mks.	
	2' 0"	243' 3"	Sandy shale.	
	74' 0"	245' 3"	Sandstone, white.	
	10' 0"	319' 3"	Sandstone, very hard.	
	10' 0"	329' 3"	Sandstone, white.	
	20' 0"	339' 3"	Sandstone, very hard.	
	20' 0"	369' 3"	Sandstone, white.	
	7' 0"	379' 3"	Sandstone, dark.	
	7' 0"	386' 3"	Sandy shale, dark.	
	6' 0"	393' 3"	Sandstone, white.	
	53' 0"	399' 3"	Sandstone.	
	5' 0"	452' 3"	Conglomerate.	
	7' 0"	457' 3"	Sandstone, white.	
	4' 0"	464' 3"	Sandy shale.	
	8' 0"	468' 3"	Sandstone, white.	
	10' 0"	476' 3"	Conglomerate, fine.	
	27' 0"	486' 3"	Sandstone, coarse.	
	10' 0"	513' 3"	Shale.	
	2' 0"	523' 3"	Sandstone, very hard.	
	22' 0"	525' 3"	Sandy shale.	
	16' 0"	547' 3"	Sandstone.	
	30' 0"	563' 3"	Sandy shale.	
	3' 0"	593' 3"	Conglomerate.	
	7' 6"	596' 3"	Shale, brown.	
	0' 6"	597' 0"	COAL.	
	1' 6"	598' 3"	Coal and shale.	
	0' 4"	599' 9"	COAL.	
	1' 5"	600' 1"	Shale, black.	
	17' 9"	601' 6"	Shale, dark.	
	4' 0"	619' 3"	Shale.	
	3' 0"	623' 3"	Sandstone, very hard.	
	26' 9"	626' 3"	Shale, very hard.	
	0' 9 1/2"	653' 0"	COAL.	
	1' 5"	653' 9 1/2"	Shale.	
	2' 11"	655' 2 1/2"	COAL, clean but tender.	
	0' 5"	658' 1 1/2"	Shale.	
	1' 5"	658' 6 1/2"	Shale, soft.	
	6' 3 1/2"	659' 11 1/2"	Shale, dark.	
	6' 0"	666' 3"	Shale.	
	0' 5"	672' 3"	COAL.	
	7' 2"	672' 8"	Shale, brown.	
	0' 5"	679' 10"	COAL, soft.	
	0' 10"	680' 3"	Shale, black, considerable coal mks.	
	0' 6"	681' 1"	COAL, soft.	
	0' 3"	681' 7"	COAL.	
	0' 3"	681' 10"	COAL, hard.	
	10' 2"	682' 1"	Shale, brown, very soft.	
	4' 0"	692' 3"	Sandy shale.	
	6' 0"	696' 3"	Sandstone, very hard.	
	1' 0"	702' 3"	Shale.	
	0' 4"	703' 3"	COAL.	
	7' 8"	703' 7"	Shale, brown.	
	7' 0"	705' 3"	Shale.	
	1' 5"	712' 3"	COAL.	
	117' 7"	715' 8"	Sandy shale.	
	3' 0"	831' 3"	Conglomerate.	
	21' 0"	834' 3"	Shale.	
	8' 0"	855' 3"	Sandstone.	
	35' 0"		Sandy shale.	
		890' 3"		

Drilled: Feb. 14 - Apr. 23, 1897.  
By:



NEW VANCOUVER COAL CO.  
RESERVE

BORE HOLE 45  
On Reserve Grade, 750' W. of No. 1 shaft, I.R.3 Nanaimo Dist.  
Scale: 1 inch = 20 feet.

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
		0' 0"	Collar of hole	
	16' 0"	16' 0"	Gravel and sand.	Datum - 2000' below M.S.L.
	7' 0"	23' 0"	Shale.	
	8' 0"	31' 0"	Sandstone.	
	29' 0"	60' 0"	Shale.	
	8' 0"	68' 0"	Sandstone.	
	7' 0"	75' 0"	Shale, hard.	
	6' 0"	81' 0"	Shale and sandstone.	
	9' 0"	90' 0"	Sandstone.	
	6' 0"	96' 0"	Shale.	
	20' 0"	116' 0"	Sandstone and shale in bands.	
	30' 0"	146' 0"	Sandstone.	
	4' 0"	150' 0"	Shale.	
	10' 0"	160' 0"	Sandstone and shale in thin layers.	
	54' 0"	214' 0"	Sandstone, partly coarse.	
	0' 1"	214' 1"	COAL.	
	9' 11"	224' 0"	Sandstone.	
	4' 0"	228' 0"	Shale, dark, with coal mkgs.	
	23' 0"	251' 0"	Sandstone.	
	0' 1 1/2"	251' 1 1/2"	COAL.	
	4' 10 1/2"	256' 0"	Sandstone.	
	8' 0"	264' 0"	Shale.	
	12' 0"	276' 0"	Sandy shale.	
	0' 8"	276' 8"	COAL.	
	0' 3"	276' 11"	Shale.	
	0' 2 1/2"	277' 1 1/2"	COAL.	
	13' 10 1/2"	291' 1 1/2"	Shale.	
	1' 0"	292' 0"	Sandstone.	
	5' 0"	297' 0"	Shale.	
	3' 0"	300' 0"	Sandstone.	
	14' 0"	314' 0"	Sandstone, very fine.	
	2' 0"	316' 0"	Sandstone, with coal mkgs.	
	27' 8"	343' 8"	Sandstone, very fine.	
	8' 4"	352' 0"	Sandy shale.	
	5' 0"	357' 0"	Sandstone.	
	5' 0"	362' 0"	Sandy shale.	
	10' 0"	372' 0"	Sandstone, very fine.	
	4' 0"	376' 0"	Shale.	
	0' 2 1/2"	376' 2 1/2"	COAL.	
	2' 9 1/2"	379' 0"	Shale.	
	19' 0"	398' 0"	Sandstone, fine.	
	0' 5"	398' 5"	COAL.	
	3' 7"	402' 0"	Shale.	
	2' 2"	404' 2"	Sandstone.	
	2' 10"	407' 0"	Shale.	
	26' 4"	433' 4"	Sandstone, hard.	
	1' 0"	434' 4"	Shale.	
	0' 4"	434' 8"	COAL.	
	0' 4"	435' 0"	Shale.	
	25' 0"	460' 0"	Sandstone, coal mkgs.	
	16' 8"	476' 8"	Sandstone.	
	0' 1 1/2"	477' 0"	Shale, brown, and coal.	
	10' 0"	487' 0"	Sandstone, fine.	
	10' 0"	497' 0"	Sandy shale.	
	0' 3"	497' 3"	Sandstone.	
	0' 2"	497' 11"	Shale, brown, and coal.	
	5' 1"	502' 0"	Sandstone, coarse.	
	6' 0"	508' 0"	Shale.	
	56' 0"	564' 0"	Sandstone, fine, out mkgs.	
	1' 0"	565' 0"	Conglomerate.	
	12' 0"	577' 0"	Sandstone, coal mkgs.	
	6' 0"	583' 0"	Shale, coal mkgs.	
	1' 0"	584' 0"	Sandstone.	
	1' 0"	585' 0"	Shale.	
	2' 9"	587' 0"	Sandstone.	
	3' 0"	590' 0"	Shale.	
	30' 6"	620' 6"	Sandstone, very hard, with coal mkgs.	
	0' 6"	720' 6"	Shale.	
	1' 6"	722' 2"	Sandstone.	
	12' 6"	734' 8"	Shale, hard.	
	7' 0"	741' 8"	Sandstone, with shale pgs.	
	12' 0"	753' 8"	Shale.	
	24' 0"	777' 8"	Sandstone, fine, hard.	
	10' 0"	787' 8"	Sandy shale.	
	46' 0"	833' 8"	Shale.	
	10' 0"	843' 8"	Sandstone, coal mkgs.	
	10' 0"	853' 8"	Sandstone.	
	10' 0"	863' 8"	Sandstone with shale.	
	12' 0"	875' 8"	Sandstone.	
	27' 0"	902' 8"	Shale.	
	28' 0"	930' 8"	Conglomerate, with shale and sandstone.	
	10' 3"	941' 1"	Shale, coal mkgs.	
	10' 8"	951' 9"	COAL.	
	2' 1"	954' 0"	Shale.	
	4' 0"	960' 0"	COAL.	
	3' 0"	963' 0"	Shale.	
	0' 8"	967' 8"	COAL.	
	2' 9"	970' 5"	Shale.	
	0' 7"	971' 2"	Conglomerate.	
	0' 8"	972' 0"	COAL.	
	24' 10"	996' 6"	Shale, soft, coal mkgs.	
	23' 6"	1020' 2"	Shale.	
	104' 0"	1124' 0"	Sandy shale.	
	4' 0"	1128' 0"	Sandstone.	
	1' 0"	1129' 0"	Shale.	
	8' 0"	1137' 0"	Sandstone.	
	1' 0"	1138' 0"	Sandstone and shale.	
	14' 0"	1152' 0"	Conglomerate, fine.	
	6' 0"	1158' 0"	Sandy shale.	

Drilled: About 1898.

By:

W-46

00720

(Lb)

**NEW VANCOUVER COAL CO.  
NEWCASTLE ISLAND**

BORE HOLE 46  
Kanaka Bay, near Newcastle Shaft, Newcastle Island.

Scale: 1 inch = 20 feet

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
		0' 0"	Collar of hole	2009.16
	2' 0"	2' 0"	Soil.	Datum 2000' below M.S.L.
	12' 0"	14' 0"	Clay, yellow.	1995.2
	10' 0"	24' 0"	Clay, blue.	1985.2
	41' 0"		Sandstone.	
	2' 0"	65' 0"	Shale, brown, coal mks.	1944.2
	7' 0"	67' 0"	Shale and sandstone.	1942.2
		74' 0"		1935.2
	64' 0"		Sandstone.	
	7' 0"	138' 0"	Shale, brown, with coal mks. at 145'.	1871.2
	8' 0"	145' 0"	Shale.	1864.2
	8' 0"	150' 0"	Shale and sandstone.	1859.2
	0' 3"	158' 0"	COAL.	1851.2
		158' 3"		1850.9
	19' 9"		Sandstone.	
	2' 0"	178' 0"	Sandstone, brown.	1831.1
	2' 0"	180' 0"	Shale.	1829.1
		182' 0"		1827.1
	50' 0"		Shale.	
	7' 0"	232' 0"	Sandy shale.	1777.1
	8' 0"	239' 0"	Sandstone.	1770.1
	10' 0"	245' 0"	Sandy shale.	1764.1
	9' 0"	255' 0"	Sandstone.	1754.1
	16' 0"	264' 0"	Shale.	1745.1
	1' 0"	280' 0"	Conglomerate.	1729.1
		281' 0"		1728.1
	36' 6"		Shale, with 1/2" coal at 283', and coal mks. at 285'.	
	0' 9"	317' 6"	COAL.	1691.6
	9' 9"	318' 3"	Sandy shale.	1690.8
	18' 0"	328' 0"	Sandstone.	1681.0
	23' 6"	346' 0"	Conglomerate, fine.	1663.0
	3' 6"	369' 6"	Sandstone.	1639.5
	2' 6"	373' 0"	COAL.	1636.0
	3' 6"	375' 6"	Shale.	1633.5
	0' 3"	379' 0"	COAL.	1630.0
	1' 6"	379' 3"	Shale.	1629.7
	0' 5"	380' 9"	COAL.	1628.2
	1' 9"	381' 2"	Shale.	1627.8
	0' 1"	382' 11"	COAL.	1626.0
	1' 7"	383' 0"	Shale.	1625.9
	1' 2"	384' 7"	COAL.	1624.3
	0' 3"	385' 9"	Millstone Grit.	1623.1
	7' 0"	386' 0"	Shale, blue, coal mks. at 393'.	1622.8
	1' 0"	393' 0"	Shale, brown.	1615.8
		394' 0"		1614.8
	37' 0"		Shale, with coal mks. at 412', 430'.	
	3' 0"	431' 0"	Shale, brown.	1577.8
	3' 0"	434' 0"	Sandstone.	1574.8
		437' 0"		1571.8
	48' 0"		Sandy shale, with leaf mks. at 454'.	
		465' 0"		1523.8

Drilled: March 7-23, 1899.

By:



N.V.C. Co., W.F. Co. NEWCASTLE 19

BORE, HOLES 47,76

47 170' @ S. 33° W. (Ext. azi.), from Newcastle Shaft, W.F. Co. -ordinates N 3732, E 5862. 76 Drilled from bottom Newcastle Shaft Scale: 1 inch = 20 feet.

Table with columns: SECTION, THICKNESS, DEPTH, MATERIAL, ELEVATION. Contains detailed geological data for borehole 47,76, listing various rock layers such as Sandstone, Shale, Conglomerate, and Coal with their respective depths and elevations.

Drilled: 47, March 29 - Apr 8, 1899. 76, Oct. 21, 1903 - May 12, 1904.

By: 47, 76, I. Emblem, T. Green, E. Garthey.

W-48

NEW VANCOUVER COAL CO.  
NEWCASTLE I.

BORE HOLE 48  
McKay Point, Newcastle Island

Scale: 1 inch = 20 feet.

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
		0' 0"	Collar of hole	
	2' 0"	2' 0"	Ball.	
	2' 0"	4' 0"	Wood.	Datum 2000' below M.S.L.
	2' 0"	6' 0"	Gravel.	
	5' 0"	11' 0"	Sand.	
	9' 0"	20' 0"	Sandstone.	
	11' 0"		Sandstone, dark, hard.	
		31' 0"		
	44' 6"		Sandstone, esp. frags. at 31' 6", 34', 36'.	
		75' 6"		
	12' 6"		Shale.	
		88' 0"		
	4' 0"	92' 0"	Sandstone.	
	4' 0"	96' 0"	Sandy shale.	
	4' 0"	100' 0"	Sandstone.	
	8' 0"	108' 0"	Sandstone, shale layers.	
	0' 4"	108' 4"	Shale, brown; coal mks.	
	6' 8"	110' 0"	Sandstone.	
	10' 0"		Sandstone, coarse.	
		120' 0"		
	48' 0"		Sandstone, coal mks. at 137'.	
		168' 0"		
	16' 0"		Sandstone, hard.	
		184' 0"		
	7' 0"	191' 0"	Sandy shale.	
	6' 0"	197' 0"	Sandstone, shale layers.	
	10' 0"	207' 0"	Sandy shale.	
	13' 0"		Sandstone, coal mks. at 210'.	
		220' 0"		
	13' 0"		Sandy shale.	
		233' 0"		
	5' 0"	238' 0"	Sandstone	
	2' 0"	240' 0"	Sandy shale.	
	9' 0"		Conglomerate.	
	0' 4"	249' 0"	Shale.	
	4' 8"	254' 0"	Conglomerate.	
	3' 0"	257' 0"	Conglomerate, shale bands.	
	4' 7 1/2"	261' 7 1/2"	Conglomerate.	
	0' 1"	261' 8 1/2"	COAL, hard.	
	0' 8"	262' 4 1/2"	Shale, coal mks.	
	5' 2 1/2"	267' 7"	COAL.	
	1' 6"	268' 1"	Shale, hard.	
	2' 8"	271' 4"	Shale, brown, soft.	
	0' 2"	271' 6"	COAL.	
	0' 1 1/2"	271' 7 1/2"	Shale and coal.	
	0' 5 1/2"	272' 1"	Shale.	
	0' 2"	272' 3"	COAL.	
	2' 9"	275' 0"	Shale, coal mks.	
	14' 0"		Shale.	
	3' 0"	289' 0"	Conglomerate.	
	8' 0"	292' 0"	Sandstone.	
	2' 0"	300' 0"	Sandstone with pebbles.	
		302' 0"		
	20' 4"		Sandstone.	
		322' 4"		
	2' 1"	324' 5"	COAL.	
	2' 0"	326' 5"	Shale.	
	0' 3"	326' 8"	COAL.	
	4' 4"	331' 0"	Shale.	
	0' 9"	331' 9"	Shale, black.	
	0' 6"	332' 3"	COAL.	
	1' 0"	333' 3"	Shale, brown.	
	0' 2"	333' 5"	COAL.	
	1' 0"	334' 5"	Shale.	
	1' 0"	335' 5"	Shale, brown; coal mks.	
	4' 7"	340' 0"	Shale, soft.	

Drilled: Apr 18 - May 8, 1899.  
By: I. Emblem, Jones, McGregor.



00720

49

W-49

(L9)

NEW VANCOUVER COAL CO.  
NO. 1

BORE HOLE 49  
At Machine Shop, W.F.Co.

Scale: 1 inch = 20 feet.

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
		0' 0"	Collar of hole	
				Datum - 2000 below MSL.
	52' 2"		Sand.	
	4' 10"	52' 2"		
		57' 0"	Sandstone, fine.	
	3' 10"		Sandstone, white.	
	2' 8"	65' 10"		
	4' 6"	68' 6"	Sandstone, fine, dark.	
	2' 0"	73' 0"	Sandstone, white.	
	1' 6"	75' 0"	Sandy shale.	
	0' 6"	76' 6"	Sandstone, fine.	
	1' 0"	77' 0"	Conglomerate.	
	1' 6"	78' 0"	Sandy shale.	
	1' 6"	79' 6"	Shale, black.	
	1' 6"	81' 0"	Sandy shale.	
	3' 0"	84' 0"	Sandstone, fine.	
	7' 6"	91' 6"	Shale, black.	
	65' 11"		Sandstone, white.	
	0' 6"	157' 5"		
	2' 2"	157' 11"	Shale, black.	
	0' 11"	160' 1"	Sandstone, white.	
	0' 6"	161' 0"	Conglomerate, indication of	
	7' 0"	161' 6"	Sandstone, black.	
	4' 0"	168' 6"	Conglomerate.	
	2' 6"	172' 6"	Sandy shale.	
	10' 0"	175' 0"	-Slip at 172' 6"	
	4' 0"	185' 0"	Not recovered.	
	8' 6"	189' 0"	Shale, black.	
	9' 11"	197' 6"	Sandstone, fine, white.	
	7' 8"	207' 5"	Shale, black.	
	0' 11"	215' 1"	Sandy shale.	
	3' 0"	216' 0"	Shale, black.	
	14' 0"	219' 0"	Sandy shale.	
	4' 0"	233' 0"		
	3' 0"	237' 0"	Shale, very soft.	
	3' 0"	240' 0"	Sandstone, fine.	
	1' 0"	243' 0"	Sandstone, black.	
	2' 0"	244' 0"	Sandstone, white.	
		246' 0"	Sandstone, black.	
	35' 8"		Sandstone, white.	
	3' 8"	281' 8"		
	7' 2"	286' 4"	Shale, black.	
	6' 3"	293' 6"	Sandstone, white.	
	1' 6"	299' 9"	Shale, black.	
	8' 3"	301' 3"	Sandstone, white.	
	0' 4"	309' 6"	Shale, black.	
	12' 2"	309' 10"	Sandstone, white.	
	7' 2"	322' 0"	Shale, black.	
	3' 8"	329' 2"	Sandstone, white.	
	0' 6"	332' 10"	Sandy shale.	
	6' 5"	334' 4"	Sandstone, white.	
	4' 6"	339' 9"	Sandy shale.	
	3' 5"	344' 3"	Shale, black.	
		347' 8"	Sandy shale.	
	14' 7"		Shale, black.	
	2' 2"	362' 3"		
	10' 11"	364' 5"	Conglomerate.	
	4' 9"	375' 4"	Shale, black.	
	1' 1"	380' 1"	COAL.	
		381' 2"	Shale, black.	

Drilled: April 13 - Aug. 4, 1899.

By: G.W. Carpenter - ?

NEW VANCOUVER COAL CO.  
SOUTHFIELD

BORE HOLE 50

On grade to No.5 Southfield, 500' N.W. of old and new Island highways (opp. Chase R. School)

Scale: 1 inch = 20 feet.

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
		0' 0"	Collar of hole	
	2' 0"	2' 0"	Soil.	
	3' 0"	5' 0"	Gravel.	Datum - 2000' below M.S.L.
	6' 0"	11' 0"	Sandy clay.	
	10' 0"		Fine sand.	
	5' 0"	21' 0"	Gravel and boulders.	
	15' 0"		Clay with boulders.	
	10' 0"	41' 0"	Sandstone, hard.	
	3' 0"	51' 0"	Conglomerate, fine.	
	8' 0"	54' 0"	Sandstone with (boulders?)	
	1' 0"	63' 0"	Conglomerate, fine.	
	8' 0"	64' 0"	Sandstone.	
	0' 7"	72' 0"	Shale, brown.	
	3' 11"	72' 7"	Sandy shale, grey.	
	0' 8"	78' 6"	Shale, brown.	
	3' 0"	77' 0"	Shale, dark, coal mks.	
	1' 0"	80' 0"	Sandy shale, coal mks.	
	1' 0"	81' 0"	Shale.	
	1' 0"	82' 0"	Sandy shale.	
	2' 0"	83' 0"	Shale.	
	5' 0"	86' 0"	Sandstone.	
	3' 0"	90' 0"	Shale, brown.	
	7' 0"	93' 0"	Sandstone, coal mks.	
	21' 0"	100' 0"	Sandstone, shale layers.	
	6' 9"	121' 0"	Sandstone, coal mks.	
	8' 3"	127' 9"	Conglomerate, fine.	
	2' 0"	136' 0"	Sandstone.	
	2' 0"	138' 0"	Conglomerate.	
	17' 0"		Sandstone.	
	17' 6"	157' 0"	Conglomerate.	
	17' 6"	174' 6"	Sandstone.	
	8' 0"	192' 0"	Shale.	
	3' 6"	200' 0"	Sandy shale.	
	1' 6"	203' 6"	Sandstone.	
	18' 0"	205' 0"	Sandy shale.	
	2' 0"	223' 0"	Sandstone, shale layers.	
	18' 0"	226' 0"	Sandstone.	
	10' 0"	243' 0"	Sandy shale, sandstone layers.	
	17' 9 1/2"	253' 0"	Conglomerate, very hard.	
	2' 3"	270' 9 1/2"	COAL, clean, soft.	
	0' 1"	273' 1/2"	Shale.	
	0' 4 1/2"	273' 1 1/2"	COAL, dirty.	
	1' 3"	273' 5 1/2"	Shale.	
	0' 9"	274' 6 1/2"	COAL.	
	0' 11"	275' 3 1/2"	Shale, soft.	
	1' 4"	276' 2 1/2"	Conglomerate.	
	0' 5 1/2"	277' 6 1/2"	Shale, soft, black.	
	1' 1"	278' 0"	Shale, hard.	
	0' 6"	279' 6"	COAL.	
	0' 2"	279' 8"	Shale.	
	1' 0"	279' 10"	Shale.	
	0' 4"	280' 10"	COAL.	
	0' 6 1/2"	281' 2"	Coal and shale.	
	0' 3"	281' 8 1/2"	Shale.	
	0' 3"	281' 11 1/2"	Coal and shale.	
	0' 3"	282' 2 1/2"	COAL.	
	0' 10"	282' 5 1/2"	Shale.	
	0' 8"	283' 3 1/2"	COAL.	
	1' 4"	283' 11 1/2"	Coal and shale.	
	0' 3 1/2"	285' 3 1/2"	COAL.	
	0' 3"	285' 7"	Shale and coal.	
	0' 5"	286' 10"	Shale.	
	0' 11 1/2"	288' 3"	COAL, shaly.	
	2' 9 1/2"	287' 2 1/2"	Shale and coal.	
	1' 3"	290' 0"	COAL.	
	2' 8"	291' 3"	COAL, shaly.	
	30' 6"	294' 0"	Shale.	
	9' 6"	324' 6"	Conglomerate.	
	4' 0"	334' 0"	Sandstone.	
	3' 0"	338' 0"	Conglomerate.	
	2' 0"	341' 0"	Sandstone, coal mks.	
	1' 0"	343' 0"	Conglomerate.	
	2' 0"	344' 0"	Sandstone.	
	1' 0"	346' 0"	Conglomerate.	
	1' 0"	347' 0"	Shale.	
	2' 0"	348' 0"	Conglomerate.	
	2' 0"	350' 0"	Sandstone.	
	5' 0"	362' 0"	Conglomerate, fine.	
	3' 0"	357' 0"	Conglomerate.	
	2' 0"	360' 0"	Shale, coal mks.	
	5' 0"	362' 0"	Conglomerate.	
	2' 7"	367' 0"	Shale, coal mks.	
	0' 8"	368' 7"	COAL, shaly.	
	18' 10 1/2"	370' 0"	Shale, coal mks.	
	0' 10"	388' 10 1/2"	COAL.	
	10' 3 1/2"	389' 8 1/2"	Shale, coal mks.	
	7' 0"	400' 0"	Shale, soft.	
	0' 3"	407' 0"	Shale, brown, coal mks.	
	11' 3"	407' 3"	Shale, soft.	
	0' 6"	418' 6"	Conglomerate, fine.	
	4' 0"	419' 0"	Sandstone, coarse.	
	21' 0"	423' 0"	Shale.	
	6' 0"	444' 0"	Sandy shale.	
	2' 0"	450' 0"	Shale.	
	5' 0"	452' 0"	Sandstone.	
	3' 0"	457' 0"	Cong. dk., fine, coal mks.	
	2' 0"	460' 0"	Sandstone.	
	22' 0"	484' 0"	Shale, soft.	

Drilled: May 17 - June 21, 1899.  
By: I. Emblem, Jones, McGregor.



00720

(30)

WIN-1

WINGOLD DEVELOPMENT AND INVESTMENT CO.

BORE HOLE NO. 1 NE Corner, Lot 966, Section 1, Nanaimo Dist. Vancouver Id.

SCALE: 1 IN. = 20 FEET.

Table with columns: SECTION, THICKNESS, DEPTH, MATERIAL, ELEVATION. Contains detailed geological data for Bore Hole No. 1, including material descriptions like 'Sandstone', 'Shale', and 'Conglomerate' with their respective depths and elevations.

Vertical text on the right side of the table: 'NEWCASTLE FORMATION', 'Newcastle seam', 'CRANBERRY FORMATION', 'EXTENSION FORMATION', 'Wellington Seam', 'E. W. TON FORM'.

Begin: Oct. 20, 1943
Finished: Dec. 14, 1943
Drilled by: Boyles Bros.
Drillers: L.H. Moncrieff, J. McNeill

W-III

00720 (38)

(L)

WESTERN FUEL CO.  
NORTHFIELD

BORE HOLE III

East of Junction of Northfield and Departure Bay roads, S.I., Nan. Dist.  
(W.F. co-ords., S. 204.98, E. 2078.96)  
Scale: 1 inch = 20 feet.

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
		0' 0"	Collar of hole	2201.69 Datum - 12000 below M.S.L.
	70' 3"		Conglomerate.	
		70' 3"		2131.44
	13' 9"		Sandy shale.	
	1' 9"	84' 0"	Sandstone.	2117.69
	4' 7"	85' 9"	Shale.	2113.94
	1' 6"	90' 4"	Sandy shale.	2111.36
	0' 8"	91' 10"	Shale.	2109.86
	1' 0"	92' 6"	Sandy shale.	2109.19
	7' 6"	93' 6"	Shale.	2108.19
		101' 0"		2100.69
	12' 0"		Sandy shale.	
	1' 6"	113' 0"	Sandstone.	2088.69
	6' 0"	114' 6"	Sandy shale.	2087.19
	4' 6"	120' 6"	Conglomerate.	2081.19
	2' 0"	125' 0"	Sandstone.	2076.69
	3' 0"	127' 0"	Conglomerate.	2074.69
	2' 0"	130' 0"	Shale.	2071.69
	3' 3"	132' 0"	Sandy shale.	2069.69
		135' 3"		2066.44
	37' 3"		Conglomerate.	
	0' 6"	172' 6"	Shale.	2029.19
	1' 0"	173' 0"	Shale, dark, coal mkg.	2028.69
	0' 6"	174' 0"	COAL and shale	2027.69
	6' 6"	174' 6"	Shale.	2027.19
	0' 4"	181' 0"	Shale and COAL.	2020.69
	0' 8"	181' 4"	Shale, dark, coal mkg.	2020.36
	1' 0"	182' 0"	Shale, dark.	2019.69
	4' 0"	183' 0"	Shale, light.	2018.69
	2' 0"	187' 0"	Sandy shale.	2014.69
	9' 9"	189' 0"	Shale.	2012.69
	0' 3"	198' 9"	Shale, dark, coal mkg.	2002.94
	8' 0"	199' 0"	Shale.	2002.69
	1' 0"	207' 0"	Shale, dark.	1994.69
	3' 0"	208' 0"	Sandy shale.	1993.69
	2' 0"	211' 0"	Sandstone.	1990.69
	8' 0"	213' 0"	Conglomerate.	1988.69
	3' 0"	221' 0"	Sandstone.	1980.69
		224' 0"		1977.69
	16' 0"		Conglomerate.	
	1' 0"	240' 0"	Sandstone.	1961.69
	1' 0"	241' 0"	Sandstone, with pebbles.	1960.69
	6' 6"	242' 0"	Conglomerate.	1959.69
	0' 9"	248' 6"	Shale.	1953.19
	1' 4"	249' 3"	Shale, dark, coal mkg.	1952.44
	0' 5"	250' 7"	COAL and shale.	1951.11
	2' 5 1/2"	251' 0"	COAL.	1950.69
	0' 2"	253' 5 1/2"	Shale, dark and COAL.	1948.27
	0' 4 1/2"	253' 7 1/2"	Shale.	1948.10
	9' 0"	254' 0"	Sandy shale.	1947.69
	7' 6"	263' 0"	Sandstone, with pebbles.	1938.69
	0' 6"	270' 6"	Conglomerate, hard.	1931.19
	6' 0"	271' 0"	Sandstone, with pebbles.	1930.69
	7' 10"	277' 0"	Sandstone.	1924.69
	0' 2"	284' 10"	Shale.	1916.86
	1' 3"	285' 0"	Sandy shale.	1916.69
	0' 3"	286' 3"	Shale, coal mkg.	1915.44
	1' 4"	286' 6"	Shale, dark.	1915.13
	0' 3"	287' 10"	COAL and shale.	1913.86
	4' 11"	288' 1"	Shale, soft, dark.	1913.16
	8' 0"	293' 0"	Shale.	1908.69
	1' 0"	301' 0"	Shale, dark.	1900.69
	0' 4"	302' 0"	Shale, coal mkg.	1899.69
	0' 4"	302' 4"	COAL and shale.	1899.36
	0' 4"	302' 8"	COAL.	1899.03
	0' 1"	303' 0"	COAL and shale.	1898.69
	0' 2"	303' 1"	Shale.	1898.61
	0' 9"	303' 3"	Shale, light.	1898.44
	4' 0"	304' 0"	Shale, dark.	1897.69
	2' 0"	308' 0"	Shale.	1893.69
	0' 3"	310' 0"	Shale and COAL.	1891.69
	7' 9"	310' 3"	Shale.	1891.44
	0' 5"	318' 0"	Shale, dark.	1883.69
	0' 3"	318' 5"	COAL.	1883.27
	2' 4"	318' 8"	Shale.	1883.02
	5' 9"	321' 0"	Sandy shale.	1880.69
	0' 9"	326' 9"	Shale, dark.	1874.94
	10' 4"	327' 6"	Sandy shale.	1874.19
	0' 2"	337' 10"	Shale, dark.	1863.86
	2' 3"	338' 0"	Sandy shale.	1863.69
	0' 6"	340' 3"	Shale, soft and COAL.	1861.44
	0' 11"	340' 9"	Shale, dark, coal mkg.	1860.94
	0' 7"	341' 8"	Sandy shale.	1860.02
		342' 3"		1859.44
	42' 0"		Sandstone, fine.	
		384' 3"		1817.44
	12' 0"		Sandy shale.	
	1' 0"	396' 3"	Sandy shale, hard.	1805.44
		397' 3"		1804.44
	15' 0"		Sandy shale.	
	2' 0"	412' 3"	Sandy shale, hard.	1789.44
	7' 0"	414' 3"	Sandy shale.	1787.44
		421' 3"		1780.44

Drilled: Apr. 12 - May 11, 1918.  
By: F.H. Wall.



WESTERN FUEL CO.  
WAKESIAH

## BORE HOLE 112

On farm (S.1, Nan. Dist.), 2200' S.E. of N.E. cor. S.9, R.8, Mtn. Dist.  
(W.F. co-ords., S.9747.96, E.2674.50)  
Scale: 1 inch = 20 feet.

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
		0' 0"	Collar of hole	2195.86
	4' 0"	4' 0"	Black loam.	Datum -
	3' 0"	7' 0"	Clay and loam.	2000 below M.S.L.
	5' 0"	12' 0"	Gravel.	2183.86
	46' 0"		Conglomerate.	
	2' 0"	58' 0"	Sandy shale.	2137.86
		60' 0"		2135.86
	36' 0"		Shale.	
	7' 0"	96' 0"	Sandstone, grey.	2099.86
	11' 0"	103' 0"	Conglomerate.	2092.86
	2' 0"	114' 0"	Sandstone.	2081.86
	1' 0"	116' 0"	Shale, grey.	2079.86
	1' 0"	117' 0"	Shale, brown.	2078.86
		118' 0"		2077.86
	20' 0"		Shale, grey.	
	1' 0"	138' 0"	Shale, brown, coal mks.	2057.86
	1' 0"	139' 0"	Shale, grey.	2056.86
		140' 0"		2055.86
	4' 0"	144' 0"	Shale, brown.	2051.86
	14' 0"		Sandy shale.	
		158' 0"		2037.86
	30' 0"		Shale.	
		188' 0"		2007.86
	21' 0"		Sandy shale.	
	2' 6"	209' 0"	Shale, brown.	1986.86
	5' 6"	211' 6"	Sandy shale.	1984.36
		217' 0"		1978.86
	23' 0"		Shale.	
	1' 0"	240' 0"	Shale, brown.	1985.86
	5' 0"	241' 0"	Sandy shale.	1954.86
	7' 0"	246' 0"	Shale.	1949.86
	2' 0"	253' 0"	COAL.	1942.86
	1' 0"	255' 0"	Shale, brown.	1940.86
		256' 0"		1939.86
	14' 0"		Shale.	
	1' 0"	270' 0"	Shale, brown.	1925.86
	0' 10"	271' 0"	COAL.	1924.86
		271' 10"		1924.03
	6' 2"	278' 0"	Shale.	1917.86
	26' 0"		Shale, red and trap.	
	2' 0"	304' 0"	Shale, brown.	1891.86
	3' 0"	306' 0"	Shale, grey with pebbles.	1889.86
	7' 0"	309' 0"	Shale, brown.	1888.86
	4' 0"	316' 0"	Shale, red.	1879.86
	5' 0"	320' 0"	Trap.	1875.86
		325' 0"		1870.86

Drilled: Apr. 17-30, 1918.  
By: C. Saunders, T. Brown,  
W. Green.

WESTERN FUEL CO.  
WAKESIAH

BORE HOLE 113

On farm (S.1, Nan. Dist.), 1800' S.E. of N.E. cor. S.9, R.8, Mtn. Dist.  
(W.F. co-ords., S.10083.04, E.2375.26)  
Scale: 1 inch = 20 feet.

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
		0' 0"	Collar of hole	2197.65
	4' 0"	4' 0"	Clay.	Datum -
	3' 9"	7' 9"	Clay and gravel.	2000' below M.S.L.
	18' 3"		Conglomerate.	
	5' 0"	26' 0"	Shale.	2171.65
		31' 0"		2166.65
	50' 0"		Conglomerate.	
		81' 0"		2116.65
	28' 0"		Shale.	
		109' 0"		2088.65
	11' 0"		Sandstone.	
		120' 0"		2077.65
	9' 0"		Conglomerate, fine.	
	1' 0"	129' 0"	Sandy shale.	2068.65
	2' 0"	130' 0"	Conglomerate, fine	2067.65
	1' 0"	132' 0"	Sandy shale.	2065.85
	2' 0"	133' 0"	Conglomerate.	2064.65
		135' 0"		2062.65
	52' 0"		Shale.	
		187' 0"		2010.65
	7' 0"		Sandy shale.	
		194' 0"		2003.65
	23' 0"		Shale.	
		217' 0"		1980.65
	7' 0"	224' 0"	Sandstone.	1973.65
	6' 0"	230' 0"	Shale.	1967.65
	6' 0"	236' 0"	Shale, brown.	1961.65
	1' 6"	237' 6"	COAL.	1960.15
	0' 6"	238' 0"	Shale, brown.	1959.65
	1' 6"	239' 6"	Shale, grey.	1958.15
	0' 6"	240' 0"	Shale, brown.	1957.65
	7' 0"	247' 0"	Shale, grey.	1950.65
	1' 0"	248' 0"	Shale, light brown.	1949.65
	4' 0"	252' 0"	Shale, grey.	1945.65
	17' 0"		Shale.	
	2' 0"	269' 0"	Shale, grey.	1928.65
	0' 6"	271' 0"	COAL.	1926.65
	0' 6"	271' 6"	Shale, brown.	1926.15
		272' 0"		1925.65
	13' 0"		Shale.	
	2' 6"	285' 0"	Shale, grey.	1912.65
	1' 6"	287' 6"	COAL.	1910.15
		289' 0"		1908.65
	15' 0"		Shale.	
	1' 0"	304' 0"	Shale, brown.	1893.65
	0' 6"	305' 0"	COAL.	1892.65
	1' 6"	305' 6"	Shale, brown.	1892.15
	6' 6"	307' 0"	Shale, grey.	1890.65
	3' 4"	313' 6"	COAL.	1884.15
	0' 2"	316' 10"	Shale, brown and coal.	1880.82
	2' 0"	317' 0"	Shale, brown, coal mkg.	1880.65
	4' 0"	319' 0"	COAL.	1878.65
	1' 0"	323' 0"	Shale, brown, coal mkg.	1874.65
	1' 0"	324' 0"	Shale.	1873.65
	2' 0"	325' 0"	Shale, brown.	1872.65
	9' 0"	327' 0"	Shale, burnt - red shale.	1870.65
		336' 0"		1861.65
	6' 0"		Trap.	
	4' 6"	342' 0"	Trap.	1855.65
		346' 6"		1851.15

Drilled: May 1-16, 1918.  
By: C. Saunders, T. Brown,  
W. Green.



WESTERN FUEL CO.  
NORTHFIELD

BORE HOLE 114

W. of Departure Bay rd., S.1, Nan. Dist, 400' S. of N.E. cor., S.19, R.8, Mtn. Dist.  
(W.F. co-ords. N.1552.15 E.4525.44)  
Scale: 1 inch = 20 feet.

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
		0' 0"	Collar of hole	2159.58
				Datum - 2000 below M.S.L.
	45' 0"		Gravel and boulders.	
	5' 0"	45' 0"	Sand.	2114.58
	8' 0"	50' 0"	Fine gravel.	2109.58
	9' 0"	58' 0"	Sand and gravel.	2101.58
	8' 0"	67' 0"	Gravel.	2092.58
		75' 0"		2084.58
	11' 0"		Sand, hard packed.	
	2' 0"	86' 0"	Clay and sand.	2073.58
		88' 0"		2071.58
	13' 0"		Sand, fine.	
	2' 0"	101' 0"	Gravel.	2058.58
	2' 0"	103' 0"	Sand.	2056.58
	5' 0"	105' 0"	Sand and gravel, with boulders.	2054.58
	7' 0"	110' 0"	Sand, dark.	2048.58
	4' 0"	117' 0"	Gravel, fine.	2042.58
	9' 0"	121' 0"	Sand.	2038.58
	4' 0"	130' 0"	Clay.	2029.58
	7' 0"	134' 0"	Clay and sand, with boulders.	2025.58
	11' 0"	141' 0"	Sand and clay.	2018.58
	3' 0"	152' 0"	Clay and gravel.	2007.58
		155' 0"		2004.58
	13' 6"		Conglomerate.	
	2' 6"	168' 6"	Shale.	1991.08
	2' 0"	171' 0"	Conglomerate.	1988.58
	3' 6"	173' 0"	Sandy shale.	1986.58
	4' 6"	176' 6"	Conglomerate.	1983.08
	2' 0"	181' 0"	Sandstone.	1978.58
	3' 0"	183' 0"	Conglomerate.	1976.58
	4' 0"	186' 0"	Sandy shale.	1973.58
	8' 0"	190' 0"	Shale.	1969.58
	1' 6"	198' 0"	Sandy shale.	1961.58
	3' 6"	199' 6"	Shale.	1960.08
	2' 0"	203' 0"	Shale, hard.	1956.58
	1' 0"	205' 0"	Conglomerate.	1954.58
		206' 0"		1953.58
	17' 0"		Sandy shale.	
	6' 0"	223' 0"	Sandstone, fine.	1936.58
	1' 0"	229' 0"	Sandy shale.	1930.58
		230' 0"		1929.58
	12' 0"		Shale.	
	3' 0"	242' 0"	Sandstone, fine.	1917.58
		245' 0"		1914.58
	10' 0"		Sandy shale.	
		255' 0"		1904.58
	11' 9"		Shale.	
	4' 3"	266' 9"	Sandstone.	1892.83
		271' 0"		1888.58
	110' 0"		Conglomerate.	
	6' 0"	381' 0"	Shale.	1778.58
	1' 0"	387' 0"	Sandy shale.	1772.58
	5' 0"	388' 0"	Shale.	1771.58
	2' 0"	393' 0"	Sandy shale.	1766.58
	1' 0"	398' 0"	Shale.	1761.58
	2' 0"	400' 0"	Shale, brown.	1759.58
	10' 0"	401' 0"	Sandy shale.	1758.58
	3' 0"	403' 0"	Conglomerate.	1756.58
	2' 0"	413' 0"	Sandstone.	1746.58
	2' 0"	416' 0"	Conglomerate.	1743.58
	2' 0"	418' 0"	Sandstone, with pebbles.	1741.58
	3' 0"	420' 0"	Conglomerate.	1739.58
	1' 0"	422' 0"	Sandstone.	1737.58
	2' 0"	425' 0"	Conglomerate.	1734.58
	2' 0"	426' 0"	Sandstone, with pebbles.	1733.58
	8' 0"	428' 0"	Conglomerate.	1731.58
	1' 0"	436' 0"	Sandstone, with pebbles.	1723.58
	8' 0"	437' 0"	Conglomerate.	1722.58
	1' 6"	445' 0"	Conglomerate.	1714.58
	5' 6"	446' 6"	Sandstone.	1713.08
	2' 0"	452' 0"	Sandstone, with pebbles.	1707.58
	6' 0"	454' 0"	Sandstone, fine.	1705.58
	1' 0"	460' 0"	Sandy shale.	1699.58
	2' 0"	461' 0"	Sandstone, fine.	1698.58
	4' 0"	463' 0"	Sandy shale.	1696.58
	1' 4"	467' 0"	Sandstone, fine.	1692.58
	1' 8"	468' 4"	Conglomerate.	1691.25
	6' 0"	470' 0"	Sandstone, with pebbles.	1689.58
	1' 0"	476' 0"	Shale.	1683.58
	5' 0"	477' 0"	Sandstone, with pebbles.	1682.58
	7' 0"	482' 0"	Shale.	1677.58
	3' 0"	489' 0"	Sandy shale.	1670.58
	1' 0"	492' 0"	Shale, dark.	1667.58
	8' 6"	493' 0"	Shale.	1666.58
	0' 4"	501' 6"	Shale, dark.	1658.08
	0' 3"	502' 3"	Shale, dark, coal mks.	1657.33
	7' 6"	502' 6"	Shale.	1657.08
	6' 0"	510' 0"	Sandy shale.	1649.08
	12' 4"	516' 0"	Shale.	1643.58
	11' 2"	528' 4"	Conglomerate.	1631.25
	1' 6"	539' 6"	Sandstone, with pebbles.	1620.08
	7' 9"	541' 0"	Conglomerate.	1618.58
	0' 3"	548' 9"	Shale.	1610.83
		549' 0"		1610.58
	29' 10"		Conglomerate.	
	0' 2"	578' 10"	Shale.	1580.75
	0' 6"	579' 0"	Shale, dark, coal mks.	1580.58
	0' 10"	579' 6"	Shale, light.	1580.08
	0' 3"	580' 4"	Shale and coal mks.	1579.25
	0' 3"	580' 7"	COAL.	1579.00
	0' 6"	580' 10"	Shale and COAL.	1578.75
	2' 3"	581' 4"	COAL.	1578.25
	0' 3"	583' 7"	COAL and shale.	1576.00
	2' 9"	583' 10"	Shale.	1575.75
	9' 0"	586' 7"	Sandy shale.	1573.00
	4' 0"	595' 7"	Sandstone.	1564.00
	1' 0"	599' 7"	Conglomerate.	1560.00
	1' 0"	600' 7"	Conglomerate.	1559.00
	3' 0"	601' 7"	Sandstone, with pebbles.	1558.00
	9' 6"	604' 7"	Conglomerate.	1555.00
	6' 6"	614' 1"	Sandstone.	1545.50
	4' 0"	620' 7"	Conglomerate.	1539.00
	5' 0"	624' 7"	Sandstone.	1535.00
	5' 11"	629' 7"	Conglomerate.	1530.00
	0' 6"	635' 6"	Sandstone.	1524.08
	3' 0"	636' 0"	Shale.	1523.58
	0' 6"	639' 0"	Shale, dark.	1520.58
	0' 4"	639' 6"	Shale.	1520.08
	0' 4"	639' 10"	COAL and shale.	1519.75
	0' 3"	640' 2"	Shale and coal mks.	1519.42
	0' 9"	640' 5"	Shale.	1519.17
	0' 4"	641' 2"	Shale and coal mks.	1518.42
	2' 10"	641' 6"	COAL.	1518.08
	6' 9"	644' 4"	Shale.	1515.25
	1' 0"	651' 1"	Sandy shale.	1508.50
	3' 6"	652' 1"	Sandstone, fine.	1507.50
		655' 7"		1504.00

WESTERN FUEL CO. RESERVE

BORE HOLE 115

1300' SE. of NW. cor. of frac. S.18, R.7, Cranberry Dist. (W.F. co-ords., S.15183.78, E.26684.59) Scale: 1 inch = 20 feet.

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
		0' 0"	Collar of hole	2016.95
	8' 6"	8' 6"	Sand.	Datum - 2000' below M.S.L.
	18' 6"		Sandstone.	
	0' 3"	27' 0"	COAL.	1989.95
	0' 9"	27' 3"	Shale, dark.	1989.70
	8' 0"	28' 0"	Sandy shale.	1988.95
	12' 3"	36' 0"	Sandstone.	1980.95
	0' 3"	48' 3"	Shale, dark, coal mags.	1968.70
	0' 2"	48' 6"	COAL.	1968.45
	0' 2"	48' 8"	Shale, dark.	1968.28
	1' 0"	49' 0"	Shale.	1967.45
	3' 0"	50' 0"	Sandy shale.	1966.95
	16' 6"	53' 0"	Sandstone.	1963.95
	0' 4"	69' 6"	Shale.	1947.45
	0' 2"	69' 10"	COAL.	1947.12
	0' 9"	70' 3"	Shale.	1946.70
	4' 8"	71' 0"	Sandy shale.	1945.95
	0' 1"	75' 8"	Shale, dark.	1941.28
	0' 4"	75' 9"	COAL.	1941.20
	0' 4"	75' 10"	Shale.	1941.12
	12' 10"	76' 2"	Sandy shale.	1940.79
	3' 6"	89' 0"	Sandstone.	1927.95
	2' 6"	92' 6"	Shale.	1924.45
	15' 0"	95' 0"	Sandstone.	1921.95
	0' 2"	110' 0"	Shale.	1906.95
	0' 5"	110' 2"	COAL.	1906.78
	3' 1"	110' 7"	Shale.	1906.36
	0' 4"	115' 8"	COAL.	1901.28
	1' 0"	116' 0"	Shale.	1900.95
	2' 0"	117' 0"	Sandy shale.	1899.95
	2' 6"	119' 0"	Sandstone.	1897.95
	1' 6"	121' 6"	Shale.	1895.45
	13' 0"	123' 0"	Sandstone.	1893.45
	4' 0"	136' 0"	Sandy shale.	1880.95
	16' 3"	140' 0"	Sandstone.	1876.95
	0' 4"	156' 3"	COAL.	1860.70
	4' 11"	156' 7"	Sandstone.	1860.37
	0' 6"	161' 6"	Sandy shale.	1855.45
	5' 0"	162' 0"	Shale, soft, brown.	1854.95
	3' 0"	167' 0"	Shale, soft.	1849.95
	13' 0"	170' 0"	Sandstone.	1846.95
	8' 0"	183' 0"	Sandy shale.	1833.95
	1' 0"	191' 0"	Sandstone.	1825.95
	4' 0"	192' 0"	Sandy shale.	1824.95
	1' 6"	196' 0"	Sandstone, fine.	1820.95
	0' 2"	197' 6"	Shale, dark.	1819.45
	0' 4"	197' 8"	Sandy shale.	1819.28
	3' 0"	198' 0"	Sandstone, fine.	1818.95
	3' 0"	201' 0"	Sandstone, fine.	1815.95
	86' 0"		Sandstone.	
	1' 0"	287' 0"	Sandstone and brown shale markings.	1729.95
	14' 3"	288' 0"	Sandstone.	1728.95
	0' 3"	302' 3"	Shale, brown.	1714.70
	1' 0"	302' 6"	Sandy shale.	1714.45
	4' 6"	303' 6"	Sandstone.	1713.45
	2' 0"	308' 0"	Shale.	1708.95
	3' 0"	310' 0"	Sandy shale.	1706.95
	3' 0"	313' 0"	Sandy shale.	1703.95
	53' 0"		Sandstone.	
	366' 0"		Shale.	1650.95
	3' 0"	375' 0"	Sandy shale.	1641.95
	4' 0"	379' 0"	Sandstone.	1637.95
	5' 2"	384' 2"	Sandstone.	1632.78
	16' 10"		Sandy shale.	
	8' 0"	401' 0"	Sandstone, hard.	1615.95
	13' 0"	409' 0"	Sandstone, fine.	1607.95
	18' 0"	422' 0"	Sandy shale.	1594.95
	6' 0"	440' 0"	Shale.	1576.95
	14' 0"	446' 0"	Sandy shale.	1570.95
	2' 0"	460' 0"	Sandy shale, dark.	1556.95
	2' 0"	462' 0"	Shale, dark.	1554.95
	2' 0"	464' 0"	Conglomerate.	1552.95
	3' 0"	466' 0"	Shale, dark and sandstone bands.	1550.95
	1' 8"	470' 8"	Shale, dark.	1547.95
	0' 4"	470' 8"	Conglomerate.	1546.28
	0' 7"	471' 0"	Shale, dark.	1545.95
	0' 2"	474' 9"	Conglomerate.	1542.20
	0' 2"	475' 4"	Shale, dark.	1541.62
	0' 2"	475' 6"	Conglomerate.	1541.45
	1' 7"	475' 8"	Shale, dark.	1541.28
	0' 5"	477' 8"	Sandstone.	1539.70
	1' 4"	479' 0"	Shale, dark.	1539.28
	4' 6"	483' 6"	Shale, dark, and ss. bands.	1537.95
	1' 0"	483' 6"	Sandstone.	1533.45
	1' 0"	484' 0"	Sandy shale, dark.	1532.95
	0' 8"	485' 0"	Shale, dark and COAL.	1531.95
	0' 2"	485' 8"	Shale, dark.	1531.28
	0' 2"	486' 10"	COAL.	1531.11
	0' 3"	486' 7"	COAL and shale.	1530.36
	1' 11"	486' 10"	COAL.	1530.11
	1' 3"	488' 9"	Shale, brown.	1528.15
	2' 3"	490' 7"	Sandy shale.	1527.86
	1' 0"	493' 0"	Sandstone, hard.	1526.36
	0' 2"	495' 0"	Sandy shale, light.	1525.95
	0' 2"	497' 0"	Sandstone, hard.	1521.95
	0' 2"	497' 9"	Sandy shale.	1519.95
	0' 2"	499' 9"	Sandy shale, dark.	1519.20
	0' 2"	499' 9"	Sandy shale, light.	1518.95
	1' 0"	499' 9"	Shale, brown.	1518.20
	1' 0"	500' 0"	Shale, dark.	1517.95
	1' 0"	500' 0"	Shale, dark.	1516.95
	0' 4"	501' 4"	Shale, coal mags.	1516.95
	1' 0"	505' 0"	Shale, shale.	1515.62
	1' 0"	505' 0"	Shale.	1511.95
	1' 0"	508' 0"	Shale, hard.	1510.95
	10' 0"	509' 0"	Sandy shale.	1508.95
	1' 0"	519' 0"	Shale.	1507.95
	24' 0"	519' 0"	Sandstone.	1497.45
	1' 0"	520' 0"	Shale.	1496.95
	1' 0"	544' 0"	Sandstone.	1472.95
	1' 0"	545' 0"	Sandy shale.	1471.95
	2' 7"	548' 0"	Shale.	1468.28
	2' 9"	551' 0"	Sandy shale.	1468.28
	1' 0"	554' 0"	Sandstone.	1468.70
	1' 0"	554' 0"	Sandstone.	1462.95
	1' 0"	555' 0"	Sandy shale.	1461.95
	1' 0"	555' 0"	Sandstone.	1460.95
	2' 0"	557' 0"	Shale.	1459.95
	2' 0"	559' 0"	Sandy shale.	1457.95
	18' 9"		Shale.	
	0' 2"	571' 9"	Shale, dark.	1439.20
	2' 8"	578' 6"	Shale.	1438.45
	4' 0"	581' 0"	Sandy shale.	1435.95
	8' 0"	585' 0"	Shale.	1431.95
	17' 0"	593' 0"	Sandy shale.	1423.95
	2' 0"	610' 0"	Shale.	1406.95
	2' 0"	612' 0"	Sandy shale.	1404.95
	1' 0"	614' 0"	Sandstone.	1402.95
	3' 0"	615' 0"	Sandstone.	1401.95
	2' 0"	618' 0"	Sandy shale.	1398.95
	1' 0"	620' 0"	Conglomerate, fine.	1396.95
	7' 0"	621' 0"	Sandstone, fine.	1395.95
	1' 0"	628' 0"	Sandstone, hard.	1388.95
	1' 0"	629' 0"	Sandy shale.	1387.95
	2' 6"	631' 6"	Shale.	1385.45
	7' 6"	639' 0"	Sandstone.	1377.95
	0' 6"	647' 6"	Shale.	1369.45
	3' 0"	648' 0"	Sandy shale.	1368.95
	2' 0"	651' 0"	Shale.	1365.95
	1' 0"	653' 0"	Sandy shale.	1363.95
	1' 0"	654' 0"	Shale.	1362.95
	1' 0"	655' 0"	Sandy shale.	1361.95
	1' 0"	655' 0"	Sandstone, fine.	1360.95
	2' 0"	660' 0"	Sandstone.	1356.95
	1' 0"	662' 0"	Sandy shale.	1354.95
	3' 5"	665' 0"	Conglomerate.	1353.88
	4' 7"	666' 5"	Sandstone.	1350.33
	2' 0"	671' 0"	Sandy shale.	1345.95
	3' 0"	673' 0"	Shale.	1343.95
	3' 0"	676' 0"	Sandy shale.	1340.95

Drilled: Sept. 9 - Oct. 12, 1918. By: F.H. Wall.

WESTERN FUEL CO.  
 RESERVE

BORE HOLE 116

On Nanaimo I.R. No. 4, 480' S 48° E of NE. cor. of frac. S.18, R.7, Cranberry Dist.  
 (W.F. co-ords., S.14241.30, E.27835.85)  
 Scale: 1 inch = 20 feet.

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
		0' 0"	Collar of hole	2000.75
	3' 0"	3' 0"	Clay	Datum - 2000 below M.S.L.
	14' 0"		Sandy clay.	
	3' 0"	17' 0"	Gravel.	1983.75
		20' 0"		1980.75
	44' 0"		Clay.	
	3' 0"	64' 0"	Gravel, fine.	1936.75
	4' 0"	67' 0"	Clay and gravel.	1933.75
	5' 8"	71' 0"	Gravel, fine.	1929.75
		76' 8"		1924.08
	12' 4"		Sandstone.	
	0' 4"	89' 0"	COAL.	1911.75
	0' 8"	89' 4"	Shale.	1911.42
		90' 0"		1910.75
	19' 8"		Sandstone.	
	0' 3"	109' 8"	COAL.	1891.75
	0' 1"	109' 11"	Shale, brown.	1890.83
	4' 6"	110' 0"	Sandstone.	1890.75
	0' 2"	114' 6"	Shale and COAL.	1886.25
	0' 4"	114' 8"	Sandstone, coal mks.	1886.08
		115' 0"		1885.75
	13' 0"		Sandstone, fine.	
	2' 0"	128' 0"	Sandy shale.	1872.75
		130' 0"		1870.75
	14' 0"		Sandstone	
	1' 0"	144' 0"	Sandy shale.	1856.54
	1' 0"	145' 0"	Shale.	1855.75
	2' 0"	146' 0"	Sandstone.	1854.75
	3' 0"	148' 0"	Sandy shale.	1852.75
	1' 0"	151' 0"	Shale.	1849.75
	2' 0"	152' 0"	Sandy shale.	1848.75
	1' 0"	154' 0"	Sandstone, fine.	1846.75
	10' 0"	155' 0"	Sandy shale.	1845.75
	1' 6"	163' 0"	Sandstone.	1835.75
	1' 6"	166' 6"	Sandy shale, dark.	1834.25
	4' 6"	168' 0"	Sandstone, fine.	1832.75
	2' 6"	172' 6"	Sandy shale.	1828.25
	11' 6"	175' 0"	Sandstone.	1825.75
	0' 6"	186' 6"	Shale, dark, coal mks.	1814.25
	0' 3"	187' 0"	COAL.	1813.75
	0' 4"	187' 3"	Shale and COAL.	1813.50
	0' 2"	187' 7"	COAL.	1813.17
	0' 3"	187' 9"	Shale, dark, coal mks.	1813.00
	1' 0"	188' 0"	Sandy shale, dark.	1812.75
	13' 0"	189' 0"	Sandy shale.	1811.75
	1' 0"	202' 0"	Sandstone.	1798.75
	2' 0"	203' 0"	Sandy shale.	1797.75
	4' 0"	206' 0"	Sandstone.	1795.75
	5' 0"	209' 0"	Sandy shale.	1791.75
	0' 2"	214' 0"	Shale, dark, coal mks.	1786.75
	0' 2"	214' 2"	COAL.	1786.58
	0' 8"	214' 4"	Shale, brown.	1786.41
	0' 8"	215' 0"	Sandy shale, dark.	1785.75
	5' 4"	218' 8"	Sandstone.	1785.08
	11' 0"	221' 0"	Sandstone, hard.	1779.75
	4' 0"	232' 0"	Sandy shale.	1768.75
	1' 6"	236' 0"	Sandstone.	1764.75
	2' 6"	237' 6"	Shale.	1763.25
	5' 0"	240' 0"	Sandy shale.	1760.75
		245' 0"		1755.75
	12' 6"		Sandstone	
	2' 6"	257' 6"	Sandy shale.	1743.25
	3' 0"	260' 0"	Shale.	1740.75
	4' 0"	263' 0"	Sandstone.	1737.75
		267' 0"		1733.75
	16' 0"		Sandstone, hard.	
		283' 0"		1717.75
	70' 0"		Sandstone.	
	10' 0"	353' 0"	Sandstone, hard.	1647.75
	1' 0"	363' 0"	Sandstone.	1637.75
	1' 0"	364' 0"	Conglomerate, fine.	1636.75
		365' 0"		1635.75
	18' 0"			
	2' 0"	383' 0"	Shale, dark.	1617.75
	1' 0"	385' 0"	Shale, dark, coal mks.	1615.75
		386' 0"		1614.75
	21' 0"		Sandstone.	
	1' 0"	407' 0"	Conglomerate, fine.	1593.75
		408' 0"		1592.75
	43' 6"		Sandstone.	
	4' 6"	451' 6"	Sandy shale.	1549.25
	0' 3"	456' 0"	Shale.	1544.75
	0' 6"	456' 3"	Sandstone.	1544.50
	1' 3"	456' 9"	Shale.	1544.00
	3' 0"	458' 0"	Sandy shale.	1542.75
	6' 0"	461' 0"	Sandstone.	1539.75
	2' 0"	467' 0"	Shale.	1533.75
	6' 0"	469' 0"	Sandstone.	1531.75
	6' 0"	475' 0"	Sandy shale.	1525.75
	1' 0"	481' 0"	Sandstone.	1519.75
	1' 0"	482' 0"	Sandy shale and shale.	1518.75
	0' 9"	483' 0"	Sandy shale.	1517.75
	0' 3"	483' 9"	Sandstone.	1517.00
	2' 0"	484' 0"	Sandy shale, shale layers.	1516.75
	3' 0"	486' 0"	Sandy shale.	1514.75
	1' 0"	489' 0"	Shale.	1511.75
	5' 0"	490' 0"	Sandy shale.	1510.75
	1' 0"	495' 0"	Sandstone.	1505.75
	8' 0"	496' 0"	Sandy shale, shale layers.	1504.75
	1' 0"	504' 0"	Sandy shale.	1496.75
	2' 0"	505' 0"	Sandy shale, shale layers.	1495.75
	3' 0"	507' 0"	Sandy shale.	1493.75
	2' 0"	510' 0"	Sandy shale, shale layers.	1490.75
		512' 0"		1488.75
	50' 0"		Shale, dark.	
	5' 0"	562' 0"	Shale.	1438.75
	1' 5"	567' 0"	Shale, dark.	1433.75
	2' 7"	568' 5"	Shale, dark, coal mks.	1432.75
	11' 0"	571' 0"	Shale, dark.	1429.75
	0' 3"	582' 0"	Conglomerate.	1418.75
	0' 9"	582' 3"	Shale, dark.	1418.50
	0' 3"	583' 0"	Conglomerate.	1417.75
	0' 3"	583' 3"	Shale, dark.	1417.50
	0' 3"	583' 6"	Conglomerate.	1417.25
	1' 3"	583' 9"	Shale, dark.	1417.00
	0' 6"	585' 0"	Shale, soft, and COAL.	1415.75
	2' 8"	585' 6"	COAL, soft.	1415.25
	0' 2"	588' 2"	Shale, brown.	1412.58
	3' 2"	588' 4"	Shale, soft.	1412.41
	0' 6"	591' 6"	Sandy shale, hard, grey.	1409.25
		592' 0"		1408.75

Drilled: Oct. 19 - Dec. 16, 1918.  
 By: F.H. Wall.





W-118W

00720

(L8)

WESTERN FUEL CO.  
NO. 1 MINE

## BORE HOLE 118 - UNDERGROUND

No. 1 Level, No. 1 Mine, North Side, 2000' inbye from No. 1 Shaft  
(W.F. Co-ords., S. 6318, E. 11,657)  
Scale: 1 inch = 20 feet.

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
		0' 0"	Collar of hole	1414.±
	1' 6"	1' 6"	Shale, soft.	Datum -
	8' 6"	10' 0"	Conglomerate.	2000' below M.S.L.
	8' 6"		Conglomerate, hard.	1404.0
	5' 6"	18' 6"	Sandstone	1395.5
	0' 6"	24' 0"	Conglomerate.	1390.0
	2' 0"	24' 6"	Sandstone, with pebbles.	1389.5
	6' 0"	26' 6"	Sandstone.	1387.5
	2' 0"	32' 6"	Sandstone, with conglomerate bands.	1381.5
	10' 6"	34' 6"	Sandstone, with pebbles.	1379.5
	2' 0"	45' 0"	Sandstone, with conglomerate bands.	1369.0
	5' 0"	47' 0"	Sandstone, with pebbles.	1367.0
	8' 0"	52' 0"	Sandstone.	1362.0
	1' 0"	60' 0"	Sandstone, fine in layers with thin partings.	1354.0
	1' 1"	61' 0"	Shale, dark.	1353.0
	0' 6"	62' 1"	Shale and COAL.	1351.9
	0' 7"	62' 7"	COAL.	1351.4
	1' 2"	63' 2"	Shale.	1350.8
	0' 8"	64' 4"	COAL, dirty.	1349.6
	0' 1"	65' 0"	Shale.	1349.0
	1' 0"	65' 1"	COAL, clean.	1348.9
	0' 3"	66' 1"	Shale and COAL.	1347.9
	2' 8"	66' 4"	Shale, soft, broken.	1347.7
		69' 0"		1345.0

Drilled: Jan. 28 - Mar. 3, 1920.  
By: W. H. Wall.

00720

(L9)

W-119u

WESTERN FUEL CO.  
NO. 1 MINE

BORE HOLE 119 - UNDERGROUND

No 5 Level, just off No. 1 Diagonal Slope, No. 1 Mine South side  
(W.F. Co-ords., S. 8976.02, E. 14120.68)

Scale: 1 inch = 20 feet.

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
		0' 0"	Collar of hole	1041.0
	2' 3"	2' 3"	Shale, soft.	Datum -
	7' 9"	10' 0"	Conglomerate, coarse. Soft - 3'3" - 7'0"	2000' below M.S.L.
	3' 3"	13' 3"	Conglomerate.	1031.0
	13' 9"	27' 0"	Conglomerate, hard.	1027.7
	4' 3"	31' 3"	Conglomerate.	1014.0
	0' 6"	31' 9"	Sandstone.	1009.7
	8' 3"	35' 0"	Conglomerate.	1009.2
	6' 0"	41' 0"	Sandstone, with pebbles.	1006.0
	6' 0"	47' 0"	Conglomerate.	1000.0
	0' 6"	47' 6"	Sandstone, with pebbles.	994.0
	8' 9"	50' 9"	Conglomerate.	993.6
	1' 0"	51' 9"	Conglomerate, with ss.	990.2
	2' 6"	54' 3"	Conglomerate.	989.2
	1' 3"	55' 6"	Sandstone, with pebbles.	986.7
	4' 6"	60' 0"	Conglomerate.	985.5
	1' 3"	61' 3"	Sandstone, with pebbles.	981.0
	7' 9"	69' 0"	Conglomerate.	979.7
	1' 3"	70' 3"	Sandstone, hard.	972.0
	2' 0"	72' 3"	Conglomerate.	970.7
	1' 9"	74' 0"	Conglomerate, with bands of sandstone.	968.7
	0' 6"	74' 6"	Sandstone.	967.0
	2' 3"	76' 9"	Conglomerate.	966.5
	0' 9"	77' 6"	Sandstone.	964.2
	2' 6"	80' 0"	Conglomerate, soft, fine.	963.5
	5' 6"	85' 6"	Conglomerate, hard.	961.0
	0' 9"	86' 3"	Conglomerate.	955.8
	1' 6"	87' 9"	Conglomerate, with sandstone bands.	954.7
	0' 4"	88' 1"	Conglomerate, hard.	953.2
				952.9

Drilled: Mar. 9 - June 21, 1920.  
By: W. H. Wall.



120

W-120u

00720

(L10)

WESTERN FUEL CO.  
NO. 1 MINE

BORE HOLE 120-UNDERGROUND

In first X-cut between #5 + #6 S. Headings, 200' inbye #2 SE. Level, No. 1 Mine, S. side  
(W.F. Co-ords., S. 11321, E. 17908)

Scale: 1 inch = 20 feet.

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
		0' 0"	— Collar of hole —	1092. ±
	2' 0"	2' 0"	Shale and COAL.	Datum -
	1' 0"	3' 0"	Shale.	*2000' below M.S.L.
	7' 0"	10' 0"	Hard white rock.	1082.0
	6' 6"		Sandstone.	
	1' 6"	16' 6"	Shale, dark.	1075.5
		18' 0"		1074.0
	14' 0"		Sandstone.	
		32' 0"		1060.0
	9' 0"		Shale, dark.	
	5' 6"	41' 0"	Sandstone.	1051.0
	2' 6"	46' 6"	Shale, soft, black, with coal layers.	1045.5
	6' 0"	49' 0"	Sandstone.	1043.0
	8' 0"	55' 0"	Shale, dark.	1037.0
	10' 0"	63' 0"	Sandstone, hard, fine.	1029.0
	1' 6"	73' 0"	Sandy shale, hard.	1019.0
	7' 6"	74' 6"	Sandstone, fine.	1017.5
	10' 0"	82' 0"	Sandy shale.	1010.0
	5' 6"	92' 0"	Shale, hard.	1000.0
	4' 0"	97' 6"	Shale with irregular slips.	994.5
		101' 6"		990.5

Drilled: July 26 - Sept. 1, 1921.  
By: W.H. Wall.

101

W-101u

00720 (39)

(L)

WESTERN FUEL CO.  
NO. 1 MINE

BORE HOLE 101-UNDERGROUND  
On No. 1 Level inside No. 3 or Lamb's Incline

Scale: 1 inch = 20 feet.

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
		0' 0"	— Collar of hole —	Datum - 2000' below M.S.L.
	0' 6"	0' 6"	Fire clay.	
	3' 6"	4' 0"	Shale, dark.	
	7' 0"	11' 0"	Conglomerate.	
	0' 9"	11' 9"	Conglomerate, coarse.	
	1' 7"	13' 4"	Conglomerate.	
	0' 7"	13' 11"	Conglomerate, coarse.	
	0' 3"	14' 2"	Sandstone.	
	0' 6"	14' 8"	Conglomerate.	
	1' 2"	15' 10"	Sandstone.	
	1' 7"	17' 5"	Conglomerate.	
	11' 10"	29' 3"	Sandstone.	
	5' 0"	34' 3"	Sandstone, with pebbles.	
	6' 9"	41' 0"	Sandstone, hard.	
	6' 0"	47' 0"	Sandstone.	
	0' 1"	47' 1"	COAL.	
	0' 11"	48' 0"	Shale, dark.	
	1' 6"	49' 6"	Fire clay.	
	1' 10"	51' 4"	Shale.	
	0' 11"	52' 3"	COAL.	
	1' 5"	53' 8"	Sandy shale.	

Drilled: July 9 - Aug. 30, 1915.  
By: Jas. Gilmour.

WESTERN FUEL CO.  
WAKESIAH

BORE HOLE 102

On farm (S.1, Nan. Dist.), 300' N.E. of N.E. cor. S.9, R.8, Mtn. Dist.  
(W.F. co-ords., S.9962.97, E.669.69)  
Scale: 1 inch = 20 feet.

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
		0' 0"	Collar of hole	2240.70
				Datum - 2000' below M.S.L.
	45' 0"		Surface.	
	2' 0"	45' 0"	Volcanic grit (boulder?)	2195.70
	1' 4"	47' 0"	Gravel.	2193.70
	0' 3"	48' 4"	Boulders.	2192.70
	1' 5"	48' 7"	Boulders and gravel.	2192.12
	4' 0"	50' 0"	Clay and gravel.	2190.70
	4' 0"	54' 0"	Clay.	2186.70
	1' 0"	58' 0"	Gravel and boulders.	2182.70
	7' 0"	59' 0"	Clay and gravel.	2181.70
	1' 0"	66' 0"	Clay, gravel and boulders.	2174.70
	1' 0"	67' 0"	Clay and gravel.	2173.70
	2' 0"	68' 0"	Shale.	2172.70
		70' 0"		2170.70
	15' 0"		Clay shale - coal markings at 76' and 79'	
		85' 0"		2155.70
	20' 0"		Sandstone.	
		105' 0"		2135.70
	1' 0"	106' 0"	Shale, soft, brown, with coal markings.	2134.70
	24' 0"		Sandstone, shaly.	
		130' 0"		2110.70
	1' 6"	131' 6"	Shale, soft, brown, with coal markings.	2109.20
	5' 6"		Shale, slaty color.	
		138' 0"		2102.70
	13' 0"		Shale and sandstone mixed.	
	3' 0"	151' 0"	Shale, slaty.	2089.70
	1' 8"	154' 0"	Shale, brown.	2086.70
		155' 8"		2085.03
	12' 4"		Shale, slaty.	
		168' 0"		2072.70
	10' 0"		Sandstone, dark, shaly and broken.	
		178' 0"		2062.70
	22' 0"		Sandstone, shaly.	
	1' 0"	200' 0"	Shale, brown.	2040.70
	2' 0"	201' 0"	Shale, slaty.	2039.70
	0' 6"	203' 0"	Shale, brown.	2037.70
	6' 6"	203' 6"	Sandstone, dark.	2037.20
	0' 4"	210' 0"	Shale, brown, coal mks.	2030.70
	9' 8"	210' 4"	Shale, slate color.	2030.37
	1' 6"	220' 0"	Shale, brown.	2020.70
	3' 0"	221' 6"	Shale, slate color.	2019.20
	4' 6"	224' 6"	Sandstone.	2016.20
	4' 0"	229' 0"	Shale, slaty.	2011.70
	0' 5"	233' 0"	COAL.	2007.70
	0' 7"	233' 5"	Shale, brown.	2007.28
		234' 0"		2006.70
	12' 0"		Shale and sandstone, mixed strata.	
		246' 0"		1994.70
	14' 0"		Sandstone, dark gray.	
		260' 0"		1980.70
	10' 0"		Sandstone, fractured, with strong dip.	
		270' 0"		1970.70
	8' 0"		Sandstone, dark, blocky, with strong dip.	
		278' 0"		1962.70
	20' 0"		Sandstone.	
	1' 7"	298' 0"	Shale.	1942.70
	5' 8"	299' 7"	COAL.	1941.12
	7' 3"	305' 3"	Shale.	1935.45
	3' 0"	312' 6"	COAL.	1928.20
	1' 0"	315' 6"	Shale, light brown.	1925.20
	0' 6"	322' 6"	Shale, dark, with coal markings.	1918.20
	3' 9"	323' 0"	COAL.	1917.70
	2' 7"	326' 9"	Shale.	1913.95
		329' 4"		1911.37
	9' 4"		COAL.	
	2' 4"	338' 8"	Sandstone, coal mks.	1902.04
	5' 0"	341' 0"	Sandstone, pinkish gray.	1899.70
		346' 0"		1894.70

Drilled: July 10 - Oct. 13, 1917.  
By: I. Emblem, Jas. A. Irvine.



WESTERN FUEL CO.  
RESERVE

BORE HOLE 103

300' E. of N.W. cor. of frac., S.18, R.7, Cranberry Dist.  
(W.F. co-ords., S.14795.34, E.25901.06)

Scale: 1 inch = 20 feet.

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
		0' 0"	Collar of hole	2010.45
	7' 0"	7' 0"	Soil.	Datum - 2000 below M.S.L.
	14' 0"		Clay Gravel.	
	1' 0"	21' 0"	Clay.	1989.45
		22' 0"		1988.45
	40' 0"		Sandstone.	
	1' 0"	62' 0"	Shale.	1948.45
	5' 0"	63' 0"	Sandstone	1947.45
	0' 6"	68' 0"	Shale.	1942.45
	0' 5"	68' 5"	COAL.	1941.95
		68' 11"		1941.53
	13' 1"		Sandstone.	
	1' 0"	82' 0"	Shale, coal markings.	1928.45
		83' 0"		1927.45
	7' 0"		Sandstone.	
	2' 0"	90' 0"	Sandy shale.	1920.45
		92' 0"		1918.45
	9' 6"		Sandstone.	
	0' 4"	101' 6"	COAL.	1908.45
	0' 8"	101' 10"	Shale.	1908.62
		102' 6"		1907.95
	32' 6"		Sandstone.	
	1' 0"	135' 0"	Sandstone, brown, coal markings.	1875.45
	5' 0"	136' 0"	Sandstone.	1874.45
	0' 4"	141' 0"	COAL.	1869.45
	1' 8"	141' 4"	Shale.	1869.12
	9' 0"	143' 0"	Sandstone.	1867.45
	0' 5"	152' 0"	COAL.	1858.45
		152' 6"		1857.95
	13' 6"		Sandstone.	
		166' 0"		1844.45
	13' 0"		Sandstone, shaly.	
	2' 0"	179' 0"	Shale.	1831.45
	2' 0"	181' 0"	Sandy shale.	1829.45
		183' 0"		1827.45
	8' 0"		Shale.	
	4' 0"	191' 0"	Sandstone, coal mks.	1819.45
	5' 0"	195' 0"	Shale.	1815.45
		200' 0"		1810.45
	50' 0"		Sandstone.	
	1' 0"	250' 0"	Sandy shale, coal mks.	1760.45
	6' 0"	251' 0"	Shale, brown	1759.45
		257' 0"		1753.45
	43' 0"		Sandstone.	
	1' 0"	300' 0"	Shale.	1710.45
		301' 0"		1709.45
	44' 0"		Sandstone.	
	1' 0"	345' 0"	Shale.	1665.45
	2' 0"	346' 0"	Sandy shale.	1664.45
		348' 0"		1662.45
	58' 0"		Sandstone.	
	12' 0"	406' 0"	Shale.	1604.45
	9' 0"	418' 0"	Sandstone, with showing of conglomerate.	1592.45
	10' 0"	427' 0"	Sandstone, broken.	1583.45
	3' 0"	437' 0"	Shale.	1573.45
	5' 0"	440' 0"	Sandstone.	1570.45
	7' 0"	445' 0"	Shale, broken.	1565.45
	6' 0"	452' 0"	Sandy shale, broken.	1558.45
	8' 0"	458' 0"	Sandstone.	1552.45
	11' 0"	466' 0"	Shale.	1544.45
	9' 0"	477' 0"	Sandstone, broken.	1533.45
	7' 0"	486' 0"	Sandstone, shaly.	1524.45
	8' 0"	493' 0"	Sandstone.	1517.45
	2' 0"	501' 0"	Shale.	1509.45
	2' 0"	503' 0"	Sandstone.	1507.45
		505' 0"		1505.45
	15' 0"		Shale.	
	8' 0"	520' 0"	Sandstone, coarse.	1490.45
	1' 0"	528' 0"	Sandstone.	1482.45
		529' 0"		1481.45
	16' 0"		Sandy shale.	
		545' 0"		1465.45
	13' 0"		Shale.	
	4' 0"	558' 0"	Sandy shale.	1452.45
		562' 0"		1448.45
	20' 0"		Shale.	
	9' 0"	582' 0"	Conglomerate, fine.	1428.45
	8' 0"	591' 0"	Shale.	1419.45
	6' 6"	599' 0"	COAL.	1411.45
	1' 6"	605' 6"	Shale.	1404.45
	0' 6"	607' 0"	Shale.	1403.45
	0' 6"	607' 6"	Shale.	1402.45
	0' 10"	608' 0"	Shale.	1401.62
	1' 2"	608' 10"	COAL.	1400.45
	1' 0"	610' 0"	COAL, soft, not very clean	1400.45
		611' 0"	Shale.	1399.45

Drilled: Oct. 23 - Dec. 13, 1917.  
By: J.A. Irvine, C. Saunders,  
T. Brown, W. Green.

WESTERN FUEL CO.  
WAKESIAH

BORE HOLE 104

On farm (S.1, Nan. Dist), 1000' N.E. of N.E. cor. S.9, R.8, Mfn. Dist.  
(W.F. co-ords., 5.9310.19, E. 930.54)  
Scale: 1 inch = 20 feet.

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
		0' 0"	Collar of hole	2194.41
	6' 0"	6' 0"	Soil.	2189.41
	4' 0"	10' 0"	Conglomerate.	Datum - 2000' below M.S.L. 2184.41
	5' 0"	15' 0"	Broken ground, 2' clay.	2179.41
	5' 0"	20' 0"	Shale.	2174.41
	15' 0"		Clay shale, blue.	
	2' 0"	35' 0"	Shale, blue.	2159.41
	3' 0"	37' 0"	Sandstone.	2157.41
	2' 0"	40' 0"	Shale.	2154.41
	2' 0"	42' 0"	Conglomerate.	2152.41
	2' 0"	44' 0"		2150.41
	26' 0"		Shale, blue.	
	1' 0"	70' 0"	Sandy shale, 1" coal.	2124.41
		71' 0"		2123.41
	9' 0"		Shale, blue.	
		80' 0"		2114.41
	16' 0"		Sandstone.	
	2' 0"	96' 0"	Shale.	2098.41
	1' 0"	98' 0"	Sandstone.	2096.41
		99' 0"		2095.41
	20' 0"		Shale.	
		119' 0"		2075.41
	21' 0"		Sandy shale.	
		140' 0"		2054.41
	30' 0"		Shale.	
	2' 0"	170' 0"	Sandstone.	2024.41
		172' 0"		2022.41
	20' 0"		Shale.	
	2' 0"	192' 0"	Shale, brown.	2002.41
		194' 0"		2000.41
	13' 0"		Sandy shale.	
	1' 0"	207' 0"	Shale, brown.	1987.41
		208' 0"		1986.41
	7' 0"		Sandy shale.	
	5' 0"	215' 0"	Shale.	1979.41
	6' 0"	220' 0"	Shale, blue.	1974.41
	2' 0"	226' 0"	Shale, brown.	1968.41
	6' 0"	228' 0"	Shale, blue.	1966.41
	11' 0"	234' 0"	Shale.	1960.41
	0' 6"	245' 0"	COAL.	1949.41
	0' 6"	245' 6"	Shale.	1948.91
	1' 0"	246' 0"	COAL.	1948.41
	0' 6"	247' 0"	Shale.	1947.41
	1' 6"	247' 6"	COAL.	1946.41
		249' 0"		1945.41
	21' 0"		Shale.	
		270' 0"		1984.41
	20' 0"		Sandy shale.	
	0' 3"	290' 0"	COAL.	1904.41
	1' 9"	290' 3"	Shale, with slight coal markings.	1904.06
	4' 0"	292' 0"	Shale, brown, with heavy coal markings.	1902.41
		296' 0"		1898.41
	22' 0"		Sandstone.	
	2' 0"	318' 0"	Shale.	1876.41
	2' 0"	320' 0"	Sandstone.	1874.41
	5' 0"	322' 0"	Conglomerate, fine, grey.	1872.41
	4' 0"	327' 0"	Conglomerate, trap rock.	1867.41
		331' 0"		1863.41

Drilled: Dec. 26, 1917 - Jan. 5, 1918.  
By: J.A. Irvine, T. Brown,  
C. Saunders, W. Green.

WESTERN FUEL CO.  
WAKESIAH

BORE HOLE 105

On farm, (S.1, Nan. Dist.), 1250' E.S.E. of N.E. cor., S.9, R.8, Mtn. Dist.  
(W.F. co-ords., S.10065.33, E.1749.68)  
Scale: 1 inch = 20 feet.

SECTION	THICKNESS	DEPTH	MATERIAL.	ELEVATION
		0' 0"	Collar of hole	2208.86
	13' 0"		Clay and gravel.	Datum - 2000' below M.S.L.
		13' 0"		2195.86
	35' 0"		Conglomerate.	
	5' 0"	48' 0"	Conglomerate, fine.	2160.86
	0' 9"	53' 0"	Sandstone.	2155.86
	1' 6"	53' 9"	Conglomerate.	2155.11
		55' 3"		2153.61
	42' 9"		Shale.	
	2' 0"	98' 0"	Sandstone.	2110.86
		100' 0"		2108.86
	87' 0"		Shale.	
		187' 0"		2021.86
	14' 0"		Sandstone.	
	5' 0"	201' 0"	Shale.	2007.86
		206' 0"		2002.86
	10' 0"		Shale, brown, soft, broken.	
		216' 0"		1992.86
	21' 0"		Shale	
	1' 0"	237' 0"	Shale, brown, coal mags.	1971.86
	3' 0"	238' 0"	Shale.	1970.86
	2' 0"	241' 0"	Sandstone.	1967.86
		243' 0"		1965.86
	14' 0"		Shale.	
	1' 0"	257' 0"	Shale, brown, with coal.	1951.86
		258' 0"		1950.86
	15' 0"		Shale, broken.	
	1' 0"	273' 0"	Shale, brown.	1935.86
	3' 0"	274' 0"	Shale.	1934.86
	5' 0"	277' 0"	Shale, brown, coal mags.	1931.86
	0' 3"	282' 0"	Sandstone, brown carbon.	1925.86
	0' 9"	282' 3"	Sandstone, grey pinkish.	1925.61
	3' 0"	283' 0"	Mixture of shale and green trap.	1925.86
	6' 0"	286' 0"	Trap - "looked like trap rock."	1922.86
		292' 0"		1916.86

Drilled: Jan. 12-21, 1918.  
By: J.A. Irvine, T. Brown,  
C. Saunders, W. Green.



W-106

00720

(L6)

WESTERN FUEL CO.  
WAKESIAH

BORE HOLE 106

On farm, (S.1, Nan. Dist.), 750' E.S.E. of N.E. cor., S.9, R.8, Mtn. Dist.  
(W.F. co-ords., S.10109.31, E.1286.91)

Scale: 1 inch = 20 feet.

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
		0' 0"	Collar of hole	2221.13
	13' 0"		Clay and gravel.	Datum - '2000' below M.S.L.
		13' 0"		2208.13
	45' 0"		Gravel.	
	3' 0"	58' 0"	Clay and gravel.	2163.13
	3' 0"	61' 0"	Gravel	2160.13
		14' 0"		2147.13
	63' 0"		Shale, first 11' soft.	
	3' 0"	137' 0"	Sandstone.	2084.13
		140' 0"		2081.13
	10' 0"		Shale, dark.	
		150' 0"		2071.13
	65' 0"		Shale.	
	3' 0"	215' 0"	Shale, brown.	2006.13
	10' 0"	218' 0"	Shale.	2003.13
	2' 0"	228' 0"	Shale, brown.	1993.13
	0' 6"	230' 0"	Shale, brown and COAL.	1991.13
	1' 6"	230' 6"	Shale, grey.	1990.63
	0' 4"	232' 0"	Shale, brown.	1989.13
		232' 4"		1988.80
	11' 8"		Shale, grey.	
	5' 0"	244' 0"	Shale.	1977.13
	1' 0"	249' 0"	Shale, brown.	1972.13
	3' 0"	250' 0"	Shale, grey.	1971.13
	1' 6"	253' 0"	Shale, brown.	1968.13
	1' 4"	254' 6"	COAL.	1966.63
	0' 8"	255' 10"	Shale, brown.	1965.30
	2' 6"	256' 6"	Shale.	1964.63
	0' 3"	259' 0"	Shale, coal markings.	1962.13
	10' 9"	259' 3"	Shale.	1961.88
		270' 0"		1951.13
	16' 0"		Sandy shale.	
	3' 6"	286' 0"	Shale.	1935.13
	2' 0"	289' 6"	COAL.	1931.63
	0' 6"	291' 6"	Shale, coal markings.	1929.63
	1' 0"	292' 0"	Shale, brown.	1929.13
	7' 0"	293' 0"	Sandy shale.	1928.13
	2' 0"	300' 0"	Shale, dark brown.	1921.13
	6' 0"	302' 0"	Sandy shale.	1919.13
	8' 2"	308' 0"	COAL.	1913.13
	1' 2"	316' 2"	Shale, coal markings.	1904.96
	1' 0"	317' 4"	COAL.	1903.79
	2' 2"	319' 4"	Carbon sandstone.	1901.79
	3' 0"	322' 0"	Sandstone, pinkish grey.	1899.13
		325' 0"		1896.13

Drilled: Jan. 15 - Feb. 12, 1918.  
By: J.A. Irvine, T. Brown,  
C. Saunders, W. Green.

W-107

00720

(L7)

WESTERN FUEL CO.  
WAKESIAH

BORE HOLE 107

On farm (S.1, Nan. Dist.) 700' N.E. of N.E. cor. S.9, R.8, Mtn. Dist.  
(W.F. co-ords., S.9627.20, E.788.56)  
Scale: 1 inch = 20 feet.

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
		0' 0"	Collar of hole	2202.33
	3' 0"	3' 0"	Dirt.	2199.33
	3' 0"	6' 0"	Gravel with dirt.	2196.33
	4' 0"	10' 0"	Cemented gravel.	2192.33
	4' 0"	14' 0"	Gravel.	2188.33
	3' 0"	17' 0"	Gravel and boulders.	2185.33
	6' 0"	23' 0"	Fine gravel and clay.	2179.33
	4' 0"	27' 0"	Clay and gravel.	2175.33
	5' 0"	32' 0"	Gravel.	2170.33
	7' 0"	39' 0"	Conglomerate, fine.	2163.33
	21' 0"		Conglomerate.	
	4' 0"	60' 0"	Conglomerate, fine.	2142.33
		64' 0"		2138.33
	76' 0"		Shale.	
	3' 0"	140' 0"	Shale, brown.	2062.33
		143' 0"		2059.33
	71' 0"		Shale.	
	0' 6"	214' 0"	COAL.	1988.33
	3' 6"	214' 6"	Shale, grey.	1987.33
	1' 0"	218' 0"	Shale, brown.	1984.33
	11' 0"	219' 0"	Shale.	1983.33
	0' 6"	230' 0"	Shale, brown.	1972.33
	8' 0"	230' 6"	Shale, grey.	1971.83
	1' 6"	238' 6"	COAL and shale.	1963.83
	2' 0"	240' 0"	Shale.	1962.33
		242' 0"		1960.33
	20' 0"		Sandy shale.	
	2' 0"	262' 0"	Shale.	1940.33
		264' 0"		1938.33
	18' 0"		Sandy shale.	
		282' 0"		1920.33
	15' 0"		Shale, broken.	
	3' 0"	297' 0"	Shale, brown.	1905.33
		300' 0"		1902.33
	16' 0"		Volcanic rock.	
		316' 0"		1886.33
	12' 0"		Sandstone.	
	7' 0"	328' 0"	Shale.	1874.33
	1' 0"	335' 0"	Sandstone.	1867.33
		336' 0"		1866.33
	8' 0"	344' 0"	Shale.	1858.33
	0' 4"	344' 4"	Conglomerate.	1858.00
	2' 0"	346' 4"	Shale.	1856.00
	2' 8"	349' 0"	Conglomerate.	1853.33
	5' 0"	354' 0"	Trap.	1848.33

Drilled: Feb. 15 - Mar. 1, 1918.  
By: J.A. Irvine, T. Brown,  
C. Saunders, W. Green.

WESTERN FUEL CO.  
NO. 5 SOUTHFIELD

BORE HOLE 108

On S. Wellington Road near No. 5 Shaft, S.2, Nan. Dist.  
(W.F. co-ords., S. 17876.69, E. 21303.56)  
Scale 1 inch = 20 feet.

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
		0' 0"	Collar of hole	2053.87
	4' 0"	4' 0"	Sandy loam.	Datum -
	3' 6"	7' 6"	Sand and gravel.	*200' below M.S.L.
	8' 6"		Gravel, fine.	
		16' 0"		2037.87
	5' 0"		Gravel, boulders.	
	3' 0"	21' 0"	Gravel, fine.	2032.87
	2' 0"	24' 0"	Clay and gravel.	2029.87
		26' 0"		2027.87
	17' 6"		Sandstone.	
	0' 2"	48' 6"	Shale and coal.	2010.37
	0' 1"	43' 8"	COAL.	2010.20
		43' 9"		2010.12
	56' 0"		Sandstone.	
	0' 10"	99' 9"	Shale, dark.	1954.12
		100' 7"		1953.29
	19' 9"		Sandstone.	
	0' 4"	120' 4"	Shale, dark.	1933.54
		120' 8"		1933.21
	22' 4"		Sandstone.	
	3' 0"	143' 0"	Shale, dark.	1910.87
		146' 0"		1907.87
	9' 9"		Sandstone.	
	0' 3"	155' 9"	Shale, dark.	1898.12
		156' 0"		1897.87
	21' 3"		Sandstone.	
	0' 9"	177' 3"	Conglomerate.	1876.62
	4' 0"	178' 0"	Sandstone.	1875.87
		182' 0"		1871.87
	10' 0"		Sandstone, hard.	
				1720.45
	26' 3"		Sandstone.	
	0' 8"	241' 0"	Shale, dark, coal mks.	1812.87
	2' 7"	241' 5"	Sandstone.	1812.45
	1' 0"	244' 0"	Sandy shale, leaf fossils.	1809.87
	3' 0"	245' 0"	Sandstone.	1808.87
	5' 0"	248' 0"	Sandy shale.	1805.87
	6' 0"	253' 0"	Sandstone.	1800.87
	1' 6"	259' 0"	Sandy shale.	1794.87
	4' 6"	260' 6"	Sandstone.	1793.87
	4' 9"	265' 0"	Sandstone, very hard.	1788.87
	1' 3"	269' 9"	Conglomerate.	1784.12
	0' 6"	271' 0"	Sandy shale, dark.	1782.87
	6' 3"	277' 9"	Sandstone, fine.	1782.37
	0' 3"	278' 0"	Conglomerate.	1776.12
				1775.87
	22' 0"		Sandstone.	
	2' 7"	300' 0"	Sandstone, hard.	1763.87
		302' 7"		1751.29
	9' 2"		Sandstone.	
	0' 3"	311' 9"	Conglomerate.	1742.12
		312' 0"		1741.87
	32' 0"		Sandstone.	
	0' 3"	344' 0"	Shale.	1709.87
	5' 9"	344' 3"	Sandstone.	1709.62
	6' 0"	350' 0"	Sandy shale.	1703.87
		356' 0"		1697.87
	27' 0"		Shale.	
	7' 0"	383' 0"	Sandstone, hard.	1670.87
		390' 0"		1663.87
	13' 0"		Sandstone.	
	8' 0"	403' 0"	Shale.	1650.87
	4' 9"	411' 0"	Sandy shale.	1642.87
	10' 3"	426' 0"	Conglomerate.	1638.12
	1' 0"	427' 0"	Sandstone, hard.	1627.87
	9' 0"	436' 0"	Conglomerate.	1626.87
	1' 0"	437' 0"	Sandstone.	1617.87
	6' 7"	443' 7"	Conglomerate.	1616.87
	0' 5"	444' 0"	Sandstone.	1610.29
	0' 3"	444' 3"	Sandy shale, dark.	1609.87
	0' 4"	444' 3"	Shale, dark, coal mks.	1609.62
	0' 11"	444' 7"	Conglomerate.	1609.29
	0' 6"	448' 0"	Sandstone.	1608.37
	2' 0"	448' 0"	Sandy shale, dark, coal mks.	1607.87
	1' 0"	449' 0"	Sandstone.	1606.87
	4' 0"	453' 0"	Conglomerate.	1604.87
	1' 0"	453' 6"	Sandy shale, dark.	1600.87
	3' 4"	454' 6"	Sandstone.	1599.87
	2' 2"	457' 10"	Sh. with dk. shale and agl. bands.	1596.04
	3' 4"	460' 0"	Conglomerate.	1593.87
	0' 8"	463' 4"	Sandy shale, coal mks.	1590.54
	2' 0"	464' 0"	Conglomerate.	1589.87
	0' 5"	466' 0"	Sandstone.	1587.87
	1' 7"	466' 8"	Shale and coal, with coal bands to 3"	1587.98
	0' 6"	468' 0"	Shale.	1585.87
	0' 5"	468' 6"	COAL and shale.	1585.37
	1' 2"	468' 11"	COAL.	1584.95
	3' 1"	470' 1"	COAL, with shale.	1583.78
	1' 9"	473' 2"	Shale, with coal.	1580.70
	4' 6"	474' 11"	Sandy shale.	1578.46
	1' 7"	473' 5"	Shale.	1574.45
	1' 0"	481' 0"	Sandy shale, hard.	1572.87
	1' 0"	482' 0"	Shale.	1571.87
	4' 0"	483' 0"	Sandy shale.	1570.87
	2' 0"	487' 0"	Conglomerate.	1566.87
	1' 0"	489' 0"	Sandstone, fine.	1564.87
		490' 0"		1563.87
	0' 5"	466' 5"	Shale with COAL.	1587.45
	0' 4"	466' 10"	COAL and shale.	1587.03
	0' 1"	467' 2"	Shale, with coal mks.	1586.70
	0' 2"	467' 3"	COAL.	1586.62
	0' 1"	467' 3"	COAL and shale.	1586.45
	0' 3"	467' 6"	Shale with COAL.	1586.37
	0' 3"	467' 9"	COAL.	1586.12
	0' 6"	468' 0"	Shale.	1585.87
	0' 1"	468' 6"	Shale.	1585.37
	0' 2"	468' 7"	COAL and shale.	1585.29
	0' 1"	468' 9"	COAL.	1585.12
	0' 1"	468' 10"	Shale with COAL.	1585.04
	1' 2"	470' 1"	COAL.	1584.96
	0' 2"	470' 3"	Shale.	1583.79
	0' 1"	470' 4"	COAL.	1583.62
	0' 9"	471' 1"	COAL with shale.	1583.54
	0' 2"	471' 3"	COAL.	1582.79
	0' 10"	471' 3"	COAL with shale.	1582.62
	0' 1"	472' 1"	COAL.	1581.79
	0' 9"	472' 2"	COAL with shale.	1581.71
	0' 3"	472' 11"	COAL.	1580.96
		473' 2"		1580.71
	1' 9"		Shale, with COAL.	
		474' 11"		1578.46



00720

109

W-109

(19)

WESTERN FUEL CO.  
WAKESIAH

BORE HOLE 109  
On farm (S.1, Nan. Dist.), 1400' S.E. of N.E. cor. S.9, R.8, Mtn. Dist.  
(W.F. co-ords., S.10458.67, E.1976.93)  
Scale: 1 inch = 20 feet.

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
		0' 0"	Collar of hole	2231.71
	5' 0"	5' 0"	Soil.	Datum -
	7' 0"	12' 0"	Gravel and sand.	2000' below M.S.L.
				2219.71
	19' 0"		Gravel.	
		31' 0"		2200.17
	9' 0"	40' 0"	Gravel, signs of clay.	
	5' 0"	45' 0"	Gravel.	2191.17
				2186.17
	14' 0"		Gravel, with clay.	
	1' 0"	59' 0"	Gravel.	2172.17
		60' 0"		2171.17
	22' 0"		Gravel and clay.	
	2' 0"	82' 0"	Sandy shale.	2149.71
	2' 0"	84' 0"	Shale.	2147.71
	3' 0"	86' 0"	Sandy shale.	2145.71
		89' 0"		2142.71
	4' 0"		Shale.	
	2' 0"	130' 0"	Shale, brown.	2101.71
		132' 0"		2099.71
	84' 0"		Shale.	
		216' 0"		2015.71
	19' 0"		Sandy shale.	
	7' 0"	235' 0"	Shale, brown.	1996.71
	7' 0"	242' 0"	Shale.	1989.71
	2' 0"	249' 0"	Shale, brown.	1982.71
		251' 0"		1980.71
	19' 8"		Shale.	
	0' 3"	270' 8"	Shale, brown.	1961.04
	0' 1"	270' 11"	COAL.	1960.79
	2' 0"	271' 0"	COAL, with shale.	1960.71
		273' 0"		1958.71
	15' 0"		Sandstone, with shale.	
		288' 0"		1943.71
	10' 0"		Sandy shale.	
	3' 0"	298' 0"	Shale, brown.	1933.71
		301' 0"		1930.71
	25' 0"		Shale, brown sandy.	
	1' 0"	326' 0"	Sandy shale, brown.	1905.71
	1' 6"	327' 0"	Shale, brown. COAL.	1904.71
	1' 6"	328' 6"	Shale.	1903.21
	6' 0"	330' 0"	COAL.	1901.71
	1' 0"	336' 0"	Shale, brown.	1895.71
	5' 0"	337' 0"	Trap.	1894.71
		342' 0"		1889.71

Drilled: Mar. 4-18, 1918.  
By: C. Saunders, T. Brown,  
W. Green.

W-110

00720 (39)

L10

WESTERN FUEL CO.  
WAKESIAH

BORE HOLE 110

On farm (S.1, Nan. Dist.), 2000' E. of N.E. cor. S.9, R.8, Mtn. Dist.  
(W.F. co-ords., S.10484.60, E.2983.56)

Scale: 1 inch = 20 feet.

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
		0' 0"	Collar of hole	2203.39
	4' 0"	4' 0"	Soil.	Datum - 2000' below M.S.L.
	8' 0"	12' 0"	Clay and gravel.	2191.39
	10' 0"		Gravel.	
	3' 0"	22' 0"	Gravel and boulders.	2181.39
	4' 0"	25' 0"	Gravel.	2178.39
		29' 0"		2174.39
	28' 0"		Conglomerate.	
	1' 0"	57' 0"	Shale, with COAL.	2146.39
	1' 0"	58' 0"	Conglomerate.	2145.39
	1' 0"	59' 0"	Sandstone, hard.	2144.39
	8' 0"	60' 0"	Conglomerate.	2143.39
	7' 0"	68' 0"	Sandy shale.	2135.39
	7' 0"	75' 0"	Sandstone.	2128.39
		82' 0"		2121.39
	45' 0"		Conglomerate.	
	3' 0"	127' 0"	Shale.	2076.39
	7' 0"	130' 0"	Sandy shale.	2073.39
		137' 0"		2066.39
	19' 0"		Shale.	
		156' 0"		2047.39
	13' 0"		Shale, blue.	
	4' 0"	169' 0"	Shale, brown.	2034.39
	3' 0"	173' 0"	Shale, blue.	2030.39
		176' 0"		2027.39
	20' 0"		Shale.	
	5' 0"	196' 0"	Shale, grey.	2007.39
	1' 0"	201' 0"	Shale, brown, coal mks.	2002.39
	6' 0"	202' 0"	Shale, grey.	2001.39
		208' 0"		1995.39
	19' 0"		Shale.	
		227' 0"		1976.39
	39' 0"		Conglomerate.	
	5' 0"	266' 0"	Shale.	1937.39
	7' 0"	271' 0"	Shale, blue.	1932.39
	5' 5"	278' 0"	Shale, brown.	1925.39
	1' 7"	283' 5"	COAL.	1919.39
		285' 0"		1918.39
	27' 9"		Shale.	
	0' 3"	312' 9"	Shale, brown, coal mks.	1890.64
	15' 0"	313' 0"	Shale.	1890.39
	1' 0"	328' 0"	Shale, blue.	1875.39
	3' 0"	329' 0"	Shale, brown.	1874.39
	3' 0"	330' 0"	COAL.	1873.39
	3' 0"	333' 0"	Shale.	1870.39
	1' 0"	334' 0"	COAL.	1869.39
	8' 9"	335' 0"	Shale.	1868.39
	3' 3"	343' 9"	Shale, brown, coal mks.	1859.64
	3' 0"	347' 0"	Shale, grey.	1853.39
	1' 6"	350' 0"	Shale, brown.	1851.89
	5' 0"	351' 6"	COAL.	1846.89
	1' 0"	356' 6"	Sandy shale, brown.	1845.89
	2' 6"	357' 6"	Trap.	1843.39
		360' 0"		

Drilled: Mar. 21 - Apr. 13, 1918.  
By: C. Saunders, T. Brown,  
W. Green.

Naraino B.H. 41  
 STATE CANADIAN CALIFORIES.  
 COMPANY (Dunsmuir) Ltd.  
 COUNTY FARM WELL NO. C-41  
 BLOCK SEC. 8 R. 7. SURVEY (prospect hole #41.)  
 SEC. Cranberry D. Wellington Field  
 T. R. TOTAL DEPTH 907' 0"

CONTRACTOR  
 COMMENCED Oct 30, 1918  
 COMPLETED Jan 28, 1919  
 REMARKS (L)

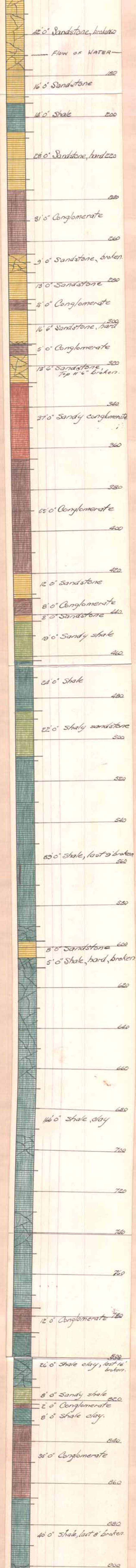
ALTIITUDE  
 PRODUCTION 43.21

CASING RECORD

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

00720

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





00720 (42)

Range 7, Section 8, Cranberry Dis.

CANADIAN COLLIERIES (DUNSMUIR) LTD.

C-41

PROSPECT HOLE N<sup>o</sup> 41.  
WELLINGTON FIELD.

(42)

SCALE 1"=20'

Material	Section	Thick.	Depth		Date
			below Surface	Elev.	
Soil		1' 0"	0'	0'	Oct. 30, 1918
Hardpan		11' 0"	0'	12' 0"	2031-21 Nov. 3
Boulders		4' 0"	0'	16' 0"	2027-21
Sandstone		17' 0"	0'	33' 0"	2010-21
Sandy Shale		17' 0"	0'	50' 0"	1993-21 " 6
Sandstone (Hard)		2' 0"	0'	52' 0"	1991-21 " 6
Coal		10' 0"	0'	62' 0"	1981-21 " 7
		3' 0"	0'	62' 3"	1980-96 " 7
Sandstone		27' 9"	0'	90' 0"	1958-21
Crystallized Sandstone		9' 0"	0'	99' 0"	1944-21
Shaley Sandstone		4' 0"	0'	103' 0"	1940-21 " 9
Sandy Shale		32' 0"	0'	135' 0"	1908-21
Sandstone (Broken)		31' 0"	0'	166' 0"	1877-21 " 15
Sandstone (Hard)		11' 0"	0'	177' 0"	1866-21
"		16' 0"	0'	193' 0"	1850-21
Shale		14' 0"	0'	207' 0"	1836-21 " 19
Sandstone		28' 0"	0'	235' 0"	1808-21
Conglomerate		31' 0"	0'	266' 0"	1777-21 " 25
Sandstone (Broken)		9' 0"	0'	275' 0"	1768-21
"		13' 0"	0'	288' 0"	1755-21 Dec. 3
Conglomerate		5' 0"	0'	293' 0"	1750-21
Sandstone (Hard)		15' 0"	0'	308' 0"	1738-21
" (Broken)		6' 0"	0'	309' 0"	1738-71
Conglomerate		5' 0"	0'	314' 0"	1728-71 " 5
Sandstone (Broken)		11' 0"	0'	326' 0"	1717-21 " 6
"		2' 0"	0'	328' 0"	1718-21 " 6
Conglomerate (Sandy)		37' 0"	0'	365' 0"	1678-21 " 8
Conglomerate		55' 0"	0'	420' 0"	1623-21 " 12
Sandstone		12' 0"	0'	432' 0"	1611-21
Conglomerate		8' 0"	0'	440' 0"	1603-21
Sandstone		3' 0"	0'	443' 0"	1600-21 " 13
Sandy Shale		19' 0"	0'	462' 0"	1581-21
Shale		24' 0"	0'	486' 0"	1557-21
Shaley Sandstone		22' 0"	0'	508' 0"	1538-21 " 17
Shale		30' 0"	0'	538' 0"	1488-21
Shale (Broken)		9' 0"	0'	597' 0"	1446-21
Sandstone		8' 0"	0'	605' 0"	1438-21 Dec. 23, 1919
Shale		5' 0"	0'	610' 0"	1438-21 Nov. 3
Clay Shale		166' 0"	0'	776' 0"	1267-21 " 15
Conglomerate		12' 0"	0'	788' 0"	1255-21
Clay Shale		26' 0"	0'	814' 0"	1229-21
Sandy Shale		8' 0"	0'	822' 0"	1221-21
Conglomerate		2' 0"	0'	824' 0"	1219-21
Clay Shale		8' 0"	0'	832' 0"	1211-21
Conglomerate		35' 0"	0'	867' 0"	1156-21 " 22
Shale		40' 0"	0'	907' 0"	1136-21 " 28

*Nanaimo B.H. 42*  
 CANADIAN COLLIERIES  
 (DUNSMUIR) LTD.

STATE: \_\_\_\_\_ COMPANY: \_\_\_\_\_  
 COUNTY: *R. 7* FARM: \_\_\_\_\_ WELL NO.: *C-42*  
 BLOCK: *Sec. 10* SURVEY: *(Bore Hole No. 42. Wellington Extension Field)*  
 SEC. *Canberry D*  
 T. \_\_\_\_\_ R. \_\_\_\_\_ TOTAL DEPTH: *111' 0"*  
 CONTRACTOR: \_\_\_\_\_  
 COMMENCED: *Feb. 9, 1919*  
 COMPLETED: *Feb. 19, 1919*  
 REMARKS: \_\_\_\_\_  
 ALTITUDE: *136.66* PRODUCTION: \_\_\_\_\_ *(13)*

CASING RECORD

	10"
	8"
20"	6"
15 1/2"	5 1/2"
12 1/4"	
SHOT	QUARTS BETWEEN

*00720*

FORM 304 - In stock and for sale by Mid-West Prtg. Co., Tulsa





00720

(L4)

Canadian Collieries (Dunsmuir) Ltd.

Bore Hole No. 42

Wellington Extension Field

Scale 1" = 20'

R 7 - Section 10 - 1919

C-42

MATERIAL	SECTION	THICKNESS	DEPTH BELOW SURFACE	ELEVATION	DATE
SURFACE		0' - 0"	0' - 0"	2136.66	Feb'y 9 <sup>th</sup> 1919
GRAVEL		9' - 6"	9' - 6"	2127.16	" " "
SANDSTONE CONGLOMERATE		3' - 0"	12' - 6"	2124.16	" 10 <sup>th</sup> "
		1' - 0"	13' - 6"	2123.16	" " "
SANDSTONE					
		30' - 0"	64' - 0"	2072.66	" 14 <sup>th</sup> "
CONGLOMERATE		10' - 0"	74' - 0"	2062.66	" 15 <sup>th</sup> "
SANDY CONGLOMERATE		11' - 0"	85' - 0"	2051.66	" 16 <sup>th</sup> "
SANDSTONE		6' - 0"	91' - 0"	2045.66	" 17 <sup>th</sup> "
COMPRESSED SANDSTONE		20' - 0"	111' - 0"	2025.66	" 18 <sup>th</sup> "

Hole abandoned Feb'y 19<sup>th</sup> 1919.  
Drill called to Cumberland.



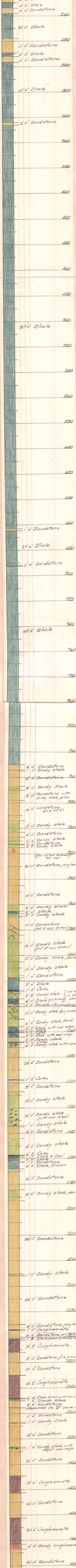
NO. 20170  
 CANADIAN COLLECTORS  
 (D. W. WILKINSON)  
 LIT. 43 670.

STATE	COMPANY
COUNTY	FARM
LOT 15	(C-43)
BLOCK	SURVEY
Bright	(Prospect Hole No. 43)
SEC. 6.	Wellington Falls
L.	R.
	TOTAL DEPTH
	1495'
CONTRACTOR	
COMMENCED	Sept. 15, 1920
COMPLETED	Jan. 29, 1921
REMARKS	
ALTIMETER	1046'
PRODUCTION	(5)

CASING RECORD  
 00720

20" 1 1/2" 5/8" 5/8"  
 15 1/4" 5/8" 5/8"  
 12 1/4" SHOT QUARTS BETWEEN

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



43



C-43

BRIGHT DISTRICT

C-43

00720

WELLINGTON FIELD

PROSPECT VALLEY #717 43

(10)

SCALE: 1" = 20'

THICKNESS	DEPTH	DEPTH	DEPTH	DATE
FEET	FEET	FEET	FEET	
Gravel	128-0'	128-0'	1998-10	10/27/98
Shale	22-0'	208-0'	1901-12	12/07/01
Shale (cal markings)	14-0'	222-0'	1854-6	6/20/00
Sandstone	3-0'	225-0'	1886-11	11/27/00
Shale	4-0'	229-0'	1881-11	11/27/00
Sandstone	4-0'	233-0'	1877-11	11/27/00
Shale	2-0'	235-0'	1852-11	11/27/00
Sandstone	14-0'	249-0'	1845-11	11/27/00
Shale	6-0'	255-0'	1849-11	11/27/00
Sandstone	4-0'	259-0'	1855-11	11/27/00
Shale	1-6"	260-6"	1820-06	11/27/00
Sandstone	4-0'	264-0'	1846-6	11/27/00
Shale	20-0'	284-0'	1822-6	11/27/00
Sandstone	14-0'	298-0'	1814-6	11/27/00
Shale	12-6"	310-6"	1802-06	11/27/00
Sandstone	3-0'	313-0'	1798-0	11/27/00
Shale	38-0'	351-0'	1760-6	11/27/00
Sandstone	2-0'	353-0'	1758-6	11/27/00
Shale	17-6"	370-6"	1801-6	11/27/00
Sandstone	7-0"	377-0"	1801-6	11/27/00
Shale	27-0"	404-0"	1812-6	11/27/00
Sandstone	10-0"	414-0"	1812-6	11/27/00
Shale	17-6"	431-0"	1804-6	11/27/00
Sandstone	7-0"	438-0"	1804-6	11/27/00
Sandy Shale	9-0"	447-0"	1807-6	11/27/00
Sandstone	3-0"	450-0"	1807-6	11/27/00
Sandstone (hard)	24-0"	474-0"	1810-6	11/27/00
Sandy Shale	14-6"	488-6"	1807-6	11/27/00
Sandstone	4-0"	492-0"	1813-6	11/27/00
Sandy Shale	3-0"	495-0"	1813-6	11/27/00
Sandstone (hard)	43-0"	740-0"	1804-6	11/27/00
Sandy Shale	3-0"	743-0"	1804-6	11/27/00
Shale	2-0"	745-0"	1807-6	11/27/00
Sandy Shale	2-0"	747-0"	1804-6	11/27/00
Sandstone	16-0"	763-0"	1804-6	11/27/00
Sandy Shale	16-0"	779-0"	1804-6	11/27/00
Sandy Shale (zone)	3-0"	782-0"	1807-6	11/27/00
Sandy Shale	11-0"	793-0"	1804-6	11/27/00
Sandstone	1-6"	794-6"	1807-6	11/27/00
Shale (cal)	7-0"	801-0"	1807-6	11/27/00
Sandy Shale	3-6"	804-0"	1807-6	11/27/00
Shale	4-6"	808-0"	1804-6	11/27/00
Sandstone	2-0"	810-0"	1804-6	11/27/00
Sandy Shale (cal markings)	14-0"	824-0"	1804-6	11/27/00
Shale (cal markings)	3-0"	827-0"	1804-6	11/27/00
Shale (cal markings)	3-0"	830-0"	1804-6	11/27/00
Sandy Shale	2-0"	832-0"	1804-6	11/27/00
Sandy Shale (cal markings)	4-0"	836-0"	1804-6	11/27/00
Sandstone	3-6"	839-0"	887-6	11/27/00
Sandy Shale	13-0"	852-0"	984-6	11/27/00
Sandy Shale (cal markings)	4-0"	856-0"	900-6	11/27/00
Sandy Shale	7-0"	863-0"	900-6	11/27/00
Sandstone	6-0"	869-0"	900-6	11/27/00
Sandy Shale	11-0"	880-0"	900-6	11/27/00
Sandstone	2-0"	882-0"	900-6	11/27/00
Sandstone	2-0"	884-0"	900-6	11/27/00
Sandstone	2-0"	886-0"	900-6	11/27/00
Sandstone	2-0"	888-0"	900-6	11/27/00
Brown Shale	2-0"	890-0"	900-6	11/27/00
Sandstone	14-0"	904-0"	811-6	11/27/00
Sandy Shale (zone)	9-0"	913-0"	811-6	11/27/00
Sandstone	14-0"	927-0"	811-6	11/27/00
Sandy Shale	7-0"	934-0"	811-6	11/27/00
Sandstone	4-0"	938-0"	811-6	11/27/00
Sandstone	14-0"	952-0"	811-6	11/27/00
Sandstone	7-0"	959-0"	811-6	11/27/00
Sandstone	4-0"	963-0"	811-6	11/27/00
Conglomerate	9-0"	972-0"	762-6	11/27/00
Sandstone	14-0"	986-0"	774-6	11/27/00
Conglomerate	14-0"	1000-0"	774-6	11/27/00
Conglomerate	14-0"	1014-0"	774-6	11/27/00
Sandy Shale	7-0"	1021-0"	774-6	11/27/00
Now reduced to (B) on	132-6"			11/27/00
Sandstone	7-0"	1028-0"	774-6	11/27/00
Sandy Shale	7-0"	1035-0"	774-6	11/27/00
Sandstone	14-0"	1049-0"	774-6	11/27/00
Sandstone	7-0"	1056-0"	774-6	11/27/00
Conglomerate	13-6"	1069-0"	682-6	11/27/00
Sandstone	20-0"	1089-0"	682-6	11/27/00
Conglomerate	24-0"	1113-0"	682-6	11/27/00
Sandstone	20-0"	1133-0"	617-6	11/27/00
Sandstone (cal markings)	6-0"	1139-0"	617-6	11/27/00
Sandstone	2-0"	1141-0"	617-6	11/27/00



00720

CANADIAN COLLIERIES (DUNSMUIR) LTD.

Bright Dist. Lot 15 C-44

BORE HOLE No. 44

EXTENSION DISTRICT

Scale 1 in = 20 ft.

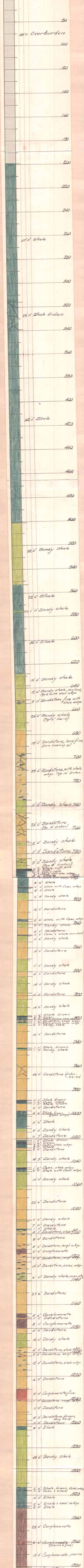
(17)

Material	Section	Thickness	Depth Below Surface	Elevation	Date
			0'-0"	2133.25	Nov. 1, 1921
GRAVEL		6'-6"			
BLUE CLAY		65'-0"	65'-0"	2068.25	May 1, 1922
GRAY SANDY LOAM		87'-0"	152'-0"	2044.25	May 7, 1921
GREEN STONE		92'-0"	244'-0"	1943.25	May 20, 1921
SHALE		108'-0"	352'-0"	1872.25	Apr. 9, 1921
BROKEN SHALE		25'-0"	377'-0"	1704.25	Apr. 5, 1921
SHALE		163'-0"	540'-0"	1652.25	Apr. 31, 1921
SANDY SHALE		33'-0"	573'-0"	1558.25	Apr. 21, 1921
SHALE		53'-0"	626'-0"	1580.25	Apr. 22, 1921
SANDY SHALE		23'-0"	649'-0"	1528.25	Apr. 21, 1921
SHALE		35'-0"	684'-0"	1545.25	Apr. 10, 1921
SANDY SHALE		24'-0"	708'-0"	1493.25	Apr. 30, 1921
SANDSTONE		15'-0"	723'-0"	1480.25	" " " "
SHALE		44'-0"	767'-0"	1456.25	May 1, 1921
SANDSTONE		13'-0"	780'-0"	1398.25	May 2, 1921
SANDY SHALE		16'-0"	796'-0"	1387.25	May 2, 1921
SANDSTONE		15'-0"	811'-0"	1362.25	May 7, 1921
SANDY SHALE		2'-0"	813'-0"	1360.25	May 8, 1921
SHALE		3'-0"	816'-0"	1358.25	" " " "
SHALE		3'-0"	819'-0"	1356.25	" " " "
SANDY SHALE		4'-3"	823'-0"	1353.25	May 11, 1921
SANDSTONE		15'-0"	838'-0"	1328.25	May 18, 1921
SHALE COAL FRINGING		2'-0"	840'-0"	1326.25	" " " "
SANDY SHALE		5'-0"	845'-0"	1290.25	" " " "
SANDSTONE		5'-0"	850'-0"	1288.25	" " " "
SANDY SHALE		5'-6"	855'-0"	1278.25	" " " "
SANDSTONE		5'-6"	860'-0"	1278.25	" " " "
SANDY SHALE		14'-0"	874'-0"	1264.25	May 15, 1921
SANDY SHALE		11'-0"	885'-0"	1253.25	" " " "
SANDSTONE		4'-0"	889'-0"	1249.25	May 16, 1921
SANDY SHALE		14'-0"	903'-0"	1235.25	May 17, 1921
SANDY SHALE		15'-0"	918'-0"	1224.25	May 17, 1921
SANDSTONE		15'-0"	933'-0"	1213.25	" " " "
SANDY SHALE		19'-0"	952'-0"	1199.25	May 18, 1921
SHALE COAL FRINGING		2'-0"	954'-0"	1197.25	" " " "
SANDY SHALE		15'-0"	969'-0"	1183.25	May 23, 1921
SANDSTONE		16'-0"	985'-0"	1172.25	" " " "
SANDY SHALE		16'-0"	1001'-0"	1161.25	" " " "
SANDSTONE		10'-0"	1011'-0"	1151.25	" " " "
SANDY SHALE		3'-0"	1014'-0"	1151.25	" " " "
SANDSTONE		6'-0"	1020'-0"	1149.25	May 25, 1921
SHALE COAL FRINGING		1'-0"	1021'-0"	1149.25	" " " "
SANDSTONE		2'-0"	1023'-0"	1149.25	" " " "
SANDSTONE		2'-0"	1025'-0"	1147.25	" " " "
SANDY SHALE		4'-0"	1029'-0"	1143.25	" " " "
SHALE COAL FRINGING		14'-0"	1043'-0"	1129.25	May 16, 1921
SANDY SHALE		2'-0"	1045'-0"	1127.25	" " " "
SANDSTONE		15'-0"	1060'-0"	1117.25	June 1, 1921
SANDSTONE		23'-0"	1083'-0"	1097.25	June 8, 1921
SANDSTONE		7'-0"	1090'-0"	1096.25	" " " "
SHALE		7'-0"	1097'-0"	1095.25	" " " "
SANDSTONE		4'-0"	1101'-0"	1091.25	June 5, 1921
SANDSTONE		8'-0"	1109'-0"	1081.25	" " " "
CONGLOMERATE		6'-0"	1115'-0"	1076.25	" " " "
CONGLOMERATE		5'-0"	1120'-0"	1073.25	" " " "
SANDSTONE		7'-0"	1127'-0"	1068.25	" " " "
SANDSTONE		10'-0"	1137'-0"	1058.25	" " " "
SANDY SHALE		6'-0"	1143'-0"	1052.25	" " " "
SANDSTONE		27'-0"	1170'-0"	962.25	" " " "
CONGLOMERATE		3'-0"	1173'-0"	959.25	" " " "
CONGLOMERATE		3'-0"	1176'-0"	957.25	" " " "
SANDSTONE		8'-0"	1184'-0"	950.25	" " " "
SANDY SHALE		8'-0"	1192'-0"	944.25	" " " "
SANDSTONE		12'-0"	1204'-0"	934.25	" " " "
SANDSTONE		4'-0"	1208'-0"	930.25	" " " "
SANDSTONE		3'-0"	1211'-0"	927.25	" " " "
SANDSTONE		12'-0"	1223'-0"	915.25	" " " "
SANDSTONE		16'-0"	1239'-0"	899.25	" " " "
FINE CONGLOMERATE		9'-0"	1248'-0"	890.25	" " " "
CONGLOMERATE		9'-0"	1257'-0"	880.25	" " " "
VERY HARD GREEN SANDSTONE		11'-0"	1268'-0"	873.25	" " " "
SANDSTONE		3'-0"	1271'-0"	873.25	" " " "
SHALE		3'-0"	1274'-0"	873.25	" " " "
SANDY SHALE					
GREEN SHALE COAL FRINGING		45'-0"	1319'-0"	816.25	" " " "
SHALE		8'-0"	1327'-0"	818.25	" " " "
SHALE COAL FRINGING		10'-0"	1337'-0"	803.25	" " " "
SHALE		2'-0"	1339'-0"	801.25	" " " "
CONGLOMERATE					
SANDSTONE		49'-0"	1388'-0"	749.25	July 2, 1921
CONGLOMERATE		3'-0"	1391'-0"	746.25	" " " "
CONGLOMERATE		7'-0"	1398'-0"	739.25	July 9, 1921



VAN ALMO  
 CRUZZO LULLERIES  
 (DUNSKIR) LTD  
 Well No. 44  
 STATE \_\_\_\_\_ COUNTY \_\_\_\_\_ COMPANY \_\_\_\_\_ FARM \_\_\_\_\_ WELL NO. **(C-44)**  
 BLOCK **LOT 15** SURVEY **(Basehole No. 44 Extension District)**  
 SEC. **Bright D.** R. \_\_\_\_\_ TOTAL DEPTH **1393' 6"**  
 CONTRACTOR \_\_\_\_\_ COMMENCED **Feb. 1, 1921**  
 COMPLETED **July 7, 1921**  
 ALTIMUDE **23.25** REMARKS **(18)**  
 PRODUCTION \_\_\_\_\_

CASING RECORD  
**00720**  
 20' 100' 80'  
 15 1/4" 11"  
 12 1/4" 9"  
 SHOT QUARTS BETWEEN





00720  
 (L9)

Bright Dist.

C-45

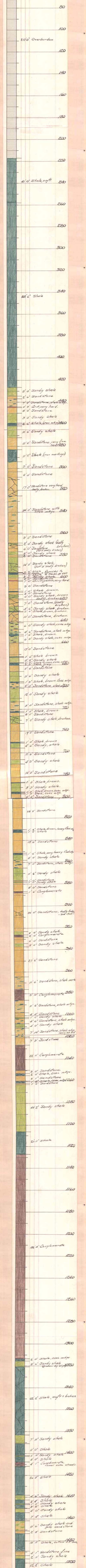
Canadian Collieries (Dunsmuir) Ltd.  
 Bore Hole No 45  
 Wellington Extension Field

Scale 1" = 20'

MATERIAL	SECTION	THICKNESS	DEPTH BELOW SURFACE	ELEVATION	DATE
SURFACE		0'-0"	0'-0"	2147.40	
GRAVEL AND SMALL BOULDERS		30'-0"	30'-0"	2097.40	Aug 9, 1921
SAND FINE GRAVEL GRAVEL		8'-0"	38'-0"	2089.40	
SANDY CLAY		3'-0"	41'-0"	2086.40	- 15B -
SANDY CLAY		8'-0"	49'-0"	2078.40	
BLUE CLAY					
GRAVEL		26'-0"	75'-0"	2052.40	- 15B -
GRAVEL		7'-0"	82'-0"	2054.40	
BLUE CLAY AND SMALL BOULDERS					
GRAVEL AND SMALL BOULDERS		34'-0"	116'-0"	1997.40	- 15B -
GRAVEL AND SMALL BOULDERS		18'-0"	134'-0"	1949.40	Oct 30, 1921
GRAVEL AND SMALL BOULDERS		18'-0"	152'-0"	1931.40	- 15B -
GRAVEL AND SMALL BOULDERS		7'-0"	159'-0"	1930.40	
BLUE CLAY AND SMALL BOULDERS					
COURSE SAND		18'-0"	177'-0"	1931.40	- 15B -
COURSE SAND		7'-0"	184'-0"	1930.40	
SHALE					
SHALE					
SHALE					
SANDY SHALE		209'-6"	426'-6"	1720.40	- 15B -
SANDY SHALE		8'-0"	434'-6"	1712.40	
SANDSTONE		2'-0"	436'-6"	1710.40	
SANDSTONE-SHALE MARKINGS		8'-0"	444'-6"	1702.40	- 15B -
SANDSTONE		5'-0"	449'-6"	1697.40	
SANDY SHALE					
SANDY SHALE		22'-0"	471'-6"	1675.40	- 15B -
SANDSTONE					
SANDSTONE		11'-0"	482'-6"	1664.40	
SHALE-IRON MKGS					
SHALE-IRON MKGS		11'-0"	493'-6"	1653.40	- 15B -
SANDSTONE					
SANDSTONE		31'-0"	524'-6"	1622.40	
SANDSTONE-SHALE MARKINGS					
SANDY SHALE		43'-0"	567'-6"	1574.40	- 15B -
SANDSTONE		2'-0"	569'-6"	1572.40	- 15B -
SANDY SHALE		6'-0"	575'-6"	1571.40	
SANDY SHALE		3'-0"	578'-6"	1568.40	Nov 1, 1921
SANDSTONE		2'-0"	580'-6"	1566.40	
SANDY SHALE					
COAL SHALE		18'-2"	598'-8"	1552.23	- 15B -
COAL SHALE		4'-6"	603'-4"	1557.90	- 15B -
SANDSTONE					
BROWN SHALE		12'-0"	615'-4"	1535.40	- 15B -
SANDSTONE		2'-0"	617'-4"	1533.40	Dec 7, 1921
BROWN SHALE		4'-0"	621'-4"	1528.40	- 15B -
SANDSTONE					
SANDY SHALE		7'-0"	628'-4"	1521.40	
SANDSTONE		5'-0"	633'-4"	1516.40	- 15B -
SANDY SHALE-COAL MKGS		10'-0"	643'-4"	1506.40	
SANDSTONE-SHALE MKGS		6'-0"	649'-4"	1500.40	- 15B -
BROWN SHALE		7'-6"	656'-10"	1495.40	
SANDY SHALE		6'-0"	662'-10"	1488.40	- 15B -
SANDSTONE					
BROWN SHALE		13'-0"	675'-10"	1475.40	
SANDY SHALE		0'-0"	675'-10"	1475.40	- 15B -
BROWN SHALE-COAL MKGS		5'-3"	681'-3"	1469.65	
GREY SHALE		7'-0"	688'-3"	1462.40	
SANDSTONE		5'-6"	693'-9"	1456.40	- 15B -
SANDY SHALE					
BROWN SHALE-COAL MKGS		9'-6"	703'-9"	1452.40	- 15B -
SANDSTONE-SHALE MKGS		8'-0"	711'-9"	1446.40	
SANDY SHALE					
SANDSTONE-SHALE MKGS		12'-0"	723'-9"	1434.40	- 15B -
BROWN SHALE		9'-0"	732'-9"	1425.40	- 15B -
SANDSTONE		8'-0"	740'-9"	1421.40	
SANDY SHALE					
SANDY SHALE		7'-0"	747'-9"	1414.40	
SANDSTONE					
BROWN SHALE		12'-0"	759'-9"	1402.40	- 15B -
SANDY SHALE		0'-0"	759'-9"	1402.40	- 15B -
BROWN SHALE-COAL MKGS		8'-0"	767'-9"	1394.40	- 15B -
SHALE		0'-0"	767'-9"	1394.40	- 15B -
SANDSTONE					
BROWN SHALE-COAL MKGS		22'-2"	789'-11"	1377.40	Jan 2, 1922
SHALE		1'-6"	791'-7"	1374.40	
SANDSTONE					
SHALE-COAL MKGS		18'-6"	810'-3"	1359.40	- 15B -
SANDY SHALE		7'-6"	817'-9"	1350.40	
SANDSTONE-SHALE MKGS		7'-0"	824'-9"	1343.40	- 15B -
SANDY SHALE					
SANDSTONE		11'-6"	836'-3"	1329.40	- 15B -
SANDY SHALE		1'-0"	837'-3"	1328.40	
CONGLOMERATE		8'-0"	845'-3"	1320.40	- 15B -
SANDSTONE					
SANDY SHALE		36'-0"	881'-3"	1224.40	- 15B -
CONGLOMERATE		8'-0"	889'-3"	1216.40	- 15B -
SANDSTONE		6'-0"	895'-3"	1210.40	- 15B -
SANDY SHALE		8'-0"	903'-3"	1202.40	- 15B -
SANDSTONE					
SANDSTONE-SHALE MKGS		28'-0"	931'-3"	1177.40	Feb 10, 1922
CONGLOMERATE		6'-0"	937'-3"	1171.40	- 15B -
CONGLOMERATE		9'-10"	946'-10"	1161.57	- 15B -
SANDSTONE-SHALE MKGS					
SANDY SHALE		15'-0"	1001'-8"	1123.73	- 15B -
SANDSTONE-SHALE MKGS		4'-6"	1006'-4"	1120.23	- 15B -
SANDY SHALE		4'-0"	1010'-8"	1116.23	- 15B -
SANDSTONE-SHALE MKGS		7'-10"	1018'-8"	1112.40	- 15B -
SANDSTONE		7'-0"	1025'-8"	1120.65	
CONGLOMERATE					
SANDSTONE		22'-11"	1047'-9"	1097.73	- 15B -
SHALE		3'-0"	1050'-9"	1094.73	- 15B -
SANDY SHALE		4'-0"	1054'-9"	1090.73	
SHALE		5'-0"	1059'-9"	1087.73	- 15B -
CONGLOMERATE		4'-11"	1063'-10"	1082.60	
SHALE					
SANDY SHALE		26'-3"	1090'-3"	1049.40	May 1, 1922
SHALE		4'-6"	1094'-9"	1044.40	- 15B -
SANDY SHALE		3'-2"	1098'-11"	1041.27	- 15B -
SANDY SHALE		3'-2"	1101'-11"	1038.07	- 15B -
SANDY SHALE		9'-0"	1110'-11"	1029.00	- 15B -
SHALE					
SANDY SHALE		7'-4"	1117'-5"	1026.07	
SANDSTONE		9'-6"	1126'-11"	1017.40	- 15B -
SANDSTONE		2'-3"	1129'-4"	1014.32	- 15B -
SHALE					
SANDSTONE		15'-11"	1145'-5"	1002.40	- 15B -
SANDY SHALE		4'-11"	1150'-6"	997.40	- 15B -
SANDY SHALE		2'-11"	1152'-7"	995.40	
SHALE					
SHALE		12'-2"	1164'-9"	983.23	- 15B -
SHALE COAL MKGS		18'-3"	1183'-2"	934.15	Jan 2, 1922
SANDY SHALE		6'-6"	1189'-8"	928.65	- 15B -
SHALE					
SHALE					
SANDY SHALE		62'-2"	1251'-10"	764.08	- 15B -
SANDY SHALE		7'-11"	1259'-11"	756.34	- 15B -
SHALE					
SANDY SHALE		11'-6"	1271'-6"	748.34	- 15B -
SHALE		6'-10"	1278'-6"	742.72	- 15B -
CONGLOMERATE		4'-11"	1283'-7"	737.72	- 15B -
SHALE					
SHALE					
SANDY SHALE		26'-3"	1309'-10"	709.40	May 1, 1922
SHALE		4'-6"	1314'-6"	704.40	- 15B -
SANDY SHALE		3'-2"	1317'-8"	701.27	- 15B -
SANDY SHALE		3'-2"	1321'-0"	700.07	- 15B -
SANDY SHALE		9'-0"	1330'-0"	693.00	- 15B -
SHALE					
SANDY SHALE		7'-4"	1337'-4"	686.07	
SANDSTONE		9'-6"	1346'-10"	676.97	- 15B -
SANDSTONE		2'-3"	1349'-13"	674.32	- 15B -
SHALE					
SANDSTONE		15'-11"	1365'-4"	652.40	- 15B -
SANDY SHALE		4'-11"	1370'-5"	647.40	- 15B -
SANDY SHALE		2'-11"	1372'-6"	645.40	
SHALE					
SHALE		12'-2"	1384'-8"	632.23	- 15B -



STATE ILLINOIS  
 COUNTY DECATUR  
 BLOCK LOT 15  
 SEC. 28  
 T. 1 R. 1  
 COMPANY NAI AIMO  
 FARM (C-45)  
 WELL NO. 110  
 SURVEY Base Hole No. 45  
 Wellington Extension  
 Feet & 1/2  
 TOTAL DEPTH 1508' 2"  
 CONTRACTOR  
 COMMENCED Aug 14, 1921  
 COMPLETED May 11, 1922  
 REMARKS  
 ALTITUDE 147.4  
 PRODUCTION  
 CASING RECORD  
 10"  
 20"  
 15"  
 12 1/4"  
 SHOT QUARTS BETWEEN  
 FORM 394 - In stock and for sale by Mid-West Ppts. Co., Tulsa





00720

C-46

Scale 1" = 20'

INTERVAL	THICKNESS	DEPN. BELOW SURFACE	ELEVATION	DATE
SURFACE				
GRAVEL				
GRAVEL				
LARGE BOULDER	9' - 0"	9' - 0"	2735.00	Dec 3 <sup>rd</sup> 1921
	9' - 0"	100' - 0"	2744.00	" 4 <sup>th</sup> "
COURSE GRAVEL				
	50' - 0"	150' - 0"	2894.00	" 13 <sup>th</sup> "
BLUE CLAY AND SMALL BOULDERS	20' - 0"	170' - 0"	3074.00	" 15 <sup>th</sup> "
BLUE MARSHAL	18' - 0"	188' - 0"	3092.00	" 16 <sup>th</sup> "
SHALE REDROCK	7' - 0"	195' - 0"	3099.00	" 17 <sup>th</sup> "
SHALE	16' - 4"	204' - 4"	3094.71	" 23 <sup>rd</sup> "
SHALE (BROWN)	9' - 8"	214' - 0"	2032.00	Jan 6 <sup>th</sup> 1922
SHALE				
	40' - 0"	254' - 0"	1992.00	" 8 <sup>th</sup> "
CONGLOMERATE				
	46' - 0"	300' - 0"	1940.00	" 12 <sup>th</sup> "
SHALE	17' - 0"	317' - 0"	1929.00	" 13 <sup>th</sup> "
CONGLOMERATE				
	65' - 6"	382' - 6"	1881.50	" 20 <sup>th</sup> "
SHALE	18' - 6"	396' - 0"	1850.00	" 21 <sup>st</sup> "
SHALE (SANDY)	20' - 0"	416' - 0"	1830.00	" 22 <sup>nd</sup> "
SHALE	21' - 0"	437' - 0"	1809.00	" 23 <sup>rd</sup> "
CONGLOMERATE	17' - 0"	454' - 0"	1792.00	" 24 <sup>th</sup> "
CONGLOMERATE (SANDY)	27' - 0"	481' - 0"	1765.00	" 26 <sup>th</sup> "
SHALE (SANDY)				
	27' - 0"	508' - 0"	1733.00	" 27 <sup>th</sup> "
SHALE (BROWN)	4' - 0"	512' - 0"	1734.00	" "
SHALE (SANDY)				
	18' - 0"	530' - 0"	1716.00	" 28 <sup>th</sup> "
SANDSTONE	12' - 0"	542' - 0"	1704.00	" 29 <sup>th</sup> "
CONGLOMERATE				
	18' - 0"	560' - 0"	1660.00	Feb 16 <sup>th</sup> 1922
CONGLOMERATE (CHIST)				
	43' - 0"	603' - 0"	1623.00	" 11 <sup>th</sup> "
CONGLOMERATE (CHIST)	6' - 0"	609' - 0"	1617.00	" 13 <sup>th</sup> "
CONGLOMERATE (CHIST)	4' - 0"	613' - 0"	1613.00	" 14 <sup>th</sup> "
CONGLOMERATE				
	21' - 0"	634' - 0"	1592.00	" 17 <sup>th</sup> "
CONGLOMERATE (CHIST)	6' - 0"	640' - 0"	1586.00	" 18 <sup>th</sup> "
CONGLOMERATE				
	27' - 0"	667' - 0"	1559.00	" 23 <sup>rd</sup> "
CONGLOMERATE (CHIST)	6' - 0"	673' - 0"	1553.00	" 24 <sup>th</sup> "
CONGLOMERATE				
	26' - 0"	699' - 0"	1477.00	Mar 16 <sup>th</sup> 1922
SHALE				
COAL	6' - 0"	770' - 0"	1471.00	" 18 <sup>th</sup> "
	7' - 0"	776' - 0"	1470.00	" "
SHALE				
	31' - 0"	807' - 0"	1439.00	" 19 <sup>th</sup> "
CONGLOMERATE				
	43' - 0"	850' - 0"	1396.00	" 23 <sup>rd</sup> "
SHALE				
	272' - 0"	1122' - 0"	1124.00	Apr 28 <sup>th</sup> 1922

(11)



NAIRAIMO  
 CARAPATA (Latter 163)  
 (PUNSWILLER) LTD.  
 STATE WELL No. 46

COUNTY Sec 3 FARM C-46  
 BLOCK R. 5 SURVEY (Borehole 00 46)  
 SEC. (Canberry) Wellington East Field  
 T. No. TOTAL DEPTH 1122'

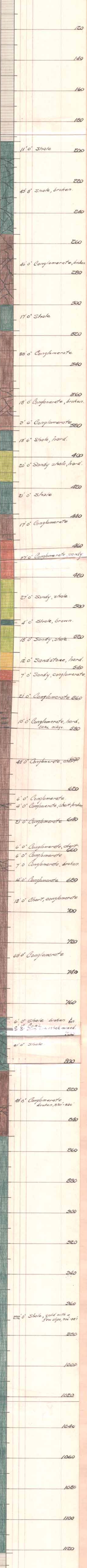
CONTRACTOR  
 COMMENCED Nov 7, 1921  
 COMPLETED Apr 8, 1922

REMARKS  
 ALTITUDE 246.04  
 PRODUCTION (L10)

CASING RECORD

	10"
	8 1/2"
20"	6"
15 1/2"	5"
12 1/4"	
SHOT	QUARTS BETWEEN

FORM 354 - In stock and for sale by Mid-West Prtg. Co., Tulsa





C-47

C-47

Canada Collieries (Dunsmuir) Ltd.

Site No. 47

Wellington Extension Field

Scale 1 - 20

00720

(L13)

MATERIAL	SECTION	THICKNESS	DEPTH BELOW SURFACE	ELEVATION	DATE
SURFACE		0' - 0"	0' - 0"	2174.76	10/11/22
GRAVEL					
BLUE CLAY		34' - 0"	34' - 0"	2163.76	30"
BLUE CLAY AND BOULDERS		20' - 0"	54' - 0"	2143.76	10/11/22
SHALE		37' - 6"	91' - 6"	2106.26	9"
SHALE					
SHALE		81' - 6"	173' - 0"	2024.76	10"
CONGLOMERATE					
SANDY SHALE		70' - 0"	243' - 0"	1934.76	16"
CONGLOMERATE		10' - 0"	253' - 0"	1944.76	17"
CONGLOMERATE					
SHALE		84' - 0"	337' - 0"	1860.76	June 4/1922
SHALE		19' - 0"	356' - 0"	1841.76	5"
SANDY SHALE					
CONGLOMERATE		32' - 0"	388' - 0"	1809.76	18"
SHALE					
SHALE		48' - 0"	436' - 0"	1761.76	10"
SANDY CONGLOMERATE		51' - 0"	487' - 0"	1710.76	23"
SANDSTONE		8' - 0"	495' - 0"	1702.76	
CONGLOMERATE		14' - 0"	509' - 0"	1688.76	24"
CONGLOMERATE					
CONGLOMERATE		228' - 0"	737' - 0"	1460.76	July 24/1922
SANDY SHALE					
SANDY SHALE					
CONGLOMERATE		39' - 0"	776' - 0"	1421.76	21"
Shale		19' - 0"	795' - 0"	1402.76	24"
CONGLOMERATE					
CONGLOMERATE		50' - 0"	845' - 0"	1352.76	July 24/1922
SHALE		42' - 0"	887' - 0"	1310.76	9"
SHALE					
SANDY SHALE		96' - 0"	983' - 0"	1214.76	18"
SHALE		26' - 0"	1009' - 0"	1188.76	19"
SHALE					
SHALE (BROKEN)		69' - 0"	1078' - 0"	1119.76	23"
SHALE (BROKEN)		8' - 0"	1086' - 0"	1111.76	10/24/1922

Marine Shells



NANAIMO

CAMPBELL COLLECTORS  
(OWNERS) LTD

STATE COMPANY FARM WELL NO.  
SEC. 4 R. 6. SURVEY (Borehole No. 47)  
C-47

BLOCK R. 6. SURVEY (Borehole No. 47)  
SEC. (Cranberry) Wellington Field  
T. Extension from Field  
TOTAL DEPTH 1086' 0"

CONTRACTOR  
COMMENCED Apr. 26, 1922  
COMPLETED Aug. 24, 1922  
REMARKS (17)

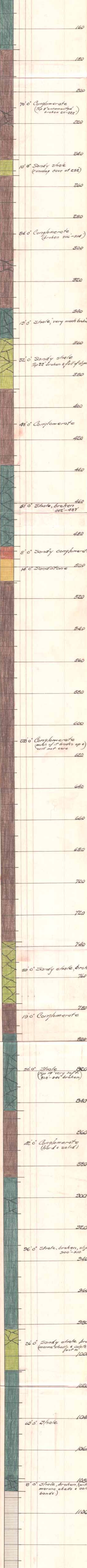
ALTIMUDE 177.76  
PRODUCTION

CASING RECORD

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

00720

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









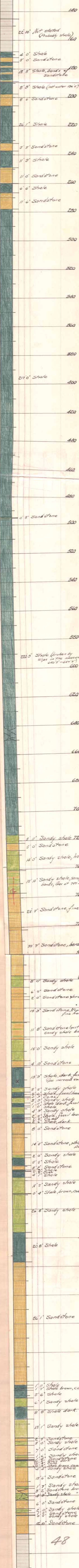
NANAIMO  
CANADIAN COLLIERIES  
(LIMITED) LTD.

STATE	COMPANY	FARM	WELL NO.
LOT 15	B.H. 48	(C-48)	
BLOCK 5148 D	SURVEY	(Bore Hole No 48)	
SEC.	Wellington Extension	Feet	TOTAL DEPTH
		1206' 6"	
T.	R.		
	CONTRACTOR		
	COMMENCED	July 8, 1922	
	COMPLETED	Nov 14, 1922	
	REMARKS		(16)
ALTITUDE	PRODUCTION		
27.67			

CASING RECORD  
**00720**

20"		
15 1/2"		
12 1/4"		
SHOT	QUARTS	BETWEEN

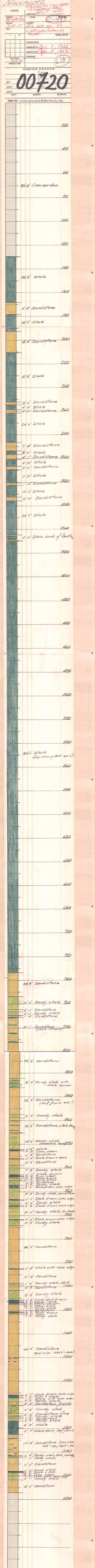
FORM 394 - In stock and for sale by Mid-West Prtg. Co., Tulsa













00720

Lot 12 Douglas Dist

C-50

Canadian Collieries (Dunsmuir) Ltd.

Bore Hole No. 50

Wellington Extension Field

Scale 1" = 20'

L19

MATERIAL	SECTION	THICKNESS	DEPTH BELOW SURFACE	ELEVATION	DATE
Surface		0'-0"	0'-0"	2718.42	17 July 2 <sup>nd</sup> 1923
Sandy Loam		7'-0"	7'-0"	2711.42	
Clay and Boulders		8'-0"	15'-0"	2703.42	
Sandstone		12'-0"	27'-0"	2691.42	
Sandy Shale					
Shale and Coal		36'-8"	63'-8"	2654.76	" 5 <sup>th</sup> "
Coal and Shale		0'-4"	64'-0"	2654.42	
Coal		1'-11"	65'-11"	2652.50	" 9 <sup>th</sup> "
Brown Shale and Coal		0'-4"	66'-3"	2652.25	" 10 <sup>th</sup> "
Coal and Shale		1'-7"	67'-10"	2650.67	
Coal		1'-0"	68'-10"	2649.67	
Conglomerate		0'-7"	69'-5"	2647.09	
Sandstone with Pebbles		0'-8"	70'-1"	2648.43	
Conglomerate		5'-5"	75'-6"	2643.02	
Sandstone with Pebbles		1'-6"	77'-0"	2641.42	
Conglomerate		5'-1"	82'-1"	2636.43	" 11 <sup>th</sup> "
Sandstone with Pebbles		0'-10"	82'-11"	2635.50	
Conglomerate		15'-8"	98'-7"	2619.83	
Sandstone		1'-6"	100'-1"	2618.43	" 14 <sup>th</sup> "
Sandy Shale		1'-0"	101'-1"	2617.43	
Sandstone		2'-11"	104'-0"	2614.92	
Sandy Shale		3'-4"	107'-4"	2611.04	" 15 <sup>th</sup> "
Shale		0'-6"	107'-10"	2610.59	
Brown Shale and Coal		0'-6"	108'-4"	2610.09	
Coal		1'-1"	109'-5"	2609.08	
Coal and Shale		0'-7"	110'-0"	2608.42	" 16 <sup>th</sup> "
Coal		4'-1"	114'-1"	2604.43	
Shale		0'-7"	114'-8"	2603.75	
Coal		0'-4"	115'-0"	2603.42	
Brown Shale and Coal		0'-8"	115'-8"	2602.75	
Coal and Shale		2'-2"	117'-10"	2600.59	
Coal		0'-2"	118'-0"	2600.42	
Brown Shale		9'-1"	127'-1"	2591.42	
Coal and Shale		0'-9"	127'-10"	2590.59	
Coal		0'-9"	128'-7"	2589.83	
Sandy Shale		0'-8"	129'-3"	2589.25	
		0'-7"	129'-10"	2588.59	
Sandstone		35'-9"	165'-7"	2552.84	17 July 20 <sup>th</sup> 1923
Sandstone and Sandy Shale		15'-3"	180'-10"	2537.59	17 July 22 <sup>nd</sup> 1923

Vanorno *well* # 50

STATE *Illinois* COMPANY *Empire Coaleries (Dunsmuir) Ltd.*

COUNTY *LOT 12* FARM *(C-50)* WELL NO. *(C-50)*

BLOCK *Douglas* SURVEY *(Box Hole No. 50)*

SEC. *Wellington Ext. East*

T. R. TOTAL DEPTH *180' 10"*

CONTRACTOR

COMMENCED *May 2, 1923*

COMPLETED *May 22, 1923*

REMARKS

ALTITUDE *718.42'*

PRODUCTION

(L20)

CASING RECORD

00720

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





00720 (41)

C-67

CANADIAN COLLIERIES (D) LTD

WELLINGTON DIVISION

(2)

BORE HOLE N° 67

SCALE 1 INCH = 20 FEET

S.W. CORNER SEC. 1, R. 8, WELLINGTON DIST.

MATERIAL	SECTION	THICKNESS	DEPTH BELOW SURFACE	ELEVATION DATUM 2000 FT. BELOW M.H.M.	DATE
		0'-0"		2275.4	Sep 2/39
Sand, Gravel, & Boulders		135'-0"			
			135'-0"	2140.4	
Conglomerate Boulder		6'-0"	141'-0"	2134.4	
Gravel		3'-0"	144'-0"	2131.4	
Conglomerate		60'-0"			
			204'-0"	2071.4	
Sandstone		9'-0"	213'-0"	2062.4	
Shale		13'-0"			
			226'-0"	2049.4	
Sandstone		10'-0"			
			236'-0"	2039.4	
Shale		7'-0"			
			243'-0"	2033.4	
Sandstone		3'-0"			
			246'-0"	2029.4	
Conglomerate		30'-0"			
Sandstone		2'-0"			
			276'-0"	1999.4	
			278'-0"	1997.4	
Conglomerate		45'-0"			
Brown Shale		1'-0"			
Black Shale		2'-0"			
			323'-0"	1982.4	
			325'-0"	1981.4	
			326'-0"	1979.4	
Shale		20'-6"			
Sandy Shale		1'-6"			
			346'-6"	1928.9	
			348'-0"	1927.4	
Shale		23'-0"			
Brown Shale		1'-6"			
			371'-0"	1904.4	
			372'-0"	1902.9	
Shale		14'-6"			
			387'-0"	1888.4	
Sandstone		7'-0"			
			394'-0"	1881.4	
Shale		5'-6"			
			399'-6"	1875.9	
Shale or Black Dirt		3'-2"			
Coal (Very Soft)		3'-1"			
Brown Shale		0'-8"			
Shale		4'-0"			
			405'-9"	1869.7	
			406'-0"	1869.5	
Sandstone		6'-0"			
			410'-0"	1865.5	
			416'-0"	1859.5	
Conglomerate		35'-0"			
			449'-0"	1826.5	
Shale		22'-0"			
Sandy Shale		4'-0"			
			471'-0"	1804.5	
			475'-0"	1800.5	
Sandstone		9'-0"			
			484'-0"	1791.5	
Brown Shale		5'-0"			
Black Shale Coal Mngs		2'-6"			
Sandy Shale Coal Mngs		0'-6"			
Sandy Shale		4'-0"			
Sandstone		2'-0"			
			492'-0"	1779.5	
			493'-0"	1778.5	
			499'-0"	1776.5	Oct 27/39


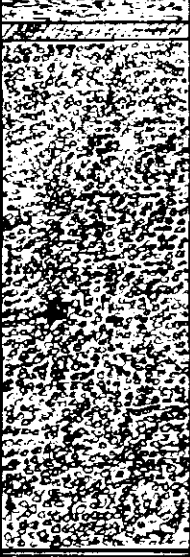
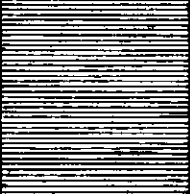
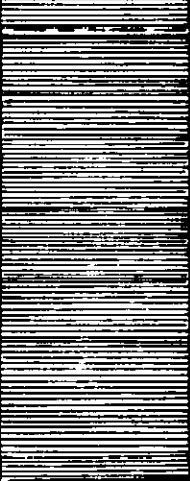
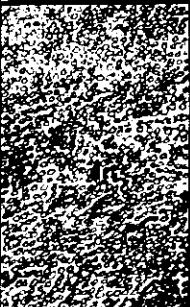



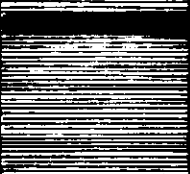

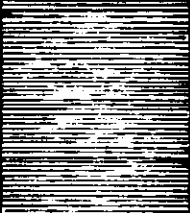



# 00720

# C-66

CANADIAN COLLIERIES (D) LTD  
WELLINGTON DIVISION  
BORE HOLE N° 66  
Scale 1 inch = 20 feet

L2

SEC. 19, R6, MOUNTAIN DIST.

MATERIAL	SECTION	THICKNESS	DEPTH BELOW SURFACE	ELEV. Datum M.H.W	DATE
Gravel		8'-0"		353.18	Sep 18/55
Clay		2'-0"	8'-0" 10'-0"	345.18 343.18	
Conglomerate		53'-0"			
				63'-0"	290.18
Shale		23'-1"			
Coal & dark Shale		1'-0"	86'-1" 87'-1"	267.10 266.10	
Shale		46'-1"			
				134'-0"	219.19
Conglomerate		33'-3"			
Coal & Dark Shale		0'-6"	167'-3" 167'-9"	185.94 185.44	
Shale		14'-0"			
Shale-Coal Mkgs		9'-3"	181'-9"		
Shale		6'-3"	188'-0" 188'-2"	168.19	
Shale		10'-3"			
Coal		1'-11"	195'-5" 197'-4"	155.86	
Shale		16'-6"			
Coal & Shale		9'-3"	213'-10" 213'-5"		
Coal & Brown Shale		2'-2"	215'-5"		
Shale		0'-2"	215'-7"		
Coal	1'-9"	217'-10"	135.37		
Shale		26'-3"			
Coal		0'-10"	244'-10"		
Shale		1'-7"	246'-7"		
Coal		4'-0"	250'-7"		
Shale		9'-3"	259'-6"	98.93	
Coal		2'-9"	262'-3"		
Sandstone-Coal Mkgs			267'-0"	96.18	Oct 1/33

Seam	Moist.	Vol.	F.C.	ash	Sulph.	Cal.
N° 6	2.50	41.70	43.80	12.40	2.53	0.75
N° 5	2.70	43.70	47.00	10.70	1.88	0.75
N° 2	2.30	34.20	41.00	18.80	1.86	0.76
N° 7	2.60	42.30	42.00	13.30	1.32	0.70






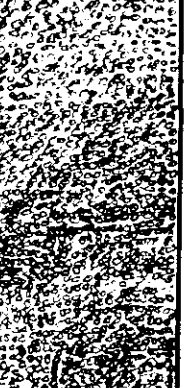











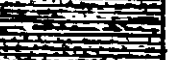


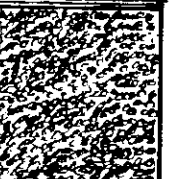















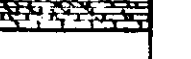



# 00720

# C-65

(13)

CANADIAN COLLIERIES (D) LTD  
WELLINGTON DIVISION  
BORE HOLE N°65  
Scale: 1 inch = 20 feet

N.E. CORNER SECTION 19, RANGE 6, MOUNTAIN DISTRICT

MATERIAL	SECTION	THICKNESS	DEPTH BELOW SURFACE	ELEV.	DATE
				388.6	Aug 10/35
Gravel & Boulders		26'0"	26'0"	362.6	
Sand		46'0"	72'0"	316.6	
Gravel & Sand		8'0"	80'0"	308.6	
Conglomerate		45'0"	125'0"	263.6	
Shale		18'0"	143'0"	245.6	
Dark Shale & Coal		1'8"	144'8"	243.9	
Shale		5'4"	150'0"	238.6	
Sandstone		10'0"	160'0"	228.6	
Conglomerate		66'6"	226'6"	162.6	
Shale		2'6"	229'2"	157.6	
Brown Shale & Coal		0'3"	229'5"	157.3	
Shale		25'9"	255'0"	133.6	
Sandy Shale		8'0"	263'0"	125.6	
Sandstone		9'0"	272'0"	116.6	
Shale		1'0"	273'0"	115.6	
Sandy Shale		6'0"	279'0"	109.6	
Shale-Coal Mkgs		1'8"	280'8"	108.3	
Sandy Shale		5'8"	286'6"	102.9	
Shale		10'4"	297'0"	92.6	
Conglomerate		24'0"	321'0"	68.6	
Shale		6'0"	327'0"	62.6	
Sandy Shale		10'0"	337'0"	52.6	
Shale		5'8"	342'8"	48.2	
Coal		1'8"	344'6"	47.3	
Coal & Shale		2'8"	347'4"	44.6	
Shale		70'5"	417'9"	28.5	
Shale-Coal Mkgs		2'8"	420'7"	28.4	
Shale		5'4"	426'1"	24.4	
Shale-Coal Mkgs		4'0"	430'1"	20.4	
Shale		2'0"	432'1"	18.4	
Sandstone		1'0"	433'1"	17.4	
Shale-Coal Mkgs		1'0"	434'1"	16.4	
Sandstone		4'5"	438'6"	14.9	
Shale		3'5"	442'1"	13.9	
Shale		4'0"	446'1"	12.9	
Sandstone		2'0"	448'1"	11.9	
Shale		11'0"	459'1"	10.9	
Sandstone-Coal Mkgs		5'0"	464'1"	10.4	

ANALYSIS						
Spec.	Moist	Vol	FC	LDL	BTDS	SHR CONC
174	2.60	64.71	41.85	12.40	4.65	0.71

TOP PART OF CORE 9.50 ash  
 BETTER " " 11.60 "  
 BORE HOLE FINES 23.40 "  
 SLATE ABOVE SEAM 70.90 "

# 00720

# C-64

CANADIAN COLLIERIES (D) LTD.








WELLINGTON DIVISION

BORE HOLE No 64

Scale 1 inch = 20 feet

(24)

RANGE 6 SECTION 16 MOUNTAIN DIST.  
CONTINUATION No 2 CHANDLER SHAFT.

MATERIAL	SECTION	THICKNESS	DEPTH BELOW SURFACE	ELEV. DATUM M.H.W	DATE
				212.1	
	<i>Old Shaft</i>				
Sandy Shale (black mky)		8'-0"	192'-0"	20.1	Apr 6/34
			200'-0"	12.1	
Sandstone (cong bands)		18'-0"			
Shale		1'-0"	218'-0" 219'-0"	- 5.9 - 6.9	
Sandstone		15'-0"			
			234'-0"	- 21.9	
Sandy Shale		8'-0"	242'-0"	- 29.9	
Shale		8'-0"	250'-0"	- 37.9	
Sandstone (Marine Fossils)		5'-0"	255'-0"	- 42.9	

200  
11/11/34



*Nandimo F. H. # 64*  
**CANADIAN CASPIERIES**  
 (Dunsmuir) Ltd

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

COUNTY *R. 6* FARM *C-64* WELL NO. \_\_\_\_\_

BLOCK *Sec. 16* SURVEY *(Borehole No. 64)*

SEC. *Mountain* (Wellington Division)

T. \_\_\_\_\_ H. \_\_\_\_\_ TOTAL DEPTH *285'0"*

CONTRACTOR \_\_\_\_\_

COMMENCED *April 6, 1934*

COMPLETED \_\_\_\_\_

REMARKS *Continuation of No 2 Chandler shaft (no record)*

ALTITUDE *222.1*

PRODUCTION \_\_\_\_\_

*(LS)* CASING RECORD

10'

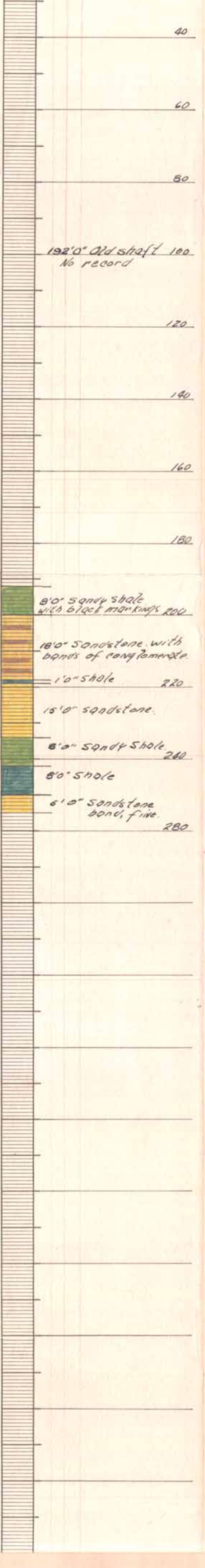
20' 5 3/4"

15 1/4" 5 1/4"

12 1/4"

SHOT QUARTS BETWEEN

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



00720

C-63

(L6)

CANADIAN COLLIERIES (D) LTD

WELLINGTON DIVISION

BORE HOLE N°63

SCALE 1 INCH = 20 FEET

LOT 8, BRIGHT DIST.

MATERIAL	SECTION	THICKNESS	DEPTH BELOW SURFACE	ELEV. Datum 2000' below M.H.W.	DATE
		0'-0"		2318.63	Feb 14, 34
Gravel & Boulders		58'-0"			
Conglomerate		4'-0"	58'-0" 62'-0"	2260.6 2256.6	
Shale		17'-0"		2239.6	
Conglomerate		8'-0"	79'-0"	2231.6	
Shale		2'-0"	87'-0"	2229.6	
Sandstone		2'-0"	89'-0"	2227.6	
Shale		28'-0"			
Sandstone		4'-0"	119'-0" 123'-0"	2199.6 2195.6	
Shale		18'-0"		2177.6	
Conglomerate		20'-0"	141'-0"		
Sandstone		4'-0"	161'-0"	2157.6	
Conglomerate		4'-0"	165'-0"	2153.6	
Sandstone		2'-0"	169'-0" 171'-0"	2149.6 2147.6	
Conglomerate		34'-0"			
Shale		2'-0"	205'-0" 207'-0"	2113.6 2111.6	
Sandy Shale		17'-0"			
Sandstone		3'-0"	224'-0" 227'-0"	2094.6 2091.6	
Conglomerate		6'-0"			
Sandstone		2'-0"	235'-0" 235'-0"	2085.6 2083.6	
Shale		22'-0"			
			257'-0"	2061.6	
Conglomerate		20'-0"			
			277'-0"	2041.6	
Sandstone		13'-0"			
			290'-0"	2028.6	
Shale		12'-0"			
Sandy Shale		4'-0"	302'-0" 306'-0"	2016.6 2012.6	
Shale		11'-0"			
			317'-0"	2001.6	
Sandy Shale		14'-0"			
			331'-0"	1987.6	
Shale		37'-0"			
Sandstone		7'-0"	368'-0" 375'-0"	1950.6 1943.6	
Shale		18'-0"			
			393'-0"	1925.6	
Conglomerate		32'-0"			
Shale		1'-0"	445'-0" 446'-0"	1873.6 1872.6	
Conglomerate		67'-0"			
Sandstone		4'-0"	513'-0" 517'-0"	1805.6 1801.6	
Conglomerate		22'-0"			
			539'-0"	1779.6	
Shale		27'-0"			
Sandy Shale		3'-0"	566'-0" 569'-0"	1752.6 1749.6	
Shale		84'-6"			
Black Dirt		0'-6"	653'-6" 654'-0"	1665.1 1662.6	
Shale		28'-0"			
			682'-0"	1636.6	
Sandstone (pebbly)		12'-0"			
			694'-0"	1624.6	
Sandstone (cong bands)		9'-0"			
Conglomerate		2'-0"	703'-0" 705'-0"	1615.6 1613.6	
Shale		6'-0"	711'-0"	1607.6	
Conglomerate		30'-0"			
Shale		4'-0"	741'-0" 745'-0"	1577.6 1573.6	
Conglomerate		61'-0"			
			806'-0"	1512.6	



# 00720

C-62

(L7)

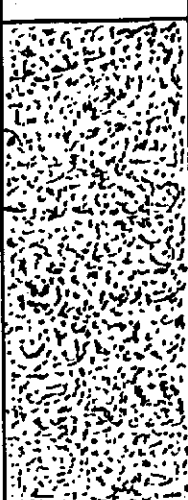
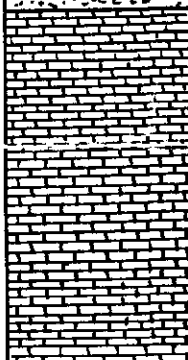
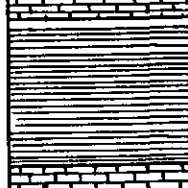
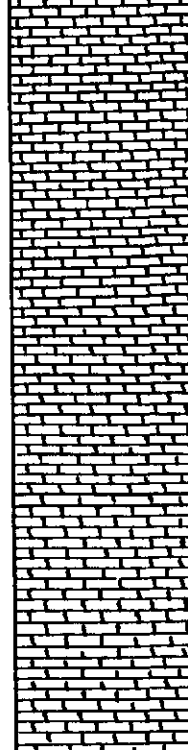

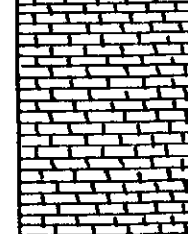

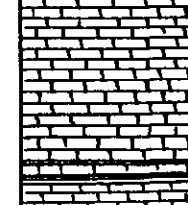

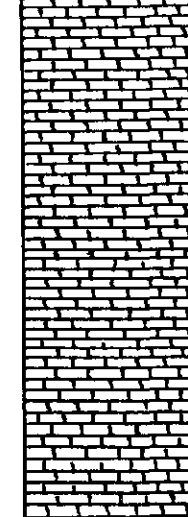

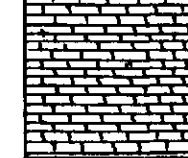

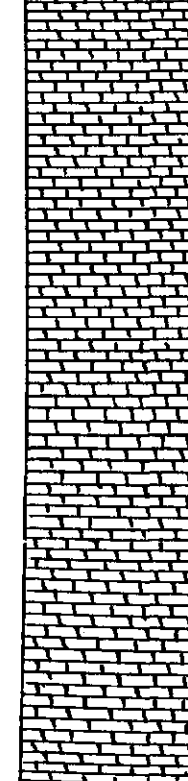
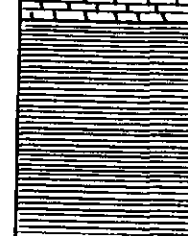












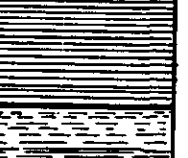


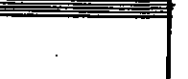

CANADIAN COLLIERIES (D) LTD

WELLINGTON DIVISION

BORE HOLE N° 62

SCALE 1 INCH = 20 FEET

SECTION 14 RANGE 7 CRANBERRY DIST.

MATERIAL	SECTION	THICKNESS	DEPTH BELOW SURFACE	ELEVATION <small>Datum 2000' below M.H.W.</small>	DATE
		0'-0"		2013.6	
Sand & Gravel		50'-0"	50'-0"	1963.6	
Sandstone		38'-0"	88'-0"	1925.6	
Shale		15'-0"	103'-0"	1910.6	
Sandstone		82'-0"	185'-0"	1828.6	
Shale		11'-0"	196'-0"	1817.6	
Sandstone		28'-0"	224'-0"	1789.6	
Shale		6'-0"	230'-0"	1783.6	
Sandstone		22'-0"			
Shale		1'-0"	252'-0" 253'-0"	1761.6 1760.6	
Sandstone		60'-0"			
Sandy Shale		4'-0"	313'-0" 317'-0"	1700.6 1696.6	
Sandstone		18'-0"			
Shale		2'-0"	335'-0" 337'-0"	1678.6 1676.6	
Sandstone		87'-0"			
Shale		36'-0"	424'-0"	1589.6	
Sandstone		5'-0"	460'-0" 463'-0"	1553.6 1550.6	
Shale		15'-0"			
Sandy Shale		17'-0"	478'-0"	1535.6	
Shale		19'-0"	495'-0"	1518.6	
Sandy Shale		6'-0"	514'-0"	1499.6	
Black Shale		10'-0"	520'-0"	1493.6	
Brown Shale-Cool Mkt		11'-0"	530'-0"	1485.6	
Brown Shale		5'-0"	541'-0"	1472.6	
Dark Shale		8'-0"	546'-0"	1467.6	
Shale			554'-0"	1459.6	
Shale		17'-0"			
Coal		0'-6"	571'-0" 571'-6"	1442.6 1442.1	
Shale		30'-6"			
Blue Shale		6'-0"	602'-0"	1411.6	
Grey Shale		4'-0"	608'-0"	1405.6	
Sandstone		1'-0"	612'-0" 613'-0"	1401.6 1400.6	
Shale		12'-0"			
			625'-0"	1388.6	

Nandimo #11-62  
 CANADIAN COLLEGES  
 (Dynamar) Ltd

STATE: CANADA  
 COUNTY: Sec 14  
 BLOCK: R. 7  
 SEC: Cranbury D.  
 T. 4.  
 FARM: Wellington Division.  
 SURVEY: (Pore Hole No. 62)  
 WELL NO.: C-62  
 TOTAL DEPTH: 625'

CONTRACTOR: \_\_\_\_\_  
 COMMENCED: \_\_\_\_\_  
 COMPLETED: \_\_\_\_\_  
 REMARKS: (18)

ALTITUDE: 1326'  
 PRODUCTION: \_\_\_\_\_

CASING RECORD

00720  
 20" 8"  
 15 1/2" 5"  
 12 1/4" SHOT QUARTS BETWEEN

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






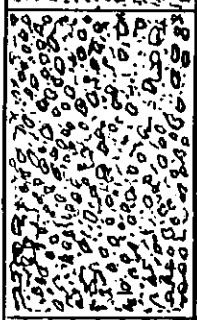
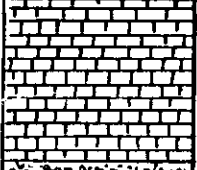

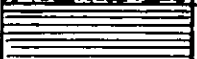











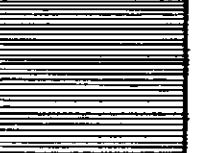
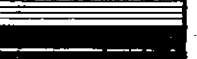










# 00720

# C-61A

69

CANADIAN COLLIERIES (D) LTD  
WELLINGTON DIVISION  
BORE HOLE N°61-A  
SCALE 1 INCH = 20 FEET

SECTION 18, RANGE 6, MOUNTAIN DIST.

MATERIAL	SECTION	THICKNESS	DEPTH BELOW SURFACE	ELEV. Datum M.H.W	DATE
		0'-0"		375.3	Aug 26/33
Gravel & Boulders		23'-0"	23'-0"	352.3	
Conglomerate		32'-0"	55'-0"	320.3	
Sandstone		17'-0"	72'-0"	303.3	
Conglomerate		6'-4"	78'-4"	297.0	
Shale & Coal		0'-4"	78'-8"	296.7	
Shale		10'-4"	89'-2"	286.4	
Shale (Dark)		6'-2"	95'-4"	284.9	
Shale		11'-0"	106'-4"		
Black Shale & Coal		2'-0"	108'-4"	273.9	
Shale		15'-6"	124'-0"	271.9	
Shale & Coal Mkgs		0'-4"	124'-4"	256.4	
Shale		15'-8"	140'-0"	252.5	
Brown Dirt		3'-0"	143'-0"	240.3	
Shale		7'-0"	150'-0"	237.3	
Conglomerate		30'-0"	180'-0"	230.3	
Dirt		0'-10"	180'-10"	200.3	
Shale		23'-2"	181'-2"	196.3	
Coal	 ④	3'-1"	184'-3"	176.3	
Shale		9'-2"	193'-5"	173.2	
Coal	 ③	2'-9"	202'-4"	164.0	
Sandy Shale	 ③	1'-0"	211'-4"	161.3	
Shale		21'-0"	212'-4"	160.3	
Dirt		5'-10"	218'-4"	159.3	
Coal	 ②	1'-4"	223'-8"	133.5	
Shale		31'-10"	225'-2"	132.2	
Black Shale		1'-0"	226'-2"	109.4	
Coal	 ①	10'-9"	237'-1"	99.4	
Shale		0'-6"	242'-7"	88.7	Sep 6/33
			247'-3"	88.2	

ANALYSIS							
Spec	Mpts	Vol	F.C	Dist	B.TUS	Sulp	Cont
4	3.10	39.40	39.70	17.80	114.00	0.70	Fair
3	3.20	42.60	42.55	9.85	129.71	0.68	"
2	2.90	43.05	42.25	8.30	130.68	1.10	"
1	2.40	42.80	42.05	7.35	131.40	0.92	"

Drillers { T. Newbury  
 F. Wall

Nanaimo, B.H. 61A  
 CANADIAN COLLIGIES  
 (Dunsmuir) Ltd.

STATE: \_\_\_\_\_ COMPANY: \_\_\_\_\_  
 COUNTY: Sec 18 FARM: \_\_\_\_\_ WELL NO.: C-61A  
 BLOCK: R. 6 SURVEY: (Borehole No. 61-A)  
 SEC.: Mountain Wellington Div)

T. \_\_\_\_\_ R. \_\_\_\_\_ TOTAL DEPTH: 287' 3"

CONTRACTOR: \_\_\_\_\_  
 COMMENCED: Aug 26, 1933  
 COMPLETED: Sept 6, 1933  
 REMARKS: Analysis on archived Log (2 Prox Analy.)

ALTITUDE: 375.3  
 PRODUCTION: \_\_\_\_\_

CASING RECORD

W10

10'  
 20'  
 15 1/2"  
 12 1/2"

00720

SHOT QUARTS BETWEEN

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







**NANAIMO**  
**BRITISH COLUMBIA**  
 STATE (Okanagan) DISTRICT

COMPANY *Bill 61*

COUNTY \_\_\_\_\_ FARM \_\_\_\_\_ WELL NO. \_\_\_\_\_

BLOCK \_\_\_\_\_ SURVEY **C-61**

SEC. *Ranberry*

T. \_\_\_\_\_ R. \_\_\_\_\_ TOTAL DEPTH **392'**

CONTRACTOR \_\_\_\_\_

COMMENCED \_\_\_\_\_

COMPLETED **(L12)**

REMARKS **00720**

ALTITUDE \_\_\_\_\_

PRODUCTION \_\_\_\_\_

**CASING RECORD**

	10"	
	8 1/2"	
20"	6 1/2"	
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

Douglas District on N. Boundary R.T. Sect. 12 Cranberry Dist.

## C-51

(L13)

Canadian Collieries (Dunsmuir) Ltd.

Bore Hole No. 51

Wellington Extension Field

Scale 1" = 20'

MATERIAL	SECTION	THICKNESS	DEPTH BELOW SURFACE	ELEVATION	DATE
Surface		0' - 0"	0' - 0"	2735.48	May 29 <sup>th</sup> 1923
Sand and Gravel		3' - 0"	3' - 0"	2733.48	
			5' - 0"	2730.48	
Sandstone		11' - 3"	16' - 3"	2719.23	" 30 <sup>th</sup> "
Sandy Shale (Sandstone Bands)					
		34' - 3"	50' - 6"	2684.98	June 2 <sup>nd</sup> 1923
Sandy Shale					
		91' - 7"	142' - 1"		" 10 <sup>th</sup> "
Sandy Shale					
		157' - 4"	207' - 10"	2527.64	" 13 <sup>th</sup> "
Shale					
		71' - 7"	279' - 5"	2456.06	" 18 <sup>th</sup> "
Shale (Sandy Shale Bands)		12' - 9"	292' - 2"	2443.31	" 19 <sup>th</sup> "
Shale					
		61' - 10"	354' - 0"	2381.48	27 <sup>th</sup>

Naraino B.H. 51

STATE CANADIAN COLLIERYES (Dunmuir) Ltd.

COMPANY

COUNTY FARM WELL NO. C-51

BLOCK SURVEY (Bore hole No. 51)

SEC. 1 R. (Wellington Extension Field)

TOTAL DEPTH 354' 0"

CONTRACTOR

COMMENCED May 29, 1923

COMPLETED June 27, 1923

REMARKS

ALTIMUDE 735.48

PRODUCTION

(L14)

CASING RECORD

10'		
20'	1"	
15 1/2"	5 1/2"	
12 1/2"	5"	
SHOT	QUANTS	BETWEEN

00720

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





00720

Lot 12 Douglas Dist.

C-52

(L15)

Canadian Collieries (Dunsmuir) Ltd.

Bore Hole No. 52

Wellington Extension Field

Scale 1" = 20'

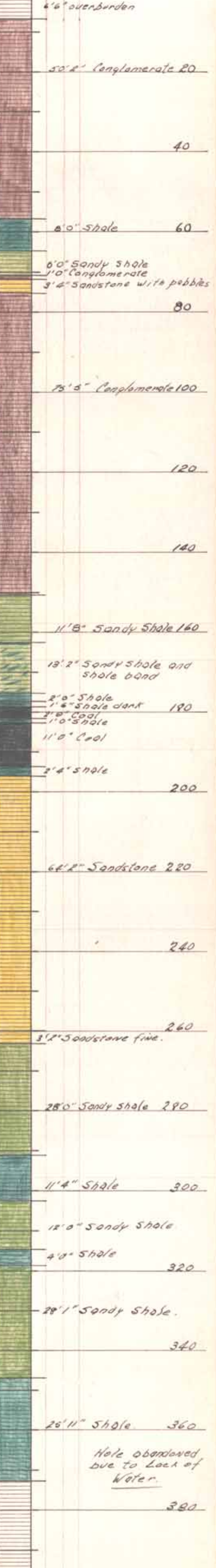
MATERIAL	SECTION	THICKNESS	DEPTH BELOW SURFACE	ELEVATION	DATE
Surface		0'-0"	0'-0"	2878.94	July 12 <sup>th</sup> 1923
Gravel and Boulders		6'-6"	6'-6"	2872.44	" " "
Conglomerate		50'-2"	56'-8"	2822.27	" 28 <sup>th</sup> "
		8'-0"	64'-8"	2814.27	" 30 <sup>th</sup> "
Shale		4'-0"	70'-8"	2808.27	" " "
Sandy Shale		4'-0"	71'-8"	2807.27	" " "
Conglomerate		3'-4"	75'-0"	2803.94	" " "
Conglomerate		75'-5"	150'-5"	2728.52	Aug. 25 <sup>th</sup> "
		24'-10"	175'-3"	2703.69	" 28 <sup>th</sup> "
Sandy Shale		3'-6"	178'-9"	2700.19	" 29 <sup>th</sup> "
Shale		2'-9"	181'-6"	2697.44	" " "
Coal		1'-6"	182'-6"	2696.44	" " "
Shale		11'-0"	193'-6"	2685.44	" 30 <sup>th</sup> "
Shale		2'-4"	195'-10"	2683.11	" " "
Sandstone		67'-4"	263'-2"	2615.78	Sep. 8 <sup>th</sup> 1923
		28'-0"	291'-2"	2587.78	" 10 <sup>th</sup> "
Sandy Shale		11'-4"	302'-6"	2576.44	" 11 <sup>th</sup> "
Shale		12'-0"	314'-6"	2564.44	" 12 <sup>th</sup> "
Sandy Shale		4'-0"	318'-6"	2560.44	" " "
Shale		28'-1"	346'-7"	2532.36	" 14 <sup>th</sup> "
Sandy Shale		25'-11"	372'-6"	2506.44	Sep. 17 <sup>th</sup> 1923

Nanaimo B.H. 52  
 STATE CANADIAN COLLEGES (DUNSMUIR) LTD.  
 COUNTY Lot 12 FARM C-52 WELL NO.  
 BLOCK Douglas Survey Bore Hole No. 52  
 SEC. Wellington Extension Field.  
 T. R. TOTAL DEPTH 372'6"  
 CONTRACTOR  
 COMMENCED July 12, 1923  
 COMPLETED Sept 18, 1923  
 REMARKS  
 ALTITUDE 278.74' PRODUCTION (L16)

CASING RECORD

10'		
20'	10'	
15'	5'	
12'	5'	
SHOT	QUARTS	BETWEEN

00720







# 00720

R. 1. Sect 2. Cranberry District

## C-54

(LIB)

Canadian Collieries (Dunsmuir) Ltd.

Bore Hole No. 54.

Wellington Extension Field.

Scale 1" = 20'

Material	Section	Thickness	Depth Below Surface	Elevation	Date.
Surface Gravel		0'-0"	0'-0"	2691.75	Jan. 19 <sup>th</sup> 1924
		3'-6"	3'-6"	2688.25	
Conglomerate (Rough)					
		12'-6"	125'-0"	2566.75	Feb. 3 <sup>rd</sup> 1924
Coal and Shale		8'-5"	126'-5"	2565.83	" 4 <sup>th</sup> "
Shale		6'-6"	132'-10"	2558.91	" " "
Conglomerate		22'-2"	155'-0"	2536.75	" 5 <sup>th</sup> "
Shale		7'-0"	162'-0"	2529.75	" 6 <sup>th</sup> "
Coal		0'-6"	162'-6"	2529.25	" " "
Shale		11'-6"	174'-0"	2517.75	" " "
Conglomerate					
		54'-0"	228'-0"	2463.75	" 11 <sup>th</sup> "
Coal and Shale		2'-0"	230'-0"	2461.75	" 12 <sup>th</sup> "
Coal		2'-8"	233'-4"	2458.91	" " "
Shale (Brown-Sandy)		10'-0"	243'-4"	2448.91	" 13 <sup>th</sup> "
Shale (Sandy)		22'-0"	265'-4"	2426.41	" " "
Conglomerate		19'-0"	284'-4"	2407.41	" 14 <sup>th</sup> "
Shale (Sandy)		22'-8"	307'-0"	2384.75	Feb. 16 <sup>th</sup> 1924

Analysis		Lab. No. 205 H
Moisture	1.50	
Volatile Matter	38.30	39.49
Fixed Carbon	50.30	51.07
Ash	9.30	9.45
	100.00	100.00

Analysis		Lab. No. 205 D
Moisture	1.15	
Volatile Matter	37.45	37.91
Fixed Carbon	50.80	51.37
Ash	8.60	8.75
	100.00	100.00



**NANAINO**  
**CANADIAN COLLIERIES (DUNSMUIR) LTD.**  
**B.H. 54**

STATE \_\_\_\_\_ COMPANY \_\_\_\_\_  
 COUNTY \_\_\_\_\_ FARM \_\_\_\_\_ WELL NO. \_\_\_\_\_  
 BLOCK **R1 Sec 2** SURVEY **Brenole No 54**  
 SEC. **CRANBERRY D.** (Wellington Extension Field)  
 T. \_\_\_\_\_ R. \_\_\_\_\_ TOTAL DEPTH **307'**

CONTRACTOR \_\_\_\_\_  
 COMMENCED **Jan 19, 1924**  
 COMPLETED **Feb 16, 1924**  
 REMARKS **Analysis on log in Archives (2 Prox Analy.)**

ALTITUDE **691.75**  
 PRODUCTION **(L19)**

**CASING RECORD**

**00720**

SHOT QUARTS BETWEEN

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







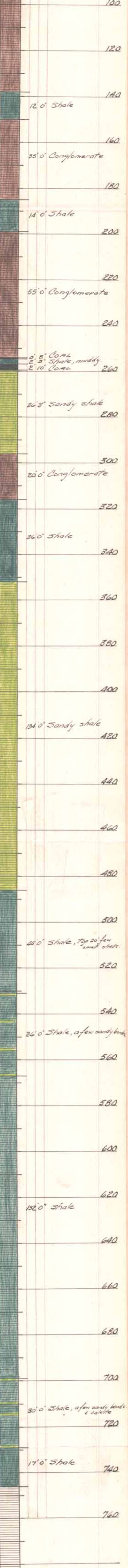
VAINALIMO  
 STATE *CRISTIAN COLLIERIES (DUNSMUIR) LTD.*  
 COUNTY *Dist. 55* COMPANY *C-55* WELL NO.  
 BLOCK *Sec 1 R2* SURVEY *(Borehole No. 55)*  
 SEC. *(Cranberry)* *Wellington Extension*  
 T. R. *(Field)* TOTAL DEPTH *746'*

CONTRACTOR  
 COMMENCED *Mar 7, 1924*  
 COMPLETED *Apr 22, 1924*  
 REMARKS *Analysis on Archweld Log (1 prox analysis)*

ALTITUDE *683'*  
 PRODUCTION *(L2)* CASING RECORD

10'  
 20'  
 15'  
 12'  
 QUARTS BETWEEN

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



# 00720

Lot 22, Bright District

C-56

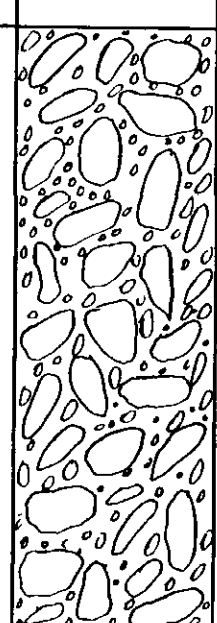
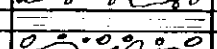
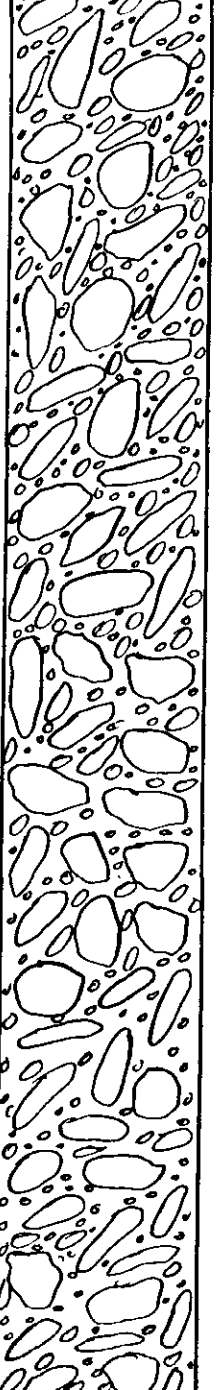


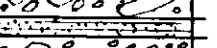

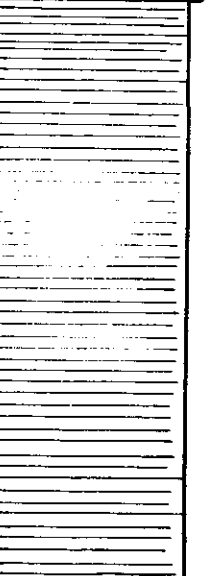
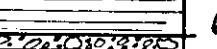
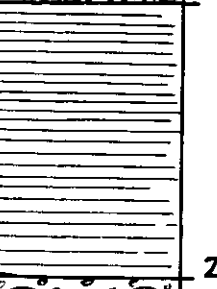

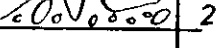
(L22)

Canadian Collieries (Dunsmuir) Ltd.

Bore Hole No. 56.

Wellington Extension Field.

Scale 1" = 20'.

Material	Section	Thickness	Depth Below Surface	Elevation	Date
Surface		0' - 0"	0' - 0"	2629.90	Mar. 5. 1924
Conglomerate					
Shale		63' - 0" 2' - 0"	63' - 0" 65' - 0"	2566.90 2564.90	" 12. "
Conglomerate					
Sandy Shale		151' - 0" 7' - 0"	216' - 0" 223' - 0"	2413.90 2406.90	" 23. "
Conglomerate					
Sandstone and Shale		26' - 0" 2' - 0"	249' - 0" 251' - 0"	2380.90 2378.90	Apr. 1. "
Conglomerate		31' - 0"	282' - 0"	2347.90	" 2. "
Shale					
Conglomerate		64' - 0" 1' - 6"	346' - 0" 347' - 6"	2283.90 2282.40	" 6. "
Shale					
Conglomerate		28' - 6"	376' - 0"	2253.90	" 12. "
Conglomerate		29' - 0"	405' - 0"	2224.90	Apr. 16. 1924



**NAINAIMO**  
**CANADIAN COLLIERIES**  
 (Dunsmuir) LTD.  
 COMPANY *Bill 56*

STATE \_\_\_\_\_ COUNTY *LOT* FARM \_\_\_\_\_ WELL NO. *(C-56)*

BLOCK *22* SURVEY *(Boothole No. 56 Wellington Extension Field)*

SEC *Bright D.*

T. \_\_\_\_\_ R. \_\_\_\_\_ TOTAL DEPTH *405'*

CONTRACTOR \_\_\_\_\_ COMMENCED *Mar 5, 1924* COMPLETED *April 16, 1924*

REMARKS \_\_\_\_\_

ALTITUDE *1229.9* PRODUCTION \_\_\_\_\_

**(L23)**

**CASING RECORD**

10° \_\_\_\_\_  
 20° \_\_\_\_\_  
 15% \_\_\_\_\_  
 124° \_\_\_\_\_

SHOT \_\_\_\_\_ DARTS \_\_\_\_\_ BETWEEN \_\_\_\_\_



# 00720

Lot 174 Bright Dist

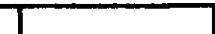

C-57  
L24

Canadian Collieries (Dunsmuir) Ltd.

Bore Hole No. 57

Wellington Extension Field.

Scale 1" = 20'

Material	Section	Thickness	Depth Below Surface	Elevation	Date
Surface		0' - 0"	0' - 0"	2685.72	Apr. 15. 1924
Conglomerate		84' - 0"	84' - 0"	2601.72	Apr. 19. 1924



**NANAIMO**  
**CANADIAN COLLIERIES**  
**(DUNSMUIR) LTD.**

STATE: **BRITISH COLUMBIA** COMPANY: **(DUNSMUIR) LTD.**

COUNTY: **LOT 194** FARM: **C-57** WELL NO.: **C-57**

BLOCK: **BRIGHT** SURVEY: **(Bore Hole No 57)**

SEC: **215.** **Wellington Field**  
**Extension**

T. R. TOTAL DEPTH: **84'**

CONTRACTOR: \_\_\_\_\_

COMMENCED: **Apr. 15, 1924**

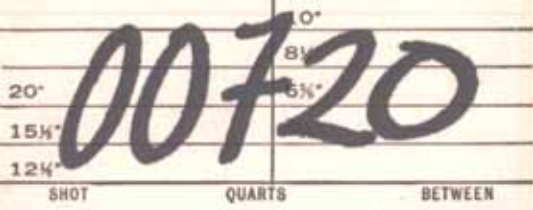
COMPLETED: **Apr. 19, 1924**

REMARKS: **(L25)**

ALTITUDE: **685.72**

PRODUCTION: \_\_\_\_\_

**CASING RECORD**



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



# 00720

C-58

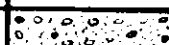
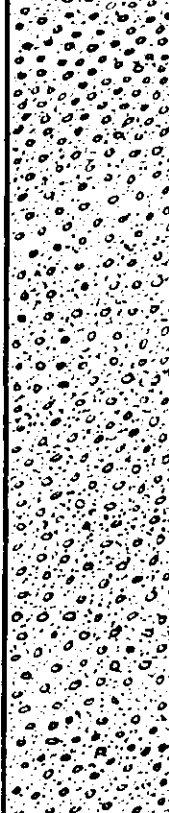




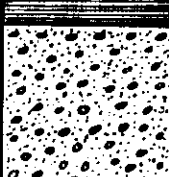

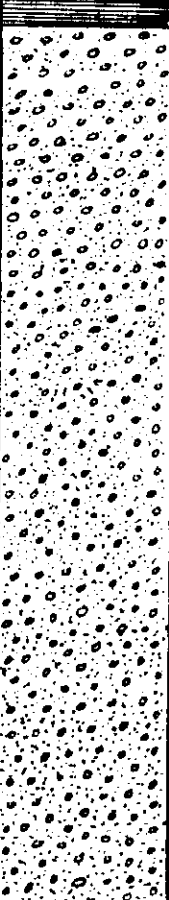

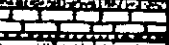
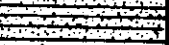

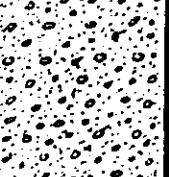

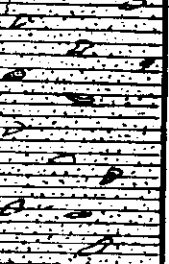
(26)

Canadian Collieries (D) Ltd

Bore Hole N<sup>o</sup> 58

Wellington Extension Field

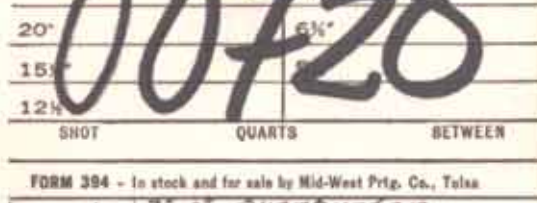
Scale 1" = 20'

MATERIAL	SECTION	THICKNESS	DEPTH BELOW SURFACE	ELEVATION	DATE
Surface					May 4/27
Conglomerate		90-0"			
Shale		4-5"	90-0"		
Shale (Brown)		1-0"	95-0"		
Coal & Shale		0-9"	96-0"		
Shale		12-0"		108-0"	
Conglomerate		16-9"			
Shale (Soft)		5-3"	124-9"		
			130-0"		
Conglomerate		95-9"			
Sandstone with coal		1-0"	225-0"		
Sandstone		2-6"	226-0"		
Conglomerate		0-8"	229-0"		
Sandy Shale		4-6"	233-0"		
Conglomerate		26-0"			
			260-0"		
Sandy Shale (Hard)		38-3"			
Lat 30 ft showing marine shell					
			298-6"		May 27/27 John Thomson (Driller)



**NANAIMO**  
**CANADIAN COLLIERIES**  
 STATE (PUNJAB) LTD. B.H. 58  
 COUNTY FARM WELL NO. **C-58**  
 BLOCK LOT 194 SURVEY (Bore Hole No. 58)  
 SEC. BRIGHT Wellington Extension Field  
 RANNEY TOTAL DEPTH **288' 6"**  
 CONTRACTOR **May 24**  
 COMMENCED ~~Apr. 1927~~ **1927**  
 COMPLETED ~~Apr. 11, 1927~~  
 REMARKS **May 27 / 1927**  
 ALTITUDE **2**  
 PRODUCTION **(L27)**

**CASING RECORD**



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



# 00720

C-59  
L20

CANADIAN COLLIERIES (D) LTD.

BORE HOLE N° 59

WELLINGTON EXTENSION FIELD

SCALE 1" = 20'

MATERIAL	SECTION	THICKNESS	DEPTH BELOW SURFACE	ELEVATION	DATE
Surface		0'-0"	0'-0"		May 27/1927
Decomposed Bed Rock		8'-9"	8'-4"		June 5/27
Conglomerate		63'-0"			
Shale		5'-3"	71'-9" 77'-0"		June 8/27
Conglomerate		36'-5"			
Shale (soft)		15'-0"	113'-8"		June 9/27
Shale (sandy)		2'-0"	128'-8" 130'-8"		
Conglomerate		18'-6"			
Shale		20'-0"	149'-2"		June 12/27
Conglomerate		36'-5"	169'-2"		
Shale Coal Markings		4'-0"	205'-8" 209'-8"		June 16/27
Shale (sandy)		21'-0"			
Sandstone		12'-0"	221'-8"		
Conglomerate		21'-0"	242'-8"		June 17/27
Shale (sandy)		23'-0"	263'-8"		
			286'-8"		June 19/27 John Thomson (Driller)



STATE OKLAHOMA COMPANY OKLAHOMA COLLIERIES (DUNHAM) LTD.

COUNTY SEC 2 FARM C-59 WELL NO.

BLOCK R 1 SURVEY (Borehole No. 59)

SEC. (Barberry) Wellington Extension Field

TOTAL DEPTH 286' 8"

CONTRACTOR

COMMENCED May 27, 1927

COMPLETED June 18, 1927

REMARKS (Signature)

ALTITUDE ?

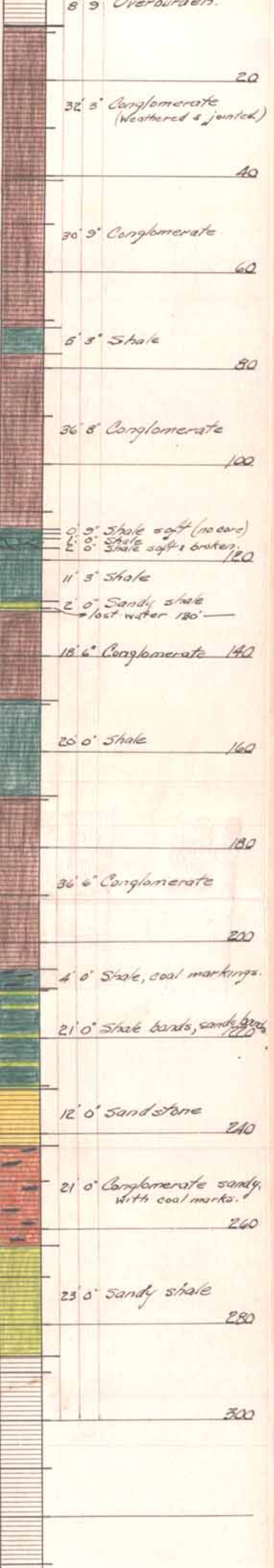
PRODUCTION

CASING RECORD

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

**00720**

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



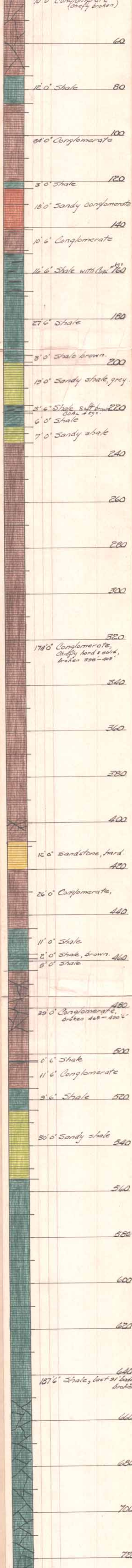


HANNAH  
 CAROLAN COLLEGES  
 STATE COMPANY (Durham) 742-60  
 COUNTY FARM WELL NO.  
 BLOCK SURVEY C-60  
 SEC. Cranberry  
 T. R. 742' TOTAL DEPTH  
 CONTRACTOR  
 COMMENCED  
 COMPLETED (L 70)  
 REMARKS  
 ALTITUDE 2  
 PRODUCTION

CASING RECORD

10'		
20'	00720	6 1/4"
15 1/4"		5 1/4"
12 1/4"		
SHOT	QUARTS	BETWEEN

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





NANAID CO  
 CANADIAN COLLIERIES  
 STATE (ONTARIO) LTD  
 COUNTY LOT 8 FARM B.H. 63  
 BLOCK BRIGHT SURVEY (Bore Hole No 63)  
 SEC. D. Wellington Division  
 T. R. TOTAL DEPTH 806' 0"

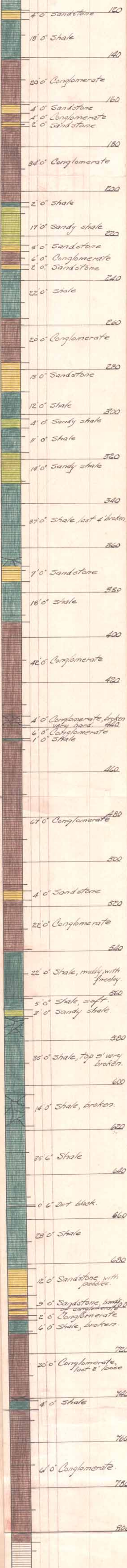
COMPANY B.H. 63  
 WELL NO. (C-63)  
 COMMENCED Feb 14, 1934  
 COMPLETED ? , 1934  
 REMARKS (L3)

ALTITUDE 312.63  
 PRODUCTION

CASING RECORD

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

FORM 294 - In stock and for sale by Mid-West Prtg. Co., Tulsa



Borehole  
Computer  
Listing

Nanaimo



## BOREHOLE RECORD - DESCRIPTION OF STRUCTURE

*to be used to interpret printout*

( TYPE OF CHARACTER [ A = ALPHA, N = NUMERIC, A/N = ALPHANUMERIC ] )  
 ( TAB INDICATES THE CODE TABLE NUMBER ASSOCIATED WITH THE DATA FIELD )

FIELD NO.	INFO. IN DATA FIELD	CHAR. LENG. OF FIELD	TYPE OF CHAR.	POS. FIELD IN RECORD
1	STATUS OF ASSESS REPORT (TAB 001)	1	A	1
2	YEAR OF THE REPORT	2	N	2-3
3	UNIQUE PROP. IDENT (TAB 022)	5	A/N	4-8
4	LETTER OF REPORT (IE A,B,C,D)	1	A	9
5	RECORD TYPE, BOREHOLE = L	1	A	10
6	BOREHOLE NO.	3	N	11-13
7	NO. OF ANALYSES	3	N	14-16
8	UNUSED FIELD	9	-	17-25
9	PROPERTY NAME CODE (TAB 022)	8	A/N	26-33
10	AREA NAME CODE (TAB 003)	8	A/N	34-41
11	BOREHOLE IDENTIFIER	12	A/N	42-53
12	LICENCE NO.	4	A/N	54-57
13	TYPE OF DRILLING (TAB 013)	4	A	58-61
14	UTM EASTING	6	N	62-67
15	UTM NORTHING	7	N	68-74
16	UTM ZONE	2	N	75-76
17	ELEVATION (COLLAR)	4	N	77-80
18	DEPTH OF HOLE	4	N	81-84
19	DIP DIRECTION OF HOLE	3	N	85-87
20	SURFACE DIP OF HOLE	3	N	88-90
	DRILLING YEAR	2	N	91-92

00720(42)

22	DRILLING MONTH	2	N	93-94
23	DRILLING DAY	2	N	95-96
24	HOLE DIAMETER	5	A/N	97-101
25	CORE TYPE (TAB 009)	2	A	102-105
26	MATERIAL FILLING HOLE (TAB 016)	1	A	106
27	FLY ANALYSES (Y OR N)	1	A	107
28	NO. OF COAL INTERSECTIONS	3	N	108-110
29	NO. OF SAMPLES TAKEN	3	N	111-113
30	FIRST CONTRACTOR	8	A/N	114-121
31	SECOND CONTRACTOR IF APPLICABLE	8	A/N	122-129
32	GEOPHYSICAL LOG TYPES (TAB 017)	5X12	A	130-189
33	CORE STORAGE	12	A/N	190-201
34	UNUSED FIELD	29	-	202-230



VERSION 2.0

COAL RESOURCES SECTION

NANAIMO BASIN BOREHOLES...DEC. 1987

\*\*\* CONTROL CARD \*\*\* RECORD TYPE = 6 OPERATOR IS = START POSITION = 010 FIELD VALUE = L

000 087N 006AL001 100 002	NANAIMOBNANAIMO W-1 LITH	1876	43234954456751000020221	760509
000 087N 006AL002 100 003	NANAIMOBNANAIMO W-2 LITH	1876	43379054416101000200126	761014
000 087N 006AL003 100 006	NANAIMOBNANAIMO W-3 LITH	1877	43445054403101000600151	770317
000 087N 006AL004 100 002	NANAIMOBNANAIMO W-4 LITH	1877	43507554404001000200211	771001
000 087N 006AL005 100 002	NANAIMOBNANAIMO W-5 LITH	1878	43376054423701000100237	7808
000 087N 006AL006 100 004	NANAIMOBNANAIMO W-6 LITH	1879	43425054408451000250181	790725
000 087N 006AL007 100 002	NANAIMOBNANAIMO W-7 LITH	1879	43325054425801000200229	791122
000 087N 006AL008 100 002	NANAIMOBNANAIMO W-8 LITH	1880	43344854416501000180049	800224
000 087N 006AL009 100 000	NANAIMOBNANAIMO W-9 LITH	1881	43040254449951000600239	810323
000 087N 006AL010 100 003	NANAIMOBNANAIMO W-10 LITH	1880	43254554453001000020194	801118
000 087N 006AL011 100 002	NANAIMOBNANAIMO W-11 LITH	1881	43219954461991000040186	810581
000 087N 006AL012	NANAIMOBNANAIMO W-12		4303105446100100050	
000 087N 006AL013	NANAIMOBNANAIMO W-13		4293755446750100050	
000 087N 006AL014 100 004	NANAIMOBNANAIMO W-14 LITH	1884	43388054402001000450225	840301
000 087N 006AL015 100 001	NANAIMOBNANAIMO W-15U LITH	1889	432410544550010 0385	890614
000 087N 006AL016 100 000	NANAIMOGBABRIOLAW-16 LITH	1889	44188054434451000900612	890504
000 087N 006AL017 100 004	NANAIMOBMOUNTAINW-17 LITH	1888	44030254498201001080203	880303

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VERSION 2.0

COAL RESOURCES SECTION

NANAIMO BASIN BOREHOLES...DEC. 1987

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000 100	087N 005	006AL018 005	NANAIMO LITH	BOUNTAINW-18	1888	42754054488551001010129	880602
000 100	087N 004	006AL019 004	NANAIMO LITH	BOUNTAINW-19	1888	42732554495251001200127	880901
000 100	087N 001	006AL020 001	NANAIMO LITH	BANAIMO W-20	1890	43438054411501000190591	900329
000 100	087N 009	006AL021 009	NANAIMO LITH	BANAIMO W-21	1890	43425554425451000020326	901213
000 100	087N 019	006AL022 019	NANAIMO LITH	BANAIMO W-22	1890	43346054468001000000235	901227
000 100	087N 003	006AL023 003	NANAIMO LITH	BANAIMO W-23	1891	42935054491501000730209	910509
000 100	087N 001	006AL024 001	NANAIMO LITH	BANAIMO W-24	1891	42992554495601000010285	9107
000 100	087N 003	006AL025 003	NANAIMO LITH	BOUNTAINW-25	1891	42866054494201000790186	911028
000 100	087N 002	006AL026 002	NANAIMO LITH	BANAIMO W-26	1891	43000054424101001250149	910829
000 100	087N 002	006AL027 002	NANAIMO LITH	BANAIMO W-27	1891	43030154491501000010287	910922
000 100	087N 002	006AL028 002	NANAIMO LITH	BCRANBERYW-28	1891	43011054414801001630107	911022
000 100	087N 003	006AL029 003	NANAIMO LITH	BANAIMO W-29	1891	42968054433801001040115	911222
000 100	087N 003	006AL030 003	NANAIMO LITH	BOUNTAINW-30	1892	42835054490001001030202	920108
000 100	087N 007	006AL031 007	NANAIMO LITH	BOUNTAINW-31	1896	42865054493751000910344	920414
000 100	087N 005	006AL032 005	NANAIMO LITH	BOUNTAINW-32	1893	42757554401501001180215	930593
000 100	087N 006	006AL033 006	NANAIMO LITH	BOUNTAINW-33	1893	42784554498751001060196	930115
000 100	087N 005	006AL034 005	NANAIMO LITH	BOUNTAINW-34	1894	42769554485751000990140	940303

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VERSION 2.0

COAL RESOURCES SECTION

NANAIMO BASIN BOREHOLES...DEC. 1987

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000 087N 006AL035 100 005	NANAIMOBMOUNTAINW-35 LITH	1894	42793054485751001000140	940324
000 087N 006AL036 100 001	NANAIMOBNANAIMO W-36 LITH	1895	DIAM42971054468201000500110	951207
000 087N 006AL037 100 004	NANAIMOBNANAIMO W-37 LITH	1895	DIAM42964054460701000600144	950111
000 087N 006AL038 100 004	NANAIMOBNANAIMO W-38 LITH	1896	DIAM42924554430801001420231	960221
000 087N 006AL039 100 002	NANAIMOBNANAIMO W-39 LITH	1896	DIAM43069554432901000600183	960406
000 087N 006AL040 100 001	NANAIMOBNANAIMO W-40 LITH	1896	DIAM43074854431251000620171	9605
000 087N 006AL041 100 001	NANAIMOBCRANBERYW-41 LITH	1896	DIAM43182554411001001050221	960530
000 087N 006AL042 100 001	NANAIMOBCRANBERYW-42 LITH	1897	43175054407751000980346	970503
000 087N 006AL043 100 C 009	NANAIMOBNANAIMO W-43 LITH	1897	43392054441201000000448	970202
000 087N 006AL044 100 009	NANAIMOBNANAIMO W-44 LITH	1897	DIAM43499554415001000220274	970423
000 087N 006AL045 100 007	NANAIMOBNANAIMO W-45 LITH	1897	DIAM43570854417481000020353	971211
000 087N 006AL046 100 003	NANAIMOBNANAIMO W-46 LITH	1899	43260054491801000030148	990323
000 087N 006AL047 100	NANAIMOBNANAIMO W-47 LITH	1899	4323905448950100006	99
000 087N 006AL048 100 004	NANAIMOBNANAIMO W-48 LITH	1899	43272054497901000000104	990508
000 087N 006AL049 100 001	NANAIMOBNANAIMO W-49 LITH	1899	43217054459551000030116	990804
000 087N 006AL050 100 004	NANAIMOBNANAIMO W-50 LITH	1899	DIAM43351054406001000300148	990721
000 087N 006AL051 100 009	NANAIMOBNANAIMO W-51 LITH	1899	43440054419301000180217	990801

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VERSION 2.0

COAL RESOURCES SECTION

NANAIMO BASIN BOREHOLES...DEC. 1987

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000 100	087N 006AL052 005	NANAIMOBNANAIMO W-52 LITH	1899	43429054417701000100180	990912
000 100	087N 006AL053 008	NANAIMOBNANAIMO W-53 LITH	1899	DIAM43520054411001000150222	991103
000 100	087N 006AL054 011	NANAIMOBNANAIMO W-54 LITH	1899	43515054416501000070234	000210
000 100	087N 006AL055 006	NANAIMOBNANAIMO W-55 LITH	1900	43536054403001000100168	000221
000 100	087N 006AL056 006	NANAIMOBNANAIMO W-56 LITH	1900	43602054423751000030791	001110
000 100	087N 006AL057 009	NANAIMOBNANAIMO W-57 LITH	1900	43594954402101000070253	000526
000 100	087N 006AL058 C 006	NANAIMOBNANAIMO W-58 LITH	1900	43557554407751000150180	000625
000 100	087N 006AL059 003	NANAIMOBCRANBERYW-59 LITH	1900	43005054344251002400153	000721
000 100	087N 006AL060 001	NANAIMOBNANAIMO W-60 LITH	1900	43372054402801000300034	000808
000 100	087N 006AL061 003	NANAIMOBNANAIMO W-61 LITH	1900	43374554401101000390063	000821
000 100	087N 006AL062 001	NANAIMOBNANAIMO W-62 LITH	1900	43388054399301000390026	000914
000 100	087N 006AL063 001	NANAIMOBNANAIMO W-63 LITH	1900	43366054405901000380070	001008
000 100	087N 006AL064 C 005	NANAIMOBCRANBERYW-64 LITH	1900	23560254397501000030195	001231
000 100	087N 006AL065 000	NANAIMOBNANAIMO W-65 LITH	1901	43020054425201001200106	010209
000 100	087N 006AL066 C 001	NANAIMOBNANAIMO W-66 LITH	1901	42971554422851001620045	010201
000 100	087N 006AL067 002	NANAIMOBCRANBERYW-67 LITH	1901	43000054420451001550045	010305
000 100	087N 006AL068 004	NANAIMOBCRANBERYW-68 LITH	1901	43029054418001001500076	010329

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VERSION 2.0

COAL RESOURCES SECTION

NANAIMO BASIN BOREHOLES...DEC. 1987

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000	087N	006AL069	NANAIMOBCRANBERYW-69	1901	43096054414151001190104	010515
100		004	LITH			
000	087N	006AL070	NANAIMOBCRANBERYW-70	1901	43060054412451001400093	010524
100		002	LITH			
000	087N	006AL071	NANAIMOBNANAIMO W-71	1902	43150054482601000200080	021226
100		002	LITH			
000	087N	006AL072	NANAIMOBNANAIMO W-72	1903	43174554485801000400123	030113
100		003	LITH			
000	087N	006AL073	NANAIMOBNANAIMO W-73	1903	43095054490501000000026	030119
100		001	LITH			
000	087N	006AL074	NANAIMOBNANAIMO W-74	1903	43095054491501000000020	030121
100		001	LITH			
000	087N	006AL075	NANAIMOBNANAIMO W-75,88		43060254489981000030302	101024
100		000	LITH			
000	087N	006AL076	NANAIMOBNANAIMO W-76U	1947	4325005449010100010	
100			LITH			
000	087N	006AL077	NANAIMOBNANAIMO W-77U	1904	432720544638510	0023 041129
100		001	LITH			
000	087N	006AL078	NANAIMOBNANAIMO W-78U	1904	429990544700510	0019 041220
100		002	LITH			
000	087N	006AL079	NANAIMOBNANAIMO W-79U	1905	432850544670010	0021 050117
100		002	LITH			
000	087N	006AL083	NANAIMOBNANAIMO W-83	1910	43231054432001000320493	100621
100		002	LITH			
000	087N	006AL084	NANAIMOBNANAIMO W-84	1910	43178054493501000210060	100223
100		001	LITH			
000	087N	006AL085	NANAIMOBNANAIMO W-85	1910	43186054495101000210103	100429
100		002	LITH			
000	087N	006AL086	NANAIMOBNANAIMO W-86	1910	43173054496751000300095	100626
100		002	LITH			
000	087N	006AL087	NANAIMOBNANAIMO W-87	1910	43187054498501000220057	100802
100		004	LITH			
000	087N	006AL089	NANAIMOBNANAIMO W-89	1910	43196554490151000300092	100903
100		002	LITH			

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VERSION 2.0

COAL RESOURCES SECTION

NANAIMO BASIN BOREHOLES...DEC. 1987

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000	087N 006AL090 100 001	NANAIMOBNANAIMO W-90 LITH		43205054488701000290112	101024
000	087N 006AL091 100 002	NANAIMOBNANAIMO W-91 LITH	1911	43178054483251000220105	110228
000	087N 006AL092 100 005	NANAIMOBNANAIMO W-92 LITH	1911	43080054490801000070309	110426
000	087N 006AL093 100 003	NANAIMOBNANAIMO W-93 LITH	1912	43192054494151000170083	120401
000	087N 006AL094 100 000	NANAIMOBNANAIMO W-94 LITH	1912	43155054497101000330032	120430
000	087N 006AL095 100 004	NANAIMOBNANAIMO W-95 LITH	1912	43190054485601000400108	120617
000	087N 006AL096 100 003	NANAIMOBNANAIMO W-96 LITH	1912	431840544859010 0105	120817
000	087N 006AL097 100 002	NANAIMOBNANAIMO W-97 LITH	1912	43218054487451000220112	120921
000	087N 006AL098 100 004	NANAIMOBNANAIMO W-98 LITH		43220054493801000200103	121101
000	087N 006AL099 100 001	NANAIMOBNANAIMO W-99U LITH	1915	433280544800010 0017	150216
000	087N 006AL100 100 002	NANAIMOBNANAIMO W-100U LITH	1915	433100544831510 0021	150311
000	087N 006AL101 100 002	NANAIMOBNANAIMO W-101U LITH	1913	433370544820010 0016	130830
000	087N 006AL102 100 004	NANAIMOBNANAIMO W-102 LITH	1917	42927554458151000730105	131013
000	087N 006AL103 100 005	NANAIMOBNANAIMO W-103 LITH	1917	43561054412001000030186	171213
000	087N 006AL104 100 002	NANAIMOBNANAIMO W-104 LITH		42950054459501000590101	180105
000	087N 006AL105 100 000	NANAIMOBNANAIMO W-105 LITH	1918	42965054457251000640089	180112
000	087N 006AL106 100 004	NANAIMOBNANAIMO W-106 LITH		42947554457501000670099	180212

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VERSION 2.0

COAL RESOURCES SECTION

NANAIMO BASIN BOREHOLES...DEC. 1987

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000 087N 006AL107 100 002	NANAIMOBNANAIMO W-107 LITH	1918	42938054458751000620108	180301
000 087N 006AL108 100 004	NANAIMOBNANAIMO W-108 LITH	1918	43410054409251000300149	180403
000 087N 006AL109 100 003	NANAIMOBNANAIMO W-109 LITH	1918	42966054454801000710104	180318
000 087N 006AL110 100 003	NANAIMOBNANAIMO W-110 LITH	1918	42995054454101000620110	180413
000 087N 006AL111 100 005	NANAIMOBNANAIMO W-111 LITH	1918	42975054489201000610128	180511
000 087N 006AL112 100 002	NANAIMOBNANAIMO W-112 LITH	1918	43001054456001000620099	180430
000 087N 006AL113 100 006	NANAIMOBNANAIMO W-113 LITH	1918	42982554456001000620106	180516
000 087N 006AL114 100 003	NANAIMOBNANAIMO W-114 LITH	1918	42937554498751000380198	180829
000 087N 006AL115 100 007	NANAIMOBNANAIMO W-115 LITH	1918	43594554409501000060206	181012
000 087N 006AL116 100 006	NANAIMOBNANAIMO W-116 LITH	1918	43619054411751000190180	181216
000 087N 006AL117 100 003	NANAIMOBNANAIMO W-117 LITH	1919	43486054423551000020427	190613
000 087N 006AL118 100 001	NANAIMOBNANAIMO W-118U LITH	1920	432750544580010 0021	200303
000 087N 006AL119 100 000	NANAIMOBNANAIMO W-119U LITH	1920	433160544440510 0027	200621
000 087N 006AL120 100 000	NANAIMOBNANAIMO W-120U LITH	1921	434050544340010 0031	210921
000 087N 006AL121 100 000	NANAIMOB W-121U LITH	1921	10 0029	211008
000 087N 006AL122 100 001	NANAIMOBNANAIMO W-122U LITH	1921	433700544387510 0026	
000 087N 006AL123 100 005	NANAIMOBMOUNTAINW-123 LITH	1922	42890054490051000910153	220621

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VERSION 2.0

COAL RESOURCES SECTION

NANAIMO BASIN BOREHOLES...DEC. 1987

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000 100	087N 006AL124 003	NANAIMOBNANAIMO W-124 LITH	1922	42876054501051000450205	220922
000 100	087N 006AL125 004	NANAIMOBNANAIMO W-125 LITH	1922	42966554494251000440202	221123
000 100	087N 006AL126 003	NANAIMOBNANAIMO W-126 LITH	1923	42927554486251000870123	230129
000 100	087N 006AL127 001	NANAIMOBNANAIMO W-127U LITH	1923	433760544510510 0018	230127
000 100	087N 006AL128 002	NANAIMOBNANAIMO W-128U LITH	1923	433500544594010 0024	230224
000 100	087N 006AL129 000	NANAIMOBNANAIMO W-129 LITH	1923	43036054439101000600169	230428
000 100	087N 006AL130 002	NANAIMOBNANAIMO W-130U LITH	1923	433275544588010 0023	230315
000 100	087N 006AL131 001	NANAIMOBNANAIMO W-131 LITH	1923	43092554444001000420262	230728
000 100	087N 006AL132 001	NANAIMOBNANAIMO W-132U LITH	1924	433670544495610 0010	240329
000 100	087N 006AL133 001	NANAIMOBNANAIMO W-133U LITH	1924	533672544495810 0021	240407
000 100	087N 006AL134 000	NANAIMOBNANAIMO W-134U LITH		10 0027	240417
000 100	087N 006AL135 002	NANAIMOBDUGLAS W-135 LITH	1935	425350544105010 0047	350418
000 100	087N 006AL136 004	NANAIMOBDUGLAS W-136 LITH	1935	425130544095010 0081	350520
000 100	087N 006AL201 002	NANAIMOBCRANBERYC-1 LITH	1910	42940054360601002020045	100823
000	087N 006AL202	NANAIMOBCRANBERYC-1A		4323505436460100110	
000 100	087N 006AL203 004	NANAIMOBCRANBERYC-2 LITH	1910	43038054352201001000099	101025
000	087N 006AL204	NANAIMOBCRANBERYC-2A		4322005436775100120	
000 100	087N 006AL205 000	NANAIMOBBRIGHT C-3 LITH	1910	43206054348201001080233	101102

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VERSION 2.0

COAL RESOURCES SECTION

NANAIMO BASIN BOREHOLES...DEC. 1987

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000 087N 006AL206	NANAIMOBCRANBERYC-3A		4331505437255100070	
000 087N 006AL207 100 003	NANAIMOBCRANBERYC-4 LITH	1910	42995054358501001580039	101017
000 087N 006AL208 100 002	NANAIMOBCRANBERYC-5 LITH	1911	43012554373751001880135	110503
000 087N 006AL209 100 002	NANAIMOBCRANBERYC-6 LITH	1911	43078054353001000970450	111031
000 087N 006AL210 100 000	NANAIMOBCRANBERYC-7 LITH	1911	42977554355101001500278	110131
000 087N 006AL211 100 002	NANAIMOBCRANBERYC-8 LITH	1911	43047554358001001420033	110224
000 087N 006AL212 100 000	NANAIMOBBRIGHT C-9 LITH	1911	43141054335201001580479	110627
000 087N 006AL213 100 002	NANAIMOBCRANBERYC-10 LITH	1911	43338054359001000520100	110914
000 087N 006AL214 100 000	NANAIMOBBRIGHT C-11	1911	43420054337251000500151	110715
000 087N 006AL215001 100 002001	NANAIMOBCRANBERYC-12 LITH	1911	43405054356751000600259	111102
000 087N 006AL216 100 009	NANAIMOBMOUNTAINC-13 LITH	1912	42867554470551000550205	120420
000 087N 006AL217 100 005	NANAIMOBMOUNTAINC-13A LITH		42835054471401000600149	
000 087N 006AL218 100 000	NANAIMOBCRANBERYC-14 LITH	1917	43293054376751000420328	170210
000 087N 006AL219 100 004	NANAIMOBMOUNTAINC-15 LITH	1912	42813054478201000800220	120316
000 087N 006AL220 100 006	NANAIMOBMOUNTAINC-15A LITH		42836054471401000680124	
000 087N 006AL221 100 001	NANAIMOBCRANBERYC-16 LITH	1912	43595054359501000190267	120711
000 087N 006AL222 100 000	NANAIMOBBRIGHT C-17 LITH	1912	43122054331351001780149	120826
000 087N 006AL223 100 001	NANAIMOBCRANBERYC-18 LITH	1912	43602554354251000210164	120821

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VERSION 2.0

COAL RESOURCES SECTION

NANAIMO BASIN BOREHOLES...DEC. 1987

		1	2	3	4	5	6	7	8	9	10
000	087N 006AL224										
100	003	NANAIMOBCRANBERYC-19	1912	43552554364501000160187	121008						
		LITH									
000	087N 006AL225										
100	001	NANAIMOBCRANBERYC-20	1912	43595054379401000350190	121122						
		LITH									
000	087N 006AL226										
100	001	NANAIMOBCRANBERYC-21	1913	43043054376151001610132	130208						
		LITH									
000	087N 006AL227										
100	001	NANAIMOBCRANBERYC-22	1916	42960054364001002270212	160623						
		LITH									
000	087N 006AL228										
100	001	NANAIMOBCRANBERYC-23	1916	43079054363001001380215	160902						
		LITH									
000	087N 006AL229										
100	001	NANAIMOBCRANBERYC-24	1916	43175054376251001200191	161101						
		LITH									
000	087N 006AL230										
100	000	NANAIMOBCRANBERYC-25	1917	43135054382401001220168	170110						
		LITH									
000	087N 006AL231										
100	000	NANAIMOBCRANBERYC-26	1917	43268054371801001180125	170405						
		LITH									
000	087N 006AL232										
100	000	NANAIMOBDUGLAS C-27	1917	42737554384001002700231	170607						
		LITH									
000	087N 006AL233										
100	000	NANAIMOBDUGLAS C-28	1917	42764554383501002750128	170514						
		LITH									
000	087N 006AL234										
100	000	NANAIMOBDUGLAS C-29	1917	42785054383751002630019	170615						
		LITH									
000	087N 006AL235										
100	000	NANAIMOBWELINGTNC-30	1917	42521054508001000900142	170730						
		LITH									
000	087N 006AL236										
100	002	NANAIMOBCRANBERYC-31	1917	43518054381501000520068	170812						
		LITH									
000	087N 006AL237										
100	002	NANAIMOBCRANBERYC-32	1917	43565054379551000470094	170909						
		LITH									
000	087N 006AL238										
100	001	NANAIMOBCRANBERYC-33	1917	43594554387551000180124	171016						
		LITH									
000	087N 006AL239										
100	002	NANAIMOBCRANBERYC-34	1917	43559054383501000460111	171126						
		LITH									
000	087N 006AL240										
100	000	NANAIMOBCRANBERYC-35	1918	43556054381501000460163	180307						
		LITH									

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VERSION 2.0

COAL RESOURCES SECTION

NANAIMO BASIN BOREHOLES...DEC. 1987

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000 087N 006AL241 100 001	NANAIMOBCRANBERYC-36 LITH	1918	43525054371151000300195	180604
000 087N 006AL242 100 001	NANAIMOBCRANBERYC-37 LITH	1918	43522054376251000500077	180629
000 087N 006AL243 100 001	NANAIMOBCRANBERYC-38 LITH	1918	43524554377601000520070	180725
000 087N 006AL244 100 002	NANAIMOBCRANBERYC-39 LITH	1918	43511054374001000510122	180827
000 087N 006AL245 100 001	NANAIMOBCRANBERYC-40 LITH	1918	43494554379001000420109	181027
000 087N 006AL246 100 001	NANAIMOBCRANBERYC-41 LITH	1919	43570054371001000130276	190128
000 087N 006AL247 100 000	NANAIMOBCRANBERYC-42 LITH	1919	43574054377501000380034	190219
000 087N 006AL248 100 005	NANAIMOBBRIGHT C-43 LITH	1921	43608054324201000320456	210129
000 087N 006AL249 100 007	NANAIMOBBRIGHT C-44 LITH	1921	43564054322451000410425	210709
000 087N 006AL250 100 001	NANAIMOBBRIGHT C-45 LITH	1922	43534554320151000450460	220511
000 087N 006AL251 100 001	NANAIMOBCRANBERYC-46 LITH	1922	43495054349501000750342	220408
000 087N 006AL252 100 000	NANAIMOBCRANBERYC-47 LITH	1922	43490054353201000400331	220824
000 087N 006AL253 100 004	NANAIMOBBRIGHT C-48 LITH	1922	43650054327001000270368	221114
000 087N 006AL254 100 004	NANAIMOBBRIGHT C-49 LITH	1922	43664554330801000250358	230405
000 087N 006AL255 100 002	NANAIMOBDUGLAS C-50 LITH	1923	42886054390501002210055	230522
000 087N 006AL256 100 000	NANAIMOBDUGLAS C-51 LITH	1923	42870054392901002240108	230627
000 087N 006AL257 100 001	NANAIMOBCRANBERYC-52 LITH	1923	42901054386401002680114	230918
000 087N 006AL258	NANAIMOBCRANBERYC-53		4356505438100100042	

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VERSION 2.0

COAL RESOURCES SECTION

NANAIMO BASIN BOREHOLES...DEC. 1987

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000 100	087N 006AL259002 004002	NANAIMOBCRANBERYC-54 LITH	1924	42980054343601002110094	240216
000 100	087N 006AL260001 001	NANAIMOBCRANBERYC-55 LITH	1924	42995554341901002080227	240402
000 100	087N 006AL261 000	NANAIMOBBRIGHT C-56 LITH	1924	43095054339501002100123	240416
000 100	087N 006AL262 000	NANAIMOBBRIGHT C-57 LITH	1924	43010054339251002100026	240419
000 100	087N 006AL263 001	NANAIMOBCRANBERYC-58 LITH	1927	43030054342501002400091	270527
000 100	087N 006AL264 000	NANAIMOBCRANBERYC-59 LITH	1927	43009054344001002400087	270618
000 100	087N 006AL265 000	NANAIMOBCRANBERYC-60 LITH		43120054353501001200226	
000 100	087N 006AL266 001	NANAIMOBCRANBERYC-61 LITH		10 0119	
000 100	087N 006AL267001 005	NANAIMOBMOUNTAINC-61A LITH	1933	42640054495601001000087	330906
000 100	087N 006AL268 001	NANAIMOBCRANBERYC-62 LITH		43550054396201000040191	
000 100	087N 006AL269 000	NANAIMOBBRIGHT C-63 LITH	1934	43260054324601000970246	34
000 100	087N 006AL270 000	NANAIMOBMOUNTAINC-64 LITH	1934	42685054485301000650077	340406
000 100	087N 006AL271001 001	NANAIMOBMOUNTAINC-65 LITH	1935	42707554497801001180142	35
000 100	087N 006AL272001 006	NANAIMOBMOUNTAINC-66 LITH	1935	42679054495751001070078	351001
000 100	087N 006AL273 001	NANAIMOBWELINGTNC-67 LITH	1939	42842054502501000800152	391027
000	087N 006AL274	NANAIMOBMOUNTAINC-68		4239305449800100065	
000	087N 006AL275	NANAIMOBMOUNTAINC-69		4241005449890100065	
000 100	087N 006AL276 000	NANAIMOBMOUNTAINC-70 LITH	1940	42412054497301000720030	40

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VERSION 2.0

COAL RESOURCES SECTION

NANAIMO BASIN BOREHOLES...DEC. 1987

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000 087N 006AL277 100 001	NANAIMOBMOUNTAINC-71 LITH	1940	42425054496801000720032	40
000 087N 006AL278 100 000	NANAIMOBMOUNTAINC-72 LITH	1940	42440054498601000720023	40
000 087N 006AL279 100 000	NANAIMOBMOUNTAINC-73 LITH	1940	42457054497501000710018	40
000 087N 006AL280 100 001	NANAIMOBMOUNTAINC-74 LITH	1940	42443054496001000710044	40
000 087N 006AL281 100 000	NANAIMOBMOUNTAINC-75 LITH	1940	42450054493001000710013	40
000 087N 006AL282	NANAIMOBCRANBERYC-76		4351005437010100040	
000 087N 006AL283001 100 005001	NANAIMOBCRANBERYC-77 LITH	1943	42957054351001001350060	4309
000 087N 006AL284001 100 003001	NANAIMOBCRANBERYC-78 LITH	1943	42993054350151001270076	4309
000 087N 006AL285001 100 003001	NANAIMOBCRANBERYC-79 LITH	1943	42968054355701001540060	430830
000 087N 006AL288	NANAIMOBCRANBERYC-82		4347605434600100070	
000 087N 006AL289	NANAIMOBCRANBERYC-83		4352505434110100042	
000 087N 006AL290	NANAIMOBCRANBERYC-84		4351605434350100062	
000 087N 006AL291	NANAIMOBCRANBERYC-85		4333255435600100082	
000 087N 006AL292	NANAIMOBCRANBERYC-86		4328905435750100061	
000 087N 006AL293	NANAIMOBCRANBERYC-87		4330905436075100080	
000 087N 006AL294 100 001	NANAIMOBMOUNTAINC-88 LITH	1950	42420054498401000740054	500603
000 087N 006AL295 100 001	NANAIMOBMOUNTAINC-89 LITH	1950	42426054499501000740021	500609
000 087N 006AL296 100 001	NANAIMOBMOUNTAINC-90 LITH	1950	42430054498001000730021	500616
000 087N 006AL297 100 001	NANAIMOBMOUNTAINC-91 LITH	1950	42447554497901000730027	500626
000 087N 006AL298 100 001	NANAIMOBMOUNTAINC-92 LITH	1950	42439054497001000750007	500630

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VERSION 2.0

COAL RESOURCES SECTION

NANAIMO BASIN BOREHOLES...DEC. 1987

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000	087N	006AL299	NANAIMOBMOUNTAINC-93	1950	42415054496251003950034	
100		001	LITH			
000	087N	006AL300	NANAIMOBMOUNTAINC-94	1950	42405054495251000790032	500728
100		000	LITH			
000	087N	006AL301	NANAIMOBCRANBERYC-95		4304755439445100150	
100		000				
000	087N	006AL302	NANAIMOBDUGLAS C-96		4289955442010100200	
100		000				
000	087N	006AL401	NANAIMOBNANAIMO Y-1		4367605440150100017	
100		009	LITH			
000	087N	006AL402	NANAIMOBNANAIMO Y-2		4364505440900100019	
100		006	LITH			
000	087N	006AL403	NANAIMOBCEDAR Y-3		4380555440125100018	
100		008	LITH			
000	087N	006AL410	NANAIMOBCRANBERYE&N-1	1898	4359305434525100022	980118
100		002	LITH			
000	087N	006AL411	NANAIMOBCRANBERYE&N-2	1895	4355755438900100042	950531
100		004	LITH			
000	087N	006AL420	NANAIMOBCEDAR P-1	1908	43713054388801000100423	0811
100		003	LITH			
000	087N	006AL421	NANAIMOBCRANBERYP-1A		43660054383001000090248	
100		010	LITH			
000	087N	006AL422	NANAIMOBCRANBERYP-2		4365255437980100010	
000	087N	006AL423	NANAIMOBCRANBERYP-2A		43684054388501000100329	
100		004	LITH			
000	087N	006AL425	NANAIMOBCRANBERYP-3A	1911	43451054394951000620085	11
100		004	LITH			
000	087N	006AL427	NANAIMOBCRANBERYP-5		4369105439200100010	
000	087N	006AL428	NANAIMOBCRANBERYP-6,7,8		4365505438125100010	
000	087N	006AL429	NANAIMOBCRANBERYP-7A		4360755438010100030	
000	087N	006AL430	NANAIMOBCRANBERYP-8A		4342155439525100063	
000	087N	006AL434	NANAIMOBCRANBERYP-12A		4344205439400100065	
000	087N	006AL435	NANAIMOBCRANBERYP-13AU		4343505439500100064	

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VERSION 2.0

COAL RESOURCES SECTION

NANAIMO BASIN BOREHOLES...DEC. 1987

				.....1.....+.....2.....+.....3.....+.....4.....+.....5.....+.....6.....+.....7.....+.....8.....+.....9.....+.....10	
000	087N 006AL436 100 006	NANAIMOBCEDAR LITH	P-14A	1910	43715054371001000100301 102706
000	087N 006AL437	NANAIMOBCRANBERYP-15A			4341005439390100050
000	087N 006AL438	NANAIMOBCRANBERYP-16A			4340605439500100050
000	087N 006AL439 100 002	NANAIMOBCRANBERYP-17A LITH			43390054391251000300320
000	087N 006AL449 100 005	NANAIMOBCRANBERYP-27A LITH		1911	100036 111231
000	087N 006AL450 100 004	NANAIMOBCRANBERYP-28A LITH		1912	43606054384101000310187 120129
000	087N 006AL451 100 007	NANAIMOB LITH	P-29A		10 0208
000	087N 006AL452 100 003	NANAIMOB LITH	P-30A		10 0202
000	087N 006AL455	NANAIMOBCRANBERYP-"B"			4325005438975100065
000	087N 006AL460 100 001	NANAIMOBWELINGTNL-1 LITH		1912	42269054558501000000220 120206
000	087N 006AL461 100 006	NANAIMOBWELINGTNL-2 LITH		1912	42434554554601000000134 120406
000	087N 006AL462 100 006	NANAIMOBWELINGTNL-3 LITH		1912	42498054553851000000178 120523
000	087N 006AL470 100 004	NANAIMOBCRANBERYE-1 LITH		1918	43441054388501000500027
000	087N 006AL471 100 001	NANAIMOBCRANBERYE-2 LITH		1918	43446054388001000500026
000	087N 006AL472 100 004	NANAIMOBCRANBERYE-3 LITH		1918	43446554387501000500028
000	087N 006AL473	NANAIMOBCRANBERYE-4			4345005438850100065
000	087N 006AL474	NANAIMOBCRANBERYE-5			4345605438780100065
000	087N 006AL475	NANAIMOBCRANBERYE-6			4343505438750100038
000	087N 006AL480 100 002	NANAIMOBNANAIMO LITH	WIN-1	1943	43115054478701000080272 431214
				.....+.....1.....+.....2.....+.....3.....+.....4.....+.....5.....+.....6.....+.....7.....+.....8.....+.....9.....+.....10	

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VERSION 2.0

COAL RESOURCES SECTION

NANAIMO BASIN BOREHOLES...DEC. 1987

		.....1.....+.....2.....+.....3.....+.....4.....+.....5.....+.....6.....+.....7.....+.....8.....+.....9.....+.....10			
000	087N 006AL485 100 001	NANAIMO BMOUNTAIN SW-1 LITH	1879	42484554496901000650055	790405
000	087N 006AL486 100 000	NANAIMO BMOUNTAIN SW-2 LITH	1879	1000740071	790523
000	087N 006AL487 100 003	NANAIMO BMOUNTAIN SW-3 LITH	1879	42520054494801000630112	791027
000	087N 006AL490 100 005	NANAIMO BMOUNTAIN DIVER LK LITH	1879	42655054500101001080175	790320
000	087N 006AL495 100 005	NANAIMO BWELINGT NNO 1 SH LITH	1884	42840054505001000900098	840215
000	087N 006AL496 100 004	NANAIMO BMOUNTAIN NNO 5 SH LITH	1884	10 0077	840820
000	087N 006AL497 100 003	NANAIMO B NO 6 SH LITH	1885	10 0113	850519
000	087N 006AL498 100 003	NANAIMO BWELINGT NDB-1 LITH	1893	DIAM42789054503201001100193	9309
000	087N 006AL500 100 001	NANAIMO BNANAIMO W1-1U LITH	1894	433710544657510 0011	940226
000	087N 006AL501 100 002	NANAIMO BNANAIMO W1-2U LITH	1894	433890544647510 0018	940405
000	087N 006AL502 100 002	NANAIMO BNANAIMO W1-3U LITH	1894	433220544675010 0044	940726
000	087N 006AL503 100 001	NANAIMO BNANAIMO W1-4U LITH	1894	433110544665010 0033	941006
000	087N 006AL504 100 001	NANAIMO BNANAIMO W1-5U LITH	1894	10 0019	941127
000	087N 006AL505 100 001	NANAIMO BNANAIMO W1-6U LITH	1895	433200544499010 0029	950207
000	087N 006AL506 100 001	NANAIMO BNANAIMO W1-7U LITH	1895	433460544795010 0012	950308
000	087N 006AL507 100 002	NANAIMO BNANAIMO W1-8U LITH	1895	10 0023	950505
000	087N 006AL508 100 002	NANAIMO BNANAIMO W1-9U LITH	1895	434260544715010 0024	950620

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VERSION 2.0

COAL RESOURCES SECTION

NANAIMO BASIN BOREHOLES...DEC. 1987

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000	087N	006AL509	NANAIMOBNANAIMO W1-10U	1895	434450544716010	0020	950808
100		002	LITH				
000	087N	006AL510	NANAIMOBNANAIMO W1-11U	1895	433900544472010	0033	951005
100		000	LITH				
000	087N	006AL511	NANAIMOBNANAIMO W1-12U			10 0023	
100		002	LITH				
000	087N	006AL512	NANAIMOBNANAIMO W1-13U	1896	333170544731010	0023	960129
100		002	LITH				
000	087N	006AL513	NANAIMOBNANAIMO W1-14U	1896		10 0027	960630
100		002	LITH				
000	087N	006AL514	NANAIMOBNANAIMO W1-15U	1896		10 0013	960711
100		002	LITH				
000	087N	006AL515	NANAIMOBNANAIMO W1-16U	1896	432720544839010	0024	960825
100		002	LITH				
000	087N	006AL516	NANAIMOBNANAIMO W1-17U	1899		10 0021	991209
100		002	LITH				
000	087N	006AL517	NANAIMOBNANAIMO W1-18U	1894		10 0046	9402
100		003	LITH				
000	087N	006AL520	NANAIMOBNANAIMO W5-1U	1899	434115544133510	0009	990811
100		001	LITH				
000	087N	006AL521	NANAIMOBNANAIMO W5-2U	1899	434130544138010	0039	990901
100		001	LITH				
000	087N	006AL522	NANAIMOBNANAIMO W5-3U	1899	434180544151010	0047	990928
100		001	LITH				
000	087N	006AL523	NANAIMOBNANAIMO W5-4U	1899	434215544160010	0038	991028
100		002	LITH				

.....+.....1.....+.....2.....+.....3.....+.....4.....+.....5.....+.....6.....+.....7.....+.....8.....+.....9.....+.....10

VERSION 2.0

COAL RESOURCES SECTION

NANAIMO BASIN BOREHOLES...DEC. 1987

NUMBER OF RECORDS 297

B  
C  
  
S  
Y  
S  
T  
E  
M  
S

1131

00720 (43)

Draft  
C-91

C-91

Drilled for: Canadian Collieries (Dunsmuir) Limited  
Commenced: June 19, 1950                      Surface elevation: 238.32 feet  
Completed: June 26, 1950                      Total depth:                      88 feet  
Location: Approx. 765 feet S, 344 feet E of NW corner Sec 19 Rge 4 MLD

Lithology:    Depth (ft.):

DRIFT:

Clay soil	8
Sand and gravel	11
Clay	24
Sand and gravel with clay	40
Sand and gravel	50
Packed sand with clay	60
Packed sand and gravel	65.5

EXTENSION FORMATION:

Shale, dark	66
Shale, brown	68.17
Shale	68.83
Shale, brown	70.5
Shale, brown, soft	72.5
COAL, good	75.83
Shale, brown	76
COAL, good	77.54
Sandstone, dark, with coal marks	77.58
COAL, good	78.25
Sandstone, a few coal marks	78.75
COAL, good	79.83
COAL, sandy	79.92

9.67

EAST WELLINGTON FORMATION:

Sandstone, heavy coal marks	80
Sandstone	88



00720

Draft  
C-92

C-92

Drilled for: Canadian Collieries (Dunsmuir) Limited  
Commenced: June 27, 1950      Surface elevation: 245.18 feet  
Completed: June 30, 1950      Total depth: 23.5 feet  
Location: Approx. 260 feet S, 93 feet W of NE corner Sec 19 Rge 3 MLD

Lithology:      Depth (ft.):

DRIFT:

Overburden      13

EXTENSION FORMATION:

Shale      14.25  
COAL      14.58  
Shale and coal      14.83  
COAL      15.29  
Sandstone      15.42  
COAL, good      16  
COAL, sandy      16.08  
Sandstone, scant coal  
marks      16.75  
COAL      17.5

377

EAST WELLINGTON FORMATION:

Sandstone      23.5

# 00720

C-93

Draft  
C-93

Drilled for: Canadian Collieries (Dunsmuir) Limited  
Commenced: July 3, 1950                      Surface elevation: 245.73 feet  
Completed: July 13, 1950                    Total depth:                      113 feet  
Location: Approx. 340 feet S, 960 feet W of NE corner Sec 19 Rge 3 MLD

Lithology:    Depth (ft.):

DRIFT:

Clay soil	5
Clay	10
Gravel with chips of shale	21
Sand with a little clay	23
Sand with clay	65
Sand	88

EXTENSION FORMATION:

Shale, broken (slips)	100
Sandy shale, broken (slips)	102
Sandstone, fine, with coal marks	103.5
Shale, brown	103.67
Sandstone, dark	104.33
COAL, at least 0.17 ft. sandy coal near bottom	105.42

EAST WELLINGTON FORMATION:

Sandstone, dark, heavy coal marks	105.92
Sandstone, dark	106.92
Sandstone	113

00720

Draft C-94

C-94

Drilled for: Canadian Collieries (Dunsmuir) Limited  
Commenced: July 17, 1950      Surface elevation: 259.95 feet  
Completed: July 28, 1950      Total depth: 106 feet  
Location: Somewhere southwest of C-93, in Sec 19 Rge 3 MLD

Lithology:      Depth (ft.):

DRIFT:

Clay	18
Clay with gravel	20
Clay with fine sand	40
Fine sand with gravel	44
Sharp gravel with boulders	56
Gravel	60
Fine gravel and sand	65

HASLAM FORMATION:

Sandy shale	69
Sandy shale, broken (slicked slips)	81
Fine sandstone and sandy shale interbed- ded, numerous small pelecypods at 91 ft. and shell fragments thereafter.	106

This hole = Data from Curcio -  
looks okay & checks out  
against Buckham reports.



00720

CANADIAN COLLIERIES (DUNSMUIR) LTD.

BOREHOLE NO. 92.

Sect. 19. Rge. 3 Mtn. Dist.

SCALE: 1 IN. = 20 FEET

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
		0' 0"	Collar of hole	2245.18
	2' 0"	2' 0"	Clay	Datum
	6' 0"	8' 0"	Gravel and boulders	2000 below M.S.L.
	5' 0"	13' 0"	Clay	
	1' 3"	14' 3"	Shale	2232.18
	0' 4"	14' 7"	COAL	2230.93
	0' 3"	14' 10"	Shale & coal } 85% core rec. by length	2230.60
	0' 6 1/2"	15' 4 1/2"	COAL (80% core rec. by length)	2230.35
	0' 1/2"	15' 5"	Sandstone <sup>parting</sup>	2229.81
	0' 7"	16' 0"	COAL, good (100% core rec. by length)	2229.77
	0' 1"	16' 1"	COAL, sandy (100% core rec. by length)	2229.18
	0' 8"	16' 9"	Sandstone, scant coal marks	2229.10
	0' 9"	17' 6"	COAL, (22% core rec. by length)	2228.43
	6' 0"	23' 6"	Sandstone	2227.68
				2221.68

Begun: June 27, 1950.

Finished: June 30, 1950.

Driller: F.H. WALL.

00720 (4A)

Draft  
C-88

C-88

Drilled for: Canadian Collieries (Dunsmuir) Limited  
Commenced: May 23, 1950 Surface elevation: 242.77 feet  
Completed: June 3, 1950 Total depth: 176 feet  
Location: Approx. 581 feet S, 388 feet W of NE corner Sec 19 Rge 3 MLD

Lithology: Depth (ft.):

DRIFT:

Clay soil	6
Gravel	8
Gravel and sand	11
Sand and clay	25
Clay	30
Clay and sand	37
Shale gravel with coal	40
Sand and gravel with clay	48
Clay	54
Clay with sand and gravel	63
Sand and gravel with clay	66.5

EXTENSION FORMATION:

Sandy shale, grey, broken (slips)	87
Shale, grey, few sandy shale bands	91
Sandy shale, few sandy streaks, broken	102
Shale, brown, soft, coal marks	104
COAL, good	105.83
COAL, slightly sandy	105.92
Sandstone, dark, coal marks	106.67
COAL, good	107.83

41.33

12.6

383

EAST WELLINGTON FORMATION:

Sandstone, brown, few coal marks	108.67
Sandstone, light grey, fine to coarse grain	132.5
Conglomerate, fine	136.67
Sandstone, grey	143
Sandstone, dirty, with mollusc trails. Shell fragments at 157 ft.	164.5
Sandstone with pebbles	165
Sandstone, dirty	166
Sandstone and sandy shale, dark grey, marine fossils from 170.67 to 171.58 ft.	171.58
Sandstone, dirty	176

00720

Draft C-89

C-89

Drilled for: Canadian Collieries (Dunsmuir) Limited  
Commenced: June 7, 1950                      Surface elevation: 242.72 feet  
Completed: June 9, 1950                      Total depth:                      68.83 feet  
Location: Approx. 472 feet S, 288 feet W of NE corner Sec 19 Rge 3 MLD

Lithology:    Depth (ft.):

DRIFT:

Clay soil	6
Sandy clay with gravel	15
Clay	20
Sand and clay with gravel	26
Sand and clay	38
Gravel	42
Shale chips with gravel and coal	46
Brown shale chips and piece of coal	50

EXTENSION FORMATION:

Shale, brown, with coal marks	52
COAL, good	58.08
Shale, soft, brown (mining dirt)	59.42
COAL, good	61.17
Sandstone, dark, with coal marks	61.33
COAL, good	61.73
COAL, sandy	61.77
COAL, good	62.83

10.83

EAST WELLINGTON FORMATION:

Sandstone, brown, with coal marks	63.83
Sandstone, grey	68.83



00720

Draft C-90

C-90

Drilled for: Canadian Collieries (Dunsmuir) Limited  
Commenced: June 13, 1950 Surface elevation: 239.46 feet  
Completed: June 16, 1950 Total depth: 69.92 feet  
Location: Approx. 650 feet S, 13 feet E of NW corner Sec 19 Rge 4 MLD

Lithology: Depth (ft.):

DRIFT:

Clay soil	6
Sand and clay	30
Sand and gravel with clay	45
Gravel and sand	54.83

EXTENSION FORMATION:

COAL, good (cuttings only - a few pebbles, probably in from bottom of casing	58.83
Shale, soft, brown (mining dirt)	60.08
COAL, good	62.02
Sandstone with coal marks	62.08
COAL, good	62.75
Sandstone, coaly	62.92
COAL, good	64.23
COAL, sandy	64.25

Handwritten annotations: A large right-facing curly bracket groups the last four rows of the Extension Formation table. Inside this bracket, there are two smaller right-facing curly brackets. The first smaller bracket groups the rows starting from 'COAL, good' (62.02) and ending at 'COAL, sandy' (64.25), with the number '2.17' written next to it. The second smaller bracket groups the rows starting from 'COAL, good' (62.75) and ending at 'COAL, sandy' (64.25), with the number '4.17' written next to it. To the right of the large bracket, the number '9.42' is written.

EAST WELLINGTON FORMATION:

Sandstone, very dark, with coal marks	64.92
Sandstone, grey, fine medium grain	69.92

NANAIMO BASIN - REPORT # 720

CONTENTS OF FOLDER

1. Introduction
2. Index to Report

00720(45)

NANAIMO BASIN - REPORT #720

Introduction:

The information contained in this report on the Nanaimo Basin is a compilation of data from various sources.

The Ministry (Coal Section) received information from old company reports (including driller's notes, borehole logs, coal quality etc.); C. Bickford supplied some interpreted data from old driller's notes.

Because of the renewed interest in Vancouver Island Coals, with respect to utilizations, such as coal seam gas, coal-water fuel and traditional thermal applications, it was imperative to organize the data for logical and easy access by industry, as well as government personnel.

Because of the lack of maps in this report (in regards to borehole locations), a computerized print-out of all the boreholes contained in this report is included. The location are as accurate as presently known. This information will be edited if new data is obtained. (Some information is still missing but we continue to search for any additional data.)

The folders containing the information are numbered 1 to 38. A detailed index to report #720 follows this introduction.

We would appreciate it if people accessing this report could please place all the data back in the correct folder because of the large volume of information that has been sorted. Thank you for your cooperation.

\*\*Information of the same type for the "Comox Coal Basin" resides in Report #694.\*\*



INDEX TO REPORT #720

	<u>FOLDER NUMBER</u>
<u>A. Introduction + Borehole Listing.....</u>	1
<u>B. Negatives of Mine Plans in the Nanaimo Basin.</u>	2
<u>C. Borehole Information</u>	
W- 1 to W-10.....	3
W-11 to W-20.....	4
W-21 to W-30.....	5
W-31 to W-40.....	6
W-41 to W-50.....	7
W-51 to W-60.....	8
W-61 to W-70.....	9
W-71 to W-80.....	10
W-81 to W-90.....	11
W-91 to W-100.....	12
W-101 to W-110.....	13
W-111 to W-120.....	14
W-121 to W-130.....	15
W-131 to W-136.....	
C- 1 to C-10.....	17
C-11 to C-20.....	18
C-21 to C-30.....	19
C-31 to C-40.....	20
C-41 to C-50.....	21
C-51 to C-60.....	22
C-61 to C-69.....	23
C-70 to C-80.....	24
C-81 to C-90.....	25
C-91 to C-96.....	26
Y-1 to Y-3.....	27
E & N-1,2.....	28
P-1 to P-30A, P"-B".....	29
E-1,2,3.....	30
WIN-1.....	31
SW-1,2, & 3.....	32
DIVER LAKE.....	33
L 1,2,3.....	34
SHAFT HOLES (1,5,6, DB-1).....	35
W1-1U to W1-18U.....	36
W5-1U to W5-4U.....	37
<u>D. Analysis Data - C - Series Holes.....</u>	38