007200 P-1A P.C.C.M. SOUTH WELLINGTON BORE HOLE NO. 1A 700' N.E. of main shaft in S. 11, R. 8, Cranberry Dist. SCALE : / IN. = 20 FEET. SECTION THICKNESS DEPTH MATERIAL ELEVATION o' o" - Collar of hole -2029.5 5 Dotum -Soil 2000 below M.S.L. 2024.5 21 Sandstone 26 2003.0 26 10 COAL 2002.7 OShale 28 2001.5 37 40 6 1992.0 1989.0 Sandstone 43 1986.25 Shale 1986.0 COAL and shale 1985.5 34 0 Sandstone 1951.5 COAL 78 1950.9 14 Sandstone 1936.8 92 11 1936.6 12 Sandstone 105 1924.3 Shale 105 1924.0 Sandstone 111 1918.3 112 Shale 1917.3 Sandstone 115 1913.8 COAL and shale 115 11 1913.6 Sandstone 118 1911.1 Shale 118 1910.8 Sandstone 129 1900.3 COAL and shale 129 1899.8 Sandstone 135 1894.1 Shale 135 8 1893.8 Sandstone 138 1891.3 138 1890.8 22 Sandstone 0 160 8 1868.8 161 1867.8 8 Sandstone 170 1858.8 Shale COAL and shale 173 173 1856.5 1855.8 10 8 Sandstone 184 1845.2 4 Shale 184 8 1844.8 Sandstone 191 11 1837.6 Shale 192 1836.8 33 0 Sandstone 1803.8 1801.8 1797.5 Shale 227 O Sandstone 232 Shale 232 1796.8 COAL and shale. 1796.3 233 Shale 234 1794.8 10 Sandstone 237 1792.0 COAL 237 Sandstone 1791.8 0 244 1784.8 Shale 245 1783.8 28 0 Sandstone 273 8 1755.8 Shale 274. 8 1754.8 Sandstone 275 1753.8 10 Shale 285 8 1743.8 31 6 Sandstone 317 2 317 11 1712.3 Shale 1711.6 8 Sandstone 325 11 1703.6 330 11 Shale w. coal markings 5 0 1698.6 24 0 Sandstone 354 11 1674.6 11 0 Shale 365 11 1663.6 61 0 Sandstone with coal markings 426 11 1602.6 Conglomerate 431 11 1597.6 16 0 Sandstone 447 11 448 11 1581.6 Conglomerate 1580.6 Sandstone 450 11 1578.6 Shale 455 11 1573.6 Sandstone 463 11 1565.6 Conglomerate 464 11 1564.6 27 0 Sandstone with coal markings 491 11 Shale 1537.6 0 493 11 1535.6 42 0 Sandstone 535 11 537 11 1493.6 Shale 1491.6 0 Sandstone 544 11 1484.6 Shale 548 11 1480.6 0 Sandstone 550 11 1478.6 14 0 Shale 564 11 1464.6 8 Sandstone 572 11 1456.6 Shale 574 11 1454.6 Sandstone 580 11 1448.6 Shale 581 11 1447.6 9 0 Sandstone 590 00 1438.6 40 0 Shale, hard 630 11 1398.6 Shale, brown 631 7 1397.9 O Shale, blue 634 1395.5 16 0 Shale, soft, brown 650 1379.5 Shale, light brown 658 1371.5 Shale, dark brown 658 1371.0 = -629.0 10 3 COAL 668 9 1360.75 = -639.25 23 9 Shale, hard 692 6 1337.0 692 1336.8 Shale, dark 697 6 Sandstone, hard 698 1331.3 STATE OF THE PARTY Shale 700 0 19 6 Shale, hard 719. 6 1310.0 Shale, soft 719 11 1309.6 12 Shale, dark 732 1297.0 Shale, sandy 735 6 1294.0 9 0 Shale, dark 744 1285.0 1 0 Sandstone, fine, hard 745 1284.0 10 6 Shale, dark 756 0 Sandstone, hard 1273.5 759 1270.0 Conglomerate 761 0 1268.5 Shale, dark 769 0 1260.5 Sandstone 770 0 Shale, dark Sandstone, coarse Shale, dark 1259.5 773 1256.0 775 6 1254.0 787 1242.0 Sandstone 790 11 1238.6 791 Conglomerate 1238.0 792 Shale

793

796

799

811

812

814

0

0

0

Sandstone

Sandstone,

Sandstone, dark

Light brown spar

BOTTOM OF HOLE

Shale

Shale

1236.5

1233.5

1230.5

1218.0

1217.5

1215.5

P.C.C.M. SOUTH WELLINGTON

BORE HOLE NO. 1A
700' N.E. of main shaft in S. 11, R. 8, Cranberry Dist.

700' N.E	E. of main s		. 11, R. 8, Cran	berry Dist.	
SECTION	THICKNESS	DEPTH		IF.	
	1 11	1 0	MATERIAL Of hole	ELEVATION 1 2029.5	
TO BE	5 0	5 0 501		2000 belo	wM.S.L.
	21 6	26 6 San	istone		
	1 2	26 10 GDA1 28 0 Sha	le	2005.0 2002.7 2001.5 1992.0	
	2 9	40 6 Sunc 45 5 Shall	letone le and shale	1989.0 1986.25 1986.0	
		44 0 GOAT	and shale	1985.5	
	34 0	Sa nd	stone		
	- 7	78 0 00AL		1951.5	
	14 1	Sand	stone	1950.9	
	12 5	22 11 COAL	atono	1936.8	
	- 4 10 5 8 10	05 2 5 6 Shall 11 2 Sand	e stone	1924.5 1924.0 1918.5	
	2 0 11 2 0 11	5 11 COAL	stone and shale stone	1918.5 1917.5 1915.8 1915.6 1911.1	
	10 6 12 - 6 12 5 9 13	8 8 Shall 9 2 Sand 0 A COAL	stone and shale	1910.8	
	5 9 13 2 6 13 2 6 13	5 5 Sana	stone	1899.8 1894.1 1893.8 1891.5	
	22 0		stone	1890.8	
	1 0 16 9 0 17 2 4 17	1 8 Shale	tone	1868.8	
	9 0 2 4 17 10 8	3 0 COAL	and shale	1858.8 1856.5 1859.8	r Fi
	7 3 18	4 4 00-10		1845.2	
	- 9 19			1857.6	
	33 0	Sanda	tone		
	2 0 22	8 Shale		1803.8	
	- 8 231	3ands	tana	1801.5 1797.5 1796.8 1796.5	
	7 0 25	6 COAL 8 Sands	cone	1794.6 1792.0 1791.8	
	1 0 245	8 Shale		1784.8	
	28 0	Sanda	tone		
	1 0 273 1 0 274 275	8 Sandat	tone	1755.6 1754.8 1755.8	Mil
A Table	10 0 285	Shale		1743.8	
	51 6	Sandat	one		
	- 9 317 8 0 325	Sandat	one	1712.5 1711.6 1703.6	
	5 0 330	01-1	w. coal marki	1698.6	
	24 0	Sundat	one		
	354 11 0			1674.6	
	365	Shale		1663.6	
	61 0		one with I markings		
	426	11		1602.6	
	5 0 431	Oonslon Sandsto		1597.6	
	1 0 447 2 0 448 450	11 Conglor	scrate	1581.6 1580.6	
	5 0 455	11 Shale		1578.6 1575.6 1565.6	
	464	Conglos	torate	1564.6	
	27 0		ne with arkings		
	2 0 491	11 Shale	71 71 71	1537.6 1535.6	
				13,5.0	
THE SHE	42 0	Sandsto	ne		
	2 0 555 1 7 0 537 1	Sandsto	ne	1495.6 1491.6	
	4 0 544 1 2 0 548 1 350 1	1 Shale		1484.6 1480.6 1478.6	
	14 0 564 1	Shale		1464+6	
	8 0 572 1 2 0 574 1	Sandston Shale		1456.6 1454.6	
	6 0 1 0 580 1 9 0 581 1	Sandator		1448.6	
	590 0	0		1438.6	
	40 0	Shale, 1	erd		
		Shale, b	rown	1398.6	
	16 0		oft, brown	1395.5	
	8 0 658 C	Shale, 1	ight brown	1379.5	
1	658 6	OOAL	OZ ON D	1371.0 = -6	
2	25 9	Shale. h	ard.	1360.75 = -6	25.52
			-		
	- 2 692 6 4 10 692 8 - 8 697 6 1 10 698 2	Shale, to	HER	1537-0 1556.d 1552.0	
	700 0	THE RESERVE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TW		1531.5	
	719.6	Shale, s	oft	1310.0	
	12 7 3 6 732 6 735 6	Shale, a		1297.0	
	1 0 744 6	Shale, d		1285.0	
1	745 6	Shale, di	ark.	1284.0	5 1 1
	759 6 761 0 759 0 761 0 769 0	Sandstone Conglome: Shale, de Sandstone	rete	1270.0 1266.5 1260.5	
THE RESIDENCE OF THE PARTY OF T	775 6 775 6 787 6	Shale, da Sandstone Shalo, du	rk , conrec rk	1259.5 1256.0 1254.0 1242.0	
	790 11 791 6 792 6	Sandstone Conglomer Shale	nte	1230.6 1230.0 1237.0	
12	795 0 796 0 799 0	Sandatone Sandatone	, Fine	1256.5 1255.5 1250.5	
1	(3.1)	Sandatone Light bro Shale	TO BUST	1218.0	7

BOTTOM OF HOLE

1215.5

NANAIMO I	•		AL LA	ANDS		00120	3)
	RECOR.					(L	ソ
BOR	REHOLE	No.	-		.		
MATERIAL	SECTION TI	WICKNESS	DEPTH BELOW SURFACE	ELEV.	DATE		
Black soil		9'- 0"	9'-0"				
Grey clay Sandstone boulders		7'-0" 1'-0"	16'-0" 17'-0"				
Clay & hard boulders	0 0 0	15-0*	32'-0"				
Dark shale		10'-0"	42'-0°				
Fine grain sandstone		21'-0"		·			
Dark sandy shale		/5'-0"	63'-0"				
Angelon () and the second of		/2:0°	78-0				
Fine grain sandstone Sandy shale		72-0*	90'-0"				
J			97'-0"				
Fine grain sandstone		45'-0"					
					•	·	
			/42'-0*				
.		38 ⁻ 0"					
Fine sand streaked with shale		38-0		i			
į.			180'-0"				
Hard fine sandstone		44'-8"					
			i				
COAL		0'- 4"	224'- 8" 225'- 0*		;		
Fine sandstone streaked with shale Dark shale,		/7'-0"	242'- 0". 243'- 8' 244'- 0.	. And and a second	and the second second		2019
Dark shale Dirty coal Sandstone Sandy shale		15:0"	246.0.				
			261:00				
Fine grain sandstone		29:0"		i			
• D=-tt-1		٠ ، ،	298'-0"				
Dark shale Sandy shale		9'- 0* 8'- 6"	z99'-0"				
Dirty coal Dark sandy shale		0': 6' 2': 0'	307.6° 308.0° 370°0°				
Fine sandstone		27'- 0"					
Sandy shala		/3:-0*	<i>337-0*</i>				
Sandy shale Dark shale Sandy shale Dirty coal		/: 0° 3': 6' 0': 6'	350'-0" 351'-0" 354'-6"				
Sandy shale		14:-0"					
Hard fine grain sandstone		11-0"	369'-0* 380'-0'				
Sandy shale		3'· 0'	383-0	•			
Hard fine grain sandstone							
COAL Sandy shale Hard fine grain sandstone		0'-3° 5'-0° 4'-0°	407'.9' 408'.0' 413'.0'				
Sandy shale Dark shale Soft coul Bark shale		9'.0'					
Bark shale Hard fine grain sandstone		16-0					
Sandy shale		/4'-0"	446'-0"	•			
Fine grain sandstone streaked with shale		14'-0'	460'-0"	•			
Dark shale		3:0°	45.4				
Fine grain sandstone Dirty coal Dark shale		5:6" 0-6* 10-0*	485:6				
			493'-0'		į		
Fine grain sandstone		30'-0"					
Dark shale Sandstone		3'· 0' 3'· 9' 0'-3'	526-0	•			
Hard coal Fine grain sandstone		2/20"			·		
Dork shale							
Sandstone Dark shale Sandstone		2:0° 3:0° /-0°	556'0' 557'0	De transcription of the second			New Cotton
Dark shale		4:0	. 576'-o*				
<i></i>		4. θ	\$80°-0				
Wand Co.							
Hard fine grain sandstane		//0'-0'					
·							
		-	690'- a	,,			
Sandstone full of fossils Dark shale full of fossi		9'-0'	699'- 0				
Sandstone full of coal markings		/3'-0	706-0	*			
Dark shale		4:0	7/9:0				
		·					
Sandstone		47'-0	•				
•			-				
Dark shale		11:0	770'-0'	•			·
Sandstone		9:0'	781-0				
Dark shale		/5:0	790 ' 0				
Sandstone		14:0	805-0	•			
Dark shale		/- 0*	020 5	•			
Sandstone		20'- 0'	840:0				
Sandy shale		9:0	840'-0 849'-0				
Dark shale		24'-0					
R		7:0	873-0	,			
Brown shale Slate rock Hard clean coal		ゲ·0 /: 0	0000				
Brown shale		<i>3</i> √: 6					
		=			1	1	

9/4'-0" 9/6'-0"

923'-6"

927:0"

93/-0*

940:0"

945'0"

2'0"

7-6*

3'6"

4'-0"

9'-0"

5-0

Slate rock

Sandy shale

Brown shale

Hard clean coal (Core saved 5-4) Fireclay Soft shale with streaks of Dirty Coal

Sandstone Dark Shale

Coal Sandy Shale

Soapstone

Dark Shale

Grey Shale

Dark Shale

Sandy Shale

Grey Shale

Sandstone Grey Shale

Soap Stone

Dark Shale

Soap Stone

Dark Shale Soap Stone

Dark Shale

Sandstone

Dark Shale

Sandstone

Grey Shale

5andstone

Sandy Shale

Dark Shale

Sandstone

Sandstone

Sandy Shale

Dark Shale

Sandstone Dark Shale Sandy Shale

Conglomerate Sandstone

Dark Shale

Grey Shale

Sandstone

Sandstone

Conglomerate

Dark Shale (Coal fossil)

Blue Shale

Jandy Shale

Blue Shale

Blue Shale

Dark Shale

Sandstone

Dark Shale

Sandy Shale

Dark Shale (Leaf fossils)

Sandstone (Coal markings)

Sandy Shale (Coal markings)

Sandy Shale (Fossils)

Sandy Shale (Fossils)

Sandstone (Coal markings)

Conglomerate

Conglomerate

Sandstone

Dark Shale

Sandstone

Dark Shale

Dark Shale Dark Shale

Sandy Shole

Sandstone 5

Dark Shale

Sandstone

Dark Shole

Sandy Shale

Conglomerate

Grey Shale

Conglomerate

5andstone

Dark Shale (Coal markings)

Sandstone

Conglomerate

Sandy Shale Grey Shale

Coal

23:0" 76:8"

4: 0" 2: 0"

36'0"

16:3"

1:9"

14:0"

5:0"

5.0"

2:0" 3:0"

17:0"

3:0"

7:0"

1:0"

5'0"

5:0"

10:0"

3:0"

12:0"

5:0"

3·0"

17:0"

1:0"

4: 0" 2: 0"

8:0"

7:0"

15:0"

3:0°

2:0" 3:0"

4:0"

2'0" 8:0"

2:0"

5:0"...

20:0"

2! o"

8:0"

4:0"

4:0"

7: 0"

8:0"

3º0"

9:0"

3'· 0"

31:0"

7:0"

8:0"

4:0"

8:0"

2! 0"

30:0"

3: 0" 2: 0"

5:0"

14:0"

10:0"

5:0"

22:0"

3:0"

4:0"

58:0"

7:0"

58:0"

6:0"

29:0"

705:0"

7/0' 0"

715:0" 717:0"

720' 0"

737:0"

740'-0"

747:0" 748:0" 750:0"

755:0"

760:0"

770'0"

773:0"

785:0"

790':0"

793'0"

810:0" 811:0"

815:0" 817:0"

825:0"

832'0"

847:0"

850'.0" 852'.0"

855[!]0"

859:0" 861:0"

869:0" 871:0"

876:0"

896:0" 898:0"

906:0"

910'0"

914:0° 916:0°

919:0" 921:0" 923:0" 926:0" 928:0" 929:0" 933:0"

936:0"

943:0"

951:01

954'0"

963:0" 966:0"

997-0"

1004:0"

1012:0

1016:0"

1024'-0" 1026:-0"

1056:0"

1059:0"

1066:0"

1080:0"

1090:0"

1095:0"

1117:0"

1120:0"

1124:0"

1182:0"

1189:0"

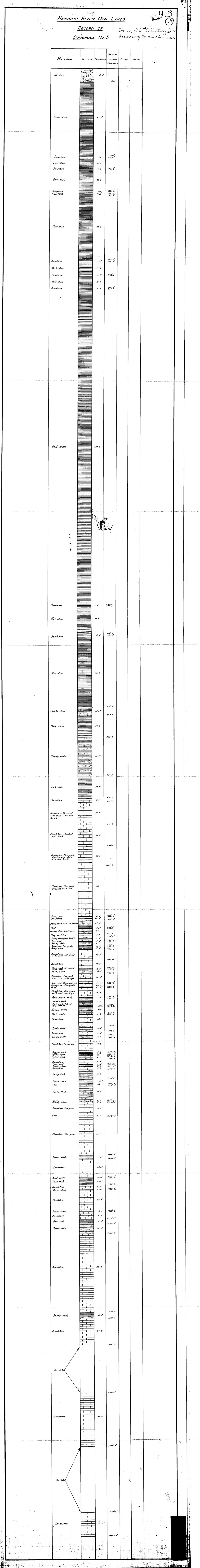
1247'0"

1253:0"

/282:0"

53/-0" 554'·0" 630; 8" 63/-0" 635:0" 637:0"

673:0" 689: 3" 69/: 0"



007	420	(4)	3/	/			•					
	C							OUVER COAL CO. THFIELD		V-31		
			,			itre of Sect.	BOR 18, R8,	RE HOLE 31 Mountain Distijust wes linch = 20 feet.	st of E.and M	v. ¬		
	,				SECTION	THICKNESS	OFFTH O'C	O" — Callar of hole —	2300 0 Datum - t2000'bel	_		
										ow ,		
· · · · · · · · · · · · · · · · · · ·	. ن چه ده د د د د سیسی مده یغ سی					155' 0'	• <u>1</u>	Cement, gravel, sand		,		
	÷											
		7				43' 0"	155' 0"	Conglomerate.	2145.0			
				,		40	198'0"		2102.0			
		:	-			2' 0" 8' 0" 3' 0"	213' 0" 215' 0" 223' 0"	Shale, coal mkgs. Sandstone. Shale.	2087.0 2085.0 2077.0			
		*				3' 0" 14' 0"	226' 0" 240' 0"	Shale, black, coal mkgs. Shale. Sandstone.	2060 0			
						24' 0"	251' 0"	Conglomerate.	2049.0			
		4				2' 0" 1' 0" 3' 0" 3' 0" 2' 0"	275' 0" 277' 0" 278' 0" 281' 0" 284' 0" 286' 0"	Sandy shale. Sandstone. Shale. Conglomerate. Sandstone.	2025.0 2023.0 2022.0 2019.0 2016.0 2014.0			
						24' 0" 4' 0" 1' 0" 1' 0"	310' 0" 314' 0"	Conglomerate. Shale, brown.	— 1990.0 — 1986.0			
						1' 0" 2' 0" 9' 4" 0' 2" 2' 6" 14' 4"	316' 0" 318' 0" 327' 4" 327' 6" 330' 0"	Sandy shale. Sandy shale, coal mkgs. Shale. COAL. Shale, brown, coal mkgs. Shale.	1972.7 1972.5 1970.0			
						0' 2" 5' 6" 1' 0" 3' 0" 1' 0"	354' 0"	COAL Shale, coal mkgs. Sandstone. Conglomerate. Sandstone.	1955.7 1955.5 1950.0 1949.0 1946.0 1946.0			.3.
·				ر دروسی بر من د ر پ	4	42' O"		Conglomerate.				
		*	-			4'8"	403' 7" 405' 5"	Shale, brown. Sandy shale. Shale, brown. COAL. Sandy shale.	1903.0 			**************************************
						8' 7" 4' 0"	414' 0" - 418' 0" -	Sandy shale. Sandstone.	1894.6 1886.0 1882.0			
						2' 8" 0' 4"	453' 0" - 455' 8" -	Shale, brown.	1847.0 1844.3 1844.0			
				•		14' 9" 0' 3" 5' 0" 4' 0"	470' 9" - 470' 9" - 471' 0" - 476' 0" - 480' 0" -	Shale, brown. COAL. Shale, brown, coal mkgs. Shale, brown. Soapstone.	1829.2 1828.9 1823.9 1819.9			
			`			14' 0"	494' 6" - 495' 0" -	Shale, coal streak at 483' COAL. Shale, brown. COAL.	1819.4 1805.4 1804.6 1804.7 1803.9			
						7' 0' 0' 6" 9' 6"	506' 0" - 507' 0" - 514' 0" - 514' 6" - 524' 0" - 527' 9"	Shale. Soapstone. Shale. Soapstone. Shale. Sandstone				***
						4' 3"	528' 0" - 532' 3" - 533' 0"	COAL. Shale. COAL. Shale.	1772.1 1771.8 1767.5 1766.7 1764.7			
		3				42' 0"	577' 0" -	Sandstone.	1722.7			
		3 .		-		24' o"		Shale, shell mkgs. at 595	5.'			
		4				9' 0"		Sandy shale.	1698.7 1689.7			4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
		k										***
							'					
··· - · · · · · · · · · · · · · · · · ·										e e e e e e e e e e e e e e e e e e e		e an <u>e</u> i
		•		•		232' 0 "		Shale.				
							•				-	
								· -				· :
												1
						15' 0"	852' 0"	Greenstone. Sandstone.	1457.7 1447.7			
:						21 04	967' O"	Greenstone.	-1432.7 -1429.7	ellerann, • · · · · ·		
						42' 0"	:	Sandstone.				; ;
·		•	1				912'0"		1307.7			· · · · · · · · · · · · · · · · · · ·
						119'0"		Conglomerate, fine.				
								•				ie .
·						-	- The state of the			·		
						15' 0"		Greenstone. Conglomerate.	1268.7 1263.7			
	garages e de fere			<u> </u>		e' o"	1051 C 1057' O"	Sandstone.	— 1248.7 — 1242.7			
						55' <i>0</i> "		Conglomerate.				
	· · · · · · · · · · · · · · · · · · ·					11' 0"	1112'0"	Sandstone ?	1187.7			
	• • • • • • • • • • • • • • • • • • •					3' 0"	1123' 0" 1126' 0" 1129' 0"	Conglomerate? Sandstone?	1176.7	,		
	, , , , , , , , , , , , , , , , , , ,							Drilled: Jan. 19-Apr. 14, 189 By:	2.			1
				1				`	,			

00720

NEW VANCOUVER COAL CO. NORTHFIELD

BORE HOLE 32

r			itrict, north of old Northf ich = 20 feet.		· 1	= = -
SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION		:
	3' 0" 7' 0"	7	Gravel.	2387.0 Datum -) P.M. Mar.	
	2' 0"	15, 0,	Gravel.	2377.0 2375.0		
	11, 0,	23' 0"	Sand, hard.	2364.0		
	14' 0"	37' 0"	Gravel.	2350.0		
	3' 0"	40' 0"		2347.0 2343.0		: :
	9' 0"	53' 0"	Sand.	2334.0	: •	
	9, 0,	62' 0"	Quicksand.	2325.0		
-			entre de la companya del companya de la companya del companya de la companya de l		المناسبين	^
·			·.	:		
	•					
-	121' 0'		Sand.			
		183' 0"		2204.0		
	7' 0'	190'0"	Gravel.	2197.0	!	
			·		•	-
	75' 0'		Conglomerate.			
	,					
	4' 0' 2' 0"	- 269° 0°	Conglomerate.	2122.0 2118.0 2116.0		
	2' 0" 1' 0" 6' 0"	273' 0" 274' 0"	Sandstone. Conglomerate.	2114.0		
	4' 0'	284' 0" 285' 0"	Conglomerate. Sandstone.	2107.0 2103.0 2102.0		
	2' 0"	288, 0,	Sandstone.	2101.0		
! 	22' 0"	310'0"	Shale.	2077.0		
	23' o"	•				:
·			Sandstone, fine.	:	- -	
		333' 0"		2054.0		
	28' 0"	·	Conglomerate,			
		361' 0"		2026.0		
	2' 0"	363' 0"	Sandstone.	2024.0		
	30' 0"		Conglomerate.			
				·· }		
	2' 0"	393' 0" 395' 0"	Sandstone,	1994.0 1992.0		
	25' 0"		Conglomerate.			
		420' 0"				
	9'0"	429'0"	Sandstone.	1967.0	,	
	2'0"	431' 0"	Conglomerate.	1956.0		<u> </u>
	#4' 0"		•		·	
	34'0"		Sandy shale, coal mkgs. at 465!			
	8' o*	465' 0"	Shale was 5	1922.0		
	4' 0"	473' 0" 477' 0"	Shale, very soft. Sandy shale.	1914.0 1910.0	·	
	10' 0"	487 0"	Shale.	1900 0		
						ļ
	28' 3"		Sandy shale.			
	0' 6"	515 3"	COAL.	1871.7		,
	18' 4"	515'8"	Sandy shale, with coal	1871.3		
	,,,,,	534' 0"	mkgs at 523,524,525.	1853.0		
,	13' 0"		Sandstone and sandy shak	1840.0		
	1' 9" 0' 7" 0' 4"	549'4"	Shale, brown. COAL. Shale light	1838.2 1837.6		
	0' 8"	549' 8" 550' 4" 556' 0"	Shale, light. COAL. Shale, light.	1837.3 1836.6 1831.9		
<u></u>	20' 0"	1	Shale.	1811-9		
	1' 0" 1' 0" 4' 0"	576' 0" -	Shale, black. COAL. Shale, blk., shale, coal streaks.	1810.9 1809.9		
	5' 7' 0' 5"	586' 7' - 587' 0" -	Sandy shale.	1800.4 1800.0		
	0'4" 3'2" 0'10"	587' 4" - 590' 6" -	Shale, brown. COAL, good, hard. Shale, brown.	1799.7 1796.5		
	0' 10"	591' 4" - 592' 2" -	Shale, brown. COAL, poor, soft. Sandy shale.	1795.7 1794.9 1791.9		
	0'3"	595' 2" 595' 5" 597' 0"	COAL, poor. Shale.	1791·6 1790·0		
	7' 0" 3' 0" 3' 0"	A	Sandstone, white. Shale and sandy shale. Sandstone.	1783.0 1780.0 1777.0	,	
		611' 0"	Sandy shale.	1776-0		
	36' O"	646' 0"	Sandstone.	1741.0		
		טייט טייט				

Drilled: Feb. 21 - May 31, 1893.

1082.0

Sandy 'shale.

'59' *0*"

705' 0"

Ву:

255' 0" 256' 0**"**

300' 0"

310'0"

343 O

370' O"

371' 6" 375' 0" 376' 0"

418'0"

457' 0"

460' O"

465' 8"

465' 10"

502'0"

511' 0"

512' 0'

514 0

516' 0"

516 6

520' o'

521 0

521 6

521' 10"

537' 0"

538 6

539' 0"

540' 0"

542' 0"

550' 0"

555' 0"

573 0"

574' 0"

576 0"

580' 0"

581' 6'

582' 0"

587' 0"

590' 0"

594' 0"

597' 2"

598' 2"

601' 0"

601' 7"

602' 0"

602' 10"

603' 0"

606 3

606' 6"

609' 6"

612'6"

614' 6"

614' 8" 615' 8"

620' 0"

621' 0"

623' 0"

623' 11"

624' 0"

628' 0" 628' 5" 628' 8"

628' 11"

643' 0"

Sandstone, coal mkgs

Conglomerate.

Sandy shale:

Conglomerate:

Sandstone.

Sand stone

Conglomerate.

Conglomerate.

Shale.

Shale.

COAL

Shale.

Sandstone.

Sandstone.

Sandstone.

Shale , light .

Shale, brown,

Shale , brown .

Shale, brown.

Sandy shale.

Shale, brown.

Shale, coal mkgs. Bandstone, white.

Sandstone, white.

Sandstone, white.

Shale, brown.

Shale, brown.

Shale, brown.

Sandstone, dark.

By: 1. Emblem , Wilson,

COAL.

Shale, brown, coal mkgs.

COAL, hard, good.

Sandstone.

COAL, soft.

Sandstone.

Shale.

Shale.

Shale.

Sandstone.

Stale.

COAL

Shale.

Shale.

Shale.

Shale.

Shale.

Shale,

Scapstone.

Conglomerate.

Conglomerate, sandstone.

Coal and shale , brown.

Shale, coal mkgs at 562-568

Shale, brown, ceal mkgs.

Sandy shale hard.

Shale, coal mkg 3", 332'0" - 332'3".

1, 0,

44' 0"

10' 0"

33' 0"

27' 0"

1' 6" 3' 6"

42' 0"

39' D"

3' 0"

5' 8"

0' 2"

36 2

9'0"

1' 0"

20

3 6

0' 6"

0' 4"

1, 6

0' 6"

2'0"

8'0"

5' 0"

18' 0"

2' 0"

4 0

1' 6"

0'6"

5' 0"

3' 0"

4' 0"

1, 0, 8, 5,

2'10"

0' 7"

0' 5"

0, 10,

3' 0"

3' 0"

0' 2"

0' 11"

4'0"

0' 5"

0, 3,

14' 1"

15 2"

20946

2090.6

2046.6

2036.6

2003.6

976.6

1975.1

971.8

1970.6

1928.6

(889.6

18866

1880.9

1880.7

1844:5

1835.5

1834.5

18325

1830.5

1830.0

1826.5

1825.5

18250

1824.7

18095

1808.0

1807.5

1806.5

1804.5

17965

1791.5

1773.5

17725

17705

1766.5

1765.0

1764.5

17595

1756.5

17525

1749.3

1748.3

1745.5

1744.9

1744.5

1743.7

1743.5

1740.2

1739.9

1736.9

1733.9

1731.9

1731.7

1730.7

1726.4

1725.4

1723.4

1722.5

1722.4

1718.4

17180

1717.7

1717.4

1703.3

00720

Dritled: Nov. 27, 1893 - Jan. 15, 1894.

NEW VANCOUVER COAL CO. NORTHFIELD

BORE HOLE 34 On Brown Estate, 1700'W., 560' S., of N.E. con., Sect. 16, R.7, Mountain District

Scale: I Inch = 20 feet								
Section	THICKNESS	ОЕРТМ	MATERIAL	ELEVATION				
	3' 0"	o' o" 3' o'	Collar of hole	2300.0 Datum -				
		J 0		†2000'below	M.S.L.			
	46° 0"		Conglomerate					
			,					
	·							
	3' 0"	49' 0" 52' 0"	Sandstone	2251.0 2248.0				
: ·	17' 0"		Conglomerate.					
:		69° 0″.		2231.0				
	₹ 0*	રહે ઈ	Sandy shale	2224.0				
	(6° 0"		Conglomerate.		-			
	4' 0"	92' 0"	Shale.	2208.0				
	12'0"	96' O"	Sandstone.	2204.0				
•		(08' 0"		21920				
:	. *							
	el, 0,		Shale.					
		•						
		•	·					
		169'0"		2131.0	•			
	0' 3" 2' 9"	169° 3″ 172° 0″	COAL. Shale. Sandstone.	2130.7 2127.9				
	6' 0' 3' 0" 5' 0"	173' 0" 179' 0" 182' 0"	Sandy shale. Shale.	21 26.9 21 20.9 21 17.9				
	5' 0" 11' 3"	187'0"	Sandy shale. Shale, coal mkgs. at 192'.	2112.9				
	,,,	198 3"	onate, coat mays, at 192.	2101.6				
'								
	41 9"		Sandy shale.					
	41.5		Sallay State					
,	,							
	•	240'0"	•	2059.8				
	12, 0,	252'0"	Shale.	2047.8	·			
	3' 0"	255' 0" 257' 0"	Sandstone. Conglomerate. Shale.	2044. 6 2042. 0				
	3' 3"	257° 9" 261° 0"	Conglomerate.	2042.0 2038.7				
	14' 0"	275'0'	Conglomerate, fine. Shale, brown.	2024.7				
	(5' 3'	275' 9"	Sandy shale.	2023.9				
	5 0	291, O,	Shale.	2008.9				
	('8'	296 0" 297`8"	COAL. Shale.	2003.9				
	8,0, 8,0,	304'0"	Sandy shale. Shale.	19979 19959				
	10,	313'0" 314'0"	Shale, brown.	1986.9 1985.9				
	10' 3\frac{1}{2}	314' 2" 324' 52	Sandy shale.	1985.7				
	7'0"	326'0" 333'0"	Shale. Shale, brown, coal mkgs.	1966.8				
	15,0,	334 0"	Shale.	1965.8				
	0' 3'	346'0" 347'6"	Shale, brown.	19538				
	9' 3"	347 9" 357' 0"	Shale, coal mkgs. at 351	1952.0 1942.7				
	1' 5½ 4' 6½ 0' 4"	358' 52 363' 0" 363' 4"	Shale. COAL.	1941 2 19366 19363				
	2 8" 4'0" 6'0"	366' 0"	Shale, brown. Sandy shale.	19366 1933.6 19296				
	4'0'	376' 0" 380' 0"	Sanasione, writte.	19240				
	0' 5"	383' 3" 383' 8" 385' 0"	COAL.	1916.7 1916.3 1915.0				
		_ -						
		:	Sau d-+					
	42' o"		Sandstone.					
•		427'0"		1873.0				
	31' 0"		Sandy shale.					
		458' o		1842.0				
		,500		.572.0				

Drilled: Feb. 12 - Mar. 3, 1894.

By: I. Emblem, -. Wilson), -. M(-).

NEW VANCOUVER COAL CO. *NORTHFIELD*

BORE HOLE 35 On Brown Estate, 900'W., 335'S., of N.E. cor., S. 16, R.7, Mountain Dist.

Scale: I inch - 20 feet.								
Section	THICKNESS	ОЕРТН	MATERIAL	ELEVATION				
	3, 0,	3'0'		-2320.0 Datum -				
	22° 0		Conglomerate.	2000 below MS.				
		25' 0"	1	2295.0				
	t' 0	_ 32°0"		2288.0				
	5, 0,			2282.0				
	34' 0'		Conglomerate.					
		74'0"		22460				
	5' 0' 8' 0"	79' 0"	Conglomerate, sandstone be Conglomerate.	2241.0				
	3' 0'	0-1-0"	Causta sandata and L	2233.0				
:	10, 0,		Conglomerate.	22200				
		1000	·	-2220.0				
			•					
	71' 0"	·	Sandy shale.					
		171' 0"		2149.0				
•	14' 0"	•	Shale, dark,					
	1, 0,	185° 0" 186° 0" 187' 0"	Shale, dark brown. Sandy shale.	21350				
	11' 0"	198, 0,	Shale, brown.	21330				
	25' 0"		Sandy shale.					
•								
	5, 0,	225' 0"	Shale, brown, coal mkgs.	2097.0 2095.0				
•			0. 1. 1.					
	23' 0"	'	Sandy shale.					
-	1'0"	248' 0" 249' 0"	Sandstone.	2072.0 2071.0				
	7' 0"	256' 0"	Conglomerate.	2064.0				
	11, 0,	267'0"	Sandy stale.	2053.0				
	5, 0,	269, 0,	Shale, brown. Conglomerate, shale bands.	2051.0 2049.0				
	10'0"	281'0"	Sandstone. Shale, brown.	2039.0				
	2' 2" 5' 10"	282' 0" 284' 2" 290' 0"	COAL.	2038.0 2035.0				
	5' 0" 5' 0"	295' 0"	Shale dark coal what	2030.0 2025.0				
	క' 0"	300 0	Sandy shale.	2020.0				
	2'0"	308' 0" 310' 0"	shale, brown.	20120				
	(3' 5"	311' 4"	Shale, brown.	2008.7				
	0' 9"	324 9" 325 6"	COAL SOFT.	19953 19945				
	14'0"	330' 0"	Shale, brown, coal mkgs. Shale.	19900				
		344 0	·	19760				
	1' 10" 2' 2"	345 (0°) 348 '0°	Shale, brown.	1974.2 1972.0				
	9'0'	348' 7" 357' 7"	Shale.	1971.4 1962.4				
	6,0,	368, 0, 365, 0,	Sandstone, white, with black mkgs.	1958.0				
	0, 5, 5, 8,	370' 8" 370' 8"	Shale. Shale, brown, coal mkgs.	1949.5 1949.3				
	0, 2, 5, 5,	372' (0" 373' 3"	COAL.	1947.1				
	\	375' 0"	Shale dark	1944.9				
	41' 0"		Sandstone.					
	•							
	e' 0"	416' 0"	Shale.	1903.9				
	5. 6.	422 0"	Sandstone	18979 1895.4				
	34 ' 6"		Shale.					
	-							
···		459' 0"		1991 2				
				1861.0				
			•					

Drilled: Mar. 9 - 24, 1894.

By: 1. Emblem, Wilson), M-

WESTERN FUEL CO. FARM

BORE HOLE NO.36 1/2 mile SE of Quarterway Hotel

Scale linch = 20 feet.

	-		6		
Section	THIGKNE SS	DEPTH	MATERIAL	ELEVATION	
	6' 0'		Collar of hole		
· · · · · · · · · · · · · · · · · · ·		6 0	•	Datum -	w MSL.
ļ	10 0	16 0	Conglomerate		
	6 0	22 0	Shale, sandy		
	9 0		Conglomerate		
		51 0	1		٠,
		ĺ			
,					
	61 6	1	Shale, sandy		
			The state of the s		
·			,		
		•	% + • * **		
	-	92 6	Shale, brown, with	[
	0 3	92 9	coal markings		
]		,	
			Shale, sandy, with coal markings at 90		
	51 3		and 119 feet		
•		ļ ·	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
	3 0	144 0	Sandatone		
	9 0	147 0	Shale, sandy		
	8 0	156 0		. ,	
		164 0	Conglomerate		,
	. 15 0		Shale, sandy		
	6 0	177 0	Sandatara	,	
	2 4	185 0	Dusta, bloam airt		
·	0 1	185 4 18 5 5	coal markinge		
,	14 7	200 0	mrkgs. at 188 & 195 Ft		
	22 0	202 : 0	Shale, black with coal markings		.*
	16 0	~~~ 0	Shale:		· · · · · · · · · · · · · · · · · · ·
		218 0	Shale, brown with		· · ·
,	1 0	219 0	coal markings: Shale, with coal mark-	,	
•	111 0	250 0	14 AA AAR & AAR AA		_
	12 ! Q	,	Shale, sandy		
	1 0 7 0	242 0 245 0	Rock, black		
	7 0	250 0 252 0	Green stone, light Red stone, dark	,	
	11 0		Green stone		,
	<u>5</u> 0	265 0	Red stone, dark	·	
•	12 6		Green stone		·
	2 6	278. 6	Red stone, dark		
	, , , , , ,	281 0			• •
4	19 0	to a constant	Green and redustones	·	**
		300 O			
	7 0	307 0	Green stone		
	1 0	598 O	Red stone	· ·	
	22 0	\$	Green stone		!
	•			,	•
,		3 3 0 0			•
	32 0		Green stone, hard		
	-		•		
. ,		562 0			÷.

Drilled: Nov. 19 - Dec. 7, 1895



NEW VANCOUVER COAL CO. WAKESIAH

BORE HOLE 37

Farm 1600' W.S.W. cor Wakesiah Ave. and Second St (W.F. Co-ords., S. 8860.3, E. 1518.4) Scale: 1 inch = 20 feet.

					ch = 20 teet.		
	SECTION	Тнісі	KNESS	Обртн	MATERIAL	ELEVATION	
			2' 0" 2' 0"	0' 0" 2' 0" 4' 0" 6' 0"	— Collar of hole — Divt. Gravel. Hardpan.	2193.7 <i>Datum -</i> *2000'belo 2187.7	uM.S.L.
			24° 0"		Conglomerate	210(-1	
			,	30' 0"		2163.7	
			24° 0"		Conglomerate, very hard.		
			6' o"	54 0" 60 0"	Shale.	21 3 9.7 21 3 3.7	
		_	2'0"	es, 0,	Sandy shale.	2131.7	
			33° 0″		Conglomerate, very hard.	!	
	· · · · · · · · · · · · · · · · · · ·		6' O"	95' 0"	Sandy shale.	2098.7	
			2'0"	103' 0"	Sandstone. Conglomerate.	2092.7 2090.7	
	- · · · · · · · · · · · · · · · · · · ·			117'6"		20762	
			37' 6"		Sandy shale		
						A _M	
			4' 0"	155' 0" 159' 0"	Sandstone.	2038.7 2034.7	
			(e' 0"	171' 0"	Conglomerate. Sandstone, coarse.	2022.7	
			o, s, o, s,	174' 0" 176' 8" 176' 10"	Shale, brown.	2019.7 2017.0 2016.8	
			18'0"	194' 10"	Sandy shale, coal mkys. of 1925. Shale, brown.	19988	
			15, 0,	207' 0"	Sundy shale.	(9866 (9866	
			8' 0"	208' 0" 216' 0" 217' 0"	Shale, brown; coal mkgs. Sandy shale. Sandstone.	19856 19776 19766	
			26° 0"	210	Conglomerate.	19(6.0	
			1' 4"	e45` 0" e44` 4"	Sandy shale.	1950.6	
			20 [°] 8"	E47 4	Conglomerate.	1949.3	
			12° 0"	265° 0"	Conglomerate, finc.	19286	
			1, 0,	277 0" 278 0"	Sandstone.	1916.6 1915.6	
Ì			2' 0" 2' 0"	283' O"	Shale, brown. Sandy shale. Shale, brown.	1913.6 1910.6	
			0' 4"	285' 0" 285' 4" 296' 0"	COAL. Shale.	1908.6	
ļ			3' 0" 13' 0"	<i>2</i> 99' 0"	Shale, brown; coal mkgs. Sandy shale.	1897.6 1894.6	
			0, 8 _n	312' 0" 313' 6"	Shale, brown; coal mkys.	1881.6 1880.1	
			0' 3"	314' 3" 314' 6" 315' 0"	Shale. COAL.	1879.3 1879.0	
-			5, 6,	315 0 327' 6" 330' 0"	Sandy shale. COAL.	1878.5 1866.0 1863.5	
			7'0" 11'0"	337' 0"	Shale, brown; coal mays. Sandy shale.	18565	
			1' 10" 0' 5"	J73 10	Shale, brown.	184 5 .5 1843.7	
			(' 9"	350` 3" 352' 0" 353' 9"	Shale, brown.	1843.3 1841.5	; ;
-			1' 10" 0' 5"	355' 7"	Shale, brown.	1839.7	
			s, s,	356` 0" 358' 2" 358' 4"	Shale, brown.	1837. 5 1835.3	† -
			0' 4"	360` 0" 360` 4"	Shale, brown; coal mkgs.	1333.4	
			2' 0"	361' 0' 363' 0'	Shule, brown; coal mkgs. Shale, light.	1832.4	
			4' 0" 22' 0" 8' 0"	367' 0" 389' 0"	Shale, brown: coal mkgs. Sundstone (Blb. mhgs. of 1882. 384') Sundy shale.		
			2' 0"	399' 0"	Sandstone.	17964 1794.4	
	-						į
			49' 0"		Sandy shale.		
				410' 2"	•	1911	
F			16, 6,	448' 0" 449' 6"	Sandstone. Sandy shale	1745.4 1743.9	
			3' 6"	466' 0" 469' 6 "	Green rock	1727.4 172 3.4	
			4 6	474' 0"	Green ("Conglomerate" erused in driller's log - At.B.)	17194	
-		. –					/

Drilled: Dec. 16, 1895 - Jan. 11, 1896. By: 1. Emblem, -W(-), -A(-).

00720

By:

Drilled: Jan. 20 - Feb. 21, 1896

680° 0"

710' O"

726'0"

759' 0"

Shale, sandy.

Greenstone.

Shale, with shell mkgs. at

30° 0°

10'0"

33' 0"

NEW VANCOUVER COAL CO.

S.W. end of Five Acres, near S.E.cor. Sect. 9, R.7, Five Acres, on Wakesiah Grade near 9th St.

HAREWOOD BORE HOLE 39 Scale: linch = 20 feet. SECTION THICKNESS DEPTH MATERIAL ELEVATION Soil. 0' 0" 2' 0" e' 0" Datum -12000'below M.S.L. 47'0" Conglomerate. 49' 0' 50' 0' Sandstone. Shale, sandy. 57' 0" 37' 0" Conglomerate. 94' 0" 95' 6" 1 6 Sandstone. Conglomerate, with coal 25' 6" mkgs. at 118! 121 0 33' O" Shale. 154' 0" 22' 0" Sandstone. 176' 0" 179' 8" 180' 0" 186' 0" 8 8' 0' 4' 6' 0' Conglomerate, fine Shale, brown, coal mkgs. Shale. Sandstone. 191' 0" Conglomerate. 13' 0" Sandstone. 204' 0" 0 3 Shale. 204' 3" 13' 9" Sandstone. 218'0" 4' 0" Conglomerate. 222' 0" 9' 0" Sandstone, with small pebbles 231' 0" 3'0" Conglomerate. 234' 0" 9' 0" Sandstone and conglomerak 243' 0" 246' 0" 249' 0" 3'0" Conglomerate. 3' 0' 2' 0' Sandstone. Conglomerate. 251' 0" 2' 0" Sandstone 4 conglomerate. 253' O" 15' 6" Conglomerate. 268' 6" 269' 0" 0' 6" Sandstone. Conglomerate, very hard. 34 0 303' 0" 3' 0" Conglomerate & sandstone. 306' 0" 31' 6" Conglomerate. 357' 6" 3' 6" Shale, sandy. 341' 0" 342' 0" 344' 0" Shale, with leaf mkgs. Shale. 1, 0, 2 0 Shale, brown. 1' 0" 345 0 18' 0" Shale. 357' 0" 21' 0" Shale, sandy. 378' 0" Shale, brown, leaf mkgs. 392 O" 3' 0" Sandstone. 385' 0" Shale, sandy, with leaf mkgs. at 39! 8' O" 393' 0' 1 6 Shale, brown. 394'6" 3' 0" 5' 0" 397'6" 402'6" Shale. Sandstone, leaf mkgs. at 401. 9' 6" Shale. 412'0" 22' 0" Shale, sandy. 434'0" 436' 9" 437' 0" 439' 2" 2' 9" 0' 8" 2' 2" Conglomerate. Shale, brown. COAL, good. Shale, sandy, leaf mkgs. at 444' and 462', white mkgs at 447. 22' 10" 462' 0' 464' 0' 465' 0' 466' 0' 466' 7' Shale. Shale, brown. 0' 10" Shale with coal mkgs. Shale, brown. COAL. 467' 5 6' 7" Shale. 474' 0' 6' O" Shale and coal. 479' 0" <u>6' 0'</u> Millstone grit, black mkgs. 485' 0" Sandstone. 24' 0" 509' o' Shale. 1, 0, 510' 0 Sandstone, very hard. 1' O" 511' 0" Shale, sandy, with shell mkgs. at 58e 591. 91' 0"

> Drilled: Mar. 2 - Apr. B. 1896. By:

602' 0"

NEW VANCOUVER COAL CO. HAREWOOD

BORE HOLE 40

S.W. end of Five Acres near S.W. cor. Sect 7, R.8, Five Acres on Wakeside Grade near 9th St. Scale: linch = 20 feet.

					_	
	Section	THICKNESS	DEPTH	MATERIAL	ELEYATION	<u>.</u>
			0' 0"	- Collar of hole		
		•		Collar of noie	Datum †2000'belo	w MS/
					2000 0410	<i>2 14</i> ,3,2,
						,
			1			
	•					
Ì						
Ì		j .	j			
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		346' o"		Old hand bore, Nº 40.		
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-		0' 3"	346' 0 ' 346' 3"	Conglomerate.		
		4' 0" 6' 0"	346' 3" 350' 3" 356' 3"	Shale, brown, coal mkgs. Shale.	f	·
F		4'0	360' 3"	Shale, with leaf mkgs.	.]	
		14' 0"		Shale, brown, coal mkgs.	<u> </u>	\
\vdash			374' 3"			
		20' 0"		Sandy shale.		-
L			394' 3"			
L		6' 0"	400' 3"	Shale, brown, coal mkgs.		. 1
<u> </u> _		6' 0" 4' 5 <u>5</u> "	406' 3"	Sandy shale. Shale, brown, coal mkgs.	.	
			410' B!"	The state of the s		
		20' 0"	ļ	Shale.		
			430'81"			
		8' 0" 6' 0"	438 82	Shale, brown, coal mkgs.		
		8 0	444' 81"	Sandstone.		
		20' 0"		Conglomerate, hard.		
			161' Qi"			
		2' 0"	466' 81' (Sandstone. Conglomerate.		
		14' 0"	6	Shale.		
_	<u> </u>	0' 0'	482' 8±' 483' 8±"	OAL and shale, dark.		
		8' 2½"	492' 0" M	Allstone grit, black mkgs.	ļ	
		35' o"		Sandstone.		
_			527' 0"	:		
		+7' 0"		and state		
_		ł	i	andy shale.	, 3	
_		16, 0,	544' 0'			
		i	60° 0" S	andy shale, shell mkgs.		
_		5	0 0			
			Dr	illed: April-May 1896.		
			Ву	,		[

NEW VANCOUVER COAL CO.

RESERVE

At mouth of Nanalmo River, W. Fuel co-ords. S. 13401.30, E. 21155.79 Scale: lin. = 20 feet.

BORE HOLE 21

704	MICKNEES	DEPTH	MATERIAL	ELEVATION	
	,	o' o*	— Collar of hole ——	2007.43 Datum - *2000'belo	w M.S.L
			*		
	· .				-
	111'7"		Sandstone	÷	

1117" 1895.8 8'0" Sandstone, shale, 1'COAL 119'7" 1887.B 10 8" Sandy shale, 2'8" COAL 130'3" 1877.2 12' 0" Shale and sandstone 1865.1

142'3" 26'0"

168' 3" 1839.1 Sandstone and sandy 11'0" shale 179'3" 1828.1 11' 0" Sandatone 190'3" 1817.2 5'0" Sandstone, shale, 1'5"COAL 195'3" 1812.2 16'0" Sandstone, shale, 2"COAL 211' 3" 1796.2 14'0" Sandstone and shale

225' 3" 1782.1 15'6" Sandstone 240'9" 1766.6 15'0" Sandstone, sandy shale, 5" COAL 255 9" 1751.6 18'0" Sandy shale, sandstone

273' 9" 1733.6 Sandy shale, sandstone, 5" COAL 14'3" 288' 0" 1719.4 20' 0" Sandy shale, sandstone 308 O" 1699.4 12' 0" Sandstone, very hard 320'0" 1687.4 10'0" Sandstone, sandy shale 330'0"

1627.4 16' 0" Sandstone 346'0" 1661.4 24'0" Sandstone, sandy shale 370' 0" 1637.4 5'0" Sandstone, B" COAL 375'0" 1632.4 19'0" Sandstone

394' 0" Sandstone and sandy shale 414'0" 1593.4 16' 0" Sandstone 430'0" 1577.4 Sandstone and sandy shale, with 9" COAL 21'0" 451' 0" 1556.4

1613.4

1455.4

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1310.4

1185.4

1170.4

1149.4

1127.4

1110.4

1108.4

1101.4 1008.4

1070.4

987.4

972.4

961.4

Sandy shale and sandstone, with 8°COAL 30'0" 481 0 1526.4 19'0" Sandstone 500'0" 1507.4

Sandstone, very hard 52' 0"

552' 0"

17'0"

44'0"

569' 0" 1438.4 Sandstone, shale, and sandy shale 18' 0" 587' 0" 1420.4 15' 0" Sandstone, conglomerate 602' o" 1405.4

Sandstone

Sandstone

646'0" 1361.4 16'0" 662' 0" 1345.4 18'0" Sandstone and shale 680' 0" 1327.4 Sandstone, shale, and sandy shale 17'0"

697' 0"

15' 0"

712' 0" 1295.4 25, 0 Shale, sandy shale 1270.4 737' 0"

Sandstone

85'o" Sandstone

Sandy shale and shale

822'0"

837'0'

858' O'

15'0"

21'0"

22' O" Sandy shale and shale 880' 0" 17'0" Shale 2' 0" 7' 0" 3' 0" Shale and sandstone 906' 0" 909' 0"

Sandstone

Shale, conglomerate sandstone 15'0" Conglomerate, sandstone shale 10' 0" 937' 0" Shale and sandstone with coal mkgs. 10'0" 947'0" 10' 0"

1080.4 Shale 957'0" 1050.4 26' 0" Shale , very soft 983' 0" 1024.4 12'0" Shale 995' O" 1012.4 17' 0" Sandy shale, shale 1012' 0" 995.4 8' o" Sandy shale, very hard 1020' 0"

15' 0"

11'-0"

24' 0"

1035'0"

1046'0"

Shale

By:

Sandy shale

1070 0 937.4 Drilled: July 23-Dec. 13, 1890

Shale and sandstone

00720(5)

1.8

W-aa

NEW VANCOUVER COAL CO. PROTECTION ISLAND

4		- y	otection	HOLE 22 1 Island Shaft		
		-	· · · · · · · · · · · · · · · · · · ·	n. = 20 feet	ELEVATION	į
SECTION	THICK		0' 0"		2020.6	
		2' 0" 3' 0' 5' 4" 7' 10"	2' 0" 5' 0" 10' 4"	Surface Sandstone, soft Sandstone, grey, with coal mkgs. Sandstone, grey, with shale ptgs.	Datum 2018 2000' below 2010.2	
		7' 0" 4' 0" 1' 6"	18' 2" 25' 2" 29' 2" 30' 8"	Sandstone, greenish Sandy shale Sandstone, grey	2002 4 1995 4 19 9 1 4 1989 9	ŗ
		1' 0" 3' 4" 3' 9"	30' 8" 35' 0" 36' 9"	Sandy shale Sandstone, greenish Sandy shale, with coal mkgs.	1988 9 1985 6 1981 8	
		0' 2" 0' 6" 4' 3"	38' (1" 39' 5" 43' 8"	Shale, dark, with coal mkgs. Sandy shale	1981.6 1981.2 1976.9	
		1' 0° 4' 0" 0' 3" 4' 11"	44' 8 " 48' 8" 48' 11"	Sandstone, light grey Sandy shale, sandstone bands COAL Shale, with coal mkgs.	1975-9 1971-9 1971-6	
	$\uparrow \parallel$	1' 4" 1' 0"	53' 10" 55' 2" 56' 2"	COAL, good, hard Sandy shale, with coal mkgs. Sandy shale	1966.7 1965.4 1964.4	
		7' 6" 4' 2" 0' 9"	62' 2" 69' 8" 73' 10" 74' 7"	Sandstone, light grey	1958.4 1950.9 1946.7 1945.9	
		2' 0" 2' 6" 5' 10"	76' 7" 79' 1" 84' 11"	Shale, dark Sandy shule Sandy shule, sandstone bands	1944.0 1941.5 1935.7	
		1' 8" 3' 0" 3' 6"	86' 7" 89' 7" 93' 1"	Sandy shale	1934.0 1931.0 1927.5	
		1' 4" 3' 7" 0' 11"	94' 5" 98' 0" 98' 11"	COAL, hard Sandy shale Shale, dark	1926.2 1922.6 1921.7	
		0' 2" 0' 11" 2' 0' 1' 4"	99' 1" 100' 0" 102' 0"	Sandy shale	1921-5 1920-6 1918-6	
		7' 0' 0' 8" 2' 0"	103' 4"	Sandstone, with shale ptgs. Sandstone, light grey COAL Sandstone, light and dark	1917-3 1910-3 1909-6	
••		1' 0" 12' 6" 3' 3"	113' 0" 114' 0" 126' 6" 129' 9"	Sandstone, dark grey, sandy shale Ss., fine coarse, It dh. grey, coal mig Sandstone, greenish	1907.6 1906.6 1894.1 1890.8	
		1' 6" 0' 6"	131' 3" 132' 9" 133' 3"	Sandy shale Shale, light Coal and shale	1889-3 1887-8 1887-3	
		0' 2"	133' 5" 135' 3" 137' 9"	Shale partings, brown Shale, light Sandy shale, sandstone bands	1987-1 1885-3 1982-8	
		6' 0" 31' 5" 5' 0"	143' 9" 175' 2" 180' 2"	Ss., fine, light grey, thin bands of sh. Ss., dark + lightgrey, coarse + fine Sandy shale	1876.8 1845.4 1840.4	
		0' 4" 0' 2" 6' 6"	180' 6" 180' 8" 187' 2"	Shale partings, brown Shale, It, v it grey ss, alternately	1840-1 1839-9 1833-4	
		1' 9" 1' 8" 0' 4"	188' 11" 190' 7" 190' 11"	Ss., dark grey, thin bands of shale Sandy shale COAL	1831-6 1829-9 1829-6	
		0' 2" 9' 10" 0' 3" 0' 6"	191' 1" 200' 11" 201' 2"	COAL, hard	1829.4 1819.6 1819.3	
		3' 3" 1' 0'	201' 8" 204' 11" 205 11"	Sandy shale Shale, dark blue	1818.8 1815.7 1814. 7	
		0' 3" 2' 0" 2' 6"	206' 0" 206' 3" 208' 3" 210' 9"	Shale , dark brown Sundy shale	1814.6 1814.1 1812.3	
		3' 8" 2' 0" 6' 0"	210' 9" 214' 5" 216' 5" 222' 5"	Sandy shale Sandstone, dark grey Sandstone, It grey, coal mkgs.	1809.6 1806.9 1804.9 1798.4	
		2' 6" 0' 3" 0' 6"	224' 11" 225' 2" 225' 8"	Sandy shale Shale, light brown COAL, hard	179 5.4 1795.4 1795.1 1794.6	. }
		0' 3" 6' 1"	225 8 225' II" 232' 0" 233' 0"	Shale , dark brown Sandy shale Shale , dark	1794.3 1788.2 1787.2	
		4' 6" 29' 5" 0' 4"	237' 6" 266' 11" 267' 3"	Sandstone, It. grey, bands of sh. Sandstone, It. grey, coal mkgs. COAL, hard	1782.7 1753.3 1753.0	
		0' 2" 6' 11" 4' 6"	267` 5" 274' 4' 278' 10"		1752.6 1745.9 1741.4	
		2' 6" 5' 6' 2' 0'	281' 4" 286' 10" 288' 10"	Sandstone, Uk. grey, shale bands Sandy shale	1738.9 1733.4 1731.4	
		3' 6"	295 10" 299' 4" 300' 4"	Sandy shale Shale, blue	1720.2	
		5' 2" 2' 10" 0' 4"	300' 10" 306' 0" 308' 10" 309' 2"	Sandy shale Sandstone, dk. grey, coal mkys.	1719.4 1714.2 1711.4	
		0' 2" 6' 2" 4' 9"	309' 4" 315' 6" 320' 3"	Shale, light brown	1711.1 1710.9 1704.7	
		0' 4" 0' 2" 15' 3"	320' 7" 320' 9" 336' 0"	Shale, light brown Sandy shale, blue grey, ss. bands	1700.3 1700.0 1699.8 1684.5	
		0' 4" 0' 5" 12' 3"	336' 4" 336' 9" 349' 0"	Coal and shale Shale, light Sandy shale, sandstone bands	1684.2 1683.8 1671.5	,
		4' 6" 1' 0" 10' 6"	353' 6" 354' 6" 365' 0"	Sandy shale Shale, light brown Sandstone, light grey	1667.0 1666.0 1655.6	
	artes (martine), in our Heavier,	49' 3"		Sandstone, grey, coal mkgs.		
		l' o"	414' 3"	St. As a state of	1606.3	
		17' 0"	415' 3"	Shale light brown Shale, dark, with fossils, and light brown	1605.3	
		e' o"			1	
	1 \	2' O"	434' 3" 434' 3"	Sandy shale, blue grey	1588.3 1586.3	
		2' 0" 9' 11"	432' 3" 434' 3" 436' 3" 446' 2"	Sandy shale, blue grey Shale, dh + It. brown, coal mkgs Sundstone, light grey	1586.3	
		9' 11" 5' 8" 4' 8" 2' 9"	434' 3" 436' 3" 446' 2" 451' 10" 456' 6"	Sandy shale, blue grey Shale, dk + It. brown, coal mkgs.	1586.3 (584.3 1574.4 (568.7	
		9' 11" 5' 8" 4' 8" 2' 9" 1' 0" 1' 6"	434' 3" 436' 3" 446' 2" 451' 10"	Sandy shale, blue grey Shule, dh + It. brown, coal mkgs. Sundstone, light grey Ss., grey, shuly bands, coal mkgs. Sandstone, light grey Ss., grey, shuly bands, coal mkgs. Shule, brown Sandstone, dark	1588.3 1584.3 1574.4 1568.7	,
		9' 11" 5' 8" 4' 8" 2' 9" 1' 0" 1' 6" 14' 7" 3' 0"	434' 3" 436' 3" 446' 2" 451' 10" 456' 6" 459' 3" 460' 3" 461' 9" 476' 4" 479' 4"	Sandy shale, blue grey Shale, dh + It. brown, coal mkgs. Sundstone, light grey Ss., grey, shuly bands, coal mkgs. Sandstone, light grey Ss., grey, shuly bands, coal mkgs. Shule, brown Sandstone, dark Sandstone, light grey, coarse Conglomerate, fine	1586.3 1584.3 1574.4 1568.7 1564.0 1561.2 1560.2	
		9' 11" 5' 8" 4' 8" 2' 9" 1' 0" 1' 6" 14' 7" 3' 0" 2' 0" 10' 6"	434' 3" 436' 3" 446' 2" 451' 10" 456' 6" 459' 3" 460' 3" 461' 9" 476' 4" 479' 4" 481' 4"	Sandy shale, blue grey Shale, dk + It. brown, coal mkgs. Sundstone, light grey Ss., grey, shuly bands, coal mkgs. Sandstone, light grey Ss., grey, shuly bands, coal mkgs. Shale, brown Sandstone, dark Sandstone, light grey, coarse Conglomerate, fine Conglomerate, fine Conglomerate, fine	1586.3 1584.3 1574.4 1568.7 1564.0 1561.2 1560.2 1558.7	
		9' 11" 5' 8" 2' 9" 1' 0" 1' 6" 2' 0" 10' 6" 2' 0" 8' 0"	434' 3" 436' 3" 446' 2" 451' 10" 456' 6" 459' 3" 460' 3" 461' 9" 476' 4" 479' 4" 481' 4" 491' 10" 493' 10"	Sandy shale, blue grey Shale, dk + It. brown, coal mkgs. Sandstone, light grey Ss., grey, shaly bands, coal mkgs. Sandstone, light grey Ss., grey, shaly bands, coal mkgs. Shale, brown Sandstone, dark Sandstone, light grey, coarse Conglomerate, fine Conglomerate, fine Sandstone, light and dark Sandstone, light and dark	1586.3 1584.3 1574.4 1568.7 1564.0 1561.2 1560.2 1558.7 1544.1 1541.1 1539.1	
		9' 11" 5' 8" 2' 9" 1' 0" 1' 6" (4' 7" 3' 0" 2' 0" 10' 6"	434' 3" 436' 3" 446' 2" 451' 10" 456' 6" 459' 3" 460' 3" 461' 9" 476' 4" 479' 4" 481' 4" 491' 10" 503' 10" 505' 10" 508' 10"	Sandy shale, blue grey Shale, dh + It. brown, coal mkgs. Sandstone, light grey Ss., grey, shaly bands, coal mkgs. Sandstone, light grey Ss., grey, shaly bands, coal mkgs. Shale, brown Sandstone, dark Sandstone, light grey, coarse Conglomerate, fine Conglomerate, fine Shale, light and dark Sandstone, light grey, shale bands Sandstone, light grey, coarse Shale, light and dark Sandstone, light grey, coarse Shale, light and dark Sandstone, light grey, coarse Shale, light and dark Sandstone, fine and hard, grey	1588.3 1584.3 1574.4 1568.7 1564.0 1561.2 1560.2 1558.7 1544.1 1541.1 1539.1 1528.6 1526.6 1518.6 1518.6 1514.6 1511.6	
		9' 11" 5' 8" 4' 8" 2' 9" 1' 0" 1' 6" 2' 0" 10' 6" 2' 0" 8' 0" 2' 0" 3' 0"	434' 3" 436' 3" 446' 2" 451' 10" 456' 6" 459' 3" 460' 3" 461' 9" 476' 4" 479' 4" 481' 4" 491' 10" 493' 10" 503' 10" 505' 10"	Sandy shale, blue grey Shale, dh + It. brown, coal mkgs. Sandstone, light grey Ss., grey, shaly bands, coal mkgs. Sandstone, light grey Ss., grey, shaly bands, coal mkgs. Shale, brown Sandstone, dark Sandstone, light grey, coarse Conglomerate, fine Conglomerate, fine Shale, light and dark Sandstone, light grey, shale bands Sandstone, light grey, coarse Shale, light and dark Sandstone, light grey, coarse Shale, light and dark Sandstone, light grey, coarse Shale, light and dark Sandstone, fine and hard, grey	1586.3 1584.3 1574.4 1568.7 1564.0 1561.2 1560.2 1558.7 1544.1 1541.1 1539.1 1528.6 1526.6 1518.6 1518.6 1518.6	
		9' 11" 5' 8" 2' 9" 1' 0" 1' 6" 14' 7" 2' 0" 10' 6" 2' 0" 2' 0" 2' 0" 4' 4"	434' 3" 436' 3" 446' 2" 451' 10" 456' 6" 459' 3" 460' 3" 461' 9" 476' 4" 479' 4" 481' 4" 491' 10" 503' 10" 505' 10" 508' 10"	Sandy shale, blue grey Shale, dh + It. brown, coal mkgs. Sandstone, light grey Ss., grey, shaly bands, coal mkgs. Sandstone, light grey Ss., grey, shaly bands, coal mkgs. Shale, brown Sandstone, dark Sandstone, light grey, coarse Conglomerate, fine Conglomerate, fine Shale, light and darh Sandstone, lt. + dh. grey, shale bands Sandstone, light grey, coarse Shale, light and dark Sandstone, light grey, coarse Shale, light and dark Sandstone, light and dark Sandstone, fine and hard, grey Sundy shale, dark grey Sandy shale, blue grey,	1588.3 1584.3 1574.4 1568.7 1564.0 1561.2 1560.2 1558.7 1544.1 1541.1 1539.1 1528.6 1526.6 1518.6 1518.6 1514.6 1511.6	
		9' 11" 5' 8" 2' 9" 1' 0" 1' 6" 2' 0" 10' 6" 2' 0" 2' 0" 2' 0" 4' 4" 16' 2"	434' 3" 436' 3" 446' 2" 451' 10" 456' 6" 459' 3" 460' 3" 461' 9" 476' 4" 479' 4" 481' 4" 491' 10" 503' 10" 503' 10" 505' 10" 508' 10" 513' 2"	Sandy shale, blue grey Shale, dh + It. brown, coal mkgs. Sandstone, light grey Ss., grey, shaly bands, coal mkgs. Sandstone, light grey Ss., grey, shaly bands, coal mkgs. Shale, brown Sandstone, dark Sandstone, light grey, coarse Conglomerate, fine Conglomerate, fine Shale, light and dark Sandstone, lith dh. grey, shale bands Sandstone, light grey, coarse Shale, light and dark Sandstone, light grey, coarse Shale, light and dark Sandstone, fine and hard, grey Sundy shale, dark grey Sandy shale, blue grey, with coal mkgs. Sandstone, dark pcoarse	1586.3 1584.3 1574.4 1568.7 1564.0 1561.2 1560.2 1558.7 1544.1 1541.1 1539.1 1528.6 1518.6 1518.6 1518.6 1511.6 1507.3	
		9' 11" 5' 8" 2' 9" 1' 0" 1' 6" 2' 0" 10' 6" 2' 0" 2' 0" 3' 0" 2' 0" 4' 4" 16' 2" 5' 9" 21' 4"	434' 3" 436' 3" 446' 2" 451' 10" 456' 6" 459' 3" 460' 3" 461' 9" 476' 4" 479' 4" 481' 4" 491' 10" 503' 10" 503' 10" 505' 10" 508' 10" 513' 2"	Sandy shale, blue grey Shale, dh + It. brown, coal mkys. Sandstone, light grey Ss., grey, shaly bands, coal mkys. Sandstone, light grey Ss., grey, shaly bands, coal mkys. Shale, brown Sandstone, light grey, coarse Conglomerate, fine Conglomerate, fine Conglomerate, fine Shale, light and durh Sandstone, light grey, shale bands Sandstone, light grey, coarse Shale, light and dark Sandstone, light grey, coarse Shale, light and dark Sandstone, fine and hard, grey Sundy shale, dark grey Sandy shale, blue grey, with coal mkgs. Sandstone, dark pcoarse Sandy shale, blue grey, with coal mkgs.	1586.3 1584.3 1574.4 1568.7 1564.0 1561.2 1560.2 1558.7 1544.1 1541.1 1539.1 1528.6 1518.6 1518.6 1518.6 1511.6 1507.3	
		9' 11" 5' 8" 2' 9" 1' 0" 1' 6" 2' 0" 10' 6" 2' 0" 8' 0" 2' 0" 4' 4" 16' 2" 5' 9" 21' 4"	434' 3" 436' 3" 446' 2" 451' 10" 456' 6" 459' 3" 460' 3" 461' 9" 479' 4" 479' 4" 491' 10" 503' 10" 503' 10" 503' 10" 508' 10" 513' 2" 529' 4" 535' 1"	Sandy shale, blue grey Shale, dh + It. brown, coal mkgs. Sundstone, light grey Ss., grey, shuly bands, coal mkgs. Sandstone, light grey Ss., grey, shaly bands, coal mkgs. Shule, brown Sandstone, light grey, coarse Conglomerate, fine Conglomerate, fine Conglomerate, fine Shale, light and durh Sandstone, light grey, coarse Shale, light and dark Sandstone, light grey, coarse Shule, light and dark Sandstone, fine and hard, grey Sundy shale, dark grey Sundy shale, blue grey, with coal mkgs. Sandstone, dark pcoarse Sandy shale, blue grey, with coal mkgs. Shale, dark Conglomerate, coarse	1588.3 1584.3 1574.4 1568.7 1564.0 1561.2 1560.2 1558.7 1544.1 1539.1 1529.6 1518.6 1518.6 1518.6 1518.6 1518.6 1511.0 1507.3 1491.1 1485.3	
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		9' 11" 5' 8" 2' 9" 1' 6' 1' 6' 2' 0" 8' 0" 2' 0" 8' 0" 2' 0" 2' 0" 4' 4" 16' 2" 5' 9" 21' 4" 2' 2" 0' 1" 13' 6" 2' 2" 0' 1" 13' 6" 2' 9" 12' 9" 25' 9" 25' 9" 25' 9" 25' 9" 26' 10' 0" 27' 0" 28' 2" 29' 0' 7" 20' 1" 20' 1" 20' 1" 20' 1" 20' 1" 20' 1" 20' 2" 20' 1" 20' 1" 20' 2" 20' 1" 20' 2" 20' 2" 20' 2" 20' 2" 20' 2" 20' 3" 20' 4" 20' 4" 20' 4" 20' 4" 20' 4" 20' 4" 20' 4" 20' 4" 20' 6"	436' 3" 44 4" 10" 6" 10" 6" 10" 6" 10" 6" 10" 6" 10" 6" 10" 6" 6" 6" 6" 6" 6" 6" 6" 6" 6" 6" 6" 6"	Sandy shale, blue grey Shale, dh + 1t. brown, coal mkys. Sundstone, light grey Ss., grey, shuly bands, coal mkys. Sandstone, light grey Ss., grey, shuly bands, coal mkys. Shale, brown Sandstone, light grey, coarse Conglomerate, fine Conglomerate, fine Conglomerate, fine Shale, light and durh Sundstone, light grey, coarse Shale, light and dark Sandstone, light grey, coarse Shale, light and dark Sandstone, light and hard, grey Sundy shale, dark grey Sandy shale, dark grey Sandstone, dark pcoarse Sandy shale, blue grey, with coal mkys. Sandstone, dark pcoarse Shale, dark Conglomerate, coarse Shale, dark, with coal mkys. Shale, dark, blue COAL, hard Shale partings, brown COAL, good, hard Shale, dark Conglomerate, fine and coarse Conglomerate, fine, durh Conglomerate, fine and coarse Conglomerate, fine and coarse Conglomerate, fine and coarse Conglomerate, fine and coarse Conglomerate, fine and coarse Shale, brown COAL, hard Shale, brown COAL, hard Shale, brown CoAL, hown Conglomerate, fine and coarse Sandstone, light grey Shale, brown Sandstone, light grey Shale, brown Sandstone, light grey Shale, dark blue Shale, brown Sandstone, grey + sandy shale Shale, brown Shale, dark blue Shale, brown Shale, dark blue	1586.3 1584.3 1574.4 1568.7 1561.2 1560.2 1558.7 1541.1 1539.1 1528.6 1518.6	
		9' 11" 5' 8" 2' 9" 1' 6" 2' 0" 10' 6" 2' 0" 2' 0" 2' 0" 3' 0" 2' 0" 3' 0" 2' 0" 3' 0" 2' 0" 3' 0" 2' 0" 2' 0" 3' 0" 2' 0" 2' 0" 13' 6" 2' 3" 0' 4" 2' 9" 12' 9" 12' 9" 12' 9" 15' 6" 10' 6" 10' 6" 10' 6" 10' 6" 10' 6" 10' 6" 10' 6"	436' 3" 44 4" 10" 10" 10" 10" 10" 10" 10" 10" 10" 10	Sandy shale, blue grey Shale, dh. It. brown, coll mkgs. Sundstone, light grey Ss., grey, shuly bands, coal mkgs. Sandstone, light grey Ss., grey, shuly bands, coal mkgs. Shale, brown Sandstone, light grey, coarse Conglomerate, fine Conglomerate, fine Conglomerate, fine Shale, light and darh Sandstone, light grey, coarse Shale, light and dark Sandstone, light grey, coarse Shale, light and dark Sandstone, light and fark Sandstone, light and fark Sandstone, light grey, coarse Shale, light and mry Sandy shale, dark grey Sandy shale, dark grey Sandy shale, blue grey, with coal mkgs. Sandstone, dark pooarse Sandy shale, blue grey; with coal mkgs. Shale, dark Conglomerate, coarse Shale, dark, with coal mkgs. Shale, dark, with coal mkgs. Shale, dark, blue COAL, hard Shale partings, brown COAL, good, hard Shale, dark, with coal mkgs. Shale, dark, blue COAL, good, hard Conglomerate, fine, dark Conglomerate, fine and coarse Conglomerate, fine and coarse Conglomerate, fine and coarse Conglomerate, fine and coarse Shale, brown, with coal mkgs. Sandstone, light grey Shale, brown COAL, hard Shale, brown food the shale, brown Shale, dark grey, with coal mkgs.	1586.3 1584.3 1574.4 1568.7 1561.2 1560.2 1558.7 1541.1 1539.1 1526.6 1516.6 1511.6 1507.3 1491.1 1485.3 1495.3 1495.4 1425.4 1425.4 1414.6 1401.8 1366.0 1369.7 1369.7 1369.7 1369.6 1365.2 1369.5 1365.1 1375.1 1333.1 1333.1 1366.6 1367.5 1369.6 1369.6 1369.6 1369.7 1369.6 1369.7 1369.6 1369.7 1369.6 1369.7 1369.6 1369.7 1369.6 1369.7 1369.6 1369.7 1369.6 1369.7 1369.6 1369.7 1369.6 1369.7 1369.6 1369.7 1369.6 1369.7 1369.6 1369.6 1369.6 1369.6 1369.6 1369.6 1369.6	
		9' 11" 5' 8" 2' 9" 1' 6' 1' 6' 2' 0" 8' 0" 2' 0" 8' 0" 2' 0" 2' 0" 4' 4" 16' 2" 5' 9" 21' 4" 2' 2" 0' 1" 13' 6" 2' 2" 0' 1" 13' 6" 2' 9" 12' 9" 25' 9" 25' 9" 25' 9" 25' 9" 26' 10' 0" 27' 0" 28' 2" 29' 0' 7" 20' 1" 20' 1" 20' 1" 20' 1" 20' 1" 20' 1" 20' 2" 20' 1" 20' 1" 20' 2" 20' 1" 20' 2" 20' 2" 20' 2" 20' 2" 20' 2" 20' 3" 20' 4" 20' 4" 20' 4" 20' 4" 20' 4" 20' 4" 20' 4" 20' 4" 20' 6"	436' 3" 446' 1" 4" 550' 50' 555' 555' 555' 555' 555' 555'	Sandy shale, blue grey Shale, dh + 1t. brown, coll mkgs. Sundstone, light grey Ss., grey, shuly bands, coal mkgs. Sandstone, light grey Ss., grey, shuly bands, coal mkgs. Shale, brown Sandstone, light grey, coarse Conglomerate, fine Conglomerate, fine Conglomerate, fine Shale, light and darh Sandstone, light grey, coarse Shale, light and dark Sandstone, light grey, coarse Shale, light and dark Sandstone, fine and hard, grey Sundy shale, darh grey Sandy shale, dark grey Sandy shale, blue grey, with coal mkgs. Sandstone, dark pcoarse Shale, dark Conglomerate, coarse Shale, dark Conglomerate, coarse Shale, dark, with coal mkgs. Shale, dark, blue COAL, hard Shale partings, brown COAL, good, hard Shale, dark, with coal mkgs. Shale, dark Conglomerate, fine, darh Conglomerate, fine and coarse Conglomerate, fine and coarse Conglomerate, fine and coarse Conglomerate, fine and coarse Conglomerate, fine and coarse Shale, brown CoAL, hard Shale, brown CoAL, hard Shale, brown CoAL, good, hard Shale, dark Conglomerate, fine dark Conglomerate, fine dark Conglomerate, fine fossis Conglomerate, fine and coarse Sandstone, light grey Shale, brown Sandstone, light grey Shale, brown Shale, dark blue Sandstone, light grey Shale, brown Shale, dark blue Sandstone, dk, grey, coal mkgs. Shale, dark blue Sandstone, dk, grey, coal mkgs. Shale, dark blue Sandstone, dk, grey, coal mkgs. Shale, dark blue Sandstone, dk, grey, coal mkgs. Shale, dark blue Sandstone, dk, grey, coal mkgs. Shale, dark blue Sandstone, dk, grey, coal mkgs. Shale, dark blue Sandstone, dk, grey, coal mkgs. Shale, dark blue Sandstone, dk, grey, coal mkgs. Shale, dark blue Sandstone, dk, grey, coal mkgs. Shale, dark blue	1588.3 1584.3 1574.4 1568.7 1568.2 1558.7 154.1 1539.1 1528.6 1518.6 1518.6 1518.6 1518.6 1518.6 1518.6 1518.6 1518.6 1518.6 1518.6 1518.6 1518.6 1518.6 1518.6 1518.6 1518.6 1518.6 1518.6 1518.6 1457.6 1458.4 1429.5 1429.5 1429.5 1429.6 1432.1 1432.4 1414.6 1401.8 1366.6 1369.7 1369.4 1368.6 1369.7 1369.4 1368.6	
		9' 11" 5' 8" 2' 9" 1' 6' 1' 6' 2' 0" 8' 0" 2' 0" 8' 0" 2' 0" 8' 0" 2' 0" 2' 0" 3' 0" 2' 0" 2' 0" 3' 0" 2' 0" 3' 0" 2' 0" 2' 0" 10' 6" 2' 0" 2' 0" 10' 6" 2' 0" 10' 0" 2' 0" 10' 0"	436 3" 436 3" 456 3" 457 4" 458 4" 459	Sandy shale, blue grey Shale, dh 1 th brown, coal mkgs. Sundstone, light grey Ss., grey, shuly bands, coal mkgs. Sandstone, light grey Ss., grey, shaly bands, coal mkgs. Shale, brown Sandstone, light grey, coarse Conglomerate, fine Conglomerate, fine Conglomerate, fine Shale, light and darh Sandstone, light grey, coarse Stale, light and darh Sandstone, light grey, coarse Stale, light and dark Sandstone, light grey, coarse Stale, light and dark Sandstone, line and hard, grey Sundy shale, darh grey Sandy shale, blue grey, with coal mkgs. Sandstone, dark pcoarse Sandstone, dark pcoarse Shale, darh, with coal mkgs. Shale, darh, with coal mkgs. Shale, darh, with coal mkgs. Shale, darh, with coal mkgs. Shale, darh Conglomerate, coarse, darh Conglomerate, fine and coarse Conglomerate, fine and coarse Conglomerate, fine and coarse Conglomerate, fine and coarse Conglomerate, fine durh Conglomerate, fine and coarse Conglomerate, fine durh Conglomerate, fine durh Conglomerate, fine durh Conglomerate, fine durh Conglomerate, fine durh Conglomerate, fine durh Conglomerate, fine durh Conglomerate, fine durh Conglomerate, fine durh Conglomerate, fine durh Conglomerate, fine durh Conglomerate, fine Sandstone, dkgrey, coal mkgs. Shale, dark blue Shale, dark blue Shale, dark blue Shale, dark blue Shale, dark blue Shale, dark blue Shale, dark blue Sandstone, dkgrey, coal mkgs. Shale, dark blue Shale, dark blue Shale, dark blue Sandstone, dkgrey, coal mkgs. Shale, dark blue Sandstone, dkgrey, coal mkgs. Sondstone, dkgrey, coal mkgs. Shale, dark blue Sandstone, dkgrey, coal mkgs. Shale, dark blue Sandstone, dkgrey, coal mkgs. Shale, dark blue Sandstone, dkgrey, coal mkgs. Sondstone, dkgrey, coal mkgs.	1586.3 1584.3 1574.4 1568.7 1568.2 1558.7 1544.1 1539.1 1526.6 1516.6 1516.6 1511.6 1507.3 1491.1 1485.3 1495.3 1495.4 1457.6 1445.6 1445.6 1445.6 1445.6 1445.6 1457.6 1457.6 1466.6 1366.6	
		9' 11" 5' 8" 4' 8" 2' 9" 1' 6" 2' 0" 2' 0" 2' 0" 3' 0" 2' 0" 3' 0" 4' 4" 16' 2" 5' 9" 2' 3" 2' 3" 2' 3" 2' 3" 2' 3" 2' 3" 2' 4" 2' 9" 2' 4" 2' 9" 2' 4" 2' 9" 2' 6" 1' 0" 2' 6" 1' 0"	436' 3" 436' 3" 456' 3"	Sandy shale, blue grey Shale, dk + 1t. brown, coal mkgs. Sundstone, light grey Ss., grey, shaly bands, coal mkgs. Sandstone, light grey Ss., grey, shaly bands, coal mkgs. Shale, brown Sandstone, dark Sandstone, light grey, coarse Conglomerate, fine Conglomerate, fine Conglomerate, fine Shale, light and darh Sandstone, light grey, coarse Shale, light and darh Sandstone, light grey, coarse Shale, light and dark Sandstone, light grey, coarse Shale, light and dark Sandstone, light grey Sandy shale, blue grey with coal mkgs. Sands tone, dark pooarse Sandy shale, blue grey; with coal mkgs. Shale, dark Conglomerate, coarse Shale, dark, with coal mkgs. Shale, dark, with coal mkgs. Shale, dark, blue COAL, hard Shale partings, brown COAL, good, hard Shale, dark, with coal mkgs. Shale, dark, blue COAL, hard Conglomerate, fine and coarse Conglomerate, fine and coarse Conglomerate, fine and coarse Conglomerate, fine and coarse Conglomerate, fine and coarse Shale, dk, sandstone bands, coal Shale, blue, grey Shale, blue, grey Shale, blue, grey Shale, dk, sandstone bands, coal Shale, brown Shale, dark blue Sandstone, grey + sandy shale Shale, blue, grey Shale, dark blue Sandstone, dk, grey, coal mkgs. Sandstone, dry grey Shale, dark blue Sandstone, dark grey, with coal mkgs. Shale, dark blue Sandstone, dark grey Shale, dark blue Sandstone, dark grey Shale, dark blue Sandstone, dark grey Shale, dark blue Sandstone, dark grey Shale, dark blue Sandstone, dark grey Shale, dark blue Sandstone, dark grey Shale, dark shale, grey Shale, dark blue Sandstone, dark grey Shale, dark shale, grey Shale, dark shale, grey Shale, dark shale, grey Shale, dark shale, grey Shale, dark shale, grey Shale, dark shale, grey Shale, dark shale, grey Shale, dark shale, grey Shale, dark shale, grey Shale, dark shale, grey Shale, dark shale, grey Shale, dark shale, grey Shale, dark shale, grey Shale, dark shale, grey Shale, dark shale, grey	1586.3 1584.3 1574.4 1568.7 1568.7 1568.7 1544.1 1539.1 1526.6 1516.6 1516.6 1516.6 1516.6 1516.6 1517.3 1491.1 1485.3 1495.3 1495.4 1425.4 1425.4 1414.6 1401.8 1376.0 1369.7 1369.7 1369.7 1369.6 1365.2 1365.2 1365.1 1376.0 1376.0 1365.2 1365.1 1376.0 1365.2 1365.1 1366.6 1365.2 1366.6 1365.2 1366.6	

Drilled: Oct. 17-Dec. 27 1890 By: Louis

00720

NEW VANCOUVER COAL CO. NORTHFIELD

BORE HOLE 23
Sect. 1, Nanaimo District, 400 ft. N.E. of N.E. corner, S. 17, R.B., Mountain District

Section	THICKNESS	DEPTH	MATERIAL	ELEVATION	
		o' o"	_ Collar of hole	2238.7	
		·		Datum 12000 belo	w M.S.L.
	·				
	:				
	84'6"	. ,	Gravel and cement		
*					
	`			·.	
		,			
					· · · · · · · · · · · · · · · · · · ·
		84'6"		2154.2	
	,	, 			
	25' 6"		Conglomerate		
·	·	110' 0"		2128.7	
	10' 0'	120' 0"	Conglomerate, stale, and sands tone	2118.7	
i					
	59' o"		Conglomerate		: ,
		,			
					· ·
		179' 0"	·	2059.7	•
	10' 0"	189' 0"	Canglomerate and sandy shale	2049.7	
	31' 0"		Shale, sandy shale, and sandstone		
	,		•		
		220' 0"		2018.7	•
ey.	24' 0"		Sandstone, sandy shale, and conglomerate		
;		244' 0"		1994.7	
		244 0		1394.7	
	21' 0"		Conglomerate and sandy shale		
		265' o"		1973.7	
	22' 0"		Sandy shale and shale	·	
		287' 0"		1951.7	,
	~24' 0"			.•	: . :
	~240		Sandy shale and sand st one		
	•	311' 0"		1927.7	
	•			`	
					• .
	53' o"		Conglomerate		
					•
	1' 5"	364 0" 365 5"	COAL	1874.7 18 73. 8	
	24' 7"		Sandstone		
	4 4 /		Curione		
	12' 0"	390'0"	Sandstone and Conglemerate	1848.7	
	0' 6"	402' 0"	COAL	1836.7	
	16' 6"	402' 6"	Shale	1856.2	
	1'0"	419' 0" 420' 0"	COAL ,	819.7 818.7	
	21' 0"	420 0	Shale, light	1010-7	
		441' 0"	· ·		
		441 0		1797.7	
				. *	
.]	41' 0"		Shale and sandy shale		
·					
		482' 0"	·	1756-7	•
	41' 0"	•	Sandstone		
	, , ,		. •		
	· · · · · · · · · · · · · · · · · · ·	523' 0"		1715.7	÷
	· · · · · · · · · · · · · · · · · · ·				No mag.
			•		
	,	,			
			•		
9		-			
			•		
1					

Drilled: Feb. 2 - May 9, 1891 By: .

1562.7

163' 0"

686.0

Sect.

NEW VANCOUVER COAL CO. NORTHFIELD

, Nanaimo	Dist.; on k	beach , De	E HOLE 24 parture Bay, 400yds N. of c n. = 20 feet	old S. Wellington wha
SECTION	THICHMES	Scale : / i	n. = 20 feet MATERIAL	ELEVATION
			" Coltar of hole	2004.0
	15' 0		Drift cement, gravel, and boulders	Datum 12000 below M.S.L.
		15' <i>o</i> '		1989.0
	89' 0		Shales and sandy shales	
			Jundy Shales	
,	2' 0	104'0"		1900 0
		106' 0"	and conglomerate	1898.0
·	41' 0	•	Sandy shale	
		147' 0"		1857.0
	15' 0'	- 162° 0°	Clay shales	1842.0
	7' 0' 2' 0' 4' 0'	 169' 0" 171' 0"	Sandy shale Conglomerate Sandstone and conglomerate	1835.0 1833.0
	2' 3'	177' 3" 177' 4" 180' 0"	Sandstone Coal traces Mixed Conglomerate	- 1829 0 - 1826 7 - 1826 6 - 1823 9
•	5' 0"	105 06	Conglomerate Sandstone	1823.9 - 1818.9 - 1817.9
		. ,	`	
	87' <i>0</i> "		Conglomerate	
	2' 0"	273' 0"	Sandstone and conglomerate	1730.9
	1'0"	276' 0"	Conglomerate	1728.9
	21'0"	297' 0"	Sandstone	1706.9
	4' 0" 1' 0" 5' 0" 2' 0"	301'0" 302'0" 307'0"	Shale with coal traces Shale Sandstone	17 0 2.9 1701.9 16969
	11' 0"	309' 0"	Conglomerate	1694.9
	8'0"	1 321' 0" 1	Sandstone and conglomerate	1602.9
	30' o'		Conglomerate	
	5' o"	1 304 <i>0</i> 1	Sandstone	1645.0 1640.0
	19' 0"	374'0"	Conglomerate	(630.0
	13' 0"	387' 0"	Sandstone and shale Dark shale coal traces	1617.0
	14' 3"	387' 9"	Dark shale, coal traces Shale	1616.2
	0' 2"	402' 0" 403' 0" 403' 2"	Shale with coal traces Shale , dark	1601.9 1600.9 1600.7
	18' 10"	422' 0"	Sandy shale	1581.9
	12' 0"	425' 0"	Sandstone Conglomerate	1578.9
71	5' 0"	442 0	Sandstone	1566-9 1561-9
	0' 6"	453' 6" 454' 0"	Conglomerate Slate, brown	
	9' 0" 5' 0"	ا م ۱۵۵۰ [Conglomerate Mixed sandstone	1549.9 1540.9 1535.9
	14' 0"	.	Shale	
	10, 0,	482' 0"	Shale, blue, soft	(521.9
	2.0.	492' 0" 494' 0"	Sandy shale	1511-9 1509.9
	23' o*		Conglomerate	
	1' 0" 5' 0"	517 0" 518' 0" 523' 0"	Shale, brown , coal traces Sandy shale	1486.9 1485.9 1480.9
	47° 0°		Conglomerate	
		570' o"		1433.9
	5' 0"	575' 0" 577' 0" 578' 0"	Sandy shale Shale, brown, coal traces Slate and coal	4289 4209 4259
	2' 6"	580' 6" 581' 8"	Shale, brown and coal mixed Shale, brown	1423.4 1422.2 1420.9
	5' 0" 8' 6" 0' 6" 9' 0"	1 ~~ , ~ ,	Shale Shale, brown, coal traces Shale	1415-9 1407-4 1406-9
	1' 0" 7' 0"	{ 614 0 F	Sandstone, coal traces Sandstone Shale, brown, coal traces	1397-9 1396-9 1389-9
	12' 4"	627 4"	Sandstone	1376.6
	2' 8"	630' 0"	Sandy shale	1373.9
	21' 9"		Sandstone .	12521
	0' 3"	651' 9" 652' 0"	Shale, brown, coal traces Sandstone	1352-1 1351-8
		668° 0°		1335.8
	20' o"		Sandy shale	
		688 O		1315-8
	26' 0'		Sandy shale, lime slips in shale	
		714' 0"		1289.8
egare		,		- The state of the
	46' o"	,	Sandy shale	
			•	
	('0"	.760' 0" - 781' 0" -	Sandy shale, coal traces	1243.8 1242.8
		0		
	6,0		Sandy shale	
	-			
	2' 0" 8' 0"		Shale, blue Shale, coal traces	1181-8
	2' 0"	822' 0" - 824' 0"	Shale, blue Shale, coal traces	•

Drilled: Apr. – July , 1891 By: Brown , Sullivan Mach. Co.

1139.8

1116.8

(068.)

32' 0"

23' 0"

48' 7±"

864' o"

887' 0"

935 72

Shale

Conglomerate, lime streaks

Trap rock on Vancouver Vit. rock

25

NEW VANCOUVER COAL CO. **NORTHFIELD**

BORE HOLE 25

Centre of Sect. 19, R.8, Mountain District

Scale: | inch = 20 feet

W-25

		S	cale: line	th = 20 feet		•
	SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION	
-			o' v"	- Collar of hole	2263. 0	-
		,	-	ļ	Oatum - 1 t2000'belo	w M.S.L.
	•			•		
		i				
	;					
				-		
-			•	in a specific and the second of the second o	: - 	
		186' 0"		Gruvel und sand		
İ		-				
		·				-
		,	186'0"		2077.0	
-						
		64' 0"		Conglomerate		
				The second section of the second section is a second section of the second section sec	-	
			250' 0"		2013.0	
		2.0	252' 0"	Stale	2011.0	
		_ •		C 4-		
	h.	31'0"		Conglomerate .	!	
			283' 0"	ļ	1980.0	
		19' 0"		Sandy shale		
		19 0	302' 0"		1001.0	
		12' 0"		Sandy shale and sandstone	1961.0	
		7' 0"	314'0"	Sindstone and conglomerate	1949.0	
		10' 0"	321 0"	Conglemerate	1942.0	
		8'0"	331' 0"	Sundstone und conglomerate	1932.0	
		10' 0"	339' 0"	Sandstone, shale, and	1924.0	
			349' 0"		1914.0	
		13' 0"	362' 11"	Sandstone	1901-0	
		4' 0" 9' 0"	366' 0"	Sandstone and conglumerate	1897.0	
		9' 0"	375' 0"	Sandstone	1888.0	=
			384' 0"		1879.0	
		12'0"	396' 0"		1867.0	
		8' 0"	404' 0"		1859.0	
		12' 0"	416' 0"	Sundy shale, conglomerate	1847.0	
				:		
		42' 0"		Conglomerate		
			458' 0"		1805.0	
		8' 0" 2' 5"	466' 0"	Conglomerate and shale	1797.0 1794.6	
		7' 7"	476' 0"	Sandy shale	1787.0	
		7 0	493' 0"	Sandstone and conglomerate	1780.0	
		29' 0"		Conglomerate	•	
		3'0'	512' 0" 515' 0"	Conglomerate and shale	1751.0	
		3 0 2 0 0 10	515' 0"	Shale COAL	1748.0	
		<u> </u>	517' 10"		1745.2	
		13' 2"	531' 0"	Shale and sandy shale	1732.0	
		0' 7* 5' 5*	531' 7" 537' 0"	COAL	1731.4	
		15' 6"		Sandy shale		
		0' 6"	552 6" 553' 0"	COAL Sandy shale	1710.5	
		10'0"	556' 0"	COAL	1708.7 1707.0 1697.0	
				Sandata		
		44'0"		Sandstone		
			610'0"		653. <i>0</i>	
					J. J	,

Drilled: May 11 - Oct. 28, 1891 Ву:

NEW VANCOUVER COAL CO. HAREWOOD

BORE HOLE 28

About 1750' east of tunnel entrance to Harewood mine

Abou			nel entrance to Harewood	mine	
		1	<u> </u>	ELEVATION	· .
SECTION	THICHNESS	DEPTH	MATERIAL	2411-1	
		, 0' 0"	Collar of hole	Datum -	w MSL.
			O b. undan		
ļ	37' 6"		Overburden		
		27' 6"	• • • • • • • • • • • • • • • • • • • •	2872 8	
	2' 6' 6' 0'		I Sanda ala da I. I. aras	2575.6 2371.1 2365.1	1
					·
	25' 6"		Conglomerate, hard, coarse		
		71'6"	Construents had some	2339.6	
	15' 3"	86' 9"	Conglomerate, hard, coarse with coal mkgs.	2324.4	
	3' 0"	89' 9"		2321.4	
			•		<u>.</u>
	48' 3"		Conglomerate, clay parting		
		138' 0"	,	2270	
	0' 6" 2' 0' 2' 6'	138' 6" 140' 6" 143' 0"	Shale partingine, coal mkgs. Conglomerate, fine, coal mkgs. Conglomerate	2273.1 2272.5 2270.6	·-
	3' 0" 2' 6" 2' 9"	146 0" 148 6" 148 5"	Shale, light grey Sandy shale Shale, dark grey, coal mkgs.	2268.1 2265.1 2262.6	
	0' 9" 2' 9" 3' 0"	152' 0" 154' 9"	Shale, It brown, and coal, mixed Shale Conglomerate, coarse	2259.1 2256.4	
	2' 0"	157' 9" 159' 9" 161' 3"	Shale, soft, dark grey Shale, light brown, coal mkgs	2253.4 2251.4 22 49 .9	
	7' 6' 6' 0'.	163' 6" 171' 0" 177' 0"	Shale, dark grey Conglomerate, coarse Bandstone, lightgrey, coarse	2247.6 2240.1 2234.1	aig .
	15 6 °	192 6 195 6	Conglomerate, coarse and fine shale parting at 184'9" Sandstone, dark grey coal mkgs.	2218.6	*
	3' 0" 	198' 6" 200' 1"	Sandy shale, dark grey COAL, hard, clean Shale, brown	2212.6	•
	1, 11,	202' 9 " 204' 8 "	COAL, hard, clean Shale, brown COAL, clean	2209.5 2208.4 2206.4	· · · · · · · · · · · · · · · · · · ·
	1' 5" 11' 7" 0' 6"	205' 7" 207' 0" 218' 7"	Shale Conglomerate, coarse	2205.5 2204.1 2192.5	
	8' 6" 6' 7"	234' 2"	Shale, light brown, coal mkgs. Sandstone, dark grey coal mkgs Sandy shale, dark grey	2192.0 2183.5 2176.9	
	1' 0"	235' 6" 236' 6" 238' 6"	Shale, brown COAL	2175.7	
	3' 2"	240' 3" 245' 5"	Shale, brown Sandy shale, light grey Shale, dark brown, coal mkgs	2172.4 2170.9 2167.7	
	0' 9' 5' 2'	246' 5" 247' 2"	C	2164.7 2163.9	
	13' 3'	265' 7" 266' 1"	Sandstone, dark grey Conglomerate, coarse	2158.7 2145.5 2145.0	· • :
	1' 4" 1' 0" 14' 2"	267' 5" 268' 5" 282' 7'	Conglomerate, fine Sandstone	2143.7 2142.7 2128.5	· · ·
		202		,	
•	36' 3"		Sandstone, dark grey, interstrat, with crystalline carbonate of lime		
.·					i
•		318'10"		2092.3	
		. •			
	71' 4"	•	Sandy shale, dark grey, interstrat, with crystalline		Ý
			carbonate of lime		
			•		
		,			
· ,		390' 2"		2020.9	÷
	18' 9" '		Sandy shale, dark & light, with fossils shells		
		408' 11"	Sandy shale derivered	2002.2	
	18° 3"	, ,	Sandy shale, dark grey, with sandslone bands	100: -	
		427' 2"		1983.9	
:	51' 1"	,	Sandy shale, dark grey, with fossili shells		
	•	478' 3"		1022 0	
	9' 9"	478 3"	Shale, dark grey	1932.8	

00720

*4

1923.1

488' 0"

27 W-27 NEW VANCOUVER COAL CO. **NORTHFIELD** BORE HOLE 27 Sect. 1, Nanaimo Dist.; on beach, Departure Bay, 250 yds. S. of old S. Wellington wharf Scale: linch = 20 feet ELEVATION SECTION MATERIAL THICKNESS DEPTH o' o' -- Collar of hole -2004.0 Datum t2000'below M.S.L. Cement, clay and gravel 42' 0" 42' 0" 44' 0" 1962.0 2 0 Boulders and gravel 1960.0 54'0" Shale 98' 0" 101' 0" 1906.0 1903.0 3"0" Sandy shale 15' 0" Conglomerate 116'0" 18**8**8.0 1887.0 Sandy shale Conglamerate 1'0" 1' 0" 4' 0" 1886.0 Sandy shale 1882.0 Conglomerate 129' 0" 1875.0 108' 0" Shale 237' 0" 239' 0" 1767.0 1765.0 Shale, brown Sandy shale 158' 0" 397' 0" 1507.0 66' 0" Conglomerate 463' 0" 1541.0 5' o" Shele 468' 0" 1536.0 21' 0" Sandstone 489' 0" 1515.0 7' 0" Shale 496' 0" 1508.0 4' 0" 1' 0" Shale, with coal traces 500' 0" 501' 0" 1504.0 Shale, dark, coal traces in cavity 1593.0 11' 0" Shale, with coal traces 512' 0" 1492.0 42'10" Conglomerate 554' 10" 555' 0" 1449.2 COAL 1449.0 Conglomerate 563' 0" 1441.0 2' 0" 565' 0" Shale, brown, coal traces 1439.0 1' 0" 4' 0" 4' 0" 1' 0" 566 0° 570' 0° 571' 0° 575' 0° 576' 0° Shale, brown, coal traces 1438.0 Shale 1434.0 1433.0 Shale, with coal traces Shale 1429.0 Shale, with coal traces 1428.0 Shale, with coal mkgs. 40' 0' 616' 0" 1388.0 Shale , 19' o" 635' 0" 636' 6" 637' 0" 638' 0" 641' 0" 1369.0 1367.**5** 1' 6" 0' 6" 1' 0" 3' 0" Shale, brown Shale, brown and coal 1367.0 Shale, brown and coal 1366.0 Shale 1363.0 Conglomerate 49' 0" 699' 0" 1314.0 1'0" Shale 691' 0" 1313.0 Shale with coal traces 1312.0 2' 8' 1' 4' 6' 0' 1' 0" 694' 8" 696' 0 COAL 1309.3 Shale, dark 1308.0 Sandstone, hard Sandstone, dark 702' 0" 703' 0" 1302.0 1301.0 14' 0" Sandstone 717' 0" 748' 0" 719' 0" 1287.0 1' 0" Shale, blue 1286.0 1 0" Sandstone 12850 24' 0" Sandstone, some coal traces 743' 0" 1261.0 Sandstone 1, 0, 744' 0" 745' 0", 1260-0 Sandstone, with coal traces 1259.0 47' 0" Sandstone, some coal traces 792' 0" 1212.0 140' 0" Shale, with some coal traces 982' 0" (072.0 9' 4±" Trap rock 941' 4± 1062.6 Drilled: July - Sept. 22, 1891 By: Brown of Sullivan Machinery Co.

NEW VANCOUVER COAL CO. HAREWOOD

BORE HOLE 28

At Perry's shaft, near S.W. cor., Sect. 19, R.Z, Cranberry Dist., S.E. of Harewood mine

Scale: limen = 20 feet

SECTION	THICMNESS	DEPTH	MATERIAL	ELEVATION
	2' 0'	0' 0'	Surface gravel	2554-8
	4' 0"	6' 0'		Datum <i>12000' below 1</i> 2532.3
				2528.3
	32' 3"		Conglomerate, hard, coarse	·
	·			
	1 0"	38' 3" 39' 3"	Sandstone, fine, dk. grey, coal mkgs.	2496.0 2495.0
· · · · · · · · · · · · · · · · · · ·	9' 9"	49' 0"	Conglomerate, dark grey, coarse	2485.E
	18' 0"		Conglomerate, coarse and fine, dark grey	
	,	67' o'	ine, auth grey	2467.2
	21' 3"		Conglomerate, coarse and fine, light grey	
		<i>88</i> ′ 3″		2445.9
	15' 0"	-	Conglomerate, coarse, dark grey	
	0'5"	103' 9"	Conglomerate, fine	2430.4
	0 10	104' 2" 104' 3"	Shale, brown, parting	2480.0 2429.9
	29' 11"		Conglomerate, hard, coarse	
	23 11	:	and fine, dark grey, coal mhgs.	
	2' 0'	134' 2" 136' 2"	Conglomerate, dark grey, coarse	2400 0 2398.0
	7' 0" 2' 3"	143' 2"	Sandy shale, dark grey, coal mkgs. Shale, dk. grey, coal mkgs., fossile	2391.0
-	1' 3" 5' 5"	145 5° 146'8"	Sandstone, light grey	2388·7 2387·4
	84	149'11"	Shale, dk. grey, coal mkgs., fossils COAL, curly	2884.1 2878.6
	3' 9" 0' 3"	59' 0" 59' 3"	Shale, light and dark grey Shale, brown	2575-0
	0, 8,	159' 9"	Shale, light grey	2374.7 2374.2
	2' 0"	160' 6" 162' 6"	Shale, brown and coal, mixed Shale, dark grey	2575.4 2371.4
ĺ	6'0"	168' 6"	Sandy shale with coal mkgs.	2365.4
	0'3"	170° 2" 170° 5"	Shale, dark grey, with coal mkgs. Shale, brown	2363.7 2363.4
į	1' 0"	171' 5"	COAL, hard	23624
ľ	10'0"	172' 8" 182' 8"	Sandstone, dark grey, coal mkgs. Sandstone, coarse, gritty, It. grey	2361.1 2351.1
	12' 0"	184 11"	Sandstone, coarse, gritty Sandstone, light grey	28488
	0' 6"	196' 11"	Sandy shale, dark	2336.8 2336.3
	10' 1"	201 6	Sandstone, light grey	2326.2
	20' 6"		Sandy shale, dark grey	
	6' 6"	228' 0"	Sandstone, darkgrey	2305.7
		234' 6"		22.99.2
	23' 6"		Sandy shale, dark grey, coal mkgs	
Ì		222		
		258' 0"		2275.7
	25' o"		Sandy shale, darkgrey, with coal mkgs.	
		.	····· ya	
		283' 0"		2250.7
	69' 6"		Shale, dark blue	
			,	
		352' 6"		21010
	-			2181.2

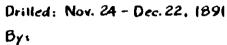
Drilled: Sept. 22 - Oct. 17, 1891 By:

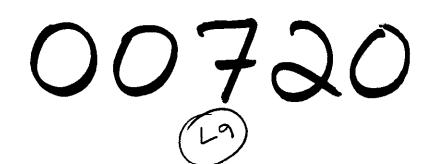
NEW VANCOUVER COAL CO. **HAREWOOD**

BORE HOLE 29

On old grade Harewood mine ry., 1900'E. of city reservoir, 3500'N. of tunnel entrance to Harewood mine.

			ch = 20 feet .	
SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
	4' 0" 3' 0"	q' o" 4' 0"	Collar of hole	2340.0
	3' 0"	7'0"	Hardpan,	Datum '2000'below M.
				2336 O 2333 O
	23' 0"		Cement, blue, softish.	
	·	30' O"		2310.0
	17' 3"		Conglomerate, fine and	
	1, 0	<u>.</u> .	coarse, dark grey, hard,	
	0' 2"	47' 3" 47' 5"	Shale parting.	2292.7 2292.5
	16' 4"	0	Conglomerate, fine.	
	10 4		Conglomerate, fine.	0.70
		63' 9"		2276.2
				Ì
	30' 0°		Conglomerate, fine and	
	,		coarse, dark grey, hard.	
	0' 9"	93' 9" 94' 6"	Sandstone, fine.	2246.0 2245.4
	0'9"	95' 3"	Sandstone, dk.grey, shaly bands.	2244.6
		•		
			,	
	70' 3"		Conglomerate, dark grey, hard, cogrse.	
			пит и , шчгов.	
			,	
	ļ. _			
	1' 6"	165' 6" 167' 0"	Sandy shale.	2174.3 2172.8
		(67' 0"		2112.0
	17' 3"		Shale, dark and light grey, with coal markings.	
	e' o"	184' 3"	Candy abole links	2155.5
	90	186 3	Sandy shale, light. Shale, dark and light grey,	2153.5
	2' 0"	195' 3"	with fossils. Shale, dk. brown, coal mkgs.	2144.5
	0' 6"	197' 3" 197' 9"	COAL and shale, mixed.	2142.5 2142.0
	4' 6"	202' 3" 204' 3"	Shale, dark grey. Shale, black, coal mkgs.	2137.5 2135.5
	3'0"	207' 3"	Sandy shale, light. Sandstone, dark grey, coal mkgs.	2132.5
	2' 6"	208' 9" 211' 3"	Shale, dark grey, with fossils.	2131.0 2128.5
	5' 0" 6' 0"	216' 3"	Sandy shale, dark grey. Sandstone, dark grey.	2123.5 2117.5
	2' 6"	224' 9"	Sandy shale, light. Shale, black, with coal mkgs.	2115.0
	0' 6"	225' 9" 226' 3"	Shale, black and COAL mixed.	2114.0
	2' 0" 3' 0"	228' 3" 231' 5 "	Shale, black, with coal mkgs. Sandy shale, with coal mkgs.	2111.5 2108.5
•	21' 6"		Shale, dark and light grey, with bands of shale with coal mkgs.	
	7' 0"	252' 9"		2087.0
	0' 6"	259' 9"	Sandy shale, light grey, coal mkgs. Shale, black, with coal mkgs.	2080.0
	1 3'	260' 3" 261' 6"	Shale, dark grey.	2079.5 2078.2
	5, 0,	263' 6" 264' 6"	Shale soft black with coal mkgs. Shale dark grey.	2076.2
	2' 0" 8' 3"	266' 6"	Shale, soft, black, with coal mkgs Sandy shale, It. vdk. grey, coal mkgs	2073.2
	2 3"	274' 9" 277' 0"	Sandstone, dark grey, coal mkgs.	2062.6
	14' 0"	291' 0"	Sandy shale, darkgrey, coal mkgs	2048.6
	2' 6"	293 6	Sandstone light grey coal mkgs. Sandy shale, dark grey.	
	0'2"	294' 0" 294' 2"	Conglomerate.	2045.4
	0' 6"	294' 10" 295' 4"	Shale, soft, black and coal, mixed COAL, clean.	2044.7 2044.2
	4' 0"	295' 6"	Shale, dark brown. Shale, light blue.	2044.0
	6'0"	299' 6" 305' 6"	Sandstone, dark grey.	2040.0 2034.0
	11, 10,	317 4	Shale, dark grey, coal mkgs.	2022.2
	1' 5"	329' 10"	Sandy shale, dark grey, coal mkgs	2009.7
	0' 4"	331' 3" 331' 7"	Shale, dark grey. Shale, dark brown.	2008.3
· — — — — — — — — — — — — — — — — — — —	3' 10"	335' 5" 336' 3"	Shale, dark grey, coal mkgs. COAL, clean.	2004.2
	1, 0,	337' 3"	Shale, light brown.	2002.4
	25' 3 "		Sandator - Datha 1 - 1	
,	25 3°		Sandstone, light grey, coal mkgs.	
	2' 0"	362' 6" 364' 6"	Sandy shale, dark grey.	1977.1 1975-1
	1 6"	366' 0"	Shale, dark grey.	1973.6
	5' 3"	367' 0" 372' 3"	Sandstone, light grey. Shale, dark grey.	1972.6 1967.3
	3' 9"	376' 0"	Sandy shale, light grey.	1963.5
1				_





00720(5)

NEW VANCOUVER COAL CO. NORTHFIELD

, , , , , , , , , , , , , , , , , , ,			ntain District (N.W.cor. Br nch = 20 feet.	own Estate.)	
SECTION	THICKNESS .	DEPTH	MATERIAL	ELEVATION	!
		0' 0'	Collar of hole	2337.3 Datum - "2000'below M.S.	۷.
	:	·			
			·		
	130' 0"		Gravel and cement.		
	,				
	13' 4"	130' 0"	Conglomerate.	2207.3	
		143' 4"		2194.0	
	10'10"	154' 2"	Sandstone and conglomerate	2183.0	
	30' 3"		Conglomerate.		
	13' 0"	184 5"	Conglomerate and sandstone.	2152.9	
	2' 4"	197' 5 " 199' 9"	Conglomerate.	2139.9 2137.6	
	22' o"		Sandstone and shale.		
	2' 0" 4' 2"	221' 9" 223' 9" 227' 11"	Sandstone. Shale, black.	2115.6 2113.6	
	1' 10" 4' 5" 0' 8"	227 11" 229' 9" 234' 2" 234' 10"	Sandstone. Conglomerate. Shale.	2109.4 2107.6 2103.2 2102.5	
	35' <i>0</i> "		Conglomerate.		
	0' 8"	269' 10" 270' 6"	Shale.	2067.5	
	1, 10,	272' 0" 273' 10"	Conglomerate. Sandstone.	2066-8 2065-3 2063-5	
	6' 0"	293' 9"	Conglomerate.	2043.6	
		299' 9"	Sandstone.	2037.6	
	17' 6" 2' 9"	299' 9"	Conglomerate.	2020.1	
	0'2"	320' 0" 320' 2"	Shale. COAL.	2017.3 2017.1	
į	22' 8"	342' 10"	Shale.	,	
	3' 0" 8' 0"	345' 10" 353' 10"	Sandstone. Shale.	1994.3	
	4'0"	357' 10"	Sandy shale.	1983.3	
	34' 10"		Conglomerate.		
			· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · ·	
	9' 3"	392' 8" 393' 4"	Shale.	1944.5 1943.8	
	2' 0"	402' 7" 404' 7"	Shale, black.	1934.5 1932.5	
	12' 0"	416' 7" 418' 7"	Shale, black, very soft.	1920:5 1918:5	
	22' II"		Sandy shale.		
	2' 3"	441 ['] 6" 443 ['] 9 '	Sandstone.	1895.6 1893.3	
	10' 4"	454 3"	Sandy shale. Sandstone.	1883.0	
	3, 10, 5 5 0	456' 7" 464 ['] 5"	Conglomerate.	1881.0 1872.9	
	9' 6"	465' 11" 475' 5"	Shale, black. Sandy shale and black shale. Shale.	1861-9	
,	1 2"	476' 11" 478' 1"	COAL.	1860.4 1858.4	
	30' 4 "		Shale.	·	
	1'8"	508'5' 510'1"	COAL,	1828.9	
	6' 3" 0' 9" 8' 0"	516' 4" 517' 1"	Sandstone. Shale, black.	1827.2 1821.0 1820.2	
	6' 4" 0' 4"	525' 1" 531' 5"	Sandstone. Sandstone with shale bands COAL.	1605.9	
	2' 7'		Sandstone. Shale. COAL.	1805.5 1802.9 1801.5 1800.6	
	0' 8"		Shale.	1799.9	
:	45' 3"		Sandstone.		
		582' 6"		1754-6	
	81' 6"		Sandy shale.		
	1				

664 0

1673.3

VANCOUVER COAL CO. No. I

BORE HOLE II
Near weigh house at wharf.

		Near	weigh	HOLE II house at wharf. IN.=20FEET.			
	SECTION	THICK NESS	DEPTH	MATERIAL	ELEVATION		
		11' 6"		- Collar of hole Sandstone with soft partings.	Datum 2000 belo	wM.S.L.	
			11 6				
		29 6	A1 ^	Sandstone.			
		5′0	46 0	Sandstone, soft, and sand.			:
	:						,
				Sandstone . 78'3"- 100'4", full of scams			
		216 1	;	100'4", full of scams and cracks. 115'4"-118'6"- jointy. 134'4"-182'7"- broken.			
		••	:				
				•			
			-Stee			-	.
						, continuentations of the continuent	a. Raine
			27.5				
			262 1				
		38 0		Sandstone and shale bands.			
			300 1	CL 1			
		20 3	320 4	Shale with bands of sandstone.		·	
		20 0	240	Shale			
		1 0 6 10 1 0	340 4 341 4 348 2 349 2	Conglomerate COAL. Sandstone			
		52 5		Conglomerate, fine.			
-			401 7				
		8 0 2 2 2 0 2 0 0 6 1 8	409 7 411 9 413 9 415 9 416 3	Sandstone. Shale, soft. COAL and shale. COAL.			
		0 6	415 9 416 3 417 11 418 5	Shale. COAL. Shale with coal markings.			
		16 6	434 11	Shale, soft and broken. Sandstone, with coal markings and veins.			
		8 8	448 9	Shale, soft.			
	,	50 0		Shale and . Sandstone bands			
			507 5	Shale and			
		22 6	529 11	Conglomerate bands, Very Soft.			
		29 3		Shale, with sandy bands and fine			
			559 2.	Conglomerate bands			
	·	7 2 8 8	559 2. 566 4 575 0	Shale. Sandy bands mixed with shale.			
		25 2	0	Shale with fine conglomerate bands.			
			600 Z				
		10 0	610 Z	Shale.	<u> </u>		

Elevation: 2013.7'
Begun: April 17, 1881.
Finished: May 27, 1881.
Driller: E.B. McKay.

			SO B No	ORE	HOLE	14 cline	CC).	· .		
	Section	THICK	n#ss	Depth		MATERIAL		ELEVATIO	N		
				0' 0'	- Collar	of hole —		 Datum =			
٠.			24' 0"	24 0	Sandy land bl	loam , grave lue clay.		2000'b	elowM.S.L.		
			156	39 6	Conglo and co	merate, fi parse alter	ne rnately				
			1 9 0 8	59 7 61 6 62 2		merate, coo nerate, fin one, light gr	e				
		2	8 4 0 2 2 7	70 6 70 8	Shale,	merate.		-			
			7 0	93 3 00 3 01 9 03 0 08 6		good, har brown.					
		· \	2 3 0 7 7 8	08 6 09 8 11 11 12 6	Shale, I Shale, I Shale, b COAL, s Shale, c and blue	brown ight grey. prown. caly ar she dark brow e.	'n				
 			8 3 7 6	30 2 38 5 45 11	Shale, q Conglom Conglom Shale, a	erate, fin erate, coar	e. /se				
			0 8 0 2 5 0	48 3	COAL, c COAL, c Fireclay Shale, d light bl Sandsto	al markin lean. / lark and ue. ne, fine, gr	gs.				
			1 10 2 4 1 6	2 7 2 11	Sandy Siblue and Coal ma COAL. Shale, was dark bro	hale, light d grey, wi urkings. with bands wn shale	th				
+			19	94 3 97 3	thick with marking Shale, become mix Shale, but Shale, but	th coal 15. Prown and	olue				
		Š	0 6 2 1 0 2 1	8 3	Sandston	ght blue.	•.	·			
		30	İ	6 10-	and fin blue sai alternat	ndstone, ely.					
		13	- 26	1 10	hale, blu hin ban	le , with br					
		16	3 27	7 4 5	hale, at	ie, light blu	le.			į	
		27 (29	S	andstone	e, light blue					
 		· · · · · · · · · · · · · · · · · · ·	32.5	۵	ind sand Iternate	y shale =.					
		31 0	356	þ	hale, blue lue sand	≥, with light Istone band	nt ds		-		
		120	-368 -370	50 50 10 C	andstone onglomer andy sho	ale with e bands. rate, fine.					
	·	6 o	-378 -384	10 Si	onglamer oal mark nale, blo	r and sand ternate				 -	; ;-··
		14 0 3 9 16 0	-406 -410	10 00 7 110 7 50	ue, and the fine onglomer blue	sandstone cgl. bands rate, coar: ile, light bl	se,				
		13 0	426	7 al be S bl	ternate, ands af andy she	with thin fine cgl. ale , light ss. alterno	ta				
		9 0	453	7= Si	indstone fine co	t blue, and with band inglomerate	Ì		,		
		3 9 2 6 5 6	475	7 50 50 10 51 4 51	andstone, andstand nale, bla	ckish. ht and					
		15 0	490	C	ark blu		Q				
		100	515 517	5 a s	nd sand hale, lig andston vith fin	r, light blue ly shale. Int blue. e, light blu e conglor	٤				
		16	524 5 524 5 533	7 5 4 1 5 3 1 5	hale, li lark blu landy sho landston	ands. ght and es. ale, light blue, light blue	ue.				
		10	549	5		glomerate			ਰ ਦ -		
		51	9		sandy sh	ale, light b	olue				
	, ,				∾ith Sar	rastone ba	as		·		
			— 611	7 -		,					
		55:	9		Sandy sh and dar	nale, light k blue.					
		3		7 4	Sandy sl blue, and	hale , light d sandstor	ne.				

Begun: Oct. 25, 1883 Finished: March 1, 1884. Driller: Thos. D. Jones.

Conglomerate, coarse and very hard

112 9

	<i>3</i> 7	<u></u>	
00720			W-15
			VANCOUVER COAL CO. NO. I MINE BORE HOLE 15 At foot of No. 2 Shaft, No. / Mine.
	· ·		SCALE: IIN. = 20 FEET. SECTION THICKNESS DEPTH MATERIAL ELEVATION O' O" — Collar of hole
			Conglomerate, coarse 2000'below M.S.L. Conglomerate, hard, afternately coarse and fine.
			Conglomerate, coarse and hard. 36 380 Conglomerate, coarse and very hard. 50 Shaley parting. Conglomerate, fine, with pebbles.
		·	Sandstone, grey, 1/4" bands of cong- lomerate. 46 71 6 Sandstone, fine, grey. COAL soft shelvey
			10 786 Sandstone, grey. Sandy shale - 4" of Coal at 80'0" 5 10 856 Sandstone, with sandy shale bands (s'6"+4") Shale. Shale.
			Shale, light blue. 106 Shale, light blue, with small bands of sandy shale.
			23 0 140 0 140 4 Shale, light blue. Shale, light blue. Shale, light blue.
			Sandstone, grey. Sandy shale Conglomerate.
			76 36 1810 Conglomerate. Conglomerate. Shale, light blue Shale, light blue Shale bands. Sandy shale bands. Sandstone, grey.
			Sandy shale with sands. 96 Sandy shale. 2176 Sandy shale with conglomerate bands.
			36 230 0 Sandy shale. Conglomerate, fine. 140 Sandy shale.
		·	Sandy shale, light blue, with 3 bands of fine conglomer- ate at 248.
			50 281 0 Conglomerate. 80 289 0 Shale, dark blue. 10 290 0 light blue. Conglomerate.
	•		1 0 308 0 Sandstone, fine. 7 0 316 0 Sandstone, fine and coarse, light. 2 0 318 0 Sandstone, light blue.
	·		323 0 with fine cong- lomerate bands. Sandy shale, blue, with light blue, fine, sandstone bands. Sandy shale, light blue, with fine cong-
			345 0 Sandy shale, light blue. Sandy shale. Sandy shale. Sandy shale. Sandy shale. Sandy shale with fine sandstone bands. Shale, soft with COAL. O 6 368 0 Shale. Sandy shale
			7 0 376 6 With coal markings. 3 0 3 0 380 0 Shale, light brown,
	,		Shale, light blue. Sandy shale, light and dark brown. 30 410 0 Sandy shale, light blue Sandy shale, light blue Sandy shale, light blue Sandstone, coarse.
			Shale, blue, with sandy shale bands. Shale, blue, very soft in blaces. Shale, blue. Shale, blue. Shale, blue. Sandstone, light blue.
			4 0 451 6 2 6 454 0 5 6 459 6 3 0 462 6 4 0 466 6 Conglomerate Shale, blue Sandstane, grey blue. Shale, blue. Shale, blue. Shale, blue, with Sandy shale bands.
			Shale, blue, with soft layers.
	·		70 505 0 90 514 6 Sandy shale and tine grey sandstone. Sandy shale. Conglomerate, coarse and fine. Conglomerate, coarse
		•	527 0
			Conglomerate, coarse and fine.
		·	
			50 601 0 Sandy shale, light blue. Sandy shale, light blue and brown. 76 622 6 Shale, light blue. Shale, light blue, and
			60 628 6 60 634 6 36 638 0 Shale, light blue, and brown sandy shale. Sandy shale, light blue. Shale, dark blue.
ing and the second of the seco	· · · · · · · · · · · · · · · · · · ·		Shale, blue, with sandy shale bands.
			50 688 6 Shale, blue, with thin bands of brown shale. Shale, blue. Shale, dark brown with coal markings.
			10 701 6 702 6 707 0 Shale, blue. Shale, blue, with thin bands of quartzite. 3 6 723 0 Shale, blue and brown.
			3 6 728 6 Shale bands. Shale blue, brown. Shale, blue, with
			755 6 Shale, blue. Shale, light and dark brown and black, with coal markings. Sandy shale bands.
			50 771 0 778 0 778 0 787 0 787 0 791 0 Sandstone bands. Shale, blue. Sandstone, fine, grey.
			32 0 Conglomerate, coarse.
			Conglomerate, coarse 190 Conglomerate, coarse Conglomerate, coarse Shale, dark brown, with coal markings.
			20 850 0 10 6 860 6 861 0 2 6 863 6 0 6 864 0 Sandy Shale, dark brown and blue. Sandy Shale, blue grey Sandy Shale, blue grey Sandy Shale, blue grey Sandy Shale, blue grey Conglomerate.
			Conglomerate, coarse. 880 6 Conglomerate, coarse, and sandstone. Shale, dark brown, with coal markings. Shale, dark brown. Shale, dark brown. Shale, blue.
			Shale, dark blue, with coal markings. Sandstone and shale alternately. Gonglomerate. Conglomerate, Coarse.
			Shale, dark, sandy, with coal markings. Shale, dark and light. Shale, dark and light. Shale, dark and light. Sandy shale and sandstone, dark, with coal markings. Sandstone, dark, with Sandstone, dark, with
			936 0 1 6 937 6 21 6 959 0 5 and stone, light grey. 5 6 964 6 8 6 973 0 Coal markings. Sandstone, light grey. Sandstone, prey-blue. Sandy shale, blue. Sondy shale, blue. with Sandstone bands.
en en en en en en en en en en en en en e	- · · · · ·		40 6 Sandy shale, blue.
			80 lo21 6 Sandy shale, blue, Small boulders with Small clam fossils.
			Sandy shale, blue. 90 1041 0 Sandy shale, blue, small boulders.
			Sandy shale, blue. 1068 6 Sandy shale.
			276 Sandstone bands.
			116 Sandy shale and sandstone bands
		3.	16 3 Sandy shale, blue Conglomerate, fine.
			810 Sandy shale, blue.
			1217 0
			46 6 Trap.**
			* By log "blue sandy rock with quartz
من د د منتخب میکند میکند د در در در در در میکند کرد.	,		mixed," above which is written "bottom of Cretaceous - G.M.D. "(awson). By log of B.H. 20 Dr. G.M. Dawson, Geological Survey was at that bore Nov. 2, 1889, hence he probably saw the core of this bore.
			Begun! Jan.4,1887. Stopped: Feb.5,1887. Resumed: Oct. 2,1888. Finished: June 14,1889.
			Finished: June 14, 1889.

	VA	NCO	UVE	R COAL C	Q.)-16
		8	ORE Bec. 10,	A ISLAND HOLE 16 Gabriola Is. SE cor. Secr. X		
	SECTION	THICKNESS	DEPTH	MATERIAL Collar of hole	ELEVATION	
		11' 6"		Drift	Datum- 2000'bela 2263.5	₩M.S.L.
		61 6		Shale, sandy, very		
			80 9	Soft		
		42 6		Shale, sandy.		
		34 1	123 3	Shale, sandy, very soft.		
. * *		19 5	157 4 176 9	Shale		
			•			
		100 6		Shale, sandy.		
		19 6	277 3	Shale and sand- stane, 3' thick at 285'.		
		44 6		Shale, sandy.		
		42 O	341 3	Sandstone.		
		15 9	383 3 399 0	Shale, sandy, Sandstone and shale:		
.•		49 6	410 3	Sandstone.		
		9 9	459 9 469 6	Sandstone and Shale.		
		22 0	480 6 492 0	Sandstone. Shale, sandy.		•
		23 0	514 0 537 0 547 6	Shale, sandy, and sandstone. Shale, sandy.		
		186	566 O 575 6	Shale and sand- stone. Shale. Shale and sand-		
			586 6	stone.		
		81 0		Sandstone.		
		6.4	667 6 673 10	Sandstone, hard.		
					5'	x
		171 5		Sandstone		
	·			•		•
	,	7.5	845 3 848 4 855 9	Sandstone and Conglomerate. Conglomerate, very hard. Conglomerate and		
1 .2		· 6 6 13 0 6 6	864 870 7 883 7 890	Sandstone. Sandstone Conglomerate and sandstone, very soft. Sandstone and sandy shale. Shale, Sandy.		•
		100	897 904 914 926	Shale and cong- lomerate. Conglomerate, sand- stone and shale. Shale and sand- stone.		
		9 2 4 7 12 10	939 II 949 I 953 8	Sandstone. Sandstone, 11(?) Shale, sandy. Shale and sand- stone.		
,		126	966 6 970 0 982 6 983 6 988 0	Shale. Shale, sandy. Conglomerate. Conglomerate and shale.		
		5 7	1010 I 1015 B 1020 8	Shale and sand- stone. Sandstone. Shale, sandy. Shale		
.5		40	1047 3 1051 3	Shale and sand- stone		
		41 I 9 6	1092 4 1101 10	Shale. Shale and sand- stone.		
· .		9 4 7 6 9 3	1111 2 1118 8 1127 11	Shale and sandy shale. Shale Shale and sandy shale.		
		47 11	A .	Shale.		
		11 2 30 4	1175 10 1187 0	Shale and Conglomerate.		
		6 2 8 0 5 0	1217 4 1223 6 1231 6 1236 6	Shale, very soft. Shale and cong- lomerate Shale, sandy, soft.		
		38 8	1275 E 1276 8	Shale Shale and sand- stone	•	•
		39 127 42 116	1280 5 1293 0 1297 2 1308 8	lougie and Saud-l		
		15 0 5 3 4 0 3 9	1312 9 1327 9 1333 0 1337 0 1340 9	Shale, Sandy. Shale, Sandy, with Sandstone @ 1336. Shale and conglomerate. Conglomerate and		
		40 26 43 20 40 50 87 42	1344 9 1347 3 1351 6 1353 6 1357 5 1362 6 1371 1 1375 3	Conglomerate and sandstone. Sandstone. Sandstone and shale. Shale. Shale and sandstone. Sandstone and conglomerate. Sandstone and shale. Shale very soft.		
						•
		78 6		Shale		
		90	1453 9 1459 11 1468 11 1477 11	Shale, very soft. Shale. Shale, very soft.		
•		7 5 5 6 7 6	502.7 510.0 515.6	Shale. Shale and cong- lomerate. Shale. Shale. Shale, very soft		
		80	523 O	Shale and sand- stone. Sandstone		
		22 4	570 4	Sandstone and shale, very soft. Shale		
		2 9	002 9	Shale and cong- lomerate. Shale, very soft. Shale.		
•		541	627 9 633 1	Shale and cong- lomerate.		
			682 6			
		28 3	1710 9	Shale, sandy.		
		94 0		Shale		
			•	*		
		4 3	804 9 809 0 815 5	Shale and sand- stone. Shale very soft.		

Shale.

Shale.

Driller: T. D. Janes

Begun: July 4, 1887.

Finished: May 4, 1889.

254.75

	17									*
00720							W	1-17		
			VA			R COAL C	<i>o.</i>	(15)		
÷ .			. B	ORE HO Sec. 16	LE 17(8, R.VII	NO. 1 NORTHFIELD T, Mountain Dist.	·)		,	
			SECTION	THICKNESS	DEPTH		ELEVATION			
				,	0, 0,	Collar of hole————————————————————————————————————	2357.3 Datum- 2000'beld			
				36' 0"		Gravel and cement.			:	,
				,				1		ا د
	,			15 0	36 0	Quicksand				
				80	51 0	Gravel and boulder clay.	-			
					59 0					
						•				
				103 3		Fine sandy and clayey sediment.				
									,	
				9 2	162 3	Gravel and clay.	2185.9			
				55 3		Conglomerate.				
				10.0	526 8		_			
		·		186	245 2	Sandy shale with sandstone bands.				
				15 3	260 5	Shale, grey blue.		**************************************		
•				17 0	277 5	Shale, grey blue, with coal markings and bands of brown shale.	2079.9			
		·		14 3	291 8	Shale, grey blue. Shale, grey blue and				
				2 6	294 2	brown, with coal markings.	2063.1			,
				35 0	·	Conglomerate.				
				18 6	329 Z				: :	
				20	3/7 9	Conglomerate, fine. Sandy shale. Sandy shale, light blue				
				20 6	370 2 371 2 374 2	and fine sandstone alternately. Shale, light blue. Shale, dark brown. Shale, dark, and				
				10 0	375 Z 385 Z	Sandy shale, light			:	ţ
				30		Shale, dark and light brown. Shale, grey blue with	•			
				66	409 8	Sandy shale bands. Shale, grey blue, with sandstone bands. Shale, brown, with coal markings.				
and the second of the second o				0 8	412 5	Shale, grey blue. Shale, brown, with coal markings. Shale, grey blue.	1946.9		<u></u> .	
	,			L\ ID 9 '	428 II 433 II	Shale, grey blue, with sandstone bands. Shale, soft. Conglomerate.				
				20	453 2	Conglomerate, coarse Conglomerate and Sandstone alternately Sandy shale, dark.			,	
				5 0 5 6 1 7 2 11	1465 0	Sandy shale, blue grey and sandstone bands Sandy Shale, blue grey Shale, dark brown COAL.	1890.0			
				13 9	470 II 484 B	Sandy shale, light brown with coal markings. Sandstone, fine, grey, with sandy shale bands Shale, dark brown,	18867			
				1\ 96	487 2 496 8 502 8	Sandstone, grey, with Sandstone, grey. Sandstone, grey. Sandstone, grey.	1870.1.			
				0 6	504 8 505 2	Shale, dark brown with coal markings. COAL, with shale mixed COAL (clean coal 3", coal 11"	1852.6 1852.1 1851.0			
		-		80	509 4 509 11 517 11	Shale, grey blue. Flinty boulder Shale, grey blue. Shale, light and dark, with coal markings.				
	·			04	525 11 529 7 529 11 535 11	Shale, dark brown. Flinty boulder. Sandy shale, grey brown Shale, brown.	1831.4			
				1 44	536 8 538 7 542 11	Sandy shale, dark and light brown. Sandy shale, light, with	1818.7			
				146		Sandstone bands. Sandy shale, dark. Sandy shale, dark brown and grey, with coal markings.				
en en en en en en en en en en en en en e				70	559 11 566 11 567 5	Sandy shale, light and dark brown, with sandstone bands. Shale and coal, mixed				!
				10	568 11	Sandy shale, dark. Sandstone, dark and light brown. Sandstone, grey. Sandy shale.		·		
				4 6	012 5	Sandy shale.				
			1							
				65 3		Sandy shale and fine sandstone bands.				
,				J 						
,			L	<u> </u>	677 8	<u> </u>	1697.6	I		
						-				

Begun: Aug., 1887. Finished: March 3, 1888.

*1*8

W-18

VANCOUVER COAL CO. NORTHFIELD

BORE HOLE 18
S.17, R. VII., Mountain Dist.

		Sc <i>ale</i> : :	I IN = 20 FEET.		
SECTION	THICK WESS	DEPTH	MATERIAL	Elevation.	
	9' 6*	0, 0,	— Collar of hole ————————————————————————————————————	2330.0	
* *************************************	17.0	96		2320.5	
	17 0	26 6 30 0	Conglomerate, coarse. Shale, blue.		,
	3.0	30 0	Snale, pige.		
	74 3		Conglomerate, coarse, clay parting with coal	·	
			markings at 97'0"-22730		
	·			, ;	
	2 3	104 3 106 6	Sandy shale.		
•	_14_6	,	Sandy shale, blue.		
•	100	121 0	Sandstone and sandy		:
	18 Q	139 0	Shale, alternately.	·	
	7 O 8 O	146 0	Sandy shale.	·	
-		154 0	Conglomerate.		
i	16 0	170 O	Conglomerate, fine		
	2 6 7 9 0 6	180 3	Conglomerate. Sandy shale with sandstone band. Conglomerate.		
	7.6	180 9 188 3	Conglomerate, fine. Shale, dark, and		
	8 3	191 9 200 0	Coal markings. Sandy shale. Shale, brown, with	2138.2	
	2 6 9 6	202 6	Coal markings. Sandy Shale.	2127.5	
	90	212 0	Sandy shale, with fine sandstone bands Shale, dark, with		
	7 4 0	222 0		21 68 .0	:
	/ / 	227 0 229 6 233 6	Shale, light. Shale, dark. Sandy shale.		
	\\4 Q	238 6	Shale, dark + light, band of fine conglomerate at 212' 0"		,
	15 0	246 6 261 b	Shale. Conglomerate, coarse.		
		266 6	Conglomerate, fine.		<i>(</i>
· · · · · · · · · · · · · · · · · · ·	A Maria Control of the Control of th	281 6	Conglomerate.		,
	26	284 0	Shale, dark, with coal markings. Soundy shale + sand -		
•	36	300 0 303 6	stone bands with coal markings. Sandy shale.	203 <i>0</i> .0	•
	26	306 0 307 9	COAL, clean	2024.0 2022.2	
	126	311 0	Shale, light: Sandy shale with sandstone bands.		•
	16	324 6 326 0	Sandy shale. Shale, dark, with Coal markings.	2004.0	
	1 5 0 2 0	331 6 333 6 335 0	Sandy shale Shale, dark. COAL and shale.	1196.5 1195.0	
· · · · · · · · · · · · · · · · · · ·	11 6	346 6 348 0	Sandy shale with sandstone bands. Sandy shale.		
***	16	349 6 356 6	Shale, dark, with coal markings, mixed. Sandstone.	1980.5	•
	06	363 0 363.6	Sandy shale light. Sandy shale dark. Sandy shale with) : :
	4 6	367 0 371 6 373 9 374 9	Sandstone bands. Sandy Shale, grey. Sandy Shale, alark. COAL.	1956.2 1955.2	
	10	374 9 375 8 376 8 378 6	COAL. Sandy shale, It brown, coal mikes.	1954.3 1953.3	î. •
	10 0	381 6 391 6	Sandstone, grey, coal mikigs. Sandy shale, dark+ light brown, Sandstone bands + coal mkgs.	1951.5 1948.5 1938.5	
	0 4	393 6 393 10 394 10 397 1 397 7	Shale, Soft, brown. Shale, light and dark brown.	1936. \$ 1936. Z 1932. 9	
	2.6	397 7 400 1 422 0	COAL Sandstone, dark + light brown, with coal markings. Sandstone, light blue.	1932.4 1929.9 1908.0	

Begun: April 13, 1888. Finished: June 2, 1888.

Abe

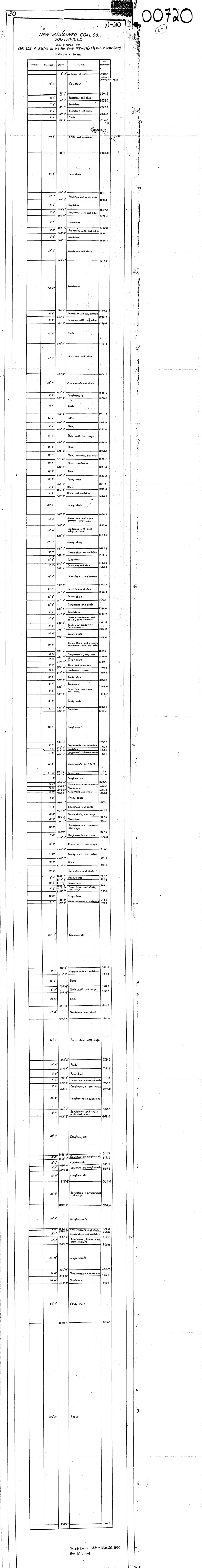
VANCOUVER COAL CO. NORTHFIELD

19

BORE HOLE 19 S.18, R.VII, Mountain Dist.

35 0 Cement, gravel, etc.	SCALE : IIN = 20 FEET.									
19'0" Complomerate, course, clay parting at 43'0". 19'0" Complomerate, course, clay parting at 43'0". 26	SECTION	THICKMESS			Elevation.					
19'0' Conglomerate, course, clay parting al 43'0'. 54 0 Conglomerate, course, and fine. 54 0 Conglomerate. 54 0 Conglomerate. 56 0 Conglomerate. 57 0 Conglomerate. 58 0 Conglomerate		· · · · · · · · · · · · · · · · · · ·	0, 0,	-Callar of hole	2364.6					
19'0' Conglomerate, course, clay parting al 43'0'. 54 0 Conglomerate, course, and fine. 54 0 Conglomerate. 54 0 Conglomerate. 56 0 Conglomerate. 57 0 Conglomerate. 58 0 Conglomerate					t					
19 0 Complomerate, course, clay parting al 43 or 54 0 Complomerate, course and fine 60 0 Complomerate Course and fine 76 0 Complomerate Course and fine 80 0 Complomerate Course and fine 80 0 Complomerate Course and fine 80 0 Complomerate Course and fine 80 0 Complomerate Course and fine 80 0 Complomerate Course and fine 10 0 0 Complomerate Co	•	3\$ ['] Ö [']		Cement, gravel, etc.						
19 0 Conglomerate, coarse, clay parting at 430". 54 0 Conglomerate, coarse and fine. 12 6 Sandy shale, light blue 2 6 10 0 0 Shale, blue brown, with 2 6 10 0 0 Shale, blue brown, with 2 6 11 0 0 Shale, blue brown, with 2 6 11 0 0 Shale, blue brown, with 2 6 11 0 0 Shale, blue brown, with 2 6 11 0 0 Shale, blue brown, with 2 6 11 0 0 Shale, blue brown, with 2 6 11 0 0 Shale, blue brown, with 3 10 0 Shale, blue brown, with 3 10 0 Shale, blue brown, with 4 10 15 0 Sandy shale, light blue 5 6 Shale, blue brown, with 5 7 0 Shale, blue brown, with 5 8 10 Shale, blue brown, with 5 8 10 Shale, blue brown, with 5 8 10 Shale, blue brown, with 5 8 10 Shale, blue brown, with 5 8 10 Shale, blue brown, with 5 8 10 Shale, blue brown, with 5 8 10 Shale, blue brown, with 6 1 Shale, blue brown, with 6 1 Shale, blue brown, with 6 1 Shale, blue brown, with 7 0 Shale, blue brown, with 8 10 Shale, blue brown, with 8 10 Shale, blue brown, with 8 10 Shale, blue brown, with 8 10 Shale, blue brown, with 8 10 Shale, blue brown, with 8 10 Shale, blue brown, with 8 10 Shale, blue brown, with 8 10 Shale, blue brown, with 9 0 Shale, blue brown, with 1 0 Shale, blue brown, with 1 0 Shale, blue brown, with 1 0 Shale, blue brown, with 1 0 Shale, blue brown, with 1 0 Shale, blue brown, with 1 0 Shale, blue brown, with 1 0 Shale, blue brown, with 1 0 Shale, blue brown, with 1 0 Shale, blue brown, with 1 0 Shale, blue brown, with 1 0 Shale, blue brown, with 1 0 Shale, blue brown, with 1 0 Shale, blue brown, with 1 0 Shale, blue brown, with 1 0 Shale, blue brown, with	,									
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26 0 Conglomerate, Coarse and fine. 10 10 0 Conglomerate. 10 10 0 Conglomerate. 10 10 0 Conglomerate. 20 0 Conglomerate. 20 0 Conglomerate.			35 0		725 A					
26 0 Conglomerate, Coarse and fine. 10 10 0 Conglomerate. 10 10 0 Conglomerate. 10 10 0 Conglomerate. 20 0 Conglomerate. 20 0 Conglomerate.		19, 0,		Conglomerate, coarse, clay parting at 43'0".	l I					
and fine. 100			54 0							
and fine. 100			1							
12 6 92 6 Conglomerate. Conglomerate.		26 0								
12 6 92 6 Conglomerate. Conglomerate.		,	00.0							
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10 10 10 10 10 10 10 10		1.0.0	92 6							
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10 104 0 Shale, dark, with 2260.6 60 110 0 Shale, light blue with Shale, light blue with Shale, light blue with Shale, light blue with Shale, light blue 2252.6 15 0 130 0 Shale, dark, cool migs 2252.6 15 0 130 0 Shale, dark, cool migs 2252.6 10 174 0 Sandy shale, light blue Conglomerate, light blue Conglomerate, light Sandy shale, light and dark brown, with Sandy shale, light and dark brown, with Sandy shale, light blue Conglomerate, Sandy shale, light blue Conglomerate, Sandy shale, light blue Conglomerate, Sandy shale, light blue Conglomerate, Sandy shale, light blue Conglomerate, Sandy shale, light blue Conglomerate, Sandy shale, light blue Conglomerate, Sandy shale, light blue Conglomerate, Sandy shale, with Sandy shale, with Sandy shale, light blue Conglomerate, Sandy shale, light Sandy shale, San			102 0	coal markings.	2262.6					
10		11	Ì	Shale, dark, with	22#0 F					
26 12 6 112 6 Shale dark Cool mays 2 252.6 15 0 130 0 Sandy shale light blue Sandy shale light blue Sandy shale light blue Sandy shale light blue Sandy shale light and dark brown Sandy shale light and dark brown Sandy shale light and dark brown Sandy shale light and dark brown Sandy shale light and dark brown Sandy shale light and dark brown Sandy shale light Sandy		1111		Shale, light blue with						
150 130 0			1112 6	Shale, dark, cool mkgs. Sandy shale, light blue.	2252.6					
19 6		\(\frac{1}{2}\)	130 0	blue and grey.						
156		,	139 0	Same Hall Brees						
156		19.6	·	Conglomerate.						
1			158 6							
10 76 182 6 Conglomerate. Conglomera	•	15.6	}	Conglomerate, fines						
14 6 82 6 68 3 0 68 3 0 68 3 0 68 6 68 3 0 68 6 68 3 0 68 6		10	174 0	Sandy shale						
14 6 Sandy shale, light and dark brown. 16 0		< 06	182 6	Conglomerate. Sandy shale.						
247 0 247 0 247 0 248 0 248 0 249 0 240 0 240 0 241 0 241 0 242 6 243 0 244 0 245 0 246 0 247 0 248 6 249 0 249 0 249 0 249 0 249 0 249 0 249 0 249 0 240 0 250 6 250 6 250 6 250 6 250 6 250 6 250 6 250 6 250 6 250 6 250 6 250 7 25		5 6	188 6							
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247 0 Sandy shole light and dark brown, with sandstone bands. 263 0 267 0 289 6 3 6 294 0 301 0 294 0 301 0 294 0 46 305 6 294 0 301 2 294 0 301 2 294 0 301 2 294 0 301 305 6 294 0 301 2 294 0 301 305 6 294 0 301 2 294 0 301 305 6 294 0 301 2 294 0 301 305 6 294 0 301 2 294 0 301 305 6 294 0 301 305 6 294 0 301 2 294 0 301 2 294 0 301 305 6 294 0 301 2 294 0 301 305 6 294 0 301 2 294 0 301 305 6 294 0 301 2 294 0 301 3 301 6 294 0 301 2 294 0 301 3 301 6 294 0 301 2 294 0 301 3 301 6 294 0 301 2 29		,	२०३ ०							
247 0 Sandy shole light and dark brown, with sandstone bands. 263 0 267 0 289 6 3 6 294 0 301 0 294 0 301 0 294 0 46 305 6 294 0 301 2 294 0 301 2 294 0 301 2 294 0 301 305 6 294 0 301 2 294 0 301 305 6 294 0 301 2 294 0 301 305 6 294 0 301 2 294 0 301 305 6 294 0 301 2 294 0 301 305 6 294 0 301 305 6 294 0 301 2 294 0 301 2 294 0 301 305 6 294 0 301 2 294 0 301 305 6 294 0 301 2 294 0 301 305 6 294 0 301 2 294 0 301 3 301 6 294 0 301 2 294 0 301 3 301 6 294 0 301 2 294 0 301 3 301 6 294 0 301 2 29			,							
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Sandy shale, light and dark brown, with sandstone bands. 20		44.0		Sandy shale, blue and grey.	•					
Sandy shale, light and dark brown, with sandstone bands. 20	A 1			· · · · · · · · · · · · · · · · · · ·						
Sandy shale, light and dark brown, with sandstone bands. 20		· · ·	. '							
16 0 263 0 267 0 267 0 267 0 289 6 289 6 290 6 36			247 0	Sandy shale light and						
226 2896 2896 2896 36, 2906 36, 2940 3010 3010 46, 3056 26, 3080 46, 3126 3130 2113 31511 316 317 318 319 310 324 3310 324 3310 3480 3500 3000 3000 3000 3000 3000 3000 3000 3000 3000 3000 3000 3000	·	16 0		dark brown, with						
1 0 290 6 Sandy Shale Idark Sandy Shale Ilight blue, with Sandstone bands Sandy Shale, with Sandstone bands Sandy Shale, with Sandstone bands Sandy Shale, with Sandstone bands Sandy Shale, with Sandstone bands Sandy Shale, light Sandy Shale, light Sandy Shale, light Sandy Shale, dark COAL, good, hard 2046.7 Sandy Shale, dark Loandy Shale, light Sandy Shale, dark Sandy Shale, dark Sandy Shale, dark Sandy Shale, dark Sandy Shale, dark Sandy Shale, dark Sandy Shale, dark Sandy Shale, dark Sandy Shale, dark Sandy Shale, dark Sandy Shale, dark Sandy Shale, dark Sandy Shale, dark Sandy Shale, dark Sandy Shale, dark Sandy Shale, light Sandy Shale, light Sandy Shale, light Sandy Shale, light Sandy Shale, dark Sandy Shale, light S		4 0	• • • • • •	Sandy shale, light blue.						
1 0 290 6 Sandy Shale, light blue, with sandstone bands. Sandy Shale, with sandstone bands. Sandy Shale, with sandstone bands. Sandy Shale, with sandstone bands. Sandy Shale, light Sandy Shale, light Sandy Shale, light Sandy Shale, light Sandy Shale, light Sandy Shale, light Sandy Shale, light Sandy Shale, light Sandy Shale, light Sandy Shale, light and dark blue. Sandy Shale, light Sandy Shale, light Sandy Shale, light Sandy Shale, light Sandy Shale, light Sandy Shale, light Sandy Shale, light Sandy Shale, light Sandy Shale, light Sandy Shale, black, and LOAL, Soft, and Shale, black, and Shale, black, and Shale, grey blue. Shale, grey blue. Shale, grey blue. Shale, grey blue. Shale, grey blue. Shale, grey blue. Shale, grey blue. Sandy Shale, grey grey grey grey grey grey grey grey		22 6		Conglomerate.						
1		\ //		Sandy Shale dark.						
1		L// /	294 0	with SandsTone bands.						
O				Sandstone bands. Sandstone, fine, grey.						
1 313 0 COAL good, hard. 2048.7 Sandy shale, dark hrew and light flue. Sandy shale, light and dark blue. Sandy shale, light and dark blue. Shale, light and dark blue. Shale, light and dark blue. Shale, light and dark coal. Shale, grey blue. 2018.1 COAL. Soft. and black shale. 2016.6 COAL. Soft. and black shale. 2016.6 Shale, grey blue. 2011.6 Shale, grey blue. 2011.6 Shale, grey blue. 2011.6 Shale, grey blue. 2011.6 Shale, grey blue. Shale, dark brown. 2001.6 COAL. soft. and shale light brown. 2001.6 COAL. soft. and shale. 1999.6 Sandstone, fine, grey blue. Sandstone, fine, grey blue. Sandstone, fine, grey blue. Sandstone, light brown. 1988.1 Sandstone, light brown. 1965.9 Sandstone, light brown. 1965.9 COAL. ceal, dark grey blue grey, fine grey shale, grey blue grey, fine grey shale, grey blue grey, fine grey shale, blue grey, fine grey shale, grey blue grey, grey blue grey, grey blue grey, grey blue grey, grey blue grey, grey			308 0	Sandy Shale. Sandy Shale, light						
324 1 Sandy shale, light and dark blue. Sandy shale, light and dark. 2031.9		2 11	313 0	COAL, good, hard.						
1 8 332 8 Shale, light and dark 2031.9 2029.7 346 Shale, light and dark 2032.9 2029.7 346 Shale, agrey blue 2018.1		7	324 11	brown and light blue.						
28 334 11 11 7 346 6 16 348 0 20 350 0 20 350 0 13 351 3 19 353 0 96 363 0 20 365 0 70 372 0 372 0 378 6 15 0 393 6 15 0		18	331 0 332 A	and dark blue. Shale, light and dark.	2031.9					
1 6 348 0 2014.6 348 2016.6 350 0 350 0 350 0 351 3 351 3 351 3 351 3 351 3 351 3 351 3 351 3 351 3 351 3 351 3 351 3 351 3 351 3 351 4 361 4		8 5	334 11	Shale, grey blue.	2029.7					
13 351 3 19 353 0 19 353 0 20 363 0 363 0 365 0 70 372 0 372 0 372 0 373 0 374 6 376 6 378 6 378 6 378 6 378 6 378 6 378 6 378 6 378 6 378 6 378 6 378 6 378 6 378 6 378 6 378 6 378 6 378 6 378 7 388 8 388 8 3 10 402 6 398 8 3 10 403 10 304 10 305 10 306 10 307 10 308 10 30		/ ,		LOAL, soft, and black shale						
19 353 0 96 362 6 Shale agrey blue. 20 365 0 COAL, soft, and shale 1999.6 COAL, soft, and shale 1999.6 COAL, soft, and shale 1999.6 Sandy shale, grey blue. Sandy shale, grey blue. Sandy shale, light grey. Sandy shale, brown, with coal markings. Sandy shale, blue grey, fine grey sendstone bands. Shale, grey blue and 1965.9 Sandy shale, blue grey, fine grey sendstone bands. Shale, grey blue and 1965.9 COAL, clean, hard, good quality. Sandstone, light brown, with coal markings. Coal, clean, good quality. Sandstone, light brown, with coal markings. Coal, clean, good quality. Sandstone, light brown, 1958.5 Coal, clean, good quality. Sandstone, light brown, 1958.5 Coal, clean, good quality. Sandstone, light brown, 1958.5 Coal, clean, good quality. Sandstone, light brown, 1958.5 Coal, clean, good quality. Sandstone, light brown, 1958.5 Coal, clean, good quality. Sandstone, light brown, 1958.5 Coal, clean, good quality. Sandstone, light brown, 1958.3 Coal, clean, good quality. Sandstone, light brown, 1958.3 Coal, clean, good quality. Sandstone, light brown, 1958.3 Coal, clean, good quality. Sandstone, light brown, 1958.3 Coal, clean, good quality. Sandstone, light brown, 1958.3 Coal, clean, good quality.		1 3		Shale, arev						
20 365 0 70 372 0 Sandy shale, grey blue. Sandstone, fine, grey, with coal markings and shale bands. 16 378 0 Sandy shale, light grey. Sandy shale, blue grey, fine grey sandstone bands. Sandy shale, blue grey, fine grey sandstone bands. Shale, grey blue and light brown. COAL, clean, hard, grey sandstone, fine, with markings. COAL, clean, good quality. Sandstone, fight brown, with coal markings. 1956.9 17 404 1 20 406 1 Coal, clean, good quality. Sandstone, light brown, with coal markings. 1956.9 COAL, hard. Sandstone, light brown with coal markings. 1956.9 COAL, hard. Sandstone, light brown with coal markings. 1956.9 Sandstone, light brown with coal markings. 1958.6		96	353 0	Shale grey blue.	2011.6					
Jandy Shale, arey blue. Jandy Shale, arey blue. Jandy Shale, light grey. Jandy Shale, brown, with coal markings. Jandy Shale, brown, with coal markings. Jandy Shale, blue grey, fine grey Sendstene bends. Jandy Shale, grey blue and Jandy Shale, grey blue and Jandy Shale, grey blue and Jandy Shale, grey blue and Jandy Shale, brown. Jandy Shale, brown, with coal markings. Jandy Shale, brown, Jandy Shale, brown, Jandy Shale, light brown, Jandy Shale, light brown, Jandy Shale, light brown, Jandy Shale, light brown, Jandy Shale, light brown, Jandy Shale, light brown, Jandy Shale, light brown, Jandy Shale, grey blue. Jandy Shale, grey blue. Jandy Shale, grey blue. Jandy Shale, light brown, Jandy Shale, light brown, Jandy Shale, grey blue. Jandy Shale, light brown, Jandy Shale, light brown, Jandy Shale, light brown, Jandy Shale, light brown, Jandy Shale, light brown, Jandy Shale, light brown, Jandy Shale, grey blue. Jandy Shale, grey blue. Jandy Shale, light brown, Jandy Sh		20	363 0 365 0	COAL, soft, and shale	8.001 6.eee1					
Shaly bands. 16 378 0 Sandy shale, light grey. 1988.1 15 0 393 6 Sandy shale, blue grey, fine grey sandstone bands. 1965.9 15 0 398 8 Shale, grey blue and light brown. 1965.9 17 402 6 Sandstone, fine, with markings. 1962.1 17 404 Sandstone, light brown, 1958.5 18 409 4 Sandstone, light brown, 1956.9 18 409 4 Sandstone, light brown, 1956.9 2 0 411 10 Sandstone, dark dight brown 1955.3 2 0 411 10 Sandstone, light blue. 1952.8 3 10 Sandstone, light brown 1955.3 18 409 4 Sandstone, dark dight brown 1955.3 2 0 411 10 Sandstone, light blue. 1947.1			372 0	Sandstone, fine, grey, with						
Sandy shale, brown, with coal markings. 15 0 393 6 Sandy shale, blue grey, fine grey Sandstone bands. 5 2 398 8 Goal, clean, hard, good quality. 1 7 402 6 Sandstone, fine, with 2 0 406 Sandstone, light brown, 1 7 407 8 Sandstone, light brown, 1 8 409 4 Goal, markings. 1 8 109 4 Sandstone, light brown, 1 9 56.9 2 0 411 10 Sandstone, light brown, 1 9 55.3 2 0 411 10 Sandstone, light brown, 1 9 55.3 2 0 411 10 Sandstone, light brown, 1 9 55.8 3 10 5 8 5 8 4 17 6 Sandstone, light brown, 1 9 5 6.9 2 0 4 11 10 Sandstone, light brown, 1 9 5 6.9 3 10 409 409 409 409 409 409 4 10 Sandstone, light brown, 5 8 4 17 6 Sandstone, light blue. 5 8 4 17 6 Sandstone, light blue.				shaly bands.	1988.1					
15 0 393 6 Sandy shale, blue grey, fine grey sandstone banks. 5 2 398 8 Shale, grey blue and light brown. 1965.9 1962.1 17 404 Sandstone, fine, with markings. 1960.5 1958.5 1956.9 1966.9				Sandy shale, brown, with cool markings.	1986 F					
3 10 402 6 1 7 404 Sandstone, fine, with markings. 1962. 1 7 404 Coal, clean, good quality. 1958.5 1 7 406 Sandstone, light brown, with coal markings. 1956. 9 1 8 409 4 Sandstone, light brown. 1955. 3 0 6 409 10 Sandstone, dark slight brown 1954. 8 2 0 411 10 With coal markings. 1952. 8 5 8 417 6 Sandstone, light blue. 1947.										
Sandstone, fine, with markings. 2 0 406 1 Sandstone, light brown, 1 7 407 8 with coal markings. 1 8 409 4 Sandstone, light brown. 1 8 409 10 Sandstone, light brown. 2 0 411 10 with coal markings. 5 8 417 6 Sandstone, light blue. 1952.8				COAL, clean, hard,						
1 7 406 Sandstone, light brown, 1956.9 1 8 409 4 Sandstone, light brown 1955.3 0 6 409 10 Sandstone, dark a light brown 1954.8 2 0 411 10 with coal markings. 1952.8 5 8 417 6 Sandstone, light blue. 1947.1-		17	404 1	Sandstone, fine, with markings.	1960.5					
2 0 411 10 with coal markings. 1952.8 5 8 417 6 Sandstone, light blue. 1947.1-		1 7	407 8	Sandstone, light brown, with coal markings.	1956.9					
5 8 417 6 Sundatione, light blue. 1947.1-		11	409 10	Sandstone, dark flight brown	1954.8					
•		W .		Sundstone, light blue.	L 1947.1-					

Begun! April 13, 1888. Finished: Sept. 1, 1888.



WESTERN FUEL CO. NO. 4 SLOPE

BORE HOLE 2
500' S.E. of junction of old and new Island Highways.

		SCALE:	11%			
Section	THICKNESS	Depth		MATERIAL	ELEVATION	•
		0 0	-	Collar of hole	04	
	10' 0			Surface??	Datum ~ 2000 beld	wM.S.L
	9 6	10 0	: I S	andstone, soft, shaley.]	
	6 0		1	eaves and coal mkgs, passed through a 4"		
			۔ ہ	Sand stone, soft.	1	
	5 0	30	⁵┝	Jana State ; 3011.	1	
		ļ	١.			
	31 6			oundstone, harder and		
	,	1	1	Coarser grained.		
		62	٥		<u> </u>	
	8 0		T (Sandstone, with dark bands.	1	
<u></u>	8 0	1 ' 🔻	٦:	Sändstone: with dark		
		78	아	sands and splits.	. .	
	14 0	4 92	아	Sandstone, hard. COAL, good, hard.	-	1
		92		Sandstone, hard, with		
	ا ع ا	94	9	nodules and partings	4	1
					ļ	1
•			1			
	36 5	3		Sandstone, hard.		
,						1
	 	131	아	Sandstone, hard, with	4	
	133			Soft bands and partings.		
(išp).	V	144	٦Γ	Sandstone, hard, fine 'grained from 144'5" to	,	
	19 4	` l .		150' 4" with white lime veins.	<u> </u>	
	3 9	163	9	Shale and running sandy clay.		
	2 (6	6	Shale-hard, dark, grey, with coal markings.		
		170	아	With Court markings:	┥	
				•	1	
	1				ŀ	
	55	3		Sandstone, hard.	1	
		-		. 4 . 7		
		225			_	
		- 225 3	9	Conglomerate, very fin mixed with bands	e,	
· · · · · · · · · · · · · · · · · · ·	+	227	0	of Sandstone.	-	
	io	9	اَ	Conglomerate and sandstone.	_[
	9	- 237 8	9	Sandstone and fine		ľ
<u></u>		247	5	Conglomerate.	-	
	ii	٥	اً	Sandstone, hard, with coal markings.	<u>`</u>	
		258	5	_	7	
	14	7		Sandstone and sand Shale	'Y	
	12	273	0	Sandy shale, hard	-	
	10	283	1	and dark,	_	'
	12	8		Sandstone , hard, dark Shaley, with bands	\.	
		295	9	of quartz.		'
	i 2 i	1		Sandy shale, dark, wi bands of "hornbeck"	, "	
		308	8	and quartz. Sandy shale, dark,	┥ .	
	10	319	6	Changing to dark		
	7	3		Sandstone , dark grey		
•	1	326	9			
					•	
	31	3		Sundy shale.		
100						
<u> </u>	_	358	0		-	
	15	4		Conglomerate, very soft and dark.		
	4	373	4	COAL, with a		
	7 4	6 377	10	1 Ch		
		1377	41	Shale Partly COAL, partly		
	3	6			1	•
	3	381	5	Soft Sandstone. Sandstone, with coo		
		6	5 5 5	Soft Sandstone. Sandstone, with coomarkings. Sandstone, Soft.		
	3 5	6 381 0 386	5	Soft Sandstone. Sandstone, with cook markings. Sandstone, Soft. Sandstone, with cook markings; much broke		

Begun: July 24, 1876. Finished: Oct. 14, 1876. Driller: E.B. McKay.



VANCOUVER COAL CO. SOUTHFIELD

BORE HOLE 3
On No. 1 Stope, Southfield, 20' inbye No. 3 Level East.

SECTION	THICKNESS	DEPT	гн	MATERIAL	ELEVATION	
		<i>d</i> (<u>,</u>	Collar of hole	D -1	
	,				Dalum - 2000 below	, p
	23' 0"			Surface.	, , ,	
		23 (•	Sandstone, jointy, with		
<u> </u>	9	32	,	Coal markings.		
	7 2	39	3	Sandstone and cgl., mixed in bands.		
	,					2.
	37 10		ŀ	Sandstone and dark		-
!	37 10		1	shale.		
		,	Į			•
		77 -	٠ 	Sandstone and a little		
	12 1	89	2	fine sandy shale — rock very jointy.		
			٦			
	į					
	38_0	·	•]	Conglomerate and sandstone.		
· · · · · · · · · · · · · · · · · · ·		127	ا ۽		<u> </u>	
	,	, - '	- [
	20 9			Sandstone, hard, fine.		•
· · · · · · · · · · · · · · · · · · ·		147	"			
:	16]			Sandstone, soft and fine conglemerate.		
	:	164	۰		-	
	<u>.</u>	· •		Sandstone, shaley		
400000	24 🗓			and shaley.		
·	,	188	,,			
	<u> 26</u> 1			Sandstone, dark, shaley		
		_				
		215	٥	· · · · · · · · · · · · · · · · · · ·	1	
	18 9	1		Sandstone, hard. 215'0'-225'3", quartz veins.		
		233	e	•		
. • *						
÷	20			Sandy shale, dark.233'S —241'9", mixed with		
	28 11			bands of sandstone.		
	<u> </u> _	262	8			
	19 4			Shale, dark and conglomerate bands.		
		282	0		.	
· · · · · · · · · · · · · · · · · · ·	6.7			Conglomerate, fine - Splints and quartz veins.		
	24	288	7	Conglomerate, with bands of whitish]	
·	\\	290	п	brown sandstone. Shale, with bands of	+3.	
•	14 7	293 307	3	fine conglomerate.	<u> </u>	
· · · · · · · · · · · · · · · · · · ·	122			Fireclay and dark shall with coal markings.		
	3 0		0	COAL. Fireclay.	-	
	97	331	8	Shale, dark, with	1	
	08	34 I 34 I	3	COAL.	-	
· .	12 7			Shale, dark, with coal markings.		
<u> </u>	10	354 355	6	COAL. Fireclay floor. Shale, dark, greenish,	1	
	19 9			and fine, soft, dark Sandstone. 367'8"—		
		375	3	375'3" with white quartz bands and veins	.	
	6.4	381	7	Shale, dark, greenish, with quartz veins. Shale dark greenish		
 	7 5	389	Ó	Shale, dark, greenish, with coal markings. Sandy shale, dark,	-	
	98	398	8	Sandy shale, dark, greenish. Sandy shale, with Coal markings.	1	
F	10	402 403	0	COAL.	_	
	6 10		10	Sandy shale, with coal markings.	┨.	
	19 4			Shale, greenish, with		
· . ·		429	2	quartz veins.	_	
		1				
•	21.0	1		Shale, soft, bands of	f	
	31 8			fine Conglomorate at 44		
		460	10			
		L+00	10	Sandstone , very fine	1	
. "	27.8		-	and soft, mixed with shale.		
	10	488	6	COAL, seft. Running]	
	20	489	6	Conglomerate and]	
	36	495	0	Shale, dork and soft.	1	J

00720

Begun: Jan. 8, 1877. Finished: March 17, 1877. Driller: E.B. McKay.

VANCOUVER COAL CO. SOUTHFIFLD

	_		HFIELD		;		
1100	0 ft. W. N	l.W. of	HOLE 4 S.W. corner of I.R.#2 IN.=20 FEET.	•			
Section	Thick NESS	DEPTH	MATERIAL	ELEVATION		,	
SECTION	THICK NE 63	0, 0,	- Collar of hole			i	
	12 0		Surface?	Datum - 2000 belo	wM.S.L.		
		12 0(?)					
	,						
		<u> </u>	·				
				-			,
	124 1	- 	Sandstone, hard, grey and brown.		- con minimum contraction		
·							
	9 6	136 1	Sandstone, with bands of darker shaley ss.		:		
	11 2	145 7	Sandstone, softer				
	2~ ''		Sandetone hard his				
	27 11		Sandstone , hard, white				
	16 5	184 8	Sandstone, hard, with Soft, dark bands.				
	13 2	201 1	Sandstone, hard and	1	**		
		214 3	Sand stone, Shaley.	-			
	16 1	230 4	Sandstone, hard, white				
	11 1	241 5	Sandstone and bands of dark, Sandy shale. Sandstone and sandy	<u> </u> /			
	6 3	246 7 252 10	3	1	·		
	15 6	268 4	Sandstone and conglomerate.				
	44 4		Sandstone, fine grained.				
				·			
	15)	8 518	Sandstone, shaley.	1			
	,	327 9		-			
,	ð5 5		Shale, dark. 338'8't 361'2" - sandy bands.	o			,
							-
	10 0	413 2	Shale, dark, with coal markings.				
	12 6	435 8	Shale, dark, with sandy bands				
	26 6		Shale, dark, with conglomerate bands				
	2 6	462 2 464 8	COAL Clay parting.	-			
	11 0	464 9 465 6 476 6	Shale, dark.				
	11 1	418 6	COAL. Shale, soft, light, dark with coal markings.	1			
		,,,,, (
	58 ()		Shale, soft. 510' 1" - 518'1"-whitish. Dark from 527' 4".				
	9 0	548 6	Shale, sandy and har	4			
	70	557 6 564 6	Coal markings. Shale, black, with coal markings.	-			
	12 0	576 6	Shale, dark and soft.				
	23 0		Shale, soft and broke Some sandstone from 593'6" to 599'6".				
		599 6	•				
	17 6	617 0	Shale and sandy partings.				
	96	622 6	Shale, greenish and broken.	_			
	9 0 7 6	635 6 643 0	Shale, broken. Shale, coarse sand- stone at bottom.	1			
,			Shale, soft, dark, with				
	33 6		a band of Sandstone about 652'9". 3" band of Sandston about 674'6".				
		676 6	Shale Soft dark				

Shale, soft, dark, with sandstone mixed.

Elevation: 49.7'??? Begun: April 25,1877. Finished: Oct.1,1877. Driller: E.B. McKay.

Shale, soft, black.

8 0

73

VANCOUVER COAL CO. CHASE RIVER

	Nor	th of				HOLE 5 River, E. of No. 3 Pit.		:	
ſ			3	CALE	: 11	N. = 20 FEET,	· · · · · · · · · · · · · · · · · · ·		
	SECTION	THICKNES	.	DEP 7	гн	MATERIAL	ELEVATION		
			O [#] OV	0,	- 1		Datum -		
	·	12	0(5)	12	- I	Surface?	waled 000S	M.S.L.	
		14	10			Sandstone.	·		
		10	5	26	10	Sandstone and shale with a band of coal			<u> </u>
		9	4	37		8" thick in it. Sandstone,			
		5	0	46 51	7 7	Sandstone, hard, white with quartz veins.			
		8	0	59	ı	Sandstone with shale bands. Sandstone, hard,			
		10	0		7	brownish, with quartz veins. Sandstone, hard.			
		4	2	72 77		Shale and sandstone. Sandstone, hard.			
			0	86 89		Sandstone, light grey.			
		\		כט	3				
		32	10			Sandstone, hard.			,
				122					
	,	15		16.6	`	Sandstone, hard with shale bands.		•	
		5	4		11	Sandstone, hard.			
				143	3				
		24	3			Sandstone, hard, with shale bands.			
				167	6		.		
		16	5			Sandstone , hard.			
				183	11	Sandstone , hard,	1		
		14	6	198	5	with shale bands.]		
	·.	. 8		207	4	Sandstone, hard, coarse.		:	
				214	11	Sandstone	1		
		13	6	228	5 ·	Sandstone, soft, with shale bands.			
		10		238		Sandstone, soft, brown.		of consistences (1999) to the disconnect Super	
		<u> </u>		246		Shale, soft, whitish. Shale, soft, with			
		\mathbb{Z}	0.	252	o O	Coal markings and Veins. Shale, soft.	-		
				253 258	5	Sandstone, hard. Sandstone, soft			
		18	۲	276	7	shale, band of coal 1'3" thick.			
		13	٥	289	. ,	Sandstone, coarse with soft shale bands.			
				289	7				
			•			Sandstone , soft,			
		37	ד			Shaley.			
				327	4				
		11	4			Shale, soft, with coarse sandy bands.			
•				338	Ö]	•	
		35	5			Sandy Shale.			
						,		•	
				374	1		_		
	**************************************					and the same of th		e over e everete a	
		56	u			Sandstone, hard. 394'11" - 401'6" - close and light in color.			
						i		,	Ì
		А	2	431	0	Sandstone, hard, coal	-		
		├ ─	9	439		markings and small conglomerate band. Sandstone, hard, with coal markings.			١
				446	11	Codi markings.			
		26	0			Sandstone, hard . 448'8 - 450'10", grey.	3*		
			9	472	11	San Jakara a Ch	4		
		-	2	479 485		Sandstone, soft. Sandstone.			
		10	6			Sandstone, hard.	}		
		8	2	416 504		Sandstone, fine in grain.			
		10	11	515	5	Sandstone , hard, close	ı.] '		
		17	11		J	Sandstone , hard.			
	ļ.		. 1	533	4				
		12	. <u>2</u>	545 546		Sandstone, hard, and conglomerate band(14	* 		
				546	J	Shale soft dark		an comment of	
		25	6			Sandstone, hard. 559'9" to 568'10"-quart veins.	12	·	
			<u>-</u>	572	6	venis.	-		
						Shale, soft, dark.			
	:	32	0			581'6" - 594'2" - Sandy Shale.			
				604		6			
		9	8	606	2	Sandstone, coarse, with coal markings.	-		
		12	. 6	615	8	Sandstone.			
		10	6	628	2	Sandstone, shaley,	1		
	<u> </u>	-		-638	8	Shale, dark, quart	2	ŀ	
		13	3	-651	i. II	veins. Shale and conglom			
		11	0	662		erate, fine shale			
			١ -						
		20	7	cor	E	Shale and cgl.			
			7 9	-686 -687	6	COAL SEAM. Shale, dark.	1		
			3 8	695		Sandstone, hard.			
			2 10	703 706		Sandstone, brown, fi conglomerate veins Sandstone and	ne,		
<u></u>			9 9	715		dark shale. Soft boring - probal soft shale.	oly		
) 4			Shale, soft, dark, wi coarse sandstone-	th		
		1.5	2 6	735	4	Shale, soft, with Coal markings and			'
			7 0	747		Shale, soft, greenish	_		
*) 10	754	10	Lwith coal markings	\dashv		
			2 10	765	8	Shale, soft, greenis Core broken up	_		
	Í	1 —		1,00	, 0	Shale and sandy	1	1	

Shale and sandy bands.

10 6

SOUTHFIELD

VANCOUVER COAL CO.

	6	ORE At No.	HOLE 6 5 Shaft.	
SECTION	THICKNESS	SCALE : 1	IN. = 20 FEET. MATERIAL	ELEVATION
		0, 0,	—Collar of hole —	
	5' 6 " 46 1	5 6	Surface Sandstone, shale bands 25'0"—43'4"	Datum- 2000'belowM.S.L.
	0 4	51 7 51 11	COAL.	
	•	·		
			•	
	174 2		Sandstone, shale bands at: 64'6"- 76'2"; 82'7"- 94'10"; 115'7" - 150'5"; 194'10"-209'6", with quartz veins at 170'8"-177'6".	
			•	
	0 3 (?)0 6e)	226 227 227 4 227 0	Conglomerate Sandstone. Shale, dark.	
1	_21 5	249 3	Sandstone	
	10_10	266 0 276 10	Sandstone, broken. Sandstone.	
3	11 3	276 10 277 10 281 T 292 10	Shale, dark, soft. Sandstone. Shale, dark, with coal markings.	•
	0 4 	308 lo 3 09 2	Sandstone. Conglomerate. Sandstone.	
	19 2	325 0 344 2	Conglomerate, fine.	
	_14 10	359 0	Conglomerate, fine and bands of Sandstone, mixed	
	30 3	389 3 390 3	Sandstone, with fine Conglomerate bands.	
	27 8	390 3	Sandy shale, soft and dark.	
		417 420	Sandstone.	
	35 4	456 3	Sandy shale, dark.	
	15 5 _ i i 5	471 8	Conglomerate. Conglomerate, with shale bands.	
	i 9 9	483 Î 502 lo	Conglomerate, with dark Shale bands full of coal markings.	
	9 5	512 3	COAL, good, hard. Shale, dark brown.	
		530 5 534 5	COAL, hard.	
	40 6	574 II 575 7	with coal markings. COAL, mixed with quartz.	
	12 0		Shale, with coal markings and quartz veins.	

Elevation: 2050[†] Begun: May 19, 1879. Finished: July 25, 1879. Driller: E.B. McKay.

Shale, soft, dark.

VANCOUVER COAL CO. CHASE RIVER



		BORE	E RIVER		
	Vear shaft		Mine (Chase River) IIN = 20 FEET		_
SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION	,
	0' 9" 0' 9" 4 5	0' 0" 0 9 5 2	Collar of hole Casing. Surface.	-Datum -	1
	16 5	5 4	Conglomerate, hard, joint, with loose partings.	-2000'bel	owMSL.
	8 9	21 7			
	8 8	30 4	Conglomerate, hard. Shale bands with fine conglomerate.		
	9 7	39 0 48 7	COAL.		
	9 0	48 7 48 10	Coarse Conglomerate, and Shale and Conglomerate.		
	24 2	57 10	Sandstone and		
- · · · · · L ·	* <u>-</u> - 7 - 7	88 0	Conglomerate		
	14 0	96 0	Sandstone. 89'8" — 91'2', a band of black quartz, very hard.		
	18 0		Conglomerate.		
		114 0	Sandstone, with		
	3 3	128 0	Coal markings. COAL, with parting 11" in centre.		
	13 3	131 3	Shaley sandstone.		
	9 2	153 8	Shale, soft, with coal markings.		
· 	11 8	165 4	Shale, soft.		
	13 9	179 1	Blue, shaley rock.		
		- ·			
•	59 8		Shale, soft, very much broken up.		
· · · · · · · ·		238 9			
	20 6	,JO J	Clay saft ab la		
		259 3	Clay, soft, shaley.		
					·
			,		
	108 4		Shale and fireclay, very soft.	•	,
		•	•		
	3	367 7			
	14 0	81 7	Shale, dark, soft.		
	3	90 9	Sandy shale, hard. Sandstone, with		
	2 3	100 6 101 0	White quartz veins. Shale, dark. Sandstone, with		
		103 3	white quartz veins.	·	
		27 6	Shale, hard, blue.		
	80	35 6	Shale, softer.		
	240		Sandy shale.		
·		159 6			
	16 0	75 6	Sandstone, with shale bands, hard.		
	15 8		Conglomerate, very dark with shale bands.		
	9 4	191 2	Sandstone and Coarse Conglomerate, very dark.	-	
	30 2	ŀ	Sandy shale.		
	5	30 8			
	29 4		Sandy shale, soft.	3	
	5	60 0			
	20 0		Shale		·]
	i	80 0			
	11 2	91 2	Shale, very soft		
	23 4		Shale , soft.		
	76		Shale, dark blue and a little harder		
	6	22 0			
	55 3		Shale, soft, broken.		
,	6	77 3			
	15 10		Shale.		
:	6	93 -	Shale, very much	·	

Shale, very much broken up and very soft.

Shale.

712 1

752 11

W-8

VANCOUVER COAL CO. SOUTHFIELD

BORE HOLE 8
Near No. 4 Slope, Southfield.

SCALE : IIN = 20 FEET.

Section	THICK NE SE	DEPTH	MATERIAL	Elevation
, ,		0, 0,	— Collar of hole ————	Datum - 2000 below M.S.L.
	25' 0"	:	Surface.	
	5 0	25 0 30 0	Sandstone and a small seam of conglomerate.	
	11 0	41 0	Sandstone.	
	36 8	·	Shale, soft.	
	· - · · · -	77 8		
	10 4	88 0	Shale and sandy bands.	
	iso	100, 0	Sandstone - narrow Shale bands.	
	11 10	111 10	Shale and	
	40	126 4 130 4 130 7 131 4	conglomerate, dark and fine. COAL, good, hard. Soft dirt parting.	
	0 3 0 9 18 11	130 4 130 7 131 4	COAL, good, hard. Shale	1
	20	150 3 152 3	COAL, soft	-
	10 2	J _{162 5}	Conglomerate; hard and fine.	

Elevation: Begun: Feb. II, 1880. Finished: Feb. 24, 1880.

VANCOUVER COAL CO. HARE WOOD

	1		vood road, near school l	· T	1
SECTION	THICKNESS	Овртн	MATERIAL	ELEVATION	
		-0' 0"	- Collar of hole	Datum -	
ı	'			2000'belo	wmsl.
·			•	s.••	
·	114 0		Surface		
					·.
•					ı
in		114 0	Sandy shale, hard.		·
	7 7	121 7	Sandy shale, hard, greenish.		
	20 5	142 0	Shale, fine, soft, with shaley partings.		
	6 5	148 5	Shale and conglom- erate, mixed. Conglomerate, fine		
	16 7	165 0	and soft.		
					•
. •	79 9		Shale with coal markings. 181'1"- 218'9" with		
			5andstone bands		
				. A	
		244 9			
	20 3		Shale and blue Sandstone bands		
		265 0	Sunda Jones Dunius.		
	38 0		Conglomerate .		
	36 0		Conglomerate, Coarse and hard.		
		303 0	•		
	13 1	316 1	Shale] ,
			Canada		
	45 9		Conglomerate, Coarse and hard.		
		361 10	Shale, with coal		·
	20	364 10 366 10	Sandstone, with		
	22.4		Shale with coal markings.		
	10 3	389 2	Sandy shale with coal markings.		
	10 0	399 5 409 5	Shale with a band of grey sandstone I'thick.		
	15.7	425 0	Shale. Shale, soft, dark,		
	3 10	1430 10	Shale Conglomerate.		,
	2 6 4 7	438 4 440 10 44 5 5	Shale. Sandstone, grey.		i.
÷	•				
•	414		NO RECORD.		
		486 9		·	
	118	498 5	Conglomerate.		
	10 10	499 5 510 3	Shale, dark, with coal markings.		
	10 2	517 3	Sandstone, fine, grey and conglomerate. Conglomerate, fine, hard.		
		527 5			
	42 6		Conglomerate, hard,		
are est			Coarse		<u> </u>
	3 0	569 572	Shale.		
	18 10	F0.	Shale and coal markings		
.1	128	591 9	Shale, darker.		
	19 0	604 5	Sandstone, fine,	.	
		623 5 626 5	grey. Shale.		
	76	634 2	Shale, with coal markings and small shells.		
		,			
	•		:		• 1
	104.11		Shale, soft, with shell markings at 668'8"-681'6"		
•			668 G - 6816 -		
				eta e	
		739 l	:		•
	18 8		Conglomerate, hard, greenish and coarse.		
		757 9			

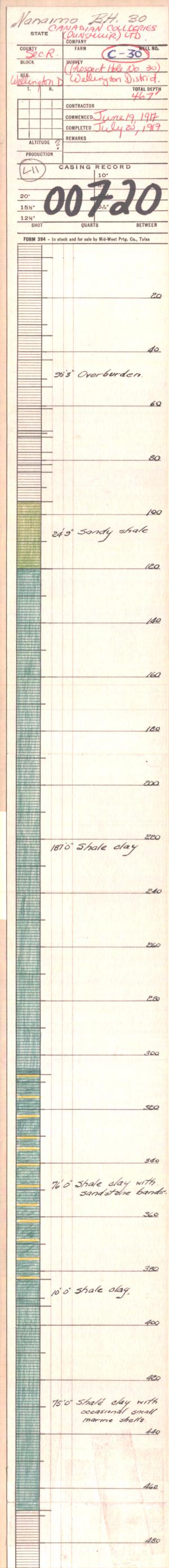
Conglomerate.

25 11

VANCOUVER COAL CO.

V

· \	•	Å BORE	R CUAL CU. lo. HOLE 10 Shaft, Esplanade.		
			IN = 20FEET.	i	Ì
SECTION	THKKNESS	DEPTH	MATERIAL	ELEVATION	·
•	18' 6"		- Collar of hole	Datum - 2000 belo	wmsl.
	<u></u>	18 6	Sandstone.		:
		29 6			
:	- 35 10		Sandstone, with shale bands. At:- 48 feet 2" coal. 60 6" "		
		65 4			•
·	i6 i		Sandstone, with Coal markings, At 77 feet 12" soft		
·	11 9	8i 5 93 2	Sandstone, hard.	·	
	6 io	100 0	Sandy shale in bands. COAL. Sandy shale in		
	63	107 3 ·	bands.		
		•			
					; ;
			!		
	•				
	233 6	•	Sandstone, with		
	ದ ವರ ರ		Shale bands 226'9" - 271'1" and 299'0" - 321'3".		
·			·		
•	y		•		•
•					
·					
		340 9			
	18 0	358 9	Sandstone and sandy shale.		
	35 3		Sandy shale, dark, with light specks.		
		394 0			
			! :		
	66 8		Š, i.i.		
		•	Sandstone, hard, jointy.		
·	12 6	460 8	Shale, soft.	,	
		473 2			
			· · · · · · · · · · · · · · · · · · ·		
·	51 10		Sandstone, hard, jointy.		
					l · · .
		525 0			
				·	
•	59 Ö		Shale, soft.		
		584 0			
	0 4	584 4	Conglomerate, dark, fine. Shale, soft.		
	0 10	599 3 600 1	Shale and cong- lomerate bands. COAL, good, hard, looks like coal from		
	101	610 2	No.1 bore.		
	26 4		Conglomerate, hard, coarse, jointy.		
Ī·	1	1000	L:	1	Ī



W-2

WESTERN FUEL CO. NO. 4 SLOPE

BORE HOLE 2 500' S.E. of junction of old and new Island Highways.

Scale: IIN = 20 FEET.										
SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION						
	10 0 9 6 6 0 5 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Surface?? Sandstone, soft, shaley. Shale, soft, dark, full of leaves and coal mkgs., passed through a 4" seam of coal. Sandstone, soft.	Datum - 2000 belowM.S.L.						
	31 6	62 O	Sandstone, with dark							
	8 C 14 O 0 8 2 I	78 0	Sandstone: with dark bands and splits. Sandstone, hard. COAL, good, hard. Sandstone, hard, with nodules and parting:	5.						
	36 5	131 0	Sandstone, hard.							
	_\//	163 9	Sandstone, hard, with							
		3	Sandstone, hard.							
	9	3 - 227 9 - 237 8	Conglomerate, very firmixed with bands of sandstone. Conglomerate and sandstone. Sandstone and fine conglomerate. Sandstone, hard, with							
	10	258 7 273 1 283	Sandstone and sand shale Sandy shale, hard and dark. Sandstone, hard, dark shaley, with bands of quartz.							
		308 319	Sandy shale, dark, wibands of "hornbeck and quartz. Sandy shale, dark, Changing to dark Sandstone. Sandstone, dark grey							
	15	3 358 -4 373	Conglomerate, very soft and dark.							
	4 0 3 5 5 5	6 377	COAL, with a stone parting need the bottom. Shale: Partly COAL, partly soft sandstone. Sandstone, with commarkings. Sandstone, soft. Sandstone, with coal markings; much broke.	y al						

Begun: July 24, 1876. Finished: Oct. 14, 1876. Driller: E.B. McKay.



W-3

VANCOUVER COAL CO. SOUTHFIELD

BORE HOLE 3
On No. 1 Stope, Southfield, 20' inbye No. 3 Level East.

		SCALE .	: 11	N. = 20FEET.		
SECTION	Thickness	DEPT	TH	MATERIAL	ELEVATION	
		ď	5"	Collar of hole	Datum -	
				·	2000 beloi	vM.S.
	23' 0"			Surface.	,	
		23 (۰ 	Sandstone, jointy, with		
•	9	32	,	Coal markings.	-	
	7 2	39 3	3	Sandstone and cal, mixed in bands.		
	,					2.5
	27 10		ł	Sandstone and dark		-
	37 10			shale.		
		,	ļ			•
		77 -	!	Sandstone and a little		
	121	00		fine sandy shale -		
		89 (2			
	į				i !	
·	38_0			Conglomerate and Sandstone.]	
		127	,		ļ l	
	,	·-· '	-			,
	20 9			Sandstone, hard, fine.		
		147	۱۱ ا			
	16 1			Sandstone, soft and fine conglemerate.		
	:	164 (0	vija vergjansteleja.		
		·. ·		Sandstone, shaley		
& () ()	24 🗓			and shaley.		
		188	,,			
	26 1			Sandstone, dark, shaley		
			اٰ			
		215	٥		1	
	18 9	1		Sandstone , hard. 215 0'- 225'3", quartz veins.		
·		23 3	9		.	
· *						
	28 11			Sandy shale, dark.233's -241'9", mixed with	* · · · · · · · · · · · · · · · · · · ·	
	11 22			bands of sandstone.		
	<u> </u>	262	8		1	
	19 4			Shale, dark and conglomerate bands.		. `
		282	o		-	
	6.7			Conglomerate, fine - Splints and quartz		1
	2.4	288	7	Conglomerate, with bands of whitish.		
₹.	3 0	290	11	brown sandstone. Shale, with bands of	-, ,	
•	14 7		3 10	fine conglomerate.	1	
,	122			Fireclay and dark shall with coal markings.]	
	30	323	0	COAL. Fireclay.	} '	
<u>,,</u>	.9 7	331	8	Shale, dark, with	1	
	08	341 341	3 	COAL.	1	
· ,	127			Shale, dark, with coal markings.		
<u> </u>	10	354 355		COAL. Fireclay floor. Shale, dark, greenish,	}	
	19 9		٠	and fine, soft, dark Sandstone 367'8"—		
		375	3	375'3" with white guartz bands and veins	_[_	
. ,	7.5	381	7	Shale, dark, greenish, with quartz veins. Shale, dark, greenish,	-	
· · · · · ·	7 5 9 8	389	Ó	with coal markings.	1	
	98	398	8	Sandy shale, dark, greenish. Sandy shale, with Coal markings.	1	
	10	403	0	COAL.	1	
· · · · · · · · · · · · · · · · · · ·	6 10		10	Sandy shale, with Coal markings.	┨.	
	19 4			Shale, greenish, with		
• . •		429	2	quartz veins.	1	
			,			
	31 0			Shale, soft, bands of		
	31 8			fine Conglomorate at 44		
		460	10		<u>.</u>	
			,,	Sandstone, very fine	1	
• •	27.8		_	with shale.		
	- 10	488	6	COAL, soft. Running]	
	20	489 491	6	Conglomerate and		
	3 6	495	0	Shale, dork and soft.	.1	J

00720

Begun: Jan. 8, 1877. Finished: March 17, 1877. Driller: E.B. McKay.

VANCOUVER COAL CO. SOUTHFIFLD

1100	E	ORE	HFIELD HOLE 4 S.W. corner of I.R.*2				
			IN. = 20 FEET.				
SECTION	THICK NESS	DEPTH	MATERIAL	ELEVATION			
		0, 0,		Datum-	Mel		
	12 0	12 019	Surface?	2000 belo			
			• • •		·		
					, .		
				- - -			
	124 1		Sandstone, hard, grey				'
			and brown.		E or management		
·							
		126	·				
	9 6	136 1	Sandstone, with bands of darker shaley ss.				
	11 2	156 9	Sandstone, softer	+			
	27 11		Sandstone , hard, white				
		184 8					
·	16 5		Sandstone, hard, with Soft, dark bands.				
	13 2	201 1	Sandstone, hard and sandstone, shaley,	1			
	16 1	214 3		-			
	16 (230 4	Sandstone, hard, white				
-17-1	5 2	241 5	Sandstone and bands of dark, Sandy shale. Sandstone and Sandy shale.	<u> </u> -			
	6 3	246 7 252 10	Sandstone with soft partings.	1	·		
	15 6	268 4	Sandstone and conglomerate.				
	44 4		Sandstone, fine grained.				
	15.1	312 8	S				
	15	327 9	Sandstone, shaley.	-			
			Shale dark 338'8't				,
	85 5		Shale, dark. 338'8't 361'2" — sandy bands.			Į	.
*, ***********************************	10 0	413 2	Shale, dark, with	$\frac{1}{2}$			
	12 6	423 2	Shale, dark, with	-			
		435 8	Shale, dark , with	1			
	26 6		Conglomerate bands and coal markings.				
	2 6 0 1 0 9	462 2 464 8 464 9 465 6	COAL Clay parting. COAL.				
	11 0	476 6 478 6	Shale, dark.		,		
	11 1	489 7	Shale, soft, light, dark with coal markings.	ļ ·			
	58 ()		Shale, soft. 510' 1" - 518' 1" - whitish. Dark from 527' 4".		·		
		<u> </u> 	And the second of the second o				
	9 0	548 6	Shale, sandy and hard	4			
	70	557 6 564 6	Shale, black, with coal markings.	1			
	12 0	576 6	Shale, dark and soft.	-			
	23 0		Shale, soft and broke Some sandstone from 593'6" to 599'6".				
		599 6	•				
	17 6	617 0	Shale and sandy partings.				
	9,6	622 6	Shale, greenish and broken.				
	9 0 7 6	635 6 643 0	Shale, broken. Shale, coarse sand- stone at bottom.	}	·		
		73 0	Shale, soft, dark, with				
	33 6		a band of sandstone about 652'9". 3" band of sandstone about 674'6".				
		676 6	Shale Soft dark				

Shale, soft, dark, with sandstone mixed.

Elevation: 49.7'??? Begun: April 25,1877. Finished: Oct.1,1877. Driller: E.B. McKay.

Shale, soft, black.

8 0

73

VANCOUVER COAL CO. CHASE RIVER BORE HOLE 5 North of Nanaimo River, E. of No. 3 Pit. SCALE : IIN. = 20 FEET. MATERIAL ELEVATION SECTION THICKNESS DEPTH 0, 0, -Collar of hole-Datum -12'0(?) Surface? 2000 below M.S.L. 12 0 14 10 Sandstone. 26 10 Sandstone and shale with a band of coal 8" thick in it. 10 5 37 3 Sandstone. 9 4 46 7 Sandstone, hard, white with quartz veins. 5 0 51 7
Sandstone with shale bands.
Sandstone, hard, brownish, with quartz veins.
59 7
72 9
Sandstone, hard. 8 0 10 0

•		2	_27_		quartz veins. Sandstone, hard. Shale and sandstone		
		2	77	1	Sandstone, hard.		
	3	0	86	- 1	Sandstone, light grey.	i	
	32	10			Sandstone, hard.		
,			122	\	Sandstone, hard with		,
	15	10	137	11	Shale bands.		
	5	4	143	3	Sandstone, hard.		
	24	٦ .			Sandstone, hard,		
	<u>د</u> - ۲	,			with shale bands.		
			167	6		•	
	16	5	102	,,	Sandstone, hard.		
	14	6	183	11	Sandstone , hard,		
			198	5	with shale bands.		
· .	. 8		207	4	Sandstone, hard, coarse.		
· · · · · · · · · · · · · · · · · · ·	7	7	214	11	Sandstone.		
	- 13	6	220	_	Sandstone, soft, with shale bands.	,	
	10	1	228	5 ·	Sandstone, soft, brown.		mil i makaka manimaka ili i iliyani
	7	6	238 246		Shale, soft, whitish.		
	6	0.			Shale, soft, with Coal markings and Veins.		
	15	<u>0</u>	252 253 258	0	Shale, soft. Sandstone, hard.		
	18	2			Sandstone, soft shale, band of coal		
			276	7	1'3" thick. Sandstone, coarse		
	13	0	289	7	with soft shale bands.		
				-			
		_			Sandstone , soft,		
	37	9			Shaley.		
				į			
	11	4	327	4	Shale, soft, with		
			338	8	Coarse Sandy bands.		
•							,
	35	5			Sandy shale.		
			374	1			
							- 44
	56	n			Sandstone, hard. 394'11" - 401'6" - close		
					and light in color.		,
			431	0	1. 1		
	8	2			Sandstone, hard, coal markings and small conglomerate band.		
	7	9	439 446	2	Sondstone, hard, with coal markings.		
					C 1.4 - 1 440'0"		
	26	0			Sandstone, hard . 448'8" - 450'10", grey.		
	6	9	472	11	San data a ch		
	-	2	479 485		Sandstone, soft. Sandstone.		
	10	6	1403	10	Sandstone, hard.		
	8	2	416		Sandstone, fine in grain,		
	10	11	504	6	Sandstone, hard, close.	<u></u>	
			515	5			
	17	' 11			Sandstone , hard.		
	12	2 2	533	4	Sandstone, hard, and	1	
	- 0		545 546		COAL.		
	25				Shale soft dark		
	"	5 6			Sandstone, hard. 559'9" to 568'10"-quartz veins.		
	1		572	6		-	
					Shale, soft, dark.		
	32	2 0			581'6" - 594'2" - Sandy Shale.		
			604	Ŀ			
	,	8	606	2	Sandstone. Sandstone, coarse,	1	
		2 6	615	8	with coal markings. Sandstone.	1	
	'	_ 0	628	2		1	
<u> </u>	10	6	638	8	Sandstone, shaley, quartz veins.	4	
	13	3 3			Shale, dark, quartz		
	1 1	0	651	11	Shale and conglom- erate, fine shale	1	
·	ļ		662	. 11	hande minad	1	
	20	0 7			Shale and cgl.		
		1 0	-686	6	COAL SEAM.	_	
		7 9	-687 -695	6	Shale, dark.		
		8 8	1) 3	Sandstone, hard.		
		2 10	706		Sandstone, brown, fin conglomerate veins. Sandstone and	e,	
		8 6 9 9	- 715	3 ¹	dark shale. Soft boring - probab	ly	5
	-	0 4	725	5 0	Shale, soft, alark, wit coarse sand stone-	\exists	
	-		735	5 4	Shale, soft, with	-	
		2 6	747	7 10	Coal markings and Veins.	_	
		7 0	754	4 10	Shale,, Soft, greenish, with coal markings.	1	
		0 10	76	58	Shale, soft, broken Shale, soft, greenish	_	
	\ <u> </u>	0 6	768	3 6	I cara broken ub.	-	
			-1 779	9 0			
-					•		

Elevation: 5'?? Begun: March 25,1878. Finished: August,1878. Driller: E.B.McKay.

SOUTHFIELD BORE HOLE 6

VANCOUVER COAL CO.

BORE HOLE 6 At No. 5 Shaft. SCALE : I IN. = 20 FEET. THICKNESS MATERIAL ELEVATION SECTION DEPTH 0' 0" -Collar of hole -Datum -Surface 5 6 '2000'belowM.S.L. Sandstone, shale bands 25'0"—43'4" 46 I COAL. Sandstone, shale bands at: 64'6" - 76'2"; 82'7" -94'10"; 115'7" - 150'5"; 194'10" - 209'6"; 174 2 with quartz veins at 170'8" - 177'6". 226 | 0 3 | 227 | 1 | 227 | 4 | 227 | 10 Conglomerate. Sandstone. Shale, dark. Sandstone 21 5 249 3 16 9 Sandstone, broken. 266 0 __10_10 Sandstone. (?) | 0(?) 276 | 10 277 | 10 3 9 | 281 7 Shale, dark, soft. Sandstone. Shale, dark, with coal markings. 11 3 292 10 Sandstone. 16 0 0 4 309 2 Conglomerate. _15 10 Sandstone. 325 0 19 2 Conglomerate, fine. 344 2 Conglomerate, fine and bands of sandstone, mixed _14 10 359 0. Sandstone, with fine conglomerate bands. 30 3 0 389 3 390 3 Conglomerate: Sandy shale, soft and dark. 27 8 3 0 417 11 Sandstone. 35 4 Sandy shale, dark. 456 3 15 5 Conglomerate. 471 8 Conglomerate, with shale bands. _ i i 5 483 I Conglomerate, with dark Shale bands full of coal markings. 19 9 502 10 9 5 COAL, good, hard. 512 3 18 2 Shale, dark brown. 530 5 534 5 40 COAL, hard. Clay, soft, and shale with coal markings. 40 6 574 11 COAL, mixed with quartz. 0 8 575 7 Shale, with coal 12 0 markings and quartz veins.

> Elevation: 2050[±] _Begun: May 19, 1879. Finished: July 25, 1879. Driller: E.B. McKay.

Shale, soft, dark.

587 7

592 7



			R COAL CO. E RIVER	(1)
۸		BORE , No. 3	HOLE 7 3 Mine (Chase River) IN = 20 FEET) ;
SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
	0' 9" 0' 9" 4 5	0, 0,	Casina	
	4	0' 0' 0 9 5 2	Collar of hole Casing Surface. Conglomerate, hard, joint	-Datum - -2000 belowM.S.L. v
	16 5	21 7	with loose partings.	
	8 9	30 4		
	8 8	39 0	Shale bands with fine conglomerate. COAL.	
	0 8	48 7 48 10	Soft Shale. Coarse conglomerate, and	
	9 0	57 10	Shale and Conglomerate.	
	24.2		Sandstone and Conglomerate.	
	14 0	85 0	Sandstone. 89'8" — 91'2', a band of black	
		96 0	quariz, very hard.	
	18 0	114 0	Conglomerate.	
	14 0	128 0	Sandstone, with Coal markings.	
	3 3	131 3	COAL, with parting I'l' in centre.	
	9 2	144 6	Shale, soft, with	
	11 8	153 8	Shale, soft.	
	13 9	165 4	Blue, shaley rock.	
		179 1		
	.			
	59 8		Shale, soft, very much	
			broken up.	
· · · · · -				
		238 9		
	50 6	259 3	Clay, soft, shaley.	
		ຸມ ມ 3		
			,	
		į	· .	
	108 4		Shale and fireclay,	
			very soft.	
		367 7		
	14 0		Shale, dark, soft.	
	-9 2	181 7	Sandy shale, hard.	
	9 9	100 6 101 0	Sandstone, with white quartz veins. Shale, dark. Sandstone, with	
		юз з	white quartz veins.	
	24 3	27 6	Shale, hard, blue.	
	80	35 6	Shale, softer.	
,	240		Sandy shale.	
	4	59 6		
	16 0	75 6	Sandstone, with shale bands, hard.	
	15 8	,,,, O	Conglomerate, very dark with shale bands.	
	9 4	91 2	Sandstone and Coarse Conglomerate, very dark.	-
	5	00 6	very gark.	
· .	30 2		Sandy shale.	
	5	30 8		
	29 4		Sandy shale, soft.	
			, 5	
	20 0	60 0	Shale	
		80 0		
	11 2	91 2	Shale, very soft	
	23 4		Shale , soft.	
·	76	•	Shale, dark blue and	
	6	22 0	a little harder	
	55 3		Shale, soft, broken.	
:				
	6	77 3		
	15 10		Shale.	
<u>-</u>	 6	93		j i

Shale, very much broken up and very soft.

Shale.

712 1

752 11

19 0

W-8

VANCOUVER COAL CO. SOUTHFIELD

BORE HOLE 8
Near No. 4 Slope, Southfield.

SCALE : IIN = 20 FEET.

<u> </u>				· · · · · · · · · · · · · · · · · · ·
Section	THICK NE SE	DEPTH	MATERIAL	Remina
`		0, 0,	— Collar of hole	Datum -
	25' 0"		Surface.	2000 below
	5 0 11 0	25 0 30 0 41 0	Sandstone and a small seam of conglomerate. Sandstone.	
	36 8	·	Shale, soft.	
	· · - · · · - · · · · · · · · · · · · ·	77 8		
	10 4	88 0	Shale and sandy bands.	
	15 0	100'0	Sandstone - narrow shale bands.	
	li io	ľ	Shale, soft.	
	14 6 4 0 0 3 0 9	126 4 130 4 130 7 131 4	Shale and conglomerate, dark and fine. COAL, good, hard. Soft dirt parting. COAL, good, hard.	
	18 II 2 0 10 2	150 3 152 3	Shale. COAL, soft. Conglomerate; hard and fine.	

Elevation: Begun: Feb. II, 1880. Finished: Feb. 24, 1880.

VANCOUVER COAL CO. HARE WOOD

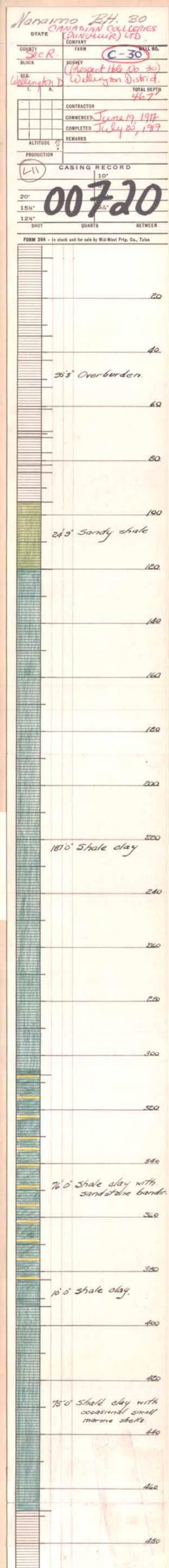
ა. <i>25</i> ,	n.o, close		wood road, near school i	,ou 86.	1
SECTION	THICKNESS	Овртн	MATERIAL	ELEVATION	
		0' 0"	- Collar of hale	Datum -	; ;
	,			2000 belo	wmsl.
·			• .		
•					
	114 0"		Surface		
·					1
	7 7	114 0	Sandy shale, hard, greenish.		·
	7 7	121 7	Shale, fine, soft, with		
	20 5	142 0	Shaley partings.		
	6 5	148 5	Shale and conglom- erate, mixed. Conglomerate, fine		
	10 7	165 0	and soft.		
·					•
	79 9		Shale with coal markings. 181'1"- 218'9" with		
			sandstone bands.		
10 to 10 to		244 9			
·	20 3		Shale and blue sands		
	•	265 0		1	
	38 0		Conglomerate, Coarse and hard.		
			•		
,	13.1	303 0	Shale		
		316 1			
	45 9		Conglomerate, coarse and hard.		
`37.					
	/3 O	361 10 364 10	markings.		·
	20 22 4	366 10	Sandstone, with coal shale with coal		
		389 2	markings.		
: :	10 3	399 5	Sandy shale with coal markings. Shale with a band of grey sandstone I'thick.		
	15.7	409 5 425 0	Shale.		
	2 0	127 0	Shale, soft, dark, and coal. Shale		
	7 6 2 6 4 7	438 4 440 10 445 5	Conglomerate. Shale. Sandstone, grey.	e .	
					.*
:	414		No RECORD.	·	
				٠	13 13
	11 8	486 9 498 5	Conglomerate.		
	10 10	499 5 510 3	Shale, dark, with coal markings.		
	70	517 3	Sandstone, fine, grey and conglomerate, Conglomerate, fine, hard.	9	
		527 5			
• .	42 6		Conglomerate, hard,		
we+ .			Coarse.		
	3 0	569 II 572 II	Shale.		
	18 10	501 ^	Shale and coal markings		
.1	128	591 9 604 5	Shale, darker.		
	19 0	~~ 7 5	Sandstone, fine, grey.		
		623 5 626 5	Shale. Shale, with coal		
	76	634 2	markings and small shells.		· .
	`	ŕ			
			•		
<i>,</i> ,					•
	104.11		Shale, soft, with shell markings at 668'8"-681'6"		
· · .					•
	18 8	739 1	Conglomerate, hard.		
-	10 0	757 9	Conglomerate, hard, greenish and coarse.		
				•	

Conglomerate.

25 11

V

VANCOUVER COAL CO. No. I						
		BORE r No.1 S	HOLE 10 haft, Esplanade IN = 20fEET.			
SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION		
,	18' 6"	0, 0,	- Collar of hole	Datum - 2000 belo	wM.S.L.	
<u></u>		18 6				
		29 6	Sandstone.			
	35 10		Sandstone, with shale bands. At:- 48 feet 2" coal. 60 6" " 65 12"			
·	16 1	65 4	Sondstone, with Coal markings. At 77 feetIZ" Soft Coal.		•	
	11 9	81 5	Sandstone, hard.			
	6 io	93 2 100 0 101 0	Sandy shale in bands.			
	6 3	107 3	Sandy shale in bands.		•	
		•				
				·		
		·			:	
				·	·	
	,					
			Sandstone, with			
	233 6		Shale bands and 226'9" - 271'1" and 299'0" - 321'3".			
			•			
•					·	
			•			
		·				
		,				
<u> </u> 						
	,			·		
	18 0	340 9	Sandstone and			
		358 9	Sandy shale.		:	
	35 3		Sandy shale, dark, with light specks.			
			with light specks.			
		394 0				
			!	·		
	66 8	,	Sandstone, hard, jointy.		,	
		•	y nara , jointy.			
	126	460 8	Shale, soft.			
		473 2		,		
7			• 1 :		:	
,	5i io		Sandstone, hard, jointy		:	
		525 0				
				·		
	59 0		Shale, soft.		·	
			•			
	0 4	584 0 584 4	Conglomerate, dark, fine.			
	14 11	599 3	Shale, soft. Shale and cong- lomerate bands.			
	10 1	610 2	COAL, good, hard, looks like coal from No. 1 bore.			
	26 4		Conglomerate, hard,			
•	4		coarse, jointy.			



WESTERN FUEL CO. NEWCASTLE ISLAND

BORE HOLE 91

Newcastle Island, 1200' N.W. of Echo Bay, (W.F. co-ords. N 547.7, E4921.4)

Scale: | inch = 20 feet.

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
		0'0"	Collar of hole	2071.3
	- 6	16	Casing. Surface soil.	Datum - '2000' belsw M.S
	2'0"	26" 46"	Sundstone, broken.	2066.8
;		40		
	24 4"	1	Sandstone.	
				20425
	2' 6"	28 10	Shale	2042.5 2040.0
	6' 2"	37 6"	Sandstone Shule.	2055.8
	F	38' 6'	Share.	20328
				1 1
		i	•	1
				[
				1
		. '		
	84 6	ļ	Sundstone.	
		1		
	3			
		1		
	}	1		
		123 0"		1948.3
	12' 0"		Sandstone conglomerut	· ·
		125' 0"	mkgs.	(५३७ ३
	3' 0"	139'0"	Sandstone. Grit, very hard.	1932.3
	3.0	142'0"	Ortif very floride.	1929.3
		1		
	ટર 6		Sandstone	
		164 6"		(906.8
	11'0	'	Shale.	
	1'6	175 6		- 1895-8 - 1894-3
	9,0	-1 1 <i>((</i>)	Sandstone.	
	5,0	- 186° 0°	Samuel Lang	- (885.3 - (883.3
	16		State bround	1881.8
		1 (00 0		
				1 1
		1		
		}		
			0 1	OS.
,	68 0	,	Sandstone shale mk	1 1
	1 00 0		Shale and conglomer mkys. 247'-257'6".	ald
			192, 64, 7 - 207 0 1	
	1			
		1		
	2' (257 6	" Sandy state.	- 1813.8 - 1811.8
		7 239 0	' <u> </u>	1 1
	10'		Sandstone, shale mkg	1801.8
	7' (269' E	Shale.	
ļ	5` (277 0	Candy shale	17943
		282 ()"	1789.3
	8' (ෙත් .	Shale.	17808
	9'	290' 6 300' 9	The Court day _ strongs	1771.3
	1	300	5" 31141	17703
	4 2	305' (o" Sanastorie:	1766.3
		307 (310 (0 1 + - 0	1761.3
	8'	a" l	Sandy shale.	1753.3
	4'	0" 318' (318' (7' 5'1212	17493
	15	337	o" Carata arate	17343
	2	31 339	Conglomerate and con	1731.8
	0	340	3" Cong., shale and coa	1731.0
	0	341	Conglomerate.	17294
	Ţ	343	Cook and shale	
			a L	= 11 (26.7)
		344 345		1725.7

Drilled: Nov. 22, 1910 - Feb.28, 1911 By: T. Green.

00720(53)



WESTERN FUEL CO. NORTHFIELD

By Bree	BORE	HFIELD HOLE 92		
by bree		Paint.(W.F. co-ords., N. (383.) I IN. = 20 FEET.	5, E.11676)	
SECTION	THICKNESS DEPTH	MATERIAL	ELEVATION	
	0, 0,	Collar of hole	2022.31 Datum -	
	21' O"	Surface soil, etc.	2000 belowM.S.L.	
	21' 0"		2001.31	
	48 9"	Sandstone.		
	3' 3" 75' 0"	COAL.	1952.56	
,	20' 0"	Shale, brown and COA Sandy shale.	1948.31	
	94' 0"	,	1928.31	
	37' O"	Shale.		
		· ·		
	13 0"	Shale, hard, sandy.	1891.31	
	19' 0"	Sandy shale.	18.878.31	
	163' 0"		1859.51	
	53' O"	Sandstone.		
		•		
	1 5, 0. S10, 0	Sandy shale, hard.	1806.31	
	18' 0"	Sandstone and shale	1794.31	
	246' 0"		1776.31	
	15' 0"	Sandstone, partly conglomerate.	1761.31	
	273' 0"	Sandstone and shale.	1749.31	
	34' 0"	Sandy shale.		
	307' 0"	•	1715.31	
	16' 0"	Sandstone and con- glomerate.		
	353, 0,		1699.31	
	37' 0"	Sandy shale.		
	360' 0"	Sandstone and con-	1662.31	
	9' 0"	glomerate.	1652.31	/-
	3' 0" 379' 0" 382' 0"	Conglomerate	1643.31	
•				
·	51' O"	Sandy shale.		-
· .	433 0"		1589.31	
	10' 0"	Shale.	1579.31	
	31' 0"	Sandy shale		
	474' 0"	,	1548.31	
	9' 0" 483' 0"	Sandy shale, hard, blue.	153931	
	11' 0"	Sandstone and shale.	1 1	
<u> </u>	505' O"	Sandy shale, blue.	1517.31	
	7' 0" 530' 0"	Shale and quartz, very hard.	1499.31	
		· ·		
·	73' 0"	Conglomerate, hard.		
	·			
		· .	-1419.21	
	5' 0" 603' 0" 8' 0" 616' 0"	Shale, hard, blue. Sandy shale, blue.		
	8' 0" 623' 0"	Shale, blue. Sandy shale.	1399.31	
	638' 0"	Shale, blue.	1391.31	
•	67' 0"	Conglomerate, very har	d	
	5' 0" 708' 0" 1' 0" 1' 0" 7109' 0" 710' 0"	Shale. Shale, brown. Scale, brown. Shale. Cool and shale.	1917. 31 1914. 31 1919. 31 1912. 51	
- Park	0' 4" 711' 7" 11' 5" 723' 0" 126' 6" 126' 6" 126' 6" 127' 0" 131' 0"	COAL and shale. Shale. Shale, brown. Sandy shale, blue. Shale, grey. Sandy shale.	1510.71 1299.31 1295.81 1295.31	
	0' 10' 142' 0' 0' 142' 10' 0' 4' 743' 2'	Shale, hard, blue. Shale, arey. COAL and shale. Shale, arey.	12 8 8.31 12 8 0.31 12 7 9.31 12 7 8.48 12 7 8.15	
	9' 0" [43 0" 7' 0" 754' 0" 2' 0" 763' 0"	Shale. Shale, contains 6" brown shale and 1" coal. Shale, contains 6" brown shale with coal markings.	1268.31	
	5' 0" 16 B' 0" 2' 0" 170' 0" 2' 0" 172' 0"	Shale, blue. Shale, grey. Shale, hard, blue. Sandy shale, blue.	12 5 4 . 3 1 12 5 4 . 3 1 12 5 2 . 3 1 12 5 0 . 3 1 12 4 8 . 3 1	
	0 715 0" 717 0" 717 0" 718 0" 719 0"	Shale, dark.blue. Shale, brown, coal mkgs Milky rock. Shale, brown, with coal	1247.31 1245.31 1244.81 1243.31	
	0 6 719 6" 0 6 780 0' 780 6" 783 0"	COAL. Soupstone. Shale, blue. Shale, yellow. Shale, grey.	1242.81 1242.31 1241.81	
	1' 0' 189' 0" 28' 3" 189' 0"	Shale, blue. Shale, grey. Sandstone.	1235.31 1235.31 1235.31	
	0' 9" 818' 0" 1' 0" 819' 0"	Shale, grey. Conglomerate, with COAL and shale mkgs	1205.06 1204.31 1203.31	
	2' 3' 820' 9" 823' 0" 824' 0" 825' 7"	Shale. Sandy Shale. Shale, grey.	1199.31	
	0' 3" 826' 9" 826' 9" 827' 0"	Shale, grey and coal. COAL. Shale, brown, with coal markings.	1195.81	
	1' 0' 838' 0" 2' 6' 839' 0" 841' 6*	Shale. Shale, with coal mkg: Shale, brown. Shale, grey.	— I 1 0 # 01	
	0' 6" 842' 0" 845' 0" 849' 0"	Shale, grey. Shale, blue, coal mkg:	1180.31	
	2' 0" 855' 0" 7' 0" 864' 0"	Sandy shale. Sandstone, with shale, coal and conglomera	1158 31	
	18' 6" 882' 6" 883' 0"	Shale bleek. Sandstone, with brow	1133.81	
	2' 0" 908' 0' 5' 0" 908' 0'	Sandy Shale, blue. Sandy shale, with bro shale markings.	1114.31	
	0, 6, 311, 9, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,	Shale, black, Shale, grey, Shale, brown.		
	15' 3"	Shale, blue.	1094.31	

N.B. - See also BiH's 73 and 74.

Drilled: Nov. 8, 1910 - April 26, 1911. By: J. Anderson, T. Green.

9' 0"

\$6, O.

10' 0"

14' 3"

0, 9,

25' 0"

937' '0"

965' 0"

913, 0,

987' 3"

988' 0"

1013, 0.

Shale, gray.

Shale, grey, with shell

Shale, brown, with coal markings.

Shale, grey, hard.

Shale.

markings.

Shale, grey.

1085.31

1059.31

1049.31

1035.06

1034.31

1009.31

7...) 3...)

WESTERN FUEL CO. NEWCASTLE ISLAND ISLAND

BORE HOLE 93
North end of Newcastle Island, (W.F. co-ords., N.430201, E. 3855.06)

SCALE : IN. = 20 FEET.

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
		g o"	-Collar of hole	2056.48
	4' 0"	4' 0"	Red soil and sand posses	Datum –
•	11, 0,] 7 5	Grey and blue clay	5000, pelè
•	· /	15' 0"	and gravel.	2041.48
	S, 0.	•	Blue clay and boulders.	
		17' 0"		20 \$9.48
	10, 0,		Blue clay and boulders.	1
· · · · · · · · · · · · · · · · · · ·	-1-40	27, O.,	Blue clay and boulders.	2029.48
	7' 0"	24\ 0"	Dide Liay and bouldeys.	2 - 2 - 42
	2 0"	34` 0" 36' 0"	Sandy shale.	20 2 2 .48 20 2 0 .48
	,	36 0	•	4020.40
	16, 0,,		Sandy shale, with brown	:
	,	•	shale mixed	
	0, 6,	52' O"	Et al. bassa and COOL	2004.48
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	52' 6"	Shale, brown and COAL.	2005.98
		,		* * *
	30' 6"		Sandstone.	,
	35 6		Jung Proper	ļ
	· .	j .		1
•	1			l .
	2' 0"	83, 0,	Sandy shale, brown.	1973.48
		85' O"		1971.48
	1]		1
	1	!	<u> </u>	1
	· ·			<u> </u>
		· ·	-	1
	42' 0"		Sandstone.	
		İ		. "
				,
	<u>'</u>	,	• • • • • • • • • • • • • • • • • • • •	ţ
				ŀ
-		127' 0"		1929.48
•	8' 0"	ļ	Shale.	
	3' 0"	135' 0"	Sandstone.	1921.48
	0' 6"	138, 0,	Shell fossil and	1918.48
	\	138' 6"	conglomerate.	1917.98
*	14 6	153' 0"	Shale.	1903.48
	2, 0,		Sandstone with shale markings.	
	1' 0"	155 0"	Conglomerate.	1901.48
	9' 0"	156, 0.	Sandstone with shale	1900.48
	30	165' 0"	markings	1891.48
				1
	50, 0.		ا ماد ماد ما	
			Sandy shale.	
		185' 0"	•	1071 40
	10, 0,	185 O"	Shale.	1871,48 1861,48
	3' 0" 2' 9" 0' 3" 8' 0'	198' 0"	Shale, soft.	1858.48
	0.3"	200' 9"	COAL Shale, black.	1855.73
	1/// 8. 9.	1201' 0"	Shale, brown.	1855.48
	0, 6,	209' 0"	Shale, black.	1847.48
	0' 6"	209' 6"	Shale, brown.	846.98 846.48
	0' 9"	210 9	COAL and black shale.	1845.73
	g 0"	212'9"	Shale, brown	1845.73
	35' 3"		Conglomerate, very	
	45 3	0.46	coarse, all boulders 224'- 234'6"],,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
		248' 0"	Sandstane and conglom-	180848
	14' 0"	;	erate, with coal and	
		565, 0,	shale markings.	1794.48
	1 11/	262' 5"		1794.06
	// Q` 3"		Shale, brown, with coal markings.	
	0' 3"	262' 8"		1793.81
	0' 3"	262' 11"	Sandstone.	1793.56 1793.31
	1' 8"	262' 8" 262' 11" 263' 2" 264' 10"	COAL.	1791.64
	0, 3,	265',1"	Shale brown and Cour.	1791.39
	O 5	265 6"	Shale, brown.	1790.97
	0' 3" 1' 8" 0' 3" 0' 5" 0' 6' 0' 6'	266, 0.	Shale, brown and COAL.	179047
	3' 0'	266' 6"	Charle continue diserce	1789.97
	0, 6,	1289' 6"	C.L. N. L. L. L. L. L. L. L. L. L. L. L. L. L.	1786.97
	0, 6,	270' 6"	Shale, black.	1786.47
	0' 3'	270' 6"	COAL.	1785.72
			I 61 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	
	0, 3,	1271' 0"	Shale, brown.	11785.47
			<u> </u>	1785.47

Drilled: Mar. 2-28, 1912 By: T. Green.

W-94

WESTERN FUEL CO. NEWCASTLE ISLAND

Northwest end of Newcastle Island, (W.F. co-orde., N.4514.94, E.2094.83)

Scale: linch = 20 feet.

				A CONTRACTOR OF THE STATE OF TH		a. 7 1
	-	THIS WE SE	Верти	MATERIAL	ELEVATION	•
			0' 0"	- Collar of hole -	2107.67	· · · · · · · · · · · · · · · · · · ·
			5, 6,	Casing. Blos.47 Soil. Plos.17	Datum - '2000'belo	w M.S.L.
		27' 11"		Conglomerate.		
		0' 5' 0' 8"	30' 5" 30' 10"	Shale, grey.	2071.25 2076.89	V Non
-	***************************************	T 4	32' 10"	Shale, brown. Shale, black, with coal markings.	2076.16	
	* 1 44 1	0' 8" 4' 6" 5' 0"	33, 6" 38, 0"	Shale, grev. Conglomerate. Conglomerate or trap	2014.16	•
	nt.	30	43' 0"	rock	2064.66	į.
		44 0		Conglomerate.		
			and the		~ v	,
		· / ·	87.0"		2020.66	
	,	[6' 0"		Shale, blue.	22244	
wi		0' 6"	103 0	Sandy shale, soft.	2004.66	

Drilled: Apr. 2-30, 1912. By: T. Green. 00720

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W-95

WESTERN FUEL CO. NEWCASTLE ISLAND

BORE HOLE 95
North end of Newcastle Island, (W.F. co-ords. N.1464.14, E. 4974.84)

Scale: linch = 20 feet.

				[]
SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
		0, 0,	-Collar of hole	2058.79
			Soil-clay with boulders.	Datum - 12000'below M.S.L.
	18' 0"		Soll and Ottom outlines	
	<u> </u>	18' 0"		2040.79
	21, O.		Sandstone.	
	3' 0'	39° O'	Shale	2019.79
	0' 5" 3' 1"	42' 0° 42' 5"	COAL. Shale.	2016.79 2016.37
		45' 6"	Shate.	2013.29
			•	
	35' 6"	:		
	33.6		Sandstone.	,
·			, in the second	
,	0, 5,	81, 0,	COAL and shale.	1977.79
	1, 0,	81' 0" 81' 2" 82' 2"	Shale, brown.	1977.62 1976.62
	8' 4' 2' 6"	90' 6"	Sandstone, shale mkgs. Shale, byown.	1968.29
		93° O"		1965.79
			•	}
	33' 0"		Sandstone.	
	300		Jakasione.	·
				1
	9' 0"	126 0"	Sandstone, very hard,	1932.79
		135' 0"	fine. Sandstone, arithy very hard	1923.79
	6, 0,	141 0"	Sandstone, gritty, very hard, with white spar. Sandstone, very hard,	1917.79
	6 0"	147` 0"	yellow.	1911.79
8	18'0"		Sandstone.	·
		1.5 81 07	Saka Conc.	1808.70
	3' 6"	165' 0"	Sandstone, with shale markings.	1893.79
	10, 0,	168' 6"	Shale, brown, with	1890.29
		178' 6"	coal markings.	1880.29
	6' 6" 3' 0"	185' O"	Sandy shale.	1873.79
	<u>5</u> 0,	188' 0" 190' 0"	Sandy shale.	1870.79 1868.79
			•	
	55, 0,		Sandstone with shale markings.	
			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
	5' 0"	511, 0. 515, 0.	Sandy shale.	1846.79 1841.79
	12, 0.	211	Sandstone.	1041. (9
	12.0	229' O"	Janas lone.	1829.79
	'			
	50, 0		Sandstone, with shale markings.	
<u> </u>		240' 0"		1800 70
	10, 0,,	249' 0" 259' 0"	Sandstone.	1809.79 1799.79
	2, 0,,	591, O.,	Sandstone, yellow, very hard.	
	4` 0"	265' 0"	Sandstone, fine, hard.	1797.79 1793.79
	6' 0"	271' 0"	Shale. Soabstone.	178779
	6' 0"	275' 0"	Sandstone, fine	1783.79
		281, 0.,		1777.79
	15, 0.		Shale.	
<u> </u>	8' 0"	293' 0"	Sandstone, shale mkgs.	1765.79
		301' O"	- marting amount mids.	1757.79
<u> </u>	15, 0,	216' 0"	Shale and sondstone.	1742 72
	7, 0,	316' 0" 323' 0"	Shale Conglomerate.	1742.79 1735.79
	0' 3"	339` 9" 340' 0"	Shale, brown.	1719.04 1718.79
·- ·	1 4	341' 0"	Sandstone and shale. Conglomerate and	17 17.79
1	3'6"	342' 4"	COAL	1716.46
	<u>8</u> , 5, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3,	345` 10" 348' 0	Shale, brown, coal mkgs. Shale, brown	1712.96
	0, 10,	351' 9" 352' 7"	COAL.	1707.04
	0' 4' 0' 8"	352' 11" 353' 7'	COAL and shale. Shale, brown, coal mkgs.	1705.88
	0, 9	354' 4"	Conglomerate.	1704.46
	•			



Drilled: May 15-June 16, 1912. By: T. Green.

W-96

WESTERN FUEL CO. NEWCASTLE ISLAND

BORE HOLE 96
North end of Newcastle Island, (W.F. co-ords, N.1885.30, E. 4551.76)

Scale: linch = 20 feet.

Scale: linch = 20 Teet.					
SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION	
		0, 0,	- Collar of hole	2083.54	
	1' 0"	1', 0"	Casing. 2082.54 Soil. 2081.04	Datum - 1 2000'below M.S.L.	
	5, 6,	2 0" 4' 6"	C. I.L	2079.04	
		, , , , , , , , , , , , , , , , , , ,			
	29' 6"		Sandstone.		
	23 6		Janastone.	•	
		34' 0"		2059.54	
	3' 6"	37° O"	Sandstone, hord, yellow. Shale, coal, markings.	20 46.54	
		40' 6"		204 3.04	
	28' O"	•	Sandstone.		
	(O' 2*	68' 6"		2015.04	
	0' 3"	68' 9"	COAL.	2014.79	
	8, 3,	77'0"	Sandstone.	2006.54	
<u> </u>	S. O.	79, 0,	Sandy shale.	2004.54	
		·			
			•		
	36` O"		Sandstane.		
1			- January - Comp	1	
		115' 0"		1968.54	
	13' 0"	·	Sandstone, very fine, hard.		
	4' 0"	158, 0	Sandstone, black, very	1955.54	
		132, 0,	Sandstone hard, arev.	1951.54	
	5° 0"	137' 0"	Sandstone, hard, grey, with white spar.	1946.54	
	20' O"		Sandstone.		
		157' 0"	•	1926.54	
	10, 0,	167' 0"	Shale, brown, coal mkgs.	1916.54	
,	9, 0,	101.0	Sandstone.	1312.34	
	10	176 0"	Shale, brown, coal mkgs.	1907.54	
		177' 0"		1906.54	
	05, 04				
	25' 0"		Sandstone.		
		202, 0.		1881.54	
	3' O" 5' O"	205' 0"	Sandstone, shale markings	1878.54	
	4' 0"	210,0.	Sandstone. Sandy shale.	1873.54	
		214,0		1869.54	
	12' 0"		Sandstone.		
	<u></u>	226 0"		1857.54	
		Į .			
	29'6"	<u> </u>	Sandstone with shale		
		<u> </u>	markings.		
		255' 0"		1828.04	
1	24' 6"		Shale.		
	<u> </u>	280' 0"	· · · · · · · · · · · · · · · · · · ·	1803.54	
	14' 0"		Sandstone, with shale markings.		
	10,0,	294' 0"- 304' 0	Sandstone, very hard. Sandstone, very hard, fine.	1789.54	
	1, 0,	306' 0"	Sandstone, very hard, fine. Sandstone, very hard, yellow.	177.54	
	4' 6"	307' 0"	Shale. Sandstone, shale and	1776.54	
	0'6"	313' 6" 314' 0"	Shale, black, coal markings.	1770.04 1769.54	
	13' 7"	327' 7'	COAL, shale markings.	1755.96	
	0' 9"	328 11	COAL and shale.	1754.63	
	8' 6"	329' 10" 329' 11"	COAL. COAL and brown shale.	1768.71	
	0' 3" 0' 4" 0' 3"	330' 2" 330' 6"	Shale, brown. Shale, qrey.	1753.35	
	12, 3,	330 9	Shale.	1752.80	
	0' 3	343' 6"	Shale, brown. Conglomerate.	1740.05	
		34 4' 9"		1738.80	
<u></u>	<u> </u>	1	<u> </u>		

Drilled: June 26-Aug. 17, 1912. By: T. Green.

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W-97

WESTERN FUEL CO. NEWCASTLE ISLAND

BORE HOLE 97
North and of Newcastle Island, (W.F. co-ords, N.2700.27, E. 5229.57)

Scale: linch = 20 feet.

	36	ale: linc		
SECTION	THICKNESS	DEPTH *	MATERIAL	ELEVATION
		0' 0"	- Collar of hole	2072.40
	1'6"	1 6	Red soil. 2070.90	Datum -
	3, 0,	3' 6' 6' 6' 7' 0'	Clay. 2068.90	12000' below M.
	0, 6,	3' 6' 6' 6' 7' 0'	Gravel.	2065.90 2065.40
		, 0		2005.20
	20' 4"]	Blue clay and boulders.	
	Ì			
	1' 0"	27' 4"	Gravel, fine.	2045.07
	2' 0"	28' 4" 32' 4" 34' 4"	Clay, blue. Clay, blue, and boulders.	2040.07
		34' 4"	Clay, Diag, and Dages	2038.07
	22' 8"		Sandstone.	
				1
		57' 0"	Sandstone, fine, vary	2015.40
U.I. 1871	6, 0,	42'0"	hard and gritty.	2009.40
<u> </u>	0 2°	63' 0" 63' 2" 63' 8" 64' 2"	COAL.	2009.23
	0, 6,	63' 8"	Shale, brown. Shale.	2008.73
		64. s.		2008.23
	i i		·	j j
	·			i i
	•		•	
				1 ' 1
	[[[
	j l]] .
	}			
	86'-10"		Sandstone, very hard and gritty-112'-112'6".	[
			gray-ne -neo.	
	ļ l	ļ		
]			
	į l] ·
	j l			
	f			1
				1921.40
		151' 0"		11921.40
	10' 0"	161' 0"	Sandy shale, coal mkgs:	1911.40
	1, 0,	162' 0"	Shale, grey. Shale, brown, coal mkgs.	1910.40
		163,0,		1909.40
	10' 0"		Shale.	1899.40
	1	173' 0"		11899.40
	20' 0"		Sandstone	
				1
		193' 0"		1879.40
	e, o.,		Shale.	1873.40
		129, 0		10 (3.40
	11, 0,		Sandstone.	
 	S, O,	210, 0.	Shale, brown.	1862.40
		212'0"		1860.40
	15' 0"		Sandstone.	
	15 0		Sand Stoke.	
·		227' 0"		1845.40
		,		
		<u> </u>	Sandstone with	1
	50, 0.,	ļ	shale markings.	1 1 .
- · · · · · · · · · · · · · · · · · · ·	 	247' 0"		1825.40
	15, 0.	i	Sandy shale.	1 1
	1		Smith Butter	1010 15
	5' O"	259, 0,	Sandstone.	1813.40
	 	264' 0"		1808.40
	16, 0,,	İ	Shale.	1
	<u> </u>	280' 0"		1792.40
	9, 0 _"		6. 1.1	
	T	289' 0"	Sandstone, shale mkgs.	1783.40
	6, 0	·	Shale.	
	 	295' 0"		1777.40
		1		1 1
		1		
	25' 0"		Shale, with conglom-	
-			erate markings.	' '
	1	1	1 .],_,
	<u> </u>	320, 0,		175 2.40
	10,0,	1	Shale.	1 1
		330' 0"	Sandy shale with con-	1742.40
	8' 0"	i	glomerate migs.	1784.40
	1 •	338° 0° 340° 0°	Shale, brown,	1784.40
	2'0"		Sandy shale.	1720, 15
	2'0"	352' 3"		J
	2'0"	352' 3" 352' 9"	Shale coal markings	
	2' 0" 12' 3" 0' 6" 2' 6"	352' 3" 352' 9" 355' 3"	Shale, coal markings: Conglomerate.	1717.15
	2' 0" 12' 3" 0' 6" 2' 6"	352' 3" 352' 9" 355' 3"	Shale, coal markings. Conglomerate. Sandy shale.	1715.90
	2' 0" 12' 3" 0' 6" 2' 6"	352' 3" 352' 9" 355' 3"	Shale, coal markings. Conglomerate. Sandy shale. Conglomerate. Sandstone.	1715.90 1713.65 1713.15
	2' 0" 12' 8" 0' 6" 2' 6" 1' 3" 2' 3" 0' 6' 2' 3" 5' 0"	352' 3" 352' 9" 355' 5" 356' 6" 358' 9" 359' 3" 361' 4"	Shale, coal markings. Conglomerate. Sandy shale. Conglomerate. Sandstone. Conglomerate.	1715.90
	2' 0" 12' 3" 0' 6" 2' 6"	352' 3" 352' 9" 355' 3"	Shale, coal markings. Conglomerate. Sandy shale. Conglomerate. Sandstone. Conglomerate.	1715.90 1713.65 1713.15 1710.90



W-98

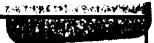
WESTERN FUEL CO. NEWCASTLE ISLAND

BORE HOLE 98 North end of Newcastle Island, (W.F. co-ords., N. 4365.32, E. 4870.72)

Scale: linch = 20 feet.

		1		
SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
· · · · · · · · · · · · · · · · · · ·		0, 0,	- Collar of hole	2039.43
			- 01101 01 7(010	Datum -
	18' 0"		Clay, blue and boulders.	taooo' below M.S.L.
		18' 0"		2021.43
				<u> </u>
:				•
			·	
			,	
	66' 6"		Sandstone.	
				1 1
		84' 6"		1954.93
	11' 0"		Shale.	
	4' 6"	95 6	Shale, brown, coal mkgs.	1943.93
	7' 0"	100, 0,,	Shale, grey, coal mkgs.	1939.43
	4' 0"	107'0"	Shale, brown, coal mkgs.	1932.43
	4' 0"	111'0"	Sandstone.	1928.43
	9, 0°		Sandstone, shale mkgs.	
		124' 0"	Sandstone, very hard	1915.43
	5' 0" 2' 0"	129, 0,	and gritty. Sandstone.	1910.43
	1' 0"	131, 0,,	Shale, brown.	1908.43
,	20	134' 0"	Sandy shale.	1805.43
		,		
	50' 0"		Sandstone, a little con-	
			glomerate markings 148'- 170'.	·
		184' 0"		1855.43
	12, 0,		Shale, grey.	
	5' O"	196' 0"		1843.43
	6,0,	501, 0	Sandstone.	1838.43
	2 0	207'0"	Shale, grey. Sandstone.	1832.43 1830.43
	4'0"	213 0"	Shale, grey. Sandstone.	1826.43
	3' 0"	214'0"	Shale, grey. Sandstone.	1825.43
	9, 0, -	218' 0"	Shale, grey.	1821.43
		227'6"	Conglomerate.	1811.93
]	15, 6,		Shale, brown.	
	-	240' 0"		1799.43
	21 0	į	Shale, (coal markings.)	
'				
	5' 9"	566, 3,, 561, 0,,	Shale, black, coal mkgs. COAL. Shale, black.	1778.43 1772.68
	0, 11,	266' 10" 267' 9"	COAL (and strate)	1772.60 1771.68
	0' 5" 7' 10"	268, 5.	Shale, brown and COAL Shale, black, coal migs .	1771.26 1763.43
	3, 0,	279'0"	Shale, black, coal mkgs. Shale, brown, with con-	1760.43
	\	281'6"	glomerate mkgs.	1757.93
	34' 6"	316'0"	Conglomerate. Conglomerate, shale	1723.43
[1' 0"	317,0"	markings. Sandstone, shale, coal mkgs.	1722.43
	ד'ס' ד'	320`4" 320`11"	COAL and shale.	1719.10 1718.52
	2' 5" 0' 4" 1' 1"	323' 4"	COAL and shale.	1716.10
	0' 6"	324' 9"	Shale, brown, coal mkgs. COAL, little shale	1715.77
	5' 3" 1' 6"	325' 3" 330' 6"	Shale, brown. Shale, black, coal mkgs.	1714.19 1708.94
	۱ '۱۵	332' 0" 332' .1"	COAL.	1707.44 1707.36
	l' 6"	333' 7" 334' 1"	Shale brown. COAL and black shale.	1705.86 1705.36
	0, 9,	334' 10"	Shale, brown. Shale, blue.	1704.61
		336' 4"		1703.11

Drilled: Oct. 3 - Nov. 1, 1912. By: T. Green.



WESTERN FUEL CO. NO. 1 MINE

BORE HOLE 99-UNDERGROUND At foot of Lamb's or No. 3 Incline."

Scale: linch = 20 feet.

SECTION	THICKNESS	Верти	MATERIAL	ELEVATION	
	2' 0" 15' 0" 5' 6' 6' 6' 6' 6' 7' 0" 7' 0" 5' 9½ 0' 4½ 0' 3' 2' 6' 0' 9" 0' 4' 0' 8" 0' 9" 0' 3 0' 2" 1' 2"	48' 2" 48' 5" 50' 11' 51' 10' 52' 2'	COAL, shale markings. Shale, coal markings. Shale. COAL, COAL, shale markings.	Datum - 2000 below	M.S.L.

Drilled: Jan. 12- Feb. 16, 1915.
By: T. Green.

WESTERN FUEL CO. Nº I MINE

BORE HOLE 100 (UNDERGROUND) On Lamb's or No.3 Incline

Scale: | inch = 20 feet.

SECTION	THICKNESS	ОЕРТН	MATERIAL	ELEVATION	-
	3' 0"	o' o" 3 o"	Shale.	Datum-	1.S.L.
	23' O"	·	Conglomerate, very hard.	:	
	15' 0"	\$6` O"	Conglomerate, sandstone.		
	3, 0, 1, 0,	41' 0" 49' 0" 50' 0" 52' 0"	Sandstone, cong. mkgs, 41'48' Sandy shale, coal mkgs. Sandstone, coal + sh. mkgs.		
	4' 0" 2' 2" 0' 11" 0' 8"	54'0 58'0" 60'2" 61'1" 61'9"	Sandy shale, coal + sh. thkgs. Sandstone, coal + sh. mkgs. COAL. Sh., brown, coal rnkgs. 60.10. COAL, brown sh. coloring.	:	
	0'4' 1'5" 2'4" 1'1"	62' 1" 63' 6" 65' 10	Shale, brown. Shale, coal mkgs. Shale. COAL.		- A
	·\ 0'10"	66' 11" 67' 9"	Shale.		

Drilled: Feb. 17 - Mar. 11 , 1919. By: T. Green .

00720(54)C-70,71,72 -DIOFF

Drilled for: Canadian Collieries (Dunsmuir) Limited Surface elevation: 237.5 feet Commenced: 1940 Total depth: 100 feet Completed: 1940 Location: Approx. 647 feet N, 422 feet W of SE corner Sec 19 Rge 3 MLD Depth (ft.): Lithology: DRIFT: 15 Soil 65 Clay and sand HASLAM FORMATION: 100 Marine shales Drilled for: Canadian Collieries (Dunsmuir) Limited Surface elevation: 235.0 feet Commenced: 1940 Total depth: 104 feet Completed: 1940 Location: Approx. 553 feet N, 47 feet W of SE corner Sec 19 Rge 3 MLD Depth (ft.): Lithology: DRIFT: Sand and gravel 75 EXTENSION FORMATION: 96 Soft shale 102 COAL, clean Shale with markings 104 Drilled for: Canadian Collieries (Dunsmuir) Limited Surface elevation: 235.2 feet Commenced: 1940 Total depth: 74 feet Completed: 1940 Location: Approx. 375 feet S, 94 feet E of NW corner Sec 19 Rge 4 MLD Lithology: Depth (ft.): DRIFT: 12 Soil 16 Boulder EAST WELLINGTON FORMATION: Sandstone with coal

20

85

70

74

markings

Sandy shale

Marine shales

Sandstone

HASLAM FORMATION:

C-73, 74, 75 Draft

Drilled for: Canadian Collieries (Dunsmuir) Limited Surface elevation: 233.5 feet Commenced: 1940 Completed: 1940 Total depth: 58 feet Location: Approx. 572 feet S, 282 feet E of NW corner Sec 19 Rge 4 MLD Lithology: Depth (ft.): DRIFT: 10 Soil 22 Gravel Clay 29 Gravel and boulders 40 EAST WELLINGTON FORMATION: Sandstone with coal markings 48 58 Sandstone Drilled for: Canadian Collieries (Dunsmuir) Limited Surface elevation: 232.9 feet Commenced: 1940 Total depth: 143 feet Completed: 1940 Location: Approx. 338 feet N, 357 feet E of SW corner Sec 19 Rge 4 MLD Lithology: Depth (ft.): DRIFT: 15 Soil Clay 70 120 Gravel EXTENSION FORMATION: 130 Soft shale Shale 133 136,75 Black shale 137.25 137.75 COAL Sandy shale 138.25 COAL EAST WELLINGTON FORMATION: Sandstone, dark 138.5 Sandstone 143 Drilled for: Canadian Collieries (Dunsmuir) Limited Commenced: 1940 Surface elevation: 234.5 feet Completed: 1940 Total depth: 45 Location: Approx. 675 feet N, 375 feet E of SW corner Sec 18 Rgs 4 MLD Depth (ft.): Lithology:

DRIFT:

Gravel and boulders 45

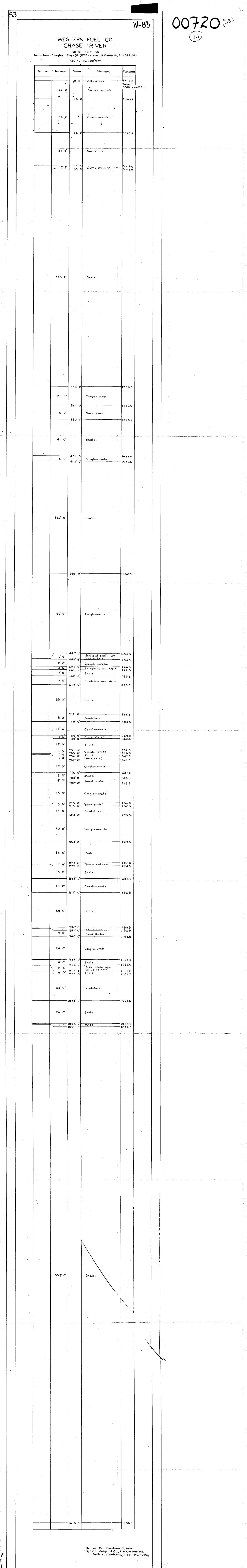
00720 C-77 1350 SM 1817 Shibal 138 Sdu sh Sh(Sst stks) 1438 1852 ShipA 1442 196' Sst 15/4/43 color Shand Gal 448 145 COAL 1454 148 , bklu 149 1496 bh Sh 150 1506 Thand and 75 \$5 15/10 COAL 1,5 DKbash 1546 82 bkn 159 54 846 · < <u>; 5 ·</u> DKSH 89 1996 1ch Sh 63 SST 1.0 149 COAL 986 DKS 1001 المعالط را 1154 169 130 DK shard God 1208 COAL 1705 Co+Sh 13/ 1 Staken 1326 1328 \$

Š			C - 78
	7		No
	Date.	Page	Date Page
· -		<u></u>	C-78 Collar 416.6 22/5/43
•	2404		
	2418		10 Gros blais
L		5hw 0 /5 Sdy sh W 5/6	12 Car & day
ŀ	244	VICE VICE STATE OF THE STATE OF	
		Basa Sala	18 Cg1
-		Shand co	22 Cg/4 bkn
ŀ	75210		28. 691
L	2534		32 Cg1, bko /cg1, bts 86
L	2536	St brown sh	78 Cg1 (g) 91
	2999	51)	86 98 Fine Est bkn
-		En 5/1	94 101 551
	4	England on	98 1046 551 W power
H	264		101 1066 601
H	1	Bash	tog 108 5st cal bands
H	264'5		tog' 108 5st, cgl bands
	265/11		163 CJ1
-	269	54	171 Egyptn
_	2696	En sha coal.	182 691
	2698	ka El	1846 Fest w pobles
	2734	BEAS	1846 Est w pobles
_	2836		MA 2000 Tal u bds of 5th
	2763	CAL.	2086 2376 251
-	269	Fine to and set on cont	2086 2396 Eg 1, bEV
	2949	551 13/7/43 FW011	240 GI

Log of Canadian Collieries (Dunsmuir Location: from White Rapids abandonme 730 ft. N, of SE corner Sec Coordinates:	
	mpleted: August 30, 1943
C.C.(D.) drawing	urces: PABC 436/60/6 (summary) g PH 18 #12V, in vault, Nanaimo g Dept. (driller's log)
DESCRIPTION:	THICKNESS (ft.): DEPTH (ft.):
DRIFT: Boulders	4
EXTENSION FORMATION (Millstream Conglomerate Conglomerate, broken Conglomerate Conglomerate, broken Shale with coal markings Shale Shale with sandstone streaks Conglomerate, broken Conglomerate	lomerate): 16 44 69 80 81 86.5 95.5 111.5 135.83
EXTENSION FORMATION (Northfield Coal Shale Shale and COAL Shale Sandy shale with bands of sandstone Sandy shale Shale, dark Shale and COAL COAL Shale, brown Shale Shale, soft, brown Shale, soft Shale and COAL Shale, soft Shale with coal markings Shale Sandy shale with bands of fine sandst Sandstone, fine Sandstone, fine, with bands of shale Shale COAL (clear water) Shale COAL (clear water) Shale, broken	136 136.25 138.25 148 151.25 151.42 151.58 0.33 151.92 152.08 153.67 154 154.5 154.5 155.5 156 157

C-79.0-7 p.2

Sandstone		196
		186
Sandstone, dark		185.33
Sandstone and COAL		105 22
EAST WELLINGTON FORMATION:		
COAL (clear water)	2.67	185.17
Shale, brown	0.08	182.5



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W-84

WESTERN FUEL CO. NEWCASTLE ISLAND

BORE HOLE 84
North and of Newcastle Island, (W.F. co-ords., N. 4020.18, E. 3531.55)

SCALE : IIN. # 20 FEET.

Section Hitches Hertil Markala. Fiscation		}			-
19' 9" 24' 8" Sundstone 2044.03 19' 9" 24' 8" Shale, brown, with coal markings 2044.03 10' 8" Sundstone 2024.94 10' 10' Soundstone 2024.94 11' 7" 85' 4" Sundstone 2024.94 11' 7" 85' 4" Sundstone 2024.94 11' 7" 85' 4" Sundstone 2024.94 11' 8" Sundstone 2024.94 12' 6" Soundstone 2024.94 12' 6" Sundstone 2024.94 12' 6" Sundstone 1997.86 19' 1" Sundstone 1997.86 19' 1" Sundstone 1970.78 19' 1" Sundstone 1970.78 19' 1" Sundstone 1953.45 18' 3" Sundstone 1953.45 18' 3" Sundstone 1933.45 18' 0" 18' 3" Shale 1924.95 19' 14' 14' 14' 8" COAL and shale 1923.78 19' 15' 6" Shale 1923.08 19' 14' 14' 14' 8" Shale 1923.08 19' 15' 6" Shale 1923.08	ŠIŁIM	†11118KN#än	n+n4t)	MATERIAL	FLEVATION
19' 9" 24' 8" Sundstone 2044.03 19' 9" 24' 8" Shale, brown, with coal markings 2044.03 10' 8" Sundstone 2024.94 10' 10' Soundstone 2024.94 11' 7" 85' 4" Sundstone 2024.94 11' 7" 85' 4" Sundstone 2024.94 11' 7" 85' 4" Sundstone 2024.94 11' 8" Sundstone 2024.94 12' 6" Soundstone 2024.94 12' 6" Sundstone 2024.94 12' 6" Sundstone 1997.86 19' 1" Sundstone 1997.86 19' 1" Sundstone 1970.78 19' 1" Sundstone 1970.78 19' 1" Sundstone 1953.45 18' 3" Sundstone 1953.45 18' 3" Sundstone 1933.45 18' 0" 18' 3" Shale 1924.95 19' 14' 14' 14' 8" COAL and shale 1923.78 19' 15' 6" Shale 1923.08 19' 14' 14' 14' 8" Shale 1923.08 19' 15' 6" Shale 1923.08		Bring across the supply of the state of	0' 0"	Callay of hale	806B 7
19' 9" 24' 8" Sandstone 2044.03 16' 8" Sandstone 2044.03 16' 8" Sandstone 2024.94 11' 7" 35' 4" Sandstone 2024.94 12' 6" Sandstone 2024.94 12' 6" Sandstone 2024.94 12' 6" Sandstone 2024.94 12' 6" Sandstone 2024.94 12' 6" Sandstone 2024.94 12' 6" Sandstone 1997.86 19' 1" Sandstone 1970.78 13' 4" Sandstone 1970.78 13' 4" Sandstone 1983.45 12' 0" 18' 3" Sandstone 1983.45 12' 0" 18' 3" Sandstone 1983.45 12' 0" 144' 11' COAL and shale 1924.95 145' 8" Sandstone 1923.93 145' 8" Sandstone 1923.93 148' 8" Sandstone 1923.93 149' 149' 6 Shale 1923.93 149' 149' 6 Shale 1923.93 149' 149' 6 Shale 1923.93 149' 149' 6 Shale 1923.93 149' 149' 6 Shale 1923.93 149' 149' 6 Shale 1923.93 149' 149' 6 Shale 1923.93 149' 149' 6 Shale 1923.93 149' 149' 6 Shale 1923.93 15' 0' 184' 8" Sandstone with coal mathings 1923.93 15' 0' 184' 8" Sandstone with coal mathings 1923.93 15' 0' 184' 8" Sandstone with coal mathings 1923.93 16' 16' 16' 16' 16' 16' 16' 16' 16' 16'		4'11"		Burtace soil : etc : 2861.1	Dalum =
24 8" 25 1" 26 1					2000 below M
16 8" 25 1" Shale, brown, with cool merkings Ro4361 16 8" Sundy shale 2026.94 Ro49.94 11 7" 88 4" Sundy shale 2013.36 12 6" Sandy shale 2013.36 12 6" Sandy shale 2000.86 19 1" Sundstone 1997.86 19 1" Sundstone 1970.78 19 1" Sundstone 1970.78 19 1" Sundstone 1983.45 18 3" Shale, brown 1980.46 19 0" 144 11 COAL and shale 1923.78 19 0" 144 11 COAL and shale 1923.78 19 0" 144 11 COAL and shale 1923.78 19 0" 144 11 COAL and shale 1923.78 19 0" 145 8" Shale, brown 1919.20 19 0" 148 8" Shale 1920.63 19 0" 148 8" Shale 1920.63 19 0" 184 8" Conglomerate 1919.20 10 0" 184 8" Conglomerate 1891.09 10 0" 184 8" Conglomerate 1891.09 10 0" 184 8" Conglomerate 1891.09 10 0" 184 8" Conglomerate 1891.09 11 0" Conglomerate 1891.09 11 0" Conglomerate 1891.09 11 0" Conglomerate 1891.09 11 0" Conglomerate 1891.09 11 0" Conglomerate 1891.09 11 0" Conglomerate 1891.09 11 0" Conglomerate 1891.09 11 0" Conglomerate 1891.09 11 0" Conglomerate 1891.09 11 0" Conglomerate 1891.09 11 0" Conglomerate 1891.09 11 0" Conglomerate 1891.09 11 0" Conglomerate 1891.09 11 0" Conglomerate 1891.09 11 0" Conglomerate 1891.09 11 0" Conglomerate 1891.09 11 0" Conglomerate 1891.09 11 0" Conglomerate 1891.09 12 0" Conglomerate 1891.09 13 0" Conglomerate 1891.09 14 0" Conglomerate 1891.09 15 0" Conglomerate 1891.09 11 0" Conglomerate 1891.09 11 0" Conglomerate 1891.09 12 0" Conglomerate 1891.09 13 0" Conglomerate 1891.09 14 0" Conglomerate 1891.09 14 0" Conglomerate 1891.09 15 0" Conglomerate 1891.09 15 0" Conglomerate 1891.09 15 0" Conglomerate 1891.09 15 0" Conglomerate 1891.09 15 0" Conglomerate		19 9		Sandstone.	
16' 8" Sandstone. 2026.94 Propher Pr		0' 5"	24' 8"		2044.03
11' 7" Sundy shale. 2026.94 2070.96 35' 4" Sandy shale. 2000.86 3' 0' 70' 10" Soapstone. 1997.86		/	25' 1"	Cool. morkings .	19 6103
11' 7" Sundy shale. 2026.94 2070.96 35' 4" Sandy shale. 2000.86 3' 0' 70' 10" Soapstone. 1997.86		IA BI		ftt	
11' 7" 55' 4" Conglomerate what Conglomerate Conglomerat		18 8		JAHARTONE,	
11' 7" 55' 4" Conglomerate what Conglomerate Conglomerat		<u>6, 0,</u>	41' 9"	Sundy shale.	
12' 6" Sandy shale. 2000.86 1997.86		, , l -= 11	40 5	Saindstann, with	
12' 6" Sandy shale. 2000.86 1997.86		11 7	# # 1 4 11	danglamerate inter-	Pald de
3'0' 70' 10" Soapstone: 2000.86 1997.80 19' 1" Sandstone: 1978.78 8'0" 87' 11" Sundstone: 1970.78 13' 4" Sundstone: 1970.78 13' 4" Sundstone: 1970.78 18' 3" Sandstone: 1980.46 1			7 00 4		C 13. 84
19' 1" Sandy shale. 1978.78 1970.78		12, 6,		Sandy shale.	
19' 1" Sandy shale. 1978.78 1970.78 13' 4" Sandstone. 1970.78 1970.78 116' 3" Sandstone. 1987.45 1983.46 1980.46 198		3' 0"	67' 10"	Soabstone.	
89' 11" 8'0" 97' 11" Sundstone: 1970.78 13' 4" 11' 3" Sundstone: 1957.45 1953.48 1950.46 Sandstone: 1950.46 Sandstone: 1938.45 1938.45 1938.45 1938.45 1938.45 1938.45 1938.45 1938.45 1938.45 1938.45 1938.45 1938.45 1924.45 1924.45 1924.45 1923.78 1938.45 1938.			`` ``		
8' 0" 87' 11" Sundstone. 1957.45 4' 0" 118' 3" Sundstone. 1957.45 18' 0" 118' 3" Shale, brown: 1950.46 18' 0" Sandstone. 1938.45 18' 0" Sandstone. 1938.45 1950.46 Canglomerate. 1938.45 1924.45 1923.78		19' 1"		Sandy shale.	
8' 0" 87' 11" Sundstone. 1957.45 4' 0" 118' 3" Sundstone. 1957.45 18' 0" 118' 3" Shale, brown: 1950.46 18' 0" Sandstone. 1938.45 18' 0" Sandstone. 1938.45 1950.46 Canglomerate. 1938.45 1924.45 1923.78			99, 11,	,	1070 70
13' 4" Sundstane, hard, fine: 1957.45		8' 0"	וו פא וו	Sundstone	1978.78
4'0" 111' 3" 3andstone. 1957.45 1953.46 1960.4			97' 11"	1	1970.78
4'0" 116' 3" 3andstone. 1957.45 1953.46 1960.4		13' 4"		Sundstane, hard, fine:	
18' 0" 30' 3" Canglomerate. 1938.45 1933.45 1933.45 1933.45 1924.45 1924.45 1923.78 1923.78 1923.78 1923.78 1923.03		A1	111' 3"		1957.45
18' 0" 30' 3" Canglomerate. 1938.45 1933.45 1933.45 1933.45 1924.45 1924.45 1923.78 1923.78 1923.78 1923.78 1923.03	<u> </u>	4 0" 3 0"	115 3"		1953.45
130 3" Canglomerate. 1938.45 1933.45 1933.45 1924.45 1924.45 1924.45 1923.78 1923.78 1923.78 1923.78 1923.03			1 He 3		्राज्यसम्ब
185 3" Shale. 1933.45 1924.45 1924.45 1924.45 1923.78 1923.78 1923.78 1923.03 1923			IAPI AII	Handstein.	1938 AE
0'8" 144' 11" COAL and shale. 1923.78 1923.78 1923.03					
2'6" 148' 8" Shale, with coal 1988.53 1989.53 1919.20		9' 0" 0' A"	144' 3"		1924.45
2'6" 148' 8" Shale, with coal 1980.53 1919.20			144' 11"	COAL, good.	1
149' 6 Shale, brown. 919.20 1913.20		2' 6"		Shale, with coal	
6'0" 149 6 Shale. 1919.20 19				Shale, brown.	
Conglomerate. 17' 0" 17' 8" Sandstone, with Conglomerate mkgs. 184' 8" Conglomerate.			155' 6	Shale.	
7' 0" Sandstone, with Gonglomerate mkgs 1891.09 11' 0" Conglomerate					[
11' 0" Sandstone, with conglomerate mkgs. 184' 8" Conglomerate.		55, 5.		Conglomerate.	
11' 0" Sandstone, with conglomerate mkgs. 184' 8" Conglomerate.	<u> </u>		विकास		15.41
11' 0" Conglomerate, IAMANA		7' 0"	177 8	Sandstone, with	1891.03
1, 2, 4, 20			154' 5"	<u>Conglomerate</u> mkgsi	1884.03
195' 8" IA75,05	1	11' 0"		Clonglomerate.	
			195' 8"		1879,03

00720

Drilled: Jan . 27 - Fab. 8, 1910. By: T. Green, D. Dobson.



85

W-85



WESTERN FUEL CO. NEWCASTLE ISLAND

BORE HOLE 85
North end of Newcastle Island, (W.F. co-ords., N. 4224.55, E. 3487.14)

Scale : IIN = 20 FEET.

		DCALE . 11	N. = COFEET.	
SECTION	THICKNESS	Depth	MATERIAL	ELEVATION
		0, 0,	- Collar of hole	2056.6
	4' 6"	4 6	Surface 2052.1	Datum - ~2000'below M.S.L
	1=1 0"			1
	17' 9"	1	Sandstone.	
	0' 6"	22' 3" 22' 9"	Shale	2034.4
		22 9		2033.9
		i	الاستانات المسالات	
	29'6"		Sandstone, with shale markings.	
		-		
-		52` 3"		2004.4
	57'-0"		Sandy shale.	
	,			
		109' 3"		1947.4
	19' 7"		Shale, with coal	
			markings.	
<u> </u>	3' 0"	128' 10"	Conglomerate.	1927.8
	6, 3,	133, 8,	COAL. Shale.	1923.0
	0' 6"	139' 11"	COAL and shale.	1916.8
	0' 6"	140' 5" 141' 5"	Shale	1916.3
 -		:		
	23' 8"		Conglomerate.	
		165' 1"		1891.6
	12, 0,		Sandstone.	
	12.0	177' 1"	Janastone.	1879.6
		` ` '	1	
	51 11		Conglomerate, very soft to 187!	
	·			
[
	0 6	229' 6"	Sandy shale.	1827.7
	0, 6,	230' 0"	Soft material with indication of coal.	1826.7
		50 0		1060.1
	0 -1 -0			
	66, 0,		Conglomerate.	
				1,25.
	7' 0'	296`0"	Shale, blue.	1760.7
	6, 6,	303' 0" 309' 0" 315' 6"	Sandstone, fine.	1753.7
	6, 6,	315' 6"	Shale, blue. Shale with conglom-	1747.7
 	3' 6"	319, 0,	erate markings.	1737.7
	3, 0, 5, 0,	-319' 0" -321' 0" -324' 0"	Shale, blue, Sandy shale.	-1735.7 -1732.7
	4' 8"	328' 8"	Shale.	1728.0
	8' 4"	1	Sandy shale	
	1	337' 0"		1719.7
<u> </u>	<u> </u>		-	1

Drilled: Feb.27-April 29, 1910. By: T. Green, D. Dobson.

WESTERN FUEL CO. NEWCASTLE ISLAND

BORE HOLE 87 North end of Newcastle Island, (W.F. co-ords., N. 5074.76, E. 3573.46)

SCALE : IIN. = 20 FEET.

		•	· · · · · · · · · · · · · · · · · · ·		
SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION	
		a' a"		222212	
		0,0	Collar of hole	12072.13 Datum -	
				2000, pelos	~M 5 1
				1	W 141.5. L
	25` 9"		Surface soil, etc.		
	_	25' 9"		2046.38	
	9' 3"				
		35' O"	Soapstone.	2037.13	
	2' 0"		Sandy shale with	203 (.13	
ł		37' 0"	white spar.	2035.13	
	12' 0"		Soapstone.		
		49' 0"	0000	2023.13	
				1 1	
1	15' 0"	·	Sandy shale.	1 1	
			[1 1	
		64' 0"		2008.13	
	8' 0"		Soapstone.	1 1	
		72' 0"		2000.13	
	13' 0"		er in	1	
· .	15, 0,	<u> </u>	Shale, brown.	l ·	
		84' 0"		1988.13	
	8' o*		Sandy shale.	1	
	' 7' 11"	92' 0	Shale, brown.	1980.13	
	1' 8'	99' 11"	COAL.	1972.21	
	4 0	101' 7"	Shale, brown.	1966.54	
	4' 0" 9' 8"	109' 7"	Shale.	1962.54	
	1 9	111' 4"	Shale, brown. COAL and shale.	1960.79	
	1' 8"	111' 7"	COAL and black shale.	1960.54	
	0' 3"	113' 3"	Shale, black or	1958.87	
1	 	113' 6"	mining dirt.	1958.62	
]	0, 9,	114' 3"	Shale, brown.	1957.87	
	27' 7"	` `	Conglomerate, very		
}	i	141' 10"	hard.	1930.29	
]	0, 3, 0, 5,	142' 0"	Sandstone.	1930.12	
	\// \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	149' 3"	Conglomerate. Sandstone	1922.87	
		150' 0"	Conglomerate, 162'-	1922.12	
	16, 0,	166' 0"	166' Very soft.	1906.12	
]	2, 9,	168' 6"	Sandy shale, soft.	1903.62	
	// 3 o		Sandstone with coal	ļ l	
	- 11	171' 6"	Conglomerate, soft.	1900.62	
<u> </u>		174' 0"	Conglomerate, very hard.	1898.12	
	<u>2' 6''</u> <u>2' 0"</u>	176' 0"	Conglomerate, soft.	11030.16	
	1 0	179' 0" 180' 0"	Sandy shale, brown.	1893.12	
	0' 10"	100 0	Congloin a rute, suft,	77.75	
	2'6"	180' 10"	COAL und shale mkgs.	1891.29	
	7	183' 4"	COAL. Mining dirt.	1888.79	
	0' 1%	183' 11%	COAL.	1868.16	
	1' 7%	184' 7"	Shala	1887.53	
	-	186 2%		1885.90	
				L	

Drilled: July 12, - Aug. 2, 1910. By : T. Green .



00720

WESTERN FUEL CO. NEWCASTLE ISLAND

BORE HOLE 89
North end of Newcastle Island, (W.F. co-ords, N.3313.2, E.4238.7)

SCALE : IN = 20 FEET.

İ				
SECTION	THICKNESS	DEFTH	MATERIAL	ELEVATION
		O O.	Collar of hole	2097.71
	4' 8"	4'8"		Datum-
		7 0	•	2000'belowM:
	5 9 , 8,		Sund stone:	
	0' 2"	28 5	COAL.	2069.29
	0' 6"	28' 7" 29' 1" 32' 4" 38' 4"	Shale.	2069.12
	3' 3"	32' 4"	Sandstane	2065.47
	6° 0° 4' 0°	38' 4"	Sandy shale. Shale, brown.	2059.47
	5' O"	42' 4"	Sandy shale.	2055.47
		47' 4"		2050.47
	54' 8"		Sandstone, with shale markings from 57'8" - 90'0"	
	4' 0"	105, 0,	Sandstone with shale	1995-80
		106' 0"	markings.	1991.80
	5' 0"	111' 0"	Sandy shale.	1986.80
	7' 0"	[Sandstone, shale mkgs.	
	5' 0"	118'0"	Shale, brown.	1979.80
	5' 0"	123 0	Sandy shale.	1974.80
		158, 0,		1969.80
	11, 0.		Shale, brown.	
		139' 0"		1958.80
	i			1,200,00
•	20' 0"		Sandstone.	
	4' 0"	159' 0"	Sandy Shale.	1938.80
	1 0	163' 0"	Conglomerate.	1934.80
	\	1 1 U T U		1, 2, 20, 20,
	45' 6"		Sandstone, with shale and conglomerate markings,177'-198'	
	45' 6"	209' 6"	and conglomerate markings,177'-198'	1888.30
	45' 6" 2' 0"		and conglomerate markings,177'-198'	
	45' 6" 2' 0" 11' 6"	511, 6, 503, 9,	and conglomerate markings,177'-198'	1888.30 1886.30
	45' 6" 2' 0" 11' 6"	511, 6, 503, 9,	Sandy shale. Sandstone.	1888.30 1886.30
	45' 6" 2' 0" 11' 6"	511, 6, 503, 9,	Sandy shale.	1888.30 1886.30
	45' 6" 2' 0"	511, 6, 503, 9,	Sandy shale. Sandstone.	1888.30 1886.30 1874.80 1872.80
	2' 0" 11' 6" 2' 0" 1' 6" 9' 6"	209' 6" 223' 0" 225' 0" 226' 6"	Sandy shale. Soapstone. Soapstone. Shale.	1888.30 1886.30 1874.80 1872.80 1871.80
	45' 6" 2' 0" 11' 6" 2 0"	209' 6" 211' 6" 223' 0" 225' 6"	Sandy shale. Soapstone. Soapstone. Shale.	1888.30 1886.30 1874.80 1872.80 1871.80
	2' 0" 11' 6" 2' 0" 1' 6" 9' 6" 3' 0"	209' 6" 223' 0" 225' 6" 236' 6"	Sandy shale. Soapstone. Soapstone. Shale. Sandstone.	1888.30 1886.30 1874.80 1872.80 1871.80
	2' 0" 11' 6" 2' 0" 1' 6" 9' 6"	209' 6' 211' 6" 225' 0" 226' 6" 239' 0"	Sandy shale. Soapstone. Soapstone. Shale.	1888.30 1886.30 1874.80 1872.80 1871.80
	2' 0" 11' 6" 2' 0" 11' 6" 9' 6" 3' 0" 12' 0"	209' 6" 211' 6" 223' 0" 226' 6" 236' 0" 239' 0"	Sandy shale. Soapstone. Sandstone. Shale. Sandstone. Shale. Sandstone.	1888.30 1886.30 1874.80 1872.80 1871.80 1861.70 1858.70
	2' 0" 11' 6" 2' 0" 11' 6" 2' 0" 12' 0" 12' 0"	209' 6" 211' 6" 225' 6" 226' 6" 239' 0" 259' 0"	Sandy shale. Soapstone. Sandstone. Shale. Sandstone. Sandstone. Shale. Sandstone.	1888.30 1886.30 1874.80 1872.80 1871.80 1858.70
	2' 0" 11' 6" 2' 0" 11' 6" 2' 0" 12' 0" 12' 0" 16' 0"	209' 6" 209' 6" 223' 0" 225' 6" 239' 0" 259' 0" 259' 0"	Sandy shale. Soapstone. Sandstone. Shale. Sandstone. Shale. Shale. Shale. Shale. Shale. Shale.	1888.30 1886.30 1874.80 1872.80 1871.80 1858.70 1858.70
	2' 0" 11' 6" 2' 0" 11' 6" 2' 0" 12' 0" 12' 0" 16' 0"	209' 6" 211' 6" 223' 0" 225' 6" 239' 0" 259' 0" 259' 0" 276' 6"	Sandy shale. Soapstone. Sandstone. Shale.	1888.30 1874.80 1872.80 1871.80 1861.70 1858.70 1838.70 1822.70 1821.20 1820.70
	2' 0" 11' 6" 2' 0" 11' 6" 9' 6" 3' 0" 12' 0" 16' 0"	209' 6" 209' 6" 209' 6" 200' 0" 200' 0" 200' 0" 200' 0" 200' 0" 200' 0"	Sandy shale. Soapstone. Sandstone. Shale. Sandy shale. Shale.	1888.30 1886.30 1874.80 1872.80 1871.80 1861.70 1858.70 182.70 182.70 182.70 182.70
	2' 0" 11' 6" 2' 0" 11' 6" 2' 0" 12' 0" 12' 0" 16' 0	209' 6" 209' 6" 2235' 6" 2236' 0" 239' 0" 239' 0" 251' 0" 276' 6" 2776' 6" 281' 8"	Sandy shale. Sandy shale. Sandstone. Sandstone. Shale.	1888.30 1874.80 1872.80 1871.80 1861.70 1858.70 1838.70 1822.70 1822.70 1821.20 1817.70
1	2' 0" 11' 6" 2' 0" 11' 6" 2' 0" 12' 0" 12' 0" 16' 0" 16' 0" 1 6" 0 6" 3' 0' 1 3" 0 9"	209' 6" 209	Sandy shale. Soapstone. Sandstone. Soapstone. Shale. Sandstone. Shale.	1888.30 1874.80 1872.80 1871.80 1861.70 1858.70 1838.70 1822.70 1822.70 1821.20 1817.70
	2' 0" 11' 6" 2' 0" 11' 6" 2' 0" 12' 0" 12' 0" 12' 0" 12' 0" 13' 0' 13' 0' 13' 0' 13' 0' 13' 0' 13' 0' 13' 0' 13' 0' 13' 0' 13' 0' 14' 3' 15' 0	209' 6" 209' 6" 209' 6" 200	Sandy shale. Sandy shale. Sandstone. Sandstone. Shale.	1888.30 1874.80 1872.80 1872.80 1871.80 1861.70 1858.70 1822.70 1822.70 1821.20 1817.70 1816.46
1	2' 0" 11' 6" 2' 0" 11' 6" 2' 0" 12' 0" 12' 0" 12' 0" 13' 0' 14' 0' 15' 0	209' 6" 239' 0" 255' 6" 239' 0" 2576' 0	Sandy shale. Soapstone. Sandstone. Soapstone. Shal	1888.30 1886.30 1874.80 1872.80 1871.80 1861.70 1858.70 182.70 182.70 182.70 182.70 1817.70 1815.70 1816.46
	2' 0" 11' 6" 2' 0" 11' 6" 2' 0" 12' 0" 12' 0" 16' 0" 16' 0" 1' 6" 0' 6" 3' 0' 13' 0' 13' 0' 13' 0' 13' 0' 13' 0' 13' 0'	209'6' 0'0' 0'0' 0'0'8' 0'0'0' 8'0' 8'0' 8'0'0' 8'0'	Sandy shale. Soapstone. Sandstone. Shale. COAL. COAL. COAL. COAL. Shale.	1888.30 1886.30 1874.80 1872.80 1871.80 1861.70 1858.70 1858.70 1822.70 1820.70 1817.70 1817.70 1814.87 1811.62 1798.62
	2' 0" 11' 6" 2' 0" 11' 6" 2' 0" 12' 0" 12' 0" 16' 0" 16' 0" 1' 6" 0' 6" 3' 0' 13' 0' 13' 0' 13' 0' 13' 0' 13' 0' 13' 0'	209' 6" 0" 0" 0" 0" 0" 0" 0" 0" 0" 0" 0" 0" 0"	Sandy shale. Soapstone. Sandstone. Soapstone. Shale.	1888.30 1886.30 1874.80 1872.80 1871.80 1861.70 1858.70 1858.70 1822.70 1822.70 1820.70 1817.70 1816.45

Drilled: Aug. 17 - Sept. 3, 1910. By: Thos. Green

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WESTERN FUEL CO. NEWCASTLE ISLAND

BORE HOLE 90
North and of Newcastle Island (W.F. co-ords-N2812.2, E 4733.7)

SECTION					
L	THICKNESS	ОЕРТН	MATERIAL	ELEVATION	
	1'0"	0'0'		2096.8	j
	[\2, o.		Lasing.	Datum -	
	40	3' 0' 7' 0'	Sandstone , notten.	2000'belo 2089.8	W M.S.L.
	18' 0"	ŀ	Sandstone.		
	7 6"	25 0	Shale.	2071.8	
	6' o'	32.6	Sandstone.	2084.3	
	9, 0,	38 6		6.8602	
	90	47 6	Sandy shale.	2049.3	
	80' 6°		Sandstone.		
		68° 0		2028.8	
	1'0'	68'6"	Shale, brown ; Coat. Sandy shale.	2028.3	
	1,0,	69' 6" 70' 6"	Sandstone.	20273	
	5 0	75 6	Shale, brown.	2021.3	
	57 3		Sandstone.		
	0'1"	132 9"	Shale, brown.	1964.0	
.]	13' 2"	132'10"	Sandstone.	1963.9	
	4'0"	146'0"		19507	
	(6,	150' 0' 151' 6'	Sandy shale. Shale, brown; coal mkgs.	1946.7 1945.2	·
····	5 0	156' 6"	Sandy shale.	1945.2	
	8 6	165' 0"	Shale, grey coal rinkgs.	1931-7	•
	11'0"		Shale.		
		176 0		1920.7	
	42° 0°		Sandstone, shale mkgs. @ 187'-218'.		
ĺ		`,,,			
		218'0"		1878.7	
	28' 0'	Ì	Grit, yellow, very hard.		
		241'0"			
		2910		1855.7	
	30' e'		Sandy shale.		
	•	1	,		
	א בי	271 6		1825.7	
	5 6°	275'0"	Sandstone Shale mkas	1822.2	
	12'0"		Sandy shale	1817.2	
	8 0	292'0"	Shale.	1809.2	
		300' 0"		17972	
	50' O"	320' O"	Sandy shale		
	5' 0"	325' 0'	Shale brown	1777.2	
	8 6	ŀ	Sandy shingrey, cong. mks.		
	2.6	333 6"		1763.7	
	8' 10"	336 0"	Shale.	1761.2	
1	0'2"	344 10	COAL	1752.4	
	28	345 0	Shale, conglomerate mks.	752.2	
	(\	34/2 F	* · · · · · · · · · · · · · · · · · · ·	, , ,	
	5'0'	345'0" 347'8" 352'8"	Congiomerate.	744.5	
	11'0'		Sandstone, cong. mkgs.	1744.5	
	5'0'	352'8" 363'8" 369'0"	Sandstone , cong. mkgs.		

Drillea: Sept. 12 - Oct. 24, 1910. By: T. Green.

00720(55)

Lb

NEW VANCOUVER COAL CO. NEWCASTLE ISLAND

71

BORE HOLE 71
West side Newcastle Island on shore of Exit Passage.

Scale: linch + 20 feet

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
		0'0"	— Collar of hole —	2005.8
	14' 0"		Surface soil.	Datum - 2000 belov
		14' 0"	0 - 1.4	19918
	1,00	15' 1"	Sandstone. Conglomerate.	1990.7
	3' 8"	(6' 1"	Sandy shale.	1989.7
	7' 10"	27' 7"	Sandstone.	1986.0 1978.2
	20° 7"		Sandstone, shale mkgs.	
		48' 2"		1957.8
 -	τ' ο"	55 2"	Sandstone.	1950-6
	<i>28</i> " 5"	•	Sandstone, shale mkgs.	
		83' 7"		1922.2
	3' 6"	87' (*	Sandstone.	19222
	20' a"	107' 1"	Sandstone and sandy shale with shale mkgs.	1898.7
	12.0		Sandy shale, shale mkgs.	1886.7
	12' 0"	119' 1"	Sandy shale, sandstone bands	
	6' 0"	181' 1"	Sandy shale, shale mkgs.	1874.7
	5' 0"	137' 1"		(868.7
•	5 0*	142' 1"	Shale, grey. Conglomerate.	1863.7
		149' 1"		18567
	9' 0"	158' 1"	Shale, grey.	1847.7
	4' 0" 3' 4"	182' 1"	Shale, brown.	1843.7
	3' 4" 0' 6"	165 5	Sandstone, shale, br. (alternately) Sandy shale.	
	F\\ (' ''	165' ((* 167 ' 0"	Sandy sh., blk., brown sh. orks.	(839.9 (838.8
	2' 8"	169' 8"	COAL.	18361
	0' 9"	170' 5"	Shale, brown.	1835.3
•	0' 3"	172' 3"	COAL, dirty. (coal 1 shale)	1833.5.
:	(1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,	172' 6"	COAL	1833.2 1832.2
	0' 7"	173' 7" 174' 2"	Coal and shale.	1831.6
•	0' 2"	174' 4"	COAL.	18314
	0' 6"	174' 10"	Shale.	1850.9
	295 6 "	204° 4"	Conglomerate, coarse.	1801.4
		216, 0		1789.7
	1' 3"	217' 3"	Sandstone.	1788.4
	0' 6"	217' 9"	Conglomerate.	1787.9
	6, 11,	224' 8"	Sh., sandy sh., conq. mixt., s. s. sh.	1781.1
	6' 8"	231' 4"	Sandstone with pebbles.	17744
	19' 10"	242' 2"	Sandstone.	1763. 6
	0'8"	242' 5"	Shale, brown.	1763.3
·	3' 0" 3' 0"	245' 5"	Sandstone.	17603
	0. 5,	248' 5"	Sandy shale. Shale, brown.	1757.3
	4'0"	245 2"	Shale arey	1757.1
		252' 7" 254' 2 "	Sandy shale; shale, brown.	1753.1
	2' 4"	256' 6"	shale, grey, or shale mks.	1749.2
	2' 7"	259' 1"	. COAL.	1746.6
	0'8"	269' 9"	COAL, dirty.	1745.9
		L43 3	I COAL	
	0' 4' 0' 2"	260' 1"	COAL.	17458
	0' 4"	560, 1 ₄ 560, 1 ₄	COAL. COAL. COAL. Shale.	

Drilled: Dec. 12-26, 1902.

By: T. Brown, C.P. Low, J.D. Jones.

00720(56)



NEW VANCOUVER COAL CO. NEWCASTLE ISLAND

BORE HOLE 72
On Newcastle Island near south end

7 9" 15'9" Sundstone. Sundstone. 20 53 45 11'4" 21'4 10'2" 25'7 20'0" 21'9" Sundy shale. 20 34.5 Sundy shale. 20 34.5 Sundy shale. 20 34.5 Sundy shale. 20 34.5 Sundy shale. 20 34.5 Sundy shale. 20 34.0 Sundy shale. 20 34.0 Sundy shale. 20 34.0 Sundy shale. 20 34.0 Sundy shale. 20 34.0 Sundy shale. 20 35.0 Sundy shale. 20 36.0 Sundy shale. 20 36.0 Sundy shale. 1987.6 Sundy shale. 1987.6 Sundy shale. 1988.6 Sundy shale. 1988.6 Sundy shale. 1988.6 Sundy shale. 1988.6 Sundy shale. 1988.9 Sundstone. 1944.4 11'9" Sundstone. 1944.4 11'9" Sundstone. 1944.4 1942.1 1944.1 1944.1 1945.1 Sundstone, shale layers 1944.1 1944.1 1944.1 1944.1 Sundstone. Sundy shale. 1944.1 1944.1 1944.1 1945.1 Sundstone, shale layers 1945.1 Sundstone. Sundy shale. 1944.4 1945.1 Sundstone. Sundy shale. 1944.4 1945.1 Sundstone. Sundy shale. 1944.4 1945.1 Sundstone. Sundy shale. 1948.1 1949.1 1949.1 Sundstone. Sundy shale. 1948.1 1949.1 Sundstone. 1944.1 1945.1 Sundstone. Sundy shale.
15' 9" 23' 6" Sundstone. 2086.3 Su
15' 9" Sundstone. 2000 below Mistage 2000 b
23 6" 24 4" 1 4" 24 4" 25 7" 25 7" 25 9" 25 25 25 25 25 25 25 25 25 25 25 25 25 2
23 6" 24 4" 1 4" 24 4" 25 7" 25 7" 25 9" 25 25 25 25 25 25 25 25 25 25 25 25 25 2
1 4 24 31 34 34 34 34 34 34 3
20 25 3 3 3 20 3 3 3 3 3 3 3 3 3
0 5 2 29 2 5 Strate black, cout mb 18 20 3 3 6 0 1
33' 0" 3' 9" 3' 9" 3' 9" 3' 9" 3' 9" 3' 9" 3' 9" 3' 0" 3' 1" 3' 0" 1' 0"
24 6" 4 0" 4 0" 70' 11" 70' 11" 71' 3" Sundy shale 19876 19876 19876 19876 19876 19876 19876 19876 19876 19876 19876 19889 2' 0" 72' 11" Shale, yeey. 19889 Sundstone. 19889 Sundstone. 19889 Sundstone. 1944.4 116' 9" 117' 9" 118' 5" Sandstone, sandy sh. mkgs 19084 19034 1904 19042 19044 1904
1901.9 1907.8 1
3 o' 4" 70' 11" Sundy shale 19876 19877 19
10 71 3 3 3 3 3 3 3 3 3
Shale, brown 1985.9 1985.9 1985.9 1985.9 1985.9 1985.9 1978
19'6" 19'6" 19'6" 3undstone. 1978.9 Sandy shale 1944.4 116'9" 17'9" 6'0" 150'5" Sandstone, Sandy shale layers. 1941.1 1942.1 1942.1 1941.1 1941.1 1943.1 Sandstone, Sandy sh. mkgs 1908.4
15'0" Sandy shale 1944.4 1942.1 1944.1 1944.1 1942.1 1944.1 1944.1 1944.1 1944.1 1944.1 1944.1 1945.1 1945.1 1945.1 1945.1 1946.1
15'0" Sandy shale 1944.4 1942.1 1942.1 1942.1 1942.1 1944.1 1944.1 1944.1 1944.1 1944.1 1945.1 1945.1 1945.1 1946.1
2' 4" 114' 5" 116' 9" 117' 9" 117' 9" 123' 9" Sandstone Sandstone, Shale layers 1944.4 1942.1 1944.1 1945.1 Sandstone, Shale layers 1908.4 1903.4 Sandy sh., brown sh. mkgs 1897.8 181' 0" 185' 0" Shale, brown 1893.8 Sandy sh., brown sh. mkgs 1893.8 Sandy sh., brown sh. mkgs 1893.8 Sandy sh., brown sh. mkgs 1893.8 Sandy sh., brown sh. mkgs 1893.8 Sandy sh., brown sh. mkgs 1893.8 Sandy sh., brown sh. mkgs 1893.8 Sandy sh., brown sh. mkgs 1893.8 Sandy shale. 1873.7
116' 9" 116' 9" Sandy shale. 1942.1 1941.1 19
17' 9" Sandstone, shale layers. 1941.1 1935.1 26' 9" Sandstone, shale layers. 1941.1 1935.1
26' 8" 5' 0" 150' 5" Sandstone, sandy sh. inkgs 5' 7" 161' 0" 165' 0" Shale, brown. 189 3.8 8' 0" 173' 0" 173' 0" 175' 0" Shale, brown. 189 3.8 Sandy sh, brown sh. inkgs. 189 3.8 Sandy sh, brown sh. inkgs. 189 3.8 Sandy sh, brown sh. inkgs. 189 3.8 Sandy sh, brown. 189 3.8 Sandy shale. 187 3.7
5' 0" 150' 5" Sandstone, sandy sh. mkgs 5' 7" 161' 0" 165' 0" Shale, brown. 1897.8 1897.8 1893.8 8' 0" 173' 0" 173' 0" 173' 0" 175' 0" Shale, brown. 1885.8 1893.8 10' 1" Sandy shale. 1873.7
5' 0" 150' 5" Sandstone, sandy sh. mkgs 5' 7" 161' 0" 161' 0" 165' 0" Shale, brown. 1893.8 8' 0" 173' 0" 173' 0" 175' 0" Shale, brown. 1893.8 10' 1" Sandy sh., brown sh. mkgs. 1893.8 Sandy sh., brown. 1893.8 1893.8 Sandy shale. 1873.7
5 0" 5'7" 61'0" Sandy sh., brown sh. mkgs 1897.8 1893.8 8'0" 173'0" Shale, brown Shale, brown 175'0" Shale, brown 1893.8 1893.8 10'1" Sandy sh., brown 1893.8 1893.8 1893.8
Sandy sh., brown sh. mkgs 1897.8 Shale, brown 1893.8 Sandy sh., brown sh. mkgs 1893.8 Sandy sh., brown sh. mkgs 1893.8 Shale, brown 1893.8 Sandy shale. Sandy shale. 1873.7
4'0" 165'0" Shale, brown. 8'0" 173'0" 173'0" Shale, brown sh. mkgs. 1893.8 10'1" Sandy shale, brown. 1893.8 1893.8 1893.8
8'0" Sandy sh., brown sh. mkgs. 1885.8 175'0" Shale ibrown. 1893.8 10'1" Sandy shale. 1873.7
175' 0" Sandy shale. 1873.7
2' 6" 185' 1" Sandstone 1873.7
3'0" 187' 7" Sandy shale. 1871.2
8'6" Sandstone.
0'5" 199'6" Shule, brown. 1859.3
. 47'0" Sundstone, shale mkgs.
246'6" 13123
7'0" 253'6" Sandstone, shale bands, 1805.8
12' 0" Sandy shale.
1'3" 265'6" Sandstone. 1793.3
y' y" Sundy shale shale mkas
8'9" Sundstone, shale mkgs.
284'6"
16' 0" Sandy strate, shall mkgs.
300' 6"
9' 0" Sundy shale.
and the state of t
1'6" 312'6" Shale dark. 1746.2
O'G" State Sundy Shute.
0'5" 316'7" conglomerate 1742.1
5'0" 323' 11" Shale, black and sandy 1734.8
0'9" 325' 2" Conylemerate. 1733.5
333' 5" Shale, blk, coal + leaf mks. 1725.2
338°0" State, black 1720.6 1720.3
0' 3" 339' 4" COAL 1719.2
5'6" 356' 2" Conglomerate
3' 9" 365' 5" Conglomerate 1696.8 2' 0" 365' 5" Sundatone
4'7" 300 3 5 101416
4'4' 373'0" Sundstone, cong. bands. 1685.4
8' 4" 386' 7" Sandstone, coal mkgs. 16718 16718
20 394' 11" Conglomerate. 16635 4' 10" 399' 9" Sundy shale shale mkys 1658.7
1'3" 401' 7" COAL, hard clean 1658.5
0'6" 402' 1" COAL divty. 16563
0'5" Stull brown (\$55.7)
0'3" 403' 3" Sandstone 16550

Dritled: Dec. 30, 1902 - Jun. 13, 1903. By: T. Brown, J.O Jones, C.P. Low.

4576-463

00720



4

WESTERN FUEL CO. BRECHIN

BORE HOLE 73 On beach at Brechin Mine slape

Beole: Tinch = 20 feet.

SECTION	THIONNELS	Debra	MATERIAL	ELEVATION
	8' 1"	0' 0" 8' 1" 13' 6" 14'0"	- Collar of hole	Datum - '2000'below M.S.L
	0' e" 6' 0" 0' 6"	81' 0" 81' 2" 81' 2" 37' 8"	Sandstone. Conglomerate, fine. Sandstone. Conglomerate, coarse.	
·	2' 0" 2' 1" 0' 3" 0' 6" 0' (0" 5' 5"	54' 7" 56' 7" 58' 8" 58' 11" 59' 5"	Shale, brown. COAL. Shale. Coal and shale bands.	
	5' 5" 2' 8" (6' \$" 0' 6" 4' 8"	60' 3" 65' 8" 88' 2" 81' 6" 81' 10" 56' 6"	Coal and shale. Sandy shale. Sandstone; wal, shale mig. Shale; dark. Coal and shale. Shale; grey.	

Drilled; Jan. 17-19, 1903. By: C.P. Low, J. p. Jones, T. Brown.

WESTERN FUEL CO. BRECHIN

BORE HOLE 74 On beach at Brechin Mine slope

Scale: I inch = 20 feet

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION	
	11' 4" 3' 7" (4' 1" 1' 3" 0' 9" 13' 3"	0' 0" 11' 4" 14' 11" 29' 0" 30' 3" 31' 0"	Surface. Sandstone. Sandstone with bands of conglomerate. Sandstone. Conglomerate, fine. Sandstone with bands of conglomerate.	Oatum †2000'belo	w M.S.L.
	0' 7" 2' 7" 0' 7" 0' 2" 0' 9" 0' 2"	59' 7" 60' 2" 62' 9" 63' 4" 63' 6" 64' 3" 64' 5"	Shale, brown. COAL Shale, brown. Coal and shale. Shale, brown. Coal and shale. Shale, brown. Chal and shale. Shale, grey.		

Drilled: Jan. 20-21, 1903: By: C.P. Low, J.D. Jones, T. Brown.

00720 [H]



W-75,88

WESTERN FUEL CO. BRECHIN

			WE	STE			FUEL CO. ECHIN				
,			Oi W:	n beac F. co-o	h 10	100 ~	OLES 75,88. "Wof Brechin Mine e86.31 E. 614.80 "Ch = 20 fect.				
	SECTION	,	THICKNESS	0	PEPT	ч	MATERIAL	ELEVATION	7		
			3'		o' 3'			2009.3	.]		
			10'	0"	10'		Clay, sand and grav	el.	low M.S.L		
		-	-		20' (o"		19893			
			60'	3 "			Sand and gravel.				
	į								,		
		- : :			80 (~ *		— (329.3			
			60	o"	90' (Clay, sand and grave	- 1			
			1'0	5" ;	96' (97' (98' (90' ()". 1"	Sandstone. Sandstone. Shale.	19133			
			9'(5 "	(8, ¢	3"	Sandstone. Shale.	1909.3			
			0'	2" 1	19' 6 19' 5	ו"נ	Sandstone. Conglomerate	18903			
										į	
			63 ['] -	7"			Sandstone.				
			3' C	5"	16' (79' ()" I	Shale. Sandstone. Shale.	(836.3 (833.3 (830.3			
				<u></u>	31' 6	"נ		18283		ļ	
			28' (Sandstone.				
			8' (י"	99° 6 17° 6) "c	Conglomerate.	- 1800 3 - 1792 3		, 	
			3' 6 2' 6 1' 5	7" 2	20' C 22' C 23' T 25' T)" >" 7"	Standstone. Shale Sandstone Conylomerate	1789.3 1787.3 1785.7			
			1' 5)" 	27` (29' (30' 6	ני ט" ס"	Shale. Sandstone Shale. Sandstone	— 1783.7 — 17823 — 17 80 ⋅3 — 1718.8	1		·-
			5' (1' 6 7' 6	200	37' 6 42' 6 44' 6 51' 6	5" >"	Conglomerate. Sandstone Cong., with shale mk	1772.3			
			17'0	25	53' ()*	Sandstone. Shale.	1756.3			
			3' C)" 2'	70' C 73' C 79' C)" ,"	Sandstone. Conylomerate. Sandstone.	1739.3 1736.3 1730.3			
	-		10' 7	; 24 1" 25 1" 25	30' (30' (31' ()" 5")"	Shale, brown. Conglomerate.	1729.3 1728.9 1718.3			
			3' (200	95' (98' (99' (ა" ∣	Sandstone. Shale.	1714.3			
				31 31	12' 5 13' 5	;"	Sandstone. Conglomerate. Sandstone.	- 1696.9 - 1695.9			
			3' 6' 6' 6' 6' 6' 6' 6' 6' 6' 6' 6' 6' 6')" 3)" 3)" 3	15'0 18'0 24'0 26'0)")")"	Shale conglomerate mi Sundstone. Shale	1683.3			
!		\rightarrow	17'0	3:	27' 6 34' C	3" "	· · · · · · · · · · · · · · · · · ·	1681.8			
			21.8	3: 3: 3:	51' (53' 9) "	Shale.				
:			0'6	35	55' 6 56' 6 57' 6)*		- 1653.7 1653.2 1651.7			
;			15' 6 3' 6 1' 0	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	73' 6 76' 6)"↓	Shale. Sandstone. Shale.	16362 - 1633.2 - 1632.2			
			2' 6' 6' 6' 6' 6' 6' 6' 6' 6' 6' 6' 6' 6'	30 7 30 7 30	79' 0 35' 0 36' 0)" }"	sunusione	- 1630.2 1624.2 1623.2			
			13' 0)" 44 	00' 6	," !"	Sandstone.	- 1622.2 - 1609.2 - 1607.7			
,			2' 6 3' 6 2' 0 2' 6	7 4 C	02'6 05'0 08'6)' }''	Shale Sundstone Shale.	- 1606.7 - 1604.2 - 1600.7 - 1597.2			2 ·=2·
			1.0	4	14' C 18' € 19' C)" 5" 5"	Shale. Sandstone. Shale.	- 1595.2 1592.7 1590.2			
		\	2' C 3' C 4' C	1 46 1 46 1 46	20' (22' (25' (29' (), ,,,	Sandstone Shale Sundstone, soal mkgi	1589.2 1587.2 1584.2 1580.2			
			38.		42° C	>"		- 1567.2	End of B Hole 7		
			38 , 0		57'0		Shale.	+2 15 30 .2			
			6' 0 2' 0	Ĺ <u>a</u> .	73'0 '5' U	,- L	Sandy shale Shale	1536.2			
	•)						
				!							
			98' O	•			Conglomerate. haru 497-500'6'			ļ	
							V. hard, 517-5421, 563-565	, 		,	
				:	,						
				 		}					
	-		- 40	57	<u>3</u> ` 0 <u>"</u> 7` 3"		Shale sale 3'	14362	·		
			10' 0'	58	τ' ο'	' 5	Sundstone with shale.	14222			
-			15' 0'	60	2° 0"	^	Shale. 	-1407.2			
		-	12'0"		4' u"	-	Shale.	1395.2	·		
					•					:	
			"0 '6E "Ø '18				ionglomerate.				i
			·	653	s' o'	,,		1356.2			
-			8' 0'	66	1 ' Q"	<u> </u>	Conglomerated sandstone Conglomerate, V. hard 672'-675'	1348.2			
			5'0"	678	o' o"		vi hard 672-675' hale, vifine, wi coal mkgs.	1334.2			
			55' 0" 80' 0"			8	Shale.				
			· .					t			
			_		•						
			10' 0"	735 745		8	shale, coal mkgs.	12742			
,			12' 0"	757		S	hale.	12522			
					İ						
			56° 0"		i	c	onglomerate.				
					,		v. hara, 780'-787'				
_				පි රුත්	o "			1201.2			
			20' v"			S	hale.				
			10'0"	ઇટકે	"	S	andy shale.	11812			
	· · · · · · · · · · · · · · · · · · ·		10' 0"	838'	ŀ		hale.	1171.2			
_			ð, o,	84 <i>8</i> ' 857'	ŀ	S	undstone, coal. mkys.	1161.2			
	•		27'0"			S	andstone.				,
i 		:		884	0"		-	1125.2			
			e3' 0"			So	indy shale. v. hard, 896-907'			-	
	,			907	o"	, 		11022			
			15'0"	922		St	nale, hard.	10872			

Note: B.H. No. 75 was drilled by T. Green, Sept. 4 - Oct. 5, 1903, to a reported depth of 442 feet. This hole was resumed 1910, July 29 - Oct. 24, and drilled by J. Axelson and WIR Ball to a total depth of 982 feet.

Shale, hard and blue.

Shale, hard.

Sandy shale.

Shale, blue.

1079.2

1073.2

10642

1027.2

930' 0"

936' 0"

945' 0"

982' 0"

8'0"

6' 0"

9' 0"

37' Q"

W-77u

WESTERN FUEL CO. NO. I MINE

UNDERGROUND BORE HOLE 77 Foot of No.1 Incline, No.1 Level, No.1 Mine (S. 4462, E. 10590) Scale: linch = 20 feet.

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
	0'6"	o' o" o' 6"	Shule.	1437.9 Datum *2000'below M.
	22' 4" 1' 5" 5 5" 2' 4" 5' 3" 0' 5" 2' 1' 15' 0"	22' 10" 24' 3" 29' 8' 32' 0" 37' 3" 37' 8" 40' 0"	Sandstone. Conglomerate. Sundstone, conglomerate. Sundstone, pebbly. Sundstone, conglomerate. Sundstone. Sandstone, pebbly.	14000
	2' 9" 0' 3" 2' 0" 5' 8" 2' 10" 1' 2" 0' 5" 2' 115 1' 1" 0' 8" 0' 6½	74' 12	Sandstone Shale Sundstone COAL Bone 102 Newcastle Scam COAL Shale. Total coal-4'92" COAL Shale	1383.0 1380.2 1377.9 1377.9 1372.2 1369.4 1368.2 1367.8 1364.9 1363.9 1363.1

Drilled: Oct. 14 - Nov. 29, 1904. By: 1. Emblem, T. Green.



00720

L

W-78W

WESTERN FUEL CO. NO. I

B.H. 78 - UNDERGROUND

No.1 Level, Counter, behind stables of Protection Slope. (W.F.co-ords-5.1538, E.19,298)

SCALE : IIN. = 20 FEET.

SECTION	THICKNESS	ДЕРТН.	MATERIAL	ELEVATION	
	1' 6"	o' o''	Collar of hole Shale 1457.5'	1459+ Datum - 2000' belov	~M.5.L.
	21, 9,		Conglomerate.		
<u></u>		23' 3'		1435.75	
	32, 3,		Sandstone, with scattered pebbles.		
	1' 0" 2' 9 0' 3"	56' 0" 57' 0" 59' 9" 60' 0"	Shale. COAL. Bone.	1403.0 1402.0 1399.25	
	0, 3,	60' 0" 60' 4"	COAL. Sardy Shale.	1399.0 1398.25 1396.7	

Drilled: Dec.5-20, 1904. By: T. Green. W-79W

WESTERN FUEL CO. NO. I

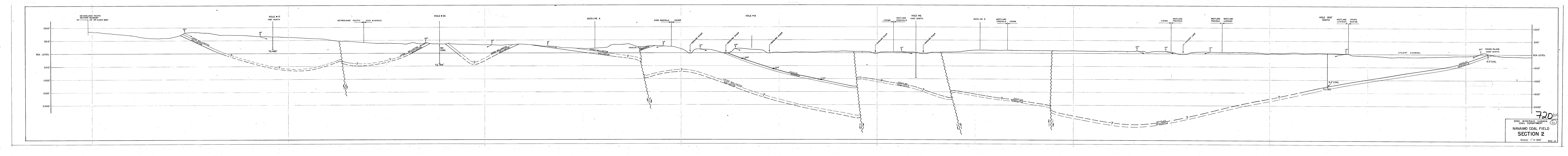
B.H. 79 - UNDERGROUND

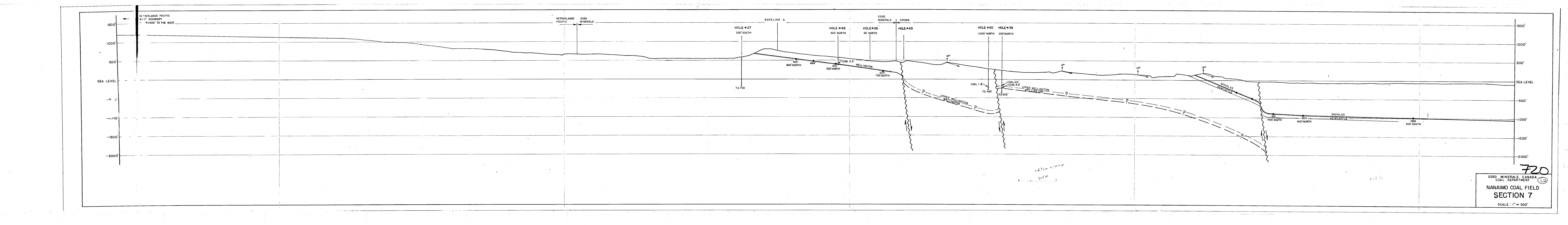
No. I Level at old overcast between No's I and 2 incline.

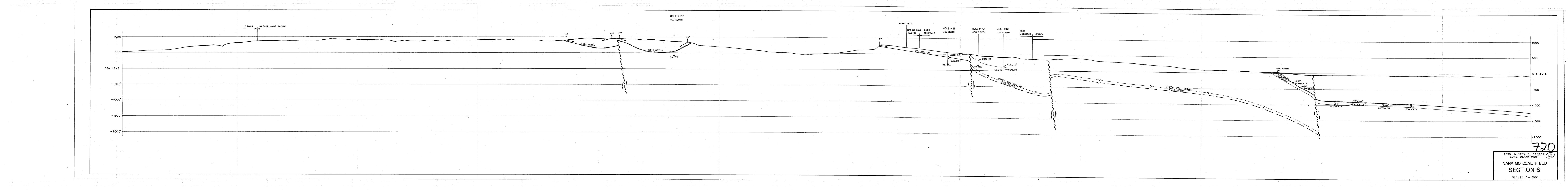
SCALE : IIN = 20 FEET.

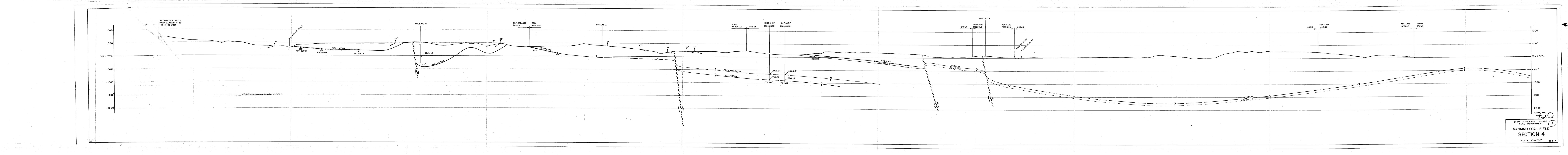
·					
SECTION	THICK NESS	DEPTH.	MATERIAL	ELEVATION	
	1 6	Q' 0" 1' 6"	Collar of hole Shale 1448.90	1450.40 Datum - 2000'below M.	S.L.
	24 3		Conglomerate.		٠
		25' 9"		1425.65	
	34' 3"		Sandstone, with scattered pebbles		
	3' 4" 0' 2' 2' 9" 0' 3" 1' 7' 0' 11"	60' 0" 63' 4' 63' 6" 66' 3" 66' 6" 68' 1" 69' 0"	Sandstone, coal mkgs. Shale. COAL. Bone. COAL. Sandy shale.	1390.40 1387.07 1386.90 1384.15 1383.90 1382.32 1381.40	

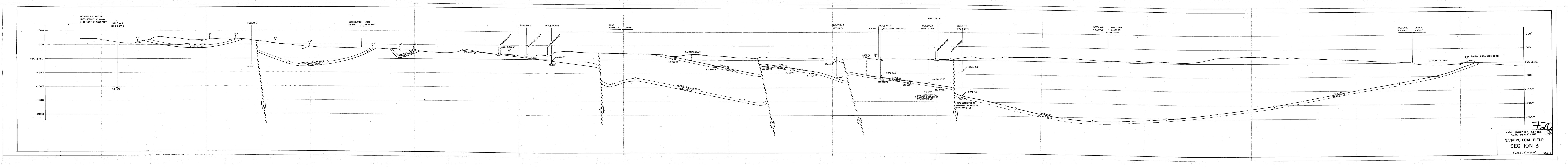
Drilled: Dec. 27, 1904 - Jan. 17, 1905. By: T. Green. 00720(56) (L8)

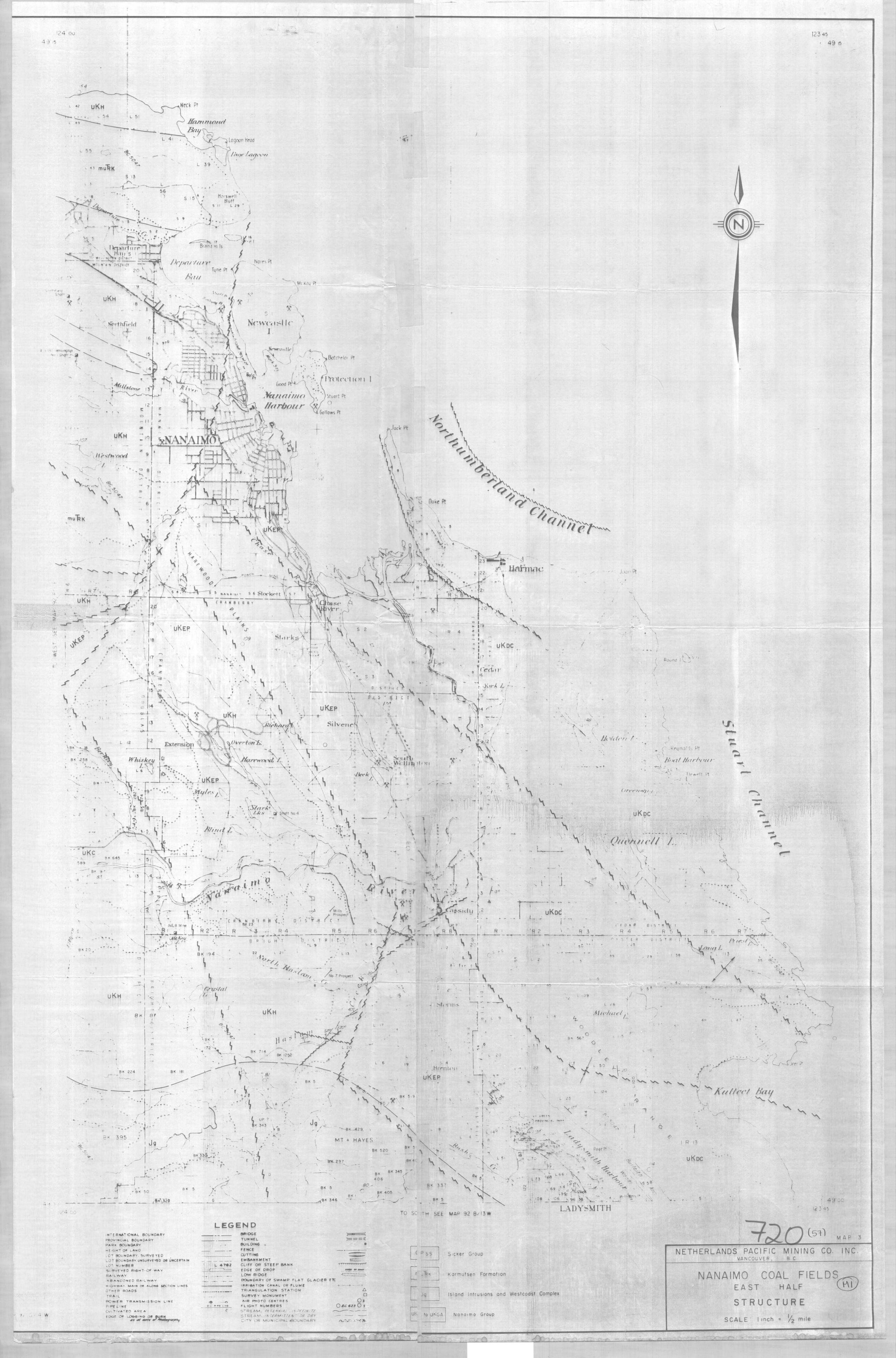












1	0720			. C.M.	P	1
	On Andrew Mo	B Kinnell's	BORE H	EL'LINGTON OLE NO. 1 near S.W. corner S. 13, R IN. = 20 FEET. MATERIAL	LLEVATION	
		61 011	DEPTH	-Collar of hole	Datum - 2000'below	M.S.L.
			36' 0"			
	17	61 0"		Shale, close-grained, slaty color		
		71 0"	212' 0" 219' 0"	Sandstone		
		5' 0"	244' 0" 249' 0" 253' 0"	Sandstone, shaly, with		DISTRICT FORMATION
		2' 0" 2' 0" 9' 0" 5' 0" 4' 0" 1' 0" 3' 0"	255 0" 268 0" 270 0" 279 0" 284 0" 288 0" 289 0" 292 0" 306 0"	Sandstone, shaly Sandstone Shale Sandstone		CEDAR
		11 611	308 ' 6" 310 ' 0" 310 ' 6"	Sandstone Shale Sandstone, shaly		
		16' 0"	375 1 O	Sandy shale, badly broken up, dip about 45°.		
		2' 2"	393' 2'	Sandstone, shaly.		
		56' 0"		Sandstone, coarse, granitic		
		20' 0"	490' 0'	Sandstone, close grained, grey Sandstone, dark, shall		
		12' 0" 5' 0" 1' 0"	519 ° 0" 524 ° 0" 525 ° 0"	fossils of vegetatn Sandstone Shale, dark, slaty Shale, dark brown, with coal markings. Sandstone, grey, close grained, hard		
		51 0" 11 0" 31 0"	552' 0" 564' 0" 569' 0" 570' 0" 573' 0"	Sandy shale Shale w. coal mkgs. 2" COAL Sandstone		
		261 0"	6041 01	Sandstone, shaly Sandstone		
		29' 0"	630' 0"	Sandstone, shaly		
		101 01	693' 0" 703' 0"	Sandstone, coarse grey Sandstone, shaly and broken		
		81 0"	724 ' 0" 737 ' 0" 745 ' 0"	Sandstone, coarse grey Sandstone, shaly Shale, slaty color		
		91 01	769' 0"- 773' 0"- 782' 0"- 786' 0"-	Sandstone, grey Shale, brown, carbonaceous Sandstone, shaly Shale, slaty color Sandstone, slaty and		
		7.1 On	791' 0' 798' 0'	broken Shale, dark, with sulphur and fossils of vegetation Sandstone		N FORMATION
		2' 0"	848' 0'- 850' 0'-	Sandstone, pebbly or fine conglomerate		PROTECTION
	5	61 01		Sandstone, grey		
		2 ' 0" 4 ' 0"	906' 0'-	Sandstone, pebbly, or fine conglomerate Sandstone, grey Shale, dark, badly broken and full of slips		
		9' 0"	946' 0'- 953' 0'- 982' 0'-	Sandstone, grey Shale, carbonaceous		
		91 0"	1012'0'-	Sandstone, grey Shale, slaty color		
		61 0"	1038'0'	Shale, broken, full of slips, dip 50°		
		21 01	1090'0'	Sandstone, dip 45° to 55° Sandy shale, broken and full of slips		b
		51 011	.130'0"	Sandstone, shaly, full of slips Shale, grey		
	22	1	168'0'—	Sandstone, dark grey Shale, dark blue, slaty, with fossils		
	3 5 4	1 0" 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	206'0'	OOAL, shaly (on log 2, (Shale, dark shaly, (with coal) COAL Shale, light grey Shale, blue		
		12 0" 12	240'0" \$	Shale, light grey, hard, flint-like Shale, blue Shale, blue and brown with coal markings hale, blue		
	4 1 1 2 1 3 1 4 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 1 1 1	0" 13 0" 13 0" 13 0" 13 13 0" 13	11 '0" Sa 12 '0" Ca 14 '0" Sa 17 '0" Sa 31 '0" Sa 33 '0" Sa	andstone onglomerate, fine andy shale onglomerate, fine hale, blue andstone, blue		
		130	62'0" 71'0" 81'0"	andy shale onglomerate, coarse onglomerate, fine		
	16' 8' 2' 1' 3' 4'	0" 140 0" 141 0" 141 0" 141	Sa 02 10 " 10 10 " Sh 12 10 " Sa 13 10 " Sa	andstone, blue ale, blue andstone andstone andstone andstone andstone andstone, shaly ale, blue		
	lote: Owing to inclination		Dr By	illed: Nov. 1908 (Prob : Diamond Drill Contra	. end)	

				.C.M.			
		McKinnell	BORE H	EL'LINGTOI HOLE NO. I near S.W. corner S. IS IN. = 20 FEET		Cedar.	
	SECTION	THICKNESS	DEPTH	MATERIAL Collar of hole	D	ELEVATION Hotum -	
		361 01		Surface wash * (clay and sand)	+2	roop'belo	MAS.L.
			561 O"				
	NA PARTY IN						
		176" 0"		Shale, close-grain	ned;		
		71 0"	212' 0"	Sandatone			
		251 01		Sandstone, shaly			FORMATION
		5' 0"	249' 0"	Sandstone, gray Sandstone, shaly,	with		DISTRICT FORM
		13' 0" 2' 0" 5' 0"	2701 01	Sandstone	ing.		CEDAR I
		1' 0" 3' 0" 14' 0"	289 1 01	Shale Sandstone Sandy shale			
		2' 6"	308 6	Shale Sandatone Shale			
		64 6		Sandatone, shely			
	1	16' 0'	391 0	Sandy shale, bad, broken up, dip a 45°.	ly bout		
		20 10	393! 2	Sandstone, shaly	•	7	*
		56' 0		Sandstone, course granitio	¥		
		201 0	470' 0	Sandstone, slose			
		15' 0'	490' 0	Sandstone, dark,			
		2' 0'	507' 0 519' 0 524' 0	Shale, dark, with fossils of veget Sandstone Shale, dark, slat	atn.		
		18' 0'	525 0	Shale, dark brown with coal markin Sandstone, gray, grained, hard	les.		
1		9' 0"	564 0 0 569 0	Sandstone, grey Sendy shale Shale w. coal mas			
		31 0"	570 0	2ª COAL			
			604' 0'	snaly			
		261 0"	650' 0"	Sandstone			
		291 0"		Sandatone, shaly			
			6591 0"				
	± V	341 01	6931 01		еу		
	X	21' 0"	703' 0'	Sandstone, shaly broken Sandstone, coarse			
		13' 0"	737 0	Sandstone, shaly			
		241 0*	745' 0'	Shale, slaty colo	r		
		91 01	773' 0"	Shale, brown, carbonaceous Sandstone, shaly			
	X	5' 6"	791' 0"	Shale, sisty colo Sandstone, slaty broken Shale, dark, with sulphur and foss of verstation	and		X
		501 0"	798* 0*	Sandatone '			FORMATION
		2' 0"	846 * 0 *	Sandstone, nebbly	or		- PROTECTION
		0,1	850* 0*	fine conglonerst	0		
		561 0"		Sandstone, grey			
		12' 0"	9061 01	Sandatons, pebbly			
		241 01	918 0 0 922 0	Shale, dark, badly broken and full	,		
		7.1 0"	946' 0	broken and full saling			
		291 01		Shale, carbonaceou	1.9		
		301 01	982' 0'	Sandatone, gray			
		91 01	1012 0	Shale, slaty color			
			103810	Sandstone Shale, broken, ful	1		
	3	16' 0"	1054 10	Shale, broken, ful of slips, dip 50°			
		36' O"		Sandatone, dip 45° to 55°			
	1	12' 0"	1090'0	Sandy shale, broke and full of alips	n		
		281 0"	1130'0"	Sandstone, shaly, full of slips			
		16' 0"		Shale, prey			
		22' 0"	1168'0	Sandatone, dark pr	ey		
		57 1 0 1	1205'0"	Shale, dark blue, slaty, with fossi of vegetation			
		3' 9" 5' 3"	1206 (0)	COAL, shaly (on lo (Shale, dark shaly (with coal) COAL Shale, light grey	2		
		4 0 1	1219 101	Shale, blue Shale, light grey, hard, filint-like Shale, blue			
		21 01	1240 0	Shale, blue and browith coal markings) WA		
		65 ' 0"		hale, blue			
			3	7. 5146			
		1' 0" 1 2' 0" 1	312 10" 0 314 10" S	andstone onglomerate, fine andy shale			
	THE WAY	14' 0" 1	317'0" 0 331'0" S	onglomerate, fine hale, blue andstone, blue			
	Market A	and the second second second	562 10"	hale, blue			
		101 0"	571'0" S	andy shale onglomerate, coarse onglomerate, fine			
		16 ° 0 ° 14 ° 14 ° 14 ° 14 ° 14	5: 10:0" SI	hale, blue andstone onelomerate, fine			
		3' 0" 14	15'0" St	englowerate, fine andstone, shaly hale, blue			

NEW VANCOUVER COAL CO. SOUTHFIELD

BORE HOLE 61.
North of No. I slope, Southfield Mine, Sect. 3, Nanaimo District.

Scale: linch = 20 feet.

Section	THICHMESS	DEPTH	MAT ERIAL	ELEVATION	
	2' 10"	o' o" e' 10"	Collar of hole		
		2 10		Datum - 12000 balou	M.S.L.
	27' 2"		Conglomerate.		
	3' 4"	30' 0" 33' 4"	Shale.		
	4 5 2 6 2 2 2	37' 9" 40' 3" 42' 5"	Conglomerate. Shale. COAL(at 40' 3").	1	
	7' 2" 1' 9" 0' 6"	49' 7" 51' 4" 51' 10"	Shale, coal mkgs, Shale,	1	
	0' 6" 0' 6" 0' 8"	52' 6" 53' 6"	Shale and coal.	4 - 1	
<u>.</u> :	27' 5"	54' 0"	COAL (at 53' 6"). Shale.	- ;.	·
	0' 2" 0' 6" 2' 2"	81' 5" 81' 7" 82' 1"	COAL (at 81'5"). Shale.		
	~ 22	84 ¹ 3 ¹	Shale, coal mkgs.		
	5ť a"		Shate.		
	0' 4"	135' 6"	Sandstone.		
	20' 2"	156 0*	Shale.		
	18' 6"	157' 0"	Conglomerate. Shale.	-	
•	0' 11"	(75' 6" 76' 5"	Shale, coal mkgs.		
	4' 7" 5' 3"	186' 3"	Shale, coal mkgs.	-	:
	19' 3"		Shale.		
		e05' 6'			

Drilled: Aug. 12-21, 1900. By:

NEW VANCOUVER COAL CO. SOUTHFIELD

BORE HOLE 62

West of Southfield grade, north of No. 1 slope, Southfield Mine, Sect. 3, Nanaimo Dist.

Scale: linch = 20 feet.

Saction	THICKNESS	Дыргн	MATERIAL	ELEVATION
	5' 0" 4' 6" (3' 0"	o' o" 5' 0" 9' 6"	Surface soil.eta Conglomerate Shale.	Oatum - teooo'below M.S.L.
	5' 9" 4' 1" 4' 5' 3' 1" 1' 1" 0' 5"	28' 3" 32' 4" 31' 9" 31' 9" 41' 10" 43' 9"	Shale. COAL (at 43'9")	
	3' 3" 3' 3" 3' 1" 4' 0" 4' 0"	44' 3" 49' 3" 52' 6" 53' 0" 56' 1" 60' 1"	Coal and shale. Shale. Shale. Shale with coal mkys. Shale with coal mkys. Shale with coal mkys.	
	1'0"	80' 8" 81' 8" 84' 4"	Sandstone. Shale.	

Drilled: Aug. 28 - Sept. 14, 1900. By:

NEW VANCOUVER COAL CO. SOUTHFIELD

BORE HOLE 63

West of Southfield grade, north of No.2 slope, Southfield mine, Sect. 3, Nanaimo Dist.

Scale: linch = 20 feet.

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
		0' 0"	- Collar of hole	
	ાક, હ .			Datum - 2000'bebw M.S.L.
		19' 6"		
	5' (1"	25' 5"	Boulders.	
		•		
	35' 7"		Conglomerate.	
	2, 0,	61' 0" 63' 0"	Shale and conglomerale, mixed	
eropos, o Mon. 1/11 /April 1	50, 8 ₄	.	Conglomerate.	
		83 9"		
	0' 10"	85' 4" 86' 2"	Shale. Coal and shale.	
	1' 10"	88' 0"	Shale.	j
	38' 0"	128,0	Conglomerate.	
	1, 0,	127'0	Shale.	
	1' 8"	134' 0"	Conglomerate. Sandstone.	1
	0' 3"	135' 8"	Shale and coal.]
	1' 8" 0' 3" 1' 5" 2' 0"	137' 4"	Conglomerate.	
		139' 4"	Sandstone	
	· 44' 1"		Conglomerate.	
		183' 5"		1 1
	(q, A,		Stude.	
	1' 5"	200' 2"	Shale, coal mkgs.	†
	0' 5"	201' 7"	Coal and shale.	
	6' 10"	508, 10,	Shale.	
<u> </u>	L	 		

Drilled: Sept. 18 - Oct. 8, 1900. By:

NEW VANCOUVER COAL CO. RESERVE

BORE HOLE 64.

On Fiddick's re		of N.E. con	HOLE 64. , \$.15, R.7, Cranberry Distric	: t.	
<u> </u>	s	cale: line	sh = 20 feet.		
SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION	
		o' o"	- Collar of hole	2010-0 Datum - †2000 belo	1451
	26' 0"		Surface soil, etc.	2000 0010	~ 14.0.2.
		26' 0"		1984.4	
	10' 6"	36' 6"	Shale.	1973.5	•
	0' 8" 5' 10"	37 2" 43 0"	COAL (at 36' 6") Shate.	1972.6 1 9 67.0	
	13' 7"	56' 7"	Sandstone.	1953.4	
	0' 9" 3' 0"	57' 4" 60' 4"	COAL (at 56' 7") Shale.	1952.6 1949.6	
	15' 4'	75 6	Sandstone.	1934.3	
	14	76' 8" 78' 0"	Shale. Sandstone.	1983.3 1932.0	
	25' 6"		Shale.		
	0' 2" 4' 0"	101 6	COAL (at 101' 6") Shale.	1908.5	
	7 9	105 8	Sandstone. Shale.	1904.3 1896.5 18 9 5.5	
	8' 3" 7' 4"	114 5	Sandstone, shale mkgs. Sandstone,	1689.2	
	11' 0"	158, 0,	Shate.	1681.9	
	3, 0, 5, 0,	189' 0" 141' 0" 144' 0"	Shale, coal mkgs.	1870.9 1865.9 1865.9	
	5' 1" 6' 6"	149' 1" 149' 2" 155' 8"	COAL (at 149' 2")	1860-8 1860-7 1854-2	
					•
,	26' 0"	`	Sandstone		
	4 7"	181' 8" 186' 3"	Shale.	1828.2 1823.6	:
				,	
	48' 6"		Sandstone.		
:					
		234' 9"		1775-1	unio de la companya d
	6' 9"	241 6" 242 6"	Shale. Shale	1768-3 1767-3	
	19' 9"	245' 3"	Sandstone.	1766.5	
	4' 0"	263° 0" 267° 0"	Shale.	1746.7 1742.7	
	10' 6	277 6	Sandstone.	',	
	6' 0"	283 6" 284 9"	Shale. Sandstone.	1732.2 1726.6 1724.9	
	6' 6"	291' 3"	Sandstone, shale mkgs.	1718.4	
	38' [["		Sandstone.		-
,	2' 6"	330' 2" 332' 6"	Sandstone, conglomerate mk	1679.5 1677.0	
	9' 9"	1 344 6	Danasione, conglomerate mkgs	- 1667.2 - 1665.4	•
	0' 5" 0' 1" 0' 4"	344 7	Shale. Conglomerate.	1665.0 1664.9 1664.6	
	5' 5" 8' 0" 10' 3"	350'5"		1650.2	,
	5' 0"	373 8"	Sandatone,	1640·9 1635·9	
,	10, 0,	384' 8"	Sandstone, shale mkgs.	1624.9	
	2' 0"	388' 8"	Conglomerate. Sandstone.	1623.9 1621.9 1620.9	
	10' 10" 3' 0"	1 201 2	Shale.	1618.4 1607.6 1604.6	
	5' 0" (' 3" 6' 0"	410' 0"	Sandstone. Shale.	1599.6 1598.3	
	10	417' 3" 418' 3"	Chala	1592.5	
	18' 10"	יייבע	Sand stone	1670 "	
	5' 0"	437' " 442' "	Shale.	1572.5 1567.5	
	10'8" 5 10"	452' 9"	Sandstone. Shale	1556.0	
`	10' 0"	458' 7"	Sandstone, shale mkgs;	(551.0	
		468' 7"		1541-0	
	29' 5"		Sandstone.		
		498' 0"		م بنها	•
	- 14' 1"	440 0°	Shale.	15 1.6	
	2'0"	512' (" 514' 1"	Sandstone.	1497.5 1495.5	•
	15' 4"		Shale.		
	15' 7"	529' 5"	Sandstone.	1480.2	
		545' 0"		1464.6	
	· 44' 0" :		et 1		
	44 0		Shale.		
		son! "			
	1' 0" 5' 0" 3' 7"	589' 0" 590' 0" 595' 0"	Sandstone, shale mkgs. Shale. Shale, coal mkgs.	1420-6 1419-6 1414-6	
	3 (598' 7"	-siute i tout mkgs.	1411.0	
	. 26' 5"		Shalę.		
		627' O"		1382.0	
	0' 4" 0' 4" 0' 8"	627' 4" 627' 8" 628' 4"	Shale and coal. COAL (at BZT' 4") Shale and coal.	1382.8 1382.3 1382.0	
	3' 3" 0' 6' 0' 5'	631' 7" 632' 1" 632' 6"	COAL. (at 628' 4") Coal and shale. COAL. (at 632' 1")	1578.0 1577.5 1377.1	
	2' 6'	632' 10" 635' 4" 636' 4"	COAL (dirty) Shale. Coal and Shale.	1576.8 1374.8 1373.3	
	e' 0"	638' 4" 640' 0"	Shale. Shale, coal mkgs.	1373.3 1371.3 1569-6	
_	l	_ 1			93

65

W-65

NEW VANCOUVER COAL CO. HAREWOOD

BORE HOLE 65 By Harewood reservoir, 180'E.N. E. of N.W. cor., S. 5, in Sect 2, Nanaimo Dist.

	•	Scale: 1 ii	nch = 20 feet.		
SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION	
	10'0"	10'0"	Sandstone	Datum †2000'belo	w M.S.L.
	24' 6"		Conglomerate.		
	3' 0"	38' 0" 41' 0"	Sandstone.	_	
	38' 0"		Conglomerate.		,
	2' 0"	79°0" 81°0"	Sandstone.		
	40' 6"		Conglomerate.		
	1' 6"	121' 6"	Sandstone, coal mkgs.	,	
	26' 8"		Conglomerate.		
		149' 8"			
	36' 4"		Shale.	:	
	1' 6" 0' 6"	186'0" 187'6" 188'0"	Sandstone. Conglomerate.		
	43' 0"		Shale.		
	4' 0*	231' 0" 235' 0"	Conglomerate.	·	haber our access
	43' 0"		Shale.		
	.9° 0"	278' 0" 287' 0"	Sandstone.		
	21' 0"	308' 0"	Conglomerate.		
	5' 0"	313' 0"	Shale. Conglomerate.		
	14' 0"	329' 0"	Shale.		
	2, 0, 5	343' 0" 345' 0" 347' 0"	Sandstone. Shale.		

Dritted: Dec. 20, 1900 - Feb. 9, 1901.

By:

NEW VANCOUVER COAL CO. **HAREWOOD**

BORE HOLE 66
1300'W.N.W. of S.E. con, Sect.4, Nanaimo Dist.

Scale: | inch = 20 feet.

Section	THICKNESS	Оергн	MATERIAL	ELEVATION	
	2' O"	o' o" 2' o"	Collar of hole	Qatum - †2000'belo	w M.S.L.
1		:	·		
·	1 <i>26</i> ' 5"		Conglomerate		
, ,					
		· -			
	5' 7' 2' 0" 0' 6"	188' 5" 134' 0" 136' 0" 136' 6"	Shale. Sandstone. Shale.		•
	2' 0" 6" 4' 5" 0' 6" 0'	140' 11" 141' 5" 142' 10" 143' 3" 143' 5"	Conglomerate. Shale. COAL. Shale. COAL. Coal and shale. COAL.		
	0, 6,	143' 3" 143' 5" 143' 11" 146' 4" 146' 5" 146' 11" 147' 5"	Shale. COAL (dirty) Shale.		

Drilled: Jan. 11 - Feb., 1901.

By:



NEW VANCOUVER COAL CO. HAREWOOD

BORE HOLE 67 Near Harewood Shaft, 500 'S.W. of N.E. cor., S.20, R.I. Cranberry District.

Scale: linch = 20 feet.

Section	THICKNESS	DEPTH	MATERIAL	ELEVATION
	2' 0"	o' o"	Surface soil.	Datum - +2000 below M.&L.
			*	
ĺ	119'0"		Conglomerate.	
,				
			•	
			·	
N 181 (F 28	11' O"	121'0"	Shale.	
		132' 0"	COAL	
	0' 5" 0' 8" 4' 0" 3' 11" 2' 0" 2' 0" 2' 0"	132' 0" 132' 5" 133' 1" 137' 1"	COAL (dirty) COAL (clean)	
	3' 11"	141 0"	Shale.	
	$\left\{\left\{\left(\frac{2}{5},\frac{3}{5}\right)\right\}\right\}$	143' 0"	Sandstone. COAL	
	$\left\langle \underline{z}, \underline{\sigma}, \overline{\sigma} \right\rangle$	143' 0" 145' 0" 147' 0"	Shale.	

Drilled: Feb. 16 - Mar. 5, 1901. By:



NEW VANCOUVER COAL CO. HAREWOOD

BORE HOLE 88 1000' East of N.W. cor., Sect. 19, R.2, Cranberry Dist.

Scale: linch = 20 feet.

	 				•
Szerion	THICKNESS	DEFTH	MATERIAL	ELEVATION	
<u> </u>	5' 0"	0' 0']
		7 20		Datum 2000 belo	W M.S.L.
	11' 0"	Į.	Conglomerate.		
	1' 0"	16'0"		1	
		1			
	·				
	49' 0"		Conglomerate.		
			·] .	
,					;
	,		·		
	0' 7"	66' 0" 66' 7"	Shale.	-	
	0' 1" 5' 5 "	72' 0"	Conglomerate.]	
	10' 0"		Shale.		
	5' 0"	82'0"	Sandstone.	1	•
		87' 0"		1 1	
	69' 0"		A. 1. 1.]	
	690	_	Conglomerate.		
.				`	
				!	
		156 0"			
	4' 0"	160'0"	Shale.		
	17'6"		Conclamants		
	11 0		Conglomerate.		
	8, 8	177 6"	Sandstone.		
1		, 55 0			
	23' 6"		Conglomerate.	1	
-	-	İ	and the second second	}	
·	·	203' 6"		1	
•	9, 6,	I	Shale.		
	2' 3"	215' 3'	COAL (at 213' O")		
	7' 3"		Shale.		
			COAL (at 222' 6")		
	0' 3"	226' 0"	COAL (at 226' 0")	1	
	0' 81	284' 0"	Shale.		
	9. 81	240' 0"	COAL (at 222° 6°) Shale. COAL (at 226° 0°) Shale. COAL (at 284° 0°) Shale. COAL (at 240° 0°) Shale. Sandstone.		
	7 5"	240' 7"	Shale.		
`	5.0,	250' 0"	Sandstone.		

Drilled: Mar. 9 - 29, 1901. .
By:

NEW VANCOUVER COAL CO. **HAREWOOD**

BORE HOLE 69 1000' W.N.W. of S.E. con, S.19, R.2. Cranberry District.

Scale: | Inch = 20 feet.

SECTION	THICKNESS	DEPTH	MATERIAL	ELEVATION
		o' o"	- Collar of hole	
	5' 8"	5' 8"	Surface soil, etc.	Datum - †2000 below M.S.L.
	40' 8"		Conglomerate.	
	5' 4" 1' 4" 0' 2" 3' 4" 5' 7" 10' 8"	46' 4" 51' 8" 53' 0" 53' 2" 56' 6" 62' 1"	Sandstone. Conglomerate. Sandstone. Shale. Conglomerate. Conglomerate with coal and shale mkgs.	
	46' I"	(L V	Conglomerate.	
	3' 0" 1' 2" 4' 4" 3' 0" 1' 5" 2' 0" 0' 4" 22' 3" 0' 1" 1' 7" 0' 11" 10' 3" 4' 10" 3' 0"	151' 9" 153' 9" 153' 11" 156' 6" 156' 7" 158' 2" 159' 1" 169' 4"	Sandstone. Conglomerate. Conglomerate, coal mkgs. Conglomerate. Shale, coal mkgs. Shale. Conglomerate. Shale. Conglomerate. Shale. Conglomerate. Shale. Shale. Shale, coal mkgs. Shale, Shale, Shale, Sandstone. Shale.	
	58' 3"		Conglomerate.	
	53' 5"	235' 5" 287' 3"	Shale. Conglomerate.	
	2' 4" 8' 6"	290' 8 " 293' 0"		
	2' 8" 0' 2" 0' 4" 1' 6" 0' 6" 1' 6" 0' 6" 1' 6" 0' 6" 1' 6" 0' 2" 2' 11" 1' 0' 9' 0" 4' 4" 4' 4"	304' 2" 304' 4" 306' 2" 306' 8" 307' 2" 308' 8" 309' 2" 310' 8" 311' 2" 316' 11" 317' 1"	Shale. Shale and coal. COAL (at 304' 4") Shale. COAL and shale. COAL (dirty) Shale. Shale and coal. Shale. COAL and shale. COAL and shale. Shale. Shale. Shale. Shale. Shale. Shale. Shale. Shale. Shale.	

Drilled: Mar. 28 - May 15, 1901.

By:



NEW VANCOUVER COAL CO. HAREWOOD

BORE HOLE 70 1400'W.S.W. of N.E. cor., Sect. 18, R.2, Cranberry Dist.

Scale: linch = 20 feet.

Scale: Timen - 20 Teet				
SECTION	THICKMESS	ОЄРТН	MAT ERIAL	ELEVATION
		o' o"	Collur of hole	
	4' 0"	4 0"	Collar of hole Surface soil, etc.	Datum -
	\			t2000'below M.S.L.
			Conglomerate.	1
-	24' 0"		Congromerate.	
	1'0"	28' 0"	Sandstone.	
		59, O ₄		<u> </u>
	25' 0"		Conglomerate.	·
		54' 0"		1
	12' 6"		Shale.	
		66' 6"		·
	10' 6"		Sandstone.	
		77' Q"		
	9' 8"		Shale.	
		86' 6"	Conglomerate.	
	1' 7" 0' 2"	88' (* 88' 3"	Shale purting.	<u> </u>
		<i>55</i> 5] .
		·		
		·]
	40' 9"		Conglomerate.	
		129'0"		1
	6, 0,	135' 0"	Shale.	
	5' 0"	140' 0"	Sundstone.] '
		140 0		
	27 8"		Conglomerate.	
]
,				
	1 6	167' 6" 169' 0"	Sandstone.]
	Ì	•		
	28' 0"		Conglomerate	
			Congression	
	,			
	0' 12	195' 0"	Shale parting.	
,		(00 (2		
	,			
			•	ļ ·
			Caralamarata	<u> </u>
	77 6½		Conglomerate.	
]			
	1			
		,		
			,]
,	.4 0	272' 8"	01	
	4' 0" 0' 3"	276 8	Shale. COAL.	-
	0' 3" 0' 2" 0' 3" 2' 8" 5' (0" 2' 2" 2' 0" 0' 2"	278' 11"		1
	0' 3" 2' A"	277' 1" 277' 4" 280' 0"	COAL. Shale	-
	5' 10"	280' 0" 285' 19"	Ourita stotte.	1
	2' 2"	288' 0"	Shale.	
	0' 2"	290' 0"	Shale parting.]
	2' 6"	292'8"	Sandstone. Shale.	1
		304' 0"]
!		<u> </u>	•	

Drilled: Apr. 4 - May 24, 1901.

00720 (597)