

BORE HOLES. TSABLE RIVER FIELD.

TR-SERIES

L1
00694

Bore Hole No	District	Block No.	Bore Started	Bore Finished	Elev. above N.W.M. Union Bay	No. 1 Coal Section	Depth	No. 2 Coal Section	Depth	No. 3 Coal Section	Depth	No. 4 Coal Section	Depth	No. 5 Coal Section	Depth	Total depth of borehole	Depth to trap	Analysis	Remarks	
23	Nelson	L. 326 S. 2A	Nov 24 20	Jan. 19 21	394.0	Broken Brown Shale Dirty Bkn Coal 1'6" Broken Brown Shale	379'6"	Sandstone Dirty coal 1'0"	459'0"	Sandstone Coal 2'0" Broken Shale 2'0" Bony Coal 1'0" Coal 1'4" Shale 2'8"	627'4"	Hard Black Shale Coal 2'0" Sandy Shale 3'6" Coal 3'6" Shale 6" Coal 1'4" Shale 5" Coal 3'1" Shale 3'1" Coal 3'2" Black Shale 1'10"	783'2"	Hard Broken Shale & Sandstone Coal 6" Hard Shale	798'9"	830'0"	816'0"	Seam No 6 Moisture 1.3 Volatile Matter 32.90 Fixed Carbon 47.07 Ash 20.05 Sulphur 0.92 100.00	Drilled by J. B. Berglund	
24	Nelson	34	Aug. 1 20	Aug. 4 20	635.0	Shale 4'6" Coal 3'0" Shale 3'0"	88'0"	Coal bony 2'0" Shale 3'0"	118'0"							125'0"	121'0"		Drilled by J. G. Thompson	
25	Nelson	L. 336 S. 2A	Aug 26 1920	Nov. 8 1920	321.3											450'0"	Hole caved		Drilled by J. G. Thompson	
26	Nelson	L. 356 S. 2A	Sep. 5 1920	Oct. 28 1920	193.0	Layers of sand, coal & sulphur 6" Coal 2'0" Black shale 1'4"	615'6"	Sandstone Shale 1'0"	680'0"	Sandstone Broken coal 8" Shale 4" Broken coal 6" Shale 1'6"	765'6"	Broken shale 6" Bony coal 5" Sandstone 10" Shale 10" Coal 2" Shale 4" Coal 3" Shale 6" Coal 6" Shale 8" Coal 6" Shale 6" Coal 6" Broken shale 3'0"	1027'6"	Soft bkn coal 11'6" Broken shale 1'0" Coal shale 4'0" Broken shale 1'4" Coal 2'6" Shale 6" Coal 1'6" Hard Bkn Black shale	1034'0"	Hole not drilled to trap owing to trap cave	Drilled by J. B. Berglund			
27	Nelson	34	Dec. 21 1920	Jan. 15 1921	760.0	Sandstone Coal 6" Shale	97'6"	Sandstone Coal 1'0" Coal & shale 1'0" Shale	132'0"								144'0"	138'0"		Drilled by J. G. Thompson
28	Nelson	34	Jan. 22 1921	Feb. 5 1921	713.0	Hard Pan & Pebbles Coal & Shale 3'0" Sandstone	88'0"	Shale 1'0" Coal 5'0" Bony Coal 3'0" Clay Shale 2'0"	142'0"								154'0"	144'0"		Drilled by J. G. Thompson
29	Nelson		Feb. 1 1921	Mar. 9 1921	453.5	Sandstone Coal 1'10" Mud Sandstone	403'10"	Sandstone Dirty Coal 0'3" Shale	468'3"	Sandstone Coal 0'5" Sandstone 0'2" Coal 0'3" Sandstone	482'10"	Bkn. Shale Bkn dry Co. 0'10" Bkn Shale 0'6" Bkn Coal 1'2" Sandstone	514'8"	Sandstone Bkn Coal 0'8" Shale	602'8"	643'0"	637'5"		Drilled by J. B. Berglund	
30	Nelson	34	Feb. 12 1921	Feb. 20 1921	676.0	Sandstone Coal 2'0" Shale 1'6" Coal 2'0" Shale	127'6"										141'6"	131'6"		Drilled by J. G. Thompson
31	Nelson		Mar. 2 1921	Mar. 8 1921	388.0	Sandstone Coal 0'6" Sandstone	71'0"	Sandstone Coal & Sh. 2'0" Sandstone	108'0"	Sandstone Coal 3'0" Shale	221'0"	Sandstone Coal & Sh. 5'0" Shale	279'0"				291'0"	285'0"		Drilled by J. G. Thompson
32	Nelson		Mar. 18 1921	Mar. 23 1921	366.0												150'0"	142'0"		Drilled by J. G. Thompson
33	"		Mar. 18 21	May 21 21	478.0	Coal 1'1"	678'1"	Coal (Dirty) 5'4"	786'6"	Coal (clean) 2'0"	834'0"	Coal (clean) 3'8"	842'0"				850'0"	843'0"	Seam No 2 Moisture 1.20 Volatile Matter 36.13 Fixed Carbon 48.26 Ash 15.61 100.00	Drilled by J. B. Berglund
34	"		Apr. 4/21	Apr. 6/21	863.0	Shale 1'0" Coal 3'6" Shale 1'0"	68'6"										90'0"	73'0"		J. G. Thompson
35	"		Apr. 16/21	Apr. 30/21	925.0	Coal 0'6"	205'6"										239'0"	230'6"		J. G. Thompson
36	"		May. 8/21	May 28/21	794.0	Coal 2'0"	83'0"	Coal 1'6"	241'0"	Coal 1'0" Shale 5'0" Coal 4'10"	261'10"						272'0"	267'10"	Seam No 3 Moisture 1.25 Volatile Matter 36.78 Fixed Carbon 48.39 Ash 13.58 100.00	J. G. Thompson
37	"		May 31/21	June 29/21	487.0	Sandstone Coal 9" Shale	158'2"	Sandstone Coal (lumpy) 6" Coal (slakey) 6" Shale	789'0"	Brown Shale Dirty Coal 6" Clean Coal 2'8" Coal & Shale 3" Sandstone	213'2"	Shale Coal (soft) 3'0" Shale	278'4"	Sandstone Coal 1'9" Dirty Coal 2" Dark Shale 1'4" Dirty Coal 6" Clean Coal 1'7" Brown Shale 5" Coal 1'9" Shale 3" Coal 3" Coal & Shale 3'3" Trap	431'11"	431'11"		F. H. Wall		
38	"		June 3/21	June 11/21	856.0												125'0"	110'6"		J. G. Thompson
39	"		June 19/21	July 26/21	1016.6	Coal 6"	417'6"	Coal & Shale 3'0"	455'0"	Coal 1'0" Shale 1'0" Coal 2'0"	602'0"	Coal 5'6"	806'6"	Shale with Coal markings 12'0"	866'0"	870'0"	866'0"		J. G. Thompson	
40	"		July 11/21	Dec. 11/21	504.4												1167'0"	1159'6"		F. H. Wall
41	"		Aug. 7/21	Sept. 24/21	1102.1	Sandy Shale Bony Coal 6" Shale 5'0" Coal 2'6" Shale	678'0"	Sandstone Coal (slakey) 6" Shale	789'0"	Shale Coal 2'0" Shale 4" Coal 3'0" Coal (soft) slakey 3'3" Coal (soft) dirty 11'0" Shale	255'0"	Shale Coal (soft) 3'0" Shale	263'0"	Shale Coal 1'0" Shale 1'0" Sandstone	275'0"	1040'0"	1030'0"	Seam No 3 Section A B Moisture 1.05 1.14 Vol. Matter 35.47 32.59 Fix. Carbon 51.04 52.89 Ash 8.44 10.35 100.00 100.00	J. G. Thompson	
42	"	51 of 52 A	May 11/43	Jun. 8.43	556.0	Coal 3'6"	96'6"	Coal 2'0"	129'6"								154'0"			
43	"	51 of 52 A	Jan. 11.43	Jan. 31.43	523.3	Coal 1'0" Coal 2'0"	52'0"	Coal dirty 2'0"	64'0"								87'0"	74'0"		Drilled by J. Anderson. with 5" (1 1/2") bit
44	"	L. 326 Bk. 34	Jun. 26.43	July 16.43	534.7	Dirty Coal 6"	15'0"	Coal 1'6" Coal 3'6" Sandstone 2" Coal 5'6"	127'0"								140'0"			No coal cores recovered
45	"	Bk. 34	Aug. 2.43	Aug. 6.43	615.1	Coal 3'6"	34'0"										36'0"			

8/27/1919

Canadian Collieries (Dunsmuir) Ltd.
Cumberland B.C.

BORE HOLES. TSABLE RIVER FIELD.

TR-SERIES

L2

00694

Bore Hole No.	District	Block No.	Bore Started	Bore Finished	Ele. above Min. Mt.	No. 1 Coal section	Depth	No. 2 Coal section	Depth	No. 3 Coal section	Depth	No. 4 Coal section	Depth	No. 5 Coal section	Depth	Total depth of borehole	Depth to Trap	Analysis	Remarks		
1	Nelson	33			410.0	Coal 1'-8" Hard shale 1'-6" Coal 2'-0" Coal shale 1'-2"	936'-9"									1088.3'	987.9'				
2	"	33			378.0											896'-10"	883'-11"		Blank		
3	"	93	Nov 09		914.0	Bony coal 10" Coal 1'-7" Bony coal 1'-0" Coal 7" Bony coal 7'-8"	587'-3"	Coal 5" Shale 5" Coal 5" Shale 5" Coal 1'-10"	678'-8"							833'-0"	818'-9"				
4	"	93			961.0											221'-4"	176'-4"		Blank		
5	"	34	Apr 1-19	Apr 25-19	859.0	Shale 4'-0" Coal 2'-0" Shale 3'-0"	128'-0"	Coal 1'-0" Shale 6" Coal 6" Shale 6" Coal 2'-0"	249'-6"	Sandstone 1'-6" Coal 1'-6" Brown shale	296'-6"	Shale 3'-0" Coal 3'-0" Shale	377'-10"			420'-0"	409'-0"	No. 4 Top bench Moisture 1.90 Vol. matter 34.13 Fixed carbon 52.30 Ash 13.55 Sulphur 600.00 Lower bench Moisture 0.95 Vol. matter 36.04 Fixed carbon 49.10 Ash 23.16 Sulphur 70.00	Length of core obtained from Seam No. 4 was 57'. This was examined by G. Graham & A.C. Lynn & found to be all coal with the exception of a 4" band of bony coal lying between the top bench & the lower, & a 6" band of bony coal underlying the lower bench Drilled by J.G. Thompson		
6	"	34	May 6-19	June 3-19	858.0	Sandstone 1'-8" Coal 1'-8" Sandstone	263'-0"	Shale 3'-0" Coal 3'-0" Shale	387'-0"	Sandstone 1'-8" Coal 1'-8" Shale	456'-8"	Shale 3'-0" Coal 6" Shale 6" Coal 6" Shale 3'-4" Shale	523'-10"	Shale 2'-0" Coal 2'-0" Shale	536'-0"	636'-0"	624'-0"	Seam No. 4 This core was examined by G. Graham & A.C. Lynn. There was only 8" of coal obtained & it was not considered sufficient to justify an analysis Drilled by J.G. Thompson			
7	Nelson	34	June 11	July 4	897.0	Sandstone 1'-0" Coal 1'-0" Sandstone	285'-0"	Shale 2'-6" Coal 2'-6" Shale	456'-6"	Coal 2'-6" Shale 1'-0" Coal 8" Shale 2'-0" Coal 1'-0" Shale 6" Coal 6"	576'-4"	Shale 2'-0" Coal 2'-0" Shale	589'-4"	Shale (Coal bony) 1'-0" Shale	603'-4"	701'-0"	898'-0"	Seam No. 3 Top bench Moisture 1.21 Vol. matter 33.39 Fixed carbon 48.92 Ash 20.69 Sulphur 3.25 Lower bench Moisture 0.89 Vol. matter 35.73 Fixed carbon 58.67 Ash 14.20 Sulphur 1.21	Seam No. 3 This core was examined by G. Graham & A.C. Lynn. The whole of the core was not obtained and the following was the section found Top bench (all coal) 21" Shale 12" Lower bench (all coal) 16" Drilled by J.G. Thompson		
8	"	34	June 11	June 25	993.2	Coal 10" Sandstone 14" Coal 3" Shale 6" Coal 10" Shale	83'-8"									196'-0"	188'-0"		Drilled by J.B. Berglund		
9	"	34	July 4	July 10	1179.6	Shale 1'-0" Coal 1'-0" Shale 3"	76'-0"									240'-0"	194'-0"		Drilled by J.B. Berglund		
10	"	34	July 15	Aug 9	813.0	Conglomerate 2'-0" Coal 2'-0" Sandstone	135'-0"	Shale 4'-6" Coal 2'-6" Shale 2'-0" Shale	187'-6"	Shale 1'-0" Coal 1'-0" Sandstone	226'-0"	Shale 1'-0" Coal 1'-0" Shale	292'-0"	Shale (Coal dirt) 3'-0" Shale	312'-0"	400'-0"	388'-0"		Drilled by J.G. Thompson Poor core obtained for Seam No. 2		
11	"	34	July 14	Aug 12	895.0	Black mud 2'-0" Bony coal 2'-0" Mud & shale	55'-0"	Sandstone 2'-0" Broken coal 2'-0" Shale	137'-0"	Coal 1'-0" Shale 6" Bkn coal 2'-1" Shale 7" Coal 1'-4" Shale 6" Bkn dirty coal 2'-6"	287'-6"	Bkn coal 1'-0" Shale	234'-0"	Shale with lay ers of bone 3'-0" Sandstone 2'-4" Shale 1'-0"	324'-4"	431'-0"	420'-0"		Poor cores obtained Drilled by J.B. Berglund		
12	"	34	Aug 17		941.0	Coal 1'-6" Bony coal 4"	137'-0"												Drilled by J.B. Berglund		
13	"	34	Aug 18	Aug 25	868.4											111'-0"	97'-0"		Drilled by J.G. Thompson Blank		
14	"	34	Sep 7	Sep 17	770.8	Sandstone 2'-0" Coal 2'-0" Shale	154'-0"	Sandstone 3'-2" Coal 3'-2" Shale	204'-2"							212'-0"	212'-2"		No core obtained for Seam No. 2 Drilled by J.G. Thompson		
15	"		Nov 15	Jan 6	945.0	Sandstone 3'-0" Coal 3'-0" Sandstone	254'-0"	Bony coal 1'-0" Coal 1'-0" Shale	335'-6"	Sandstone 2'-9" Coal 2'-9" Shale	513'-9"	Sandstone 6'-6" Coal 6'-6" Shale	604'-6"			626'-6"	612'-6"		Drilled by J.G. Thompson No. 4 There was only 30" of core recovered from this seam Top bench Moisture 1.57% Vol. matter 34.77 Fixed carbon 35.13 Ash 100.00 Bottom bench Moisture 1.65% Vol. matter 29.52 Fixed carbon 26.34 Ash 44.46 100.00		
16	"	34	Nov 29	Dec 13	793	Soft broken 1'-0" Bony coal 2'-6" Muddy broken 2'-6" Soft broken 2'-0" dirty coal 2'-0" Broken shale	49'-6"	Broken shale 1'-0" Bony coal 6" Broken shale 6" Broken shale 6" Coal 10" Broken shale 10" Broken shale 8" Broken coal 4" Broken shale 1'-8" Broken coal 1'-8" Broken shale 1'-8" Bony coal 4"	185'-10"	Broken shale 3'-2" Coal 1'-10" Shale 1'-10" Broken shale 2'-0" Broken coal 1'-0" shale	185'-0"	Broken coal 1'-4" Shale	218'-0"	Brown shale 1'-0" Broken coal 1'-6" Broken shale 2'-0"	286'-0"		307'-2"	400'-0"	393'-0"		Drilled by J.B. Berglund No cores
17	"	SECT. 1 LOT 24	Jan 8	Jan 22	493	Sandstone 8" Coal 8" Sandstone	31'-8"	Sandstone 10" Bkn Coal & Dirt 2'-0" Coal 14" Shale 6"	80'-6"	Shale 4'-3" Bkn Dirty Coal 1'-9" Broken Shale 2'-0"	195'-0"	Sandstone 1'-0" Layers of Shale & fine grain Sandstone	230'-0"	Brown shale 5'-0" Coal 5'-4" Mine Dirt 2" Coal 5'-9" Broken Shale 8" Bkn Sh. & Coal 1'-1" Broken Shale	336'-0"	362'-0"	350'-0"	Seam No. 2 Top bench Moisture 1.73% Vol. Matter 33.03 Fixed Carbon 49.47 Ash 12.53 100.00 Lower Bench Moisture 1.63% Vol. Matter 31.11 Fixed Carbon 41.16 Ash 27.73 100.00	Drilled by J.B. Berglund Only 4'-9" of Core recovered from Lower Bench		
18	"		Jan 13	Mar 9	1199	Sandstone 4" Bony Coal 6" Shale 6" Bony Coal 6" Coal 1'-6" Sandstone	677'-10"	Sandstone 2'-0" Bony Coal 2'-0" Sandy shale	794'-0"	Shale 5'-4" Coal 5'-4" Shale	1034'-4"					1056'-0"	1052'-4"		Drilled by J.G. Thompson		
19	"	34	Jan 31	Feb 15	657	Sandstone 2'-6" Sh & Dirty Coal 2'-6" Broken Sandst.	67'-0"	Sandstone & Shale 8" Coal dirty 1'-4" Coal dirty & Sh. 1'-4" Trap.	246'-4"							262'-0"	240'-4"		Drilled by J.B. Berglund		
20	"		Mar 1	Mar 20	747.2	Brown shale 0'-2" Broken Coal 0'-2" Bkn brown shale 0'-3" Bkn brown shale	258'-5"	Broken Sandstone 0'-2" Bkn dirty Coal 0'-8" Bkn brown shale	306'-6"	Sandstone 0'-6" Coal 1'-6" Sandstone	330'-0"	Sandstone 0'-6" Broken Coal 1'-9" Layers Sh. & Bone 1'-3" Trap.	435'-0"			444'-0"	435'-0"		Drilled by J.B. Berglund		
21	"		Mar 15	July 9	1382.5	Sandstone 2'-6" Brown shale 3'-0" Shale	1643'-0"	Shale 2'-0" Bony Coal 1'-0" Bony Coal 2'-0" Shale 2'-0" Sandstone	1657'-0"	Shale 2'-0" Bony Coal 2'-0" Shale	1687'-0"					1721'-0"	1707'-0"		Drilled by J.G. Thompson		
22	"		Mar 22	Aug 21	351.0	Sandstone 5'-6" Coal with bands of dirt & Sulphur 5'-6" Bone 5" Mud 9" Shale 1'-6" Sandstone	750'-6"	Sandstone 1'-0" Hard shale	852'-0"	Sandstone 2'-0" Coal 2" Sandstone	874'-2"	Sandstone 4'-6" Mud & Bkn Shale	951'-6"	Sandstone 5" Broken shale 1'-0" Coal 1'-0" Shale 10" Coal 6" Broken shale	1159'-4"	1471'-0"	1462'-0"		Drilled by J.B. Berglund		

00694

(L3)

BLOCK 34 NELSON DISTRICT

TR-5

CANADIAN COLLIERIES (DUNSMUIR) LTD.

BORE HOLE No. 5

TSABLE RIVER FIELD

Scale: 1" = 20'

MATERIAL	SECTION	THICKNESS	DEPTH BELOW SURFACE	ELEV. Above N.W. M. at Union Bay	DATE
Pit		7'-0"	7'-0"	852.0	April-19
Conglomerate		18'-0"			. 2 .
			25'-0"	834.0	. 3 .
Compressed sandstone		30'-0"			. 4 .
			55'-0"	804.0	. 5 .
Sandstone		67'-0"			. 6 .
					. 7 .
Shale Coal Shale		4'-0"	122'-0"	737.0	. 8 .
		2'-0"	126'-0"	733.0	
		3'-0"	128'-0"	731.0	
Sandstone		115'-0"			. 9 .
					. 10 .
Coal Shale Coal Shale Coal		1'-0"	246'-0"	613.0	. 11 .
		6'-0"	247'-0"	612.0	
Sandstone		1'-6"	248'-0"	611.5	. 12 .
		2'-0"	249'-0"	611.0	
Coal Shale Coal		1'-6"	249'-6"	609.5	. 13 .
		2'-0"	251'-6"	607.5	
Sandstone		43'-6"			. 14 .
					. 15 .
Coal Shale, brown Shale & sandstone		1'-6"	295'-0"	564.0	. 16 .
		4'-0"	298'-6"	562.5	
Sandstone		5'-0"	300'-6"	558.5	. 17 .
			305'-6"	553.5	
Sandstone		37'-6"			. 18 .
					. 19 .
Sandstone with bands of shale		25'-0"			. 20 .
					. 21 .
Shale Coal		9'	368'-0"	491.0	. 22 .
		9'-1"	368'-9"	490.3	
Shale		10'-0"	377'-10"	481.2	. 23 .
			387'-10"	471.2	
Sandstone		21'-2"			. 24 .
Trap		11'-0"	409'-0"	450.0	. 25 .
			420'-0"	439.0	

Length of core obtained from this seam was 57'. This was examined by C. Graham & A. G. Lynn and found to be all coal with the exception of a 4' band of bony coal lying between the top bench and the lower, and a 6' band of bony coal lying at the bottom of the lower bench.

SABLE RIVER

STATE: B.H. #5 COMPANY: TR-5

COUNTY: _____ FARM: _____ WELL NO.: _____

BLOCK: # 34 SURVEY: NELSON DISTRICT

SEC.: _____

T.: _____ R.: _____ TOTAL DEPTH: 420'

CONTRACTOR: _____

COMMENCED: April 1 1919

COMPLETED: 1919, April 25

REMARKS: _____

ALTITUDE: 859'

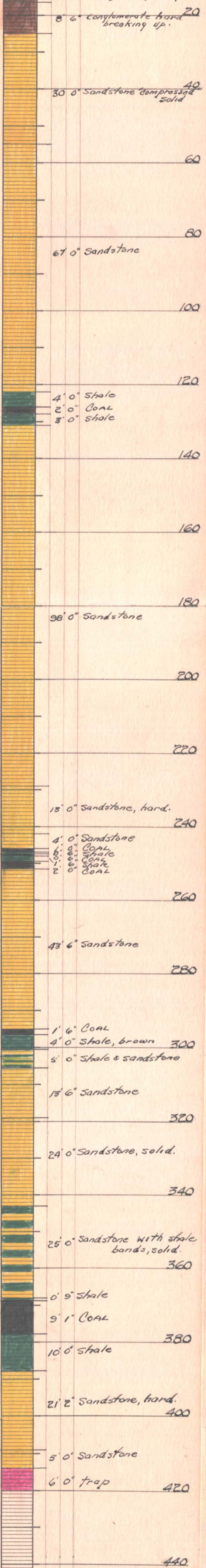
PRODUCTION: _____

CASING RECORD

	10"
	8 1/4"
	6 1/2"
	5"
	4"
	3"
	2"
	1 1/2"
	1"
	3/4"
	1/2"
	1/4"
	1/8"
	1/16"

SHOT: _____ QUARTS: _____ BETWEEN: _____

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



CANADIAN COLLIERIES (DUNSMUIR) LTD.

TR-6

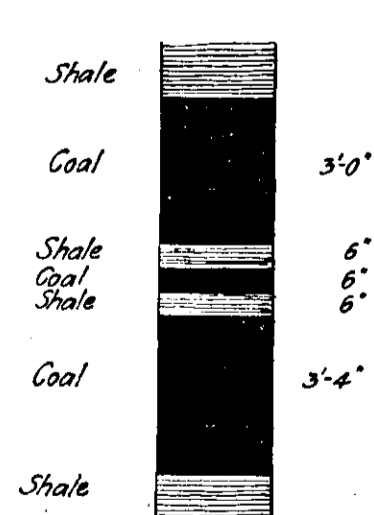
BORE HOLE No. 6
TSABLE RIVER FIELD

Scale: - 1"=20'

00694

LS

MATERIAL	SECTION	THICKNESS	DEPTH BELOW SURFACE	ELEV. 858 Above H.W.M. at Union Bay	DATE
Pit		6'-0"	6'-0"	852.0	May 6-19
Sandstone & mixed shale		72'-0"			* 7 *
					* 8 *
			78'-0"	780.0	* 9 *
Sandstone		15'-0"	93'-0"	765.0	
Conglomerate		19'-0"	112'-0"	746.0	* 10 *
Chert conglomerate		27'-0"	139'-0"	719.0	* 12 *
Conglomerate		15'-0"	154'-0"	704.0	
Sandstone		7'-0"	161'-0"	697.0	* 13 *
Compressed sandstone		29'-0"	190'-0"	668.0	* 14 *
Sandstone		10'-0"	200'-0"	658.0	
Shale		5'-0"	205'-0"	653.0	
Sandstone		15'-0"	220'-0"	638.0	* 15 *
Compressed sandstone		30'-0"	250'-0"	608.0	* 16 *
Sandstone		12'-0"	262'-0"	596.0	
Coal		1'-8"	263'-8"	594.3	
Sandstone		120'-4"			* 17 *
					* 18 *
Shale		2'-0"	392'-0"	466.0	
Coal		3'-0"	394'-0"	464.0	
Shale		3'-0"	397'-0"	461.0	
			400'-0"	458.0	* 20 *
Sandstone		53'-0"			* 21 *
Coal		1'-8"	453'-0"	405.0	
Shale		5'-4"	454'-8"	403.3	
			460'-0"	398.0	* 22 *
Sandstone & shale mixed		28'-0"			
			486'-0"	370.0	* 26 *
Sandstone		29'-0"			
			515'-0"	341.0	* 29 *
Shale		1'-0"	516'-0"	339.0	
Coal		3'-0"	519'-0"	337.0	
Shale		6"	521'-0"	335.0	
Coal		6"	522'-0"	333.5	
Shale		6"	523'-0"	332.0	
Coal		3'-4"	525'-0"	332.2	
Shale		0'-2"	525'-10"		
Shale		8'-2"	534'-0"	324.0	
Coal		2'-0"	536'-0"	322.0	* 30 *
Shale		24'-0"			
			580'-0"	298.0	* 31 *
Sandstone		54'-0"			June 1-19
Shale		10'-0"	614'-0"	244.0	* 2 *
Trap		12'-0"	624'-0"	234.0	
			636'-0"	222.0	* 3 *



This core was examined by Mr. C. Graham & A. C. Lynn. There was only about 8' of coal obtained, and it was not considered sufficient to justify an analysis for this year.

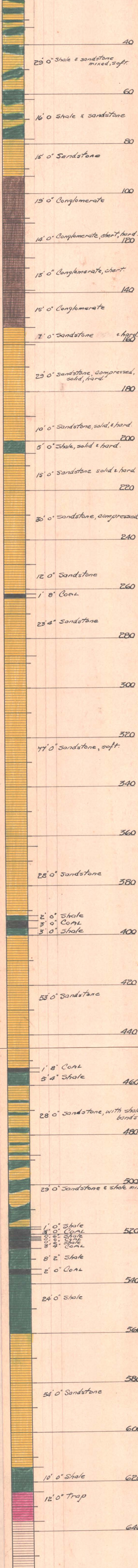
TABLE RIVER

STATE	B.H. 6	
COUNTY	COMPANY	FR-6
BLOCK	FARM	WELL NO.
BLOCK	SURVEY	
SEC.	NEELSON DISTRICT	
T.	R.	TOTAL DEPTH
		636'
		CONTRACTOR
		COMMENCED May 6, 1919
		COMPLETED 1919, June 3
ALTITUDE	REMARKS	
858'	(L6)	
PRODUCTION		

CASING RECORD

	10"	
	8 3/4"	
2	6 1/2"	
1	5"	
	12 1/2"	
SHOT	QUARTS	BETWEEN

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



CANADIAN COLLIERIES (DUNSMUIR) LTD.

TR-7

BORE HOLE No. 7
TSABLE RIVER FIELD

Scale:- 1"=20'

00694

(L7)

MATERIAL	SECTION	THICKNESS	Depth below surface	ELEVATION Above H.W.M. at Union Bay	DATE
Pt		17'-0"	17'-0"	880.0	
Compressed sandstone		18'-0"	35'-0"	862.0	June 11-19
Sandstone		19'-0"	54'-0"	843.0	" 12 "
Sandstone ply		33'-0"			" 13 "
			87'-0"	810.0	" 14 "
Sandstone		23'-0"			
			110'-0"	787.0	" 15 "
Sandstone ply		19'-0"			
			129'-0"	768.0	" 16 "
Compressed sandstone		39'-0"			" 17 "
Sandstone		2'-0"	168'-0" 170'-0"	729.0 727.0	" 18 "
Conglomerate		20'-0"			
			190'-0"	707.0	" 19 "
Sandstone		94'-0"			" 20 "
Coal		1'-0"	284'-0" 285'-0"	613.0 612.0	" 21 "
Sandstone		60'-0"			" 22 "
Shale		24'-0"	345'-0"	552.0	" 23 "
			389'-0"	528.0	" 24 "
Sandstone		83'-0"			" 25 "
Shale		2'-0"	452'-0"	445.0	
Coal		2'-8"	454'-0"	443.0	
Shale		3'-0"	458'-0"	440.5	
			459'-0"	437.5	" 26 "
Sandstone		76'-6"			" 27 "
Sandstone & shale bands		5'-0"	536'-0" 541'-0"	361.0 356.0	
Shale		10'-0"			" 28 "
			551'-0"	346.0	
Sandstone		8'-0"			
			559'-0"	338.0	
Shale		7'-0"			
Coal		2'-0"	566'-0"	331.0	
			569'-0"	329.5	
			570'-0"	327.5	
			571'-0"	325.5	
			572'-0"	323.5	
			573'-0"	321.5	
			574'-0"	319.5	" 29 "
Shale		11'-0"	587'-4"	309.7	
Coal		2'-0"	589'-4"	307.7	
Shale		13'-0"	602'-4"		
Coal (bony)		1'-0"	603'-4"	294.7	" 30 "
Shale		5'-0"	608'-4"	289.7	
Sandstone		72'-8"			July 1-19
					" 2 "
Shale		12'-0"	681'-0"	216.0	" 3 "
Sandstone		5'-0"	693'-0"	204.0	
Trap		3'-0"	698'-0" 701'-0"	199.0 196.0	" 4 "

This core was examined by C. Graham and A.C. Lynn. The whole of the core was not obtained. The following is the section: Top bench coal 21' Shale Lower bench coal 16'

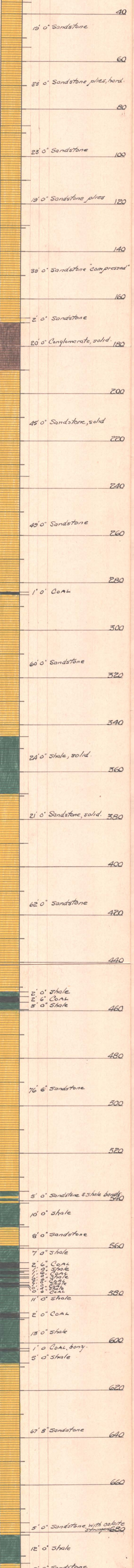
TSABLE RIVER

STATE	B.H. 7	
COUNTY	COMPANY	WELL NO.
BLOCK	FARM	
SEC.	SURVEY	
T.	R.	TOTAL DEPTH
		701'
		CONTRACTOR
		COMMENCED
		COMPLETED
		REMARKS
ALTITUDE	897'	
PRODUCTION	(L8)	

CASING RECORD

10"	
8 1/2"	
6"	
5 1/2"	
4 1/2"	
3 1/2"	
2 1/2"	
SHOT	QUARTS BETWEEN

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



CANADIAN COLLIERIES (DUNSMUIR) LTD.


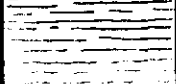
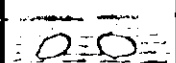
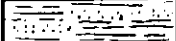
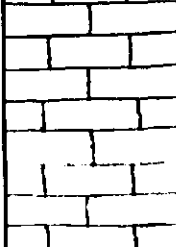

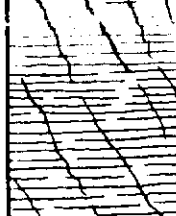

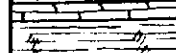


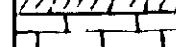

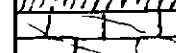

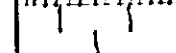
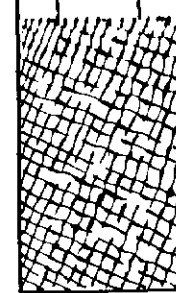
TR-8

BORE HOLE No. 8
TSABLE RIVER FIELD

Scale :- 1" = 20'

00694

(L9)

Material	Section	Thickness	Depth below Surface	Elev. 995.2 Above H.W. M. at Union Bay	Date
Soil & boulders		2'-0"	2'-0"	993.2	June 11-19
Hard pan		14'-0"			" 12 "
Hard pan & boulders		5'-0"	16'-0"	979.2	" 13 "
Hard pan & gravel		5'-0"	21'-0"	974.2	" 14 "
			26'-0"	969.2	" 17 "
					" 18 "
Sandstone		32'-0"			
Broken shale		2'-0"	58'-0" 60'-0"	937.2 935.2	" 19 "
Hard broken shale		30'-0"			
Layers of sandstone Coal Shale Coal Shale		1'-10" 1'-0" 1'-0" 1'-0" 1'-0" 2'-7" 2'-0"	90'-0" 90'-10" 91'-0" 92'-0" 93'-0" 96'-0" 98'-0"	905.2 904.4 903.4 903.1 902.5 901.7 899.2 897.2	" 20 "
Coarse black & white sandstone		2'-0"			
Shale or agglomerate		19'-0"			
			117'-0"	878.2	" 21 "
Agglomerate		19'-0"			
Hard grey sandstone		4'-0"	130'-0" 140'-0"	859.2 855.2	
Agglomerate		8'-0"			" 22 "
Broken grey sandstone		6'-0"	148'-0"	847.2	
Agglomerate		6'-0"	154'-0"	841.2	
White sandstone		8'-0"	160'-0"	837.2	
			168'-0"	827.2	" 23 "
Trap Rock		28'-0"			" 24 "
			196'-0"	799.2	" 25 "

TSABLE RIVER

BH # 8

TR-8

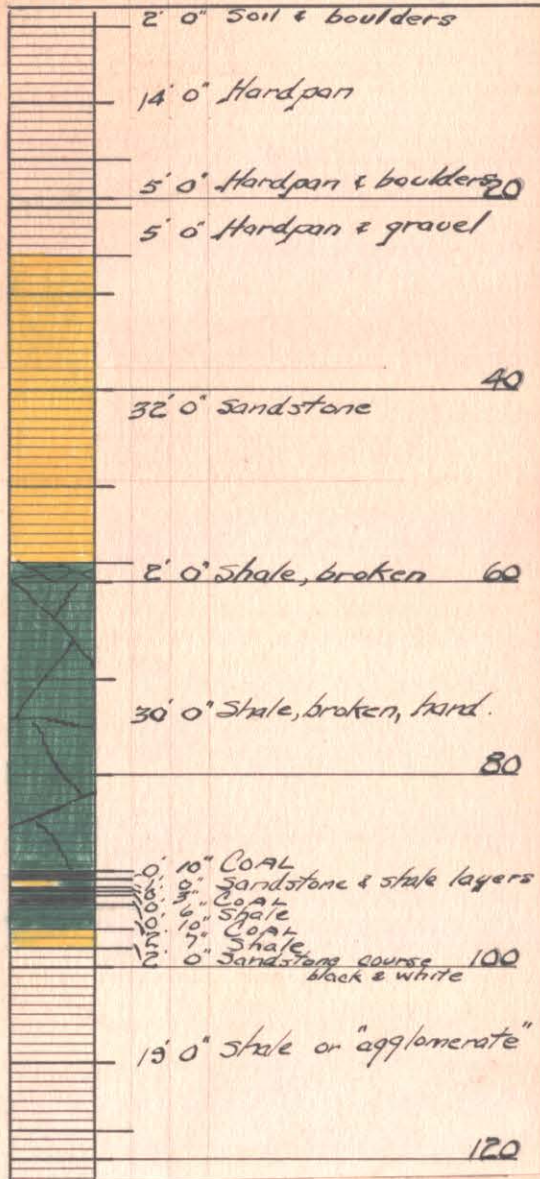
STATE		COMPANY
COUNTY	FARM	WELL NO.
BLOCK 34	SURVEY NELSON DISTRICT	
SEC.		
T.	R.	TOTAL DEPTH 196'
		CONTRACTOR
		COMMENCED June 11 1919
		COMPLETED 1919, June 25
		REMARKS
ALTITUDE 995.2'		(L10)
PRODUCTION		

CASING RECORD

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

00694

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



CANADIAN COLLIERIES (DUNSMUIR) LTD.

BORE HOLE No. 9

TSABLE RIVER FIELD

Scale: - 1" = 20'

00694

(L11)

MATERIAL	SECTION	THICKNESS	DEPTH BELOW SURFACE	ELEV. 1179.6 Above H.W.M. at Union Bay	DATE
Soil		3'-0"	3'-0"	1176.6	July 4-19
Sandstone		7'-0"	10'-0"	1169.6	
Shale		4'-0"	14'-0"	1165.6	
Sandstone		29'-0"			" 5 "
Broken shale Coal Broken shale		1'-0" 1'-3" 4'-0"	43'-0" 44'-3" 48'-3"	1136.6 1133.6 1133.6	
Hard dark sandstone		4'-0"	50'-0"	1129.6	
Shale		5'-6"			
Shale Coal		2'-3"	53'-6" 56'-0"	1124.0 1121.6	
Coarse grain sandstone		4'-0"	62'-0"	1117.6	
Broken shale		12'-0"			
Shale Coal Shale Coal		1'-0" 1'-3" 6'-9"	74'-0" 75'-3" 81'-9"	1105.6 1104.3 1103.3	" 6 "
Coarse grain sandstone		2'-0"	83'-0" 85'-0"	1096.6 1094.6	
Shale		8'-0"			
White sandstone		5'-0"	93'-0"	1086.6	
Shale		7'-0"	98'-0"	1081.6	
White & black sandstone		5'-0"	105'-0" 110'-0"	1074.6 1069.6	" 7 "
Shale		25'-0"			
			135'-0"	1044.6	
Coarse white sandstone		59'-0"			" 8 "
			194'-0"	985.6	" 9 "
Trap rock		46'-0"			
			240'-0"	839.6	" 10 "

TSABLE RIVER

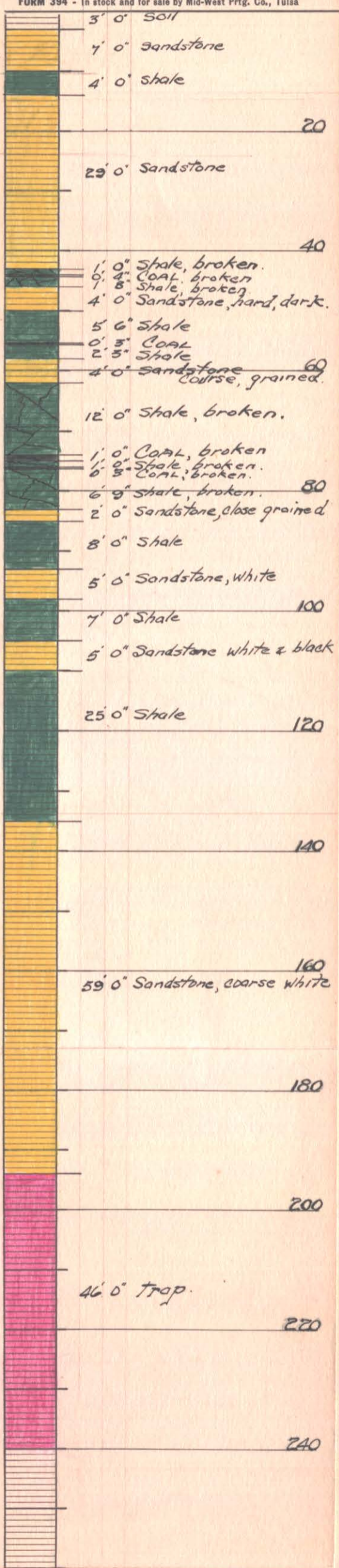
STATE	OH 9	
COUNTY	COMPANY	TR-9
BLOCK	FARM	WELL NO.
SEC.	SURVEY	
T.	R.	TOTAL DEPTH
		240'
CONTRACTOR		
COMMENCED		July 4 1919
COMPLETED		1919, July 10.
REMARKS		(L12)
ALTITUDE	1177'	
PRODUCTION		

CASING RECORD

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

00694

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



CANADIAN COLLIERIES (DUNSMUIR) LTD.

TR-10

BORE HOLE No. 10

TSABLE RIVER FIELD

Scale: 1"=20'

00694

L13

Material	Section	Thickness	Depth below surface	El. 815 Above H.W.M. at Union Bay	Date
Bedrock		18'-0"	18'-0"	797.0	July 15-19
Conglomerate (chert)		93'-0"			" 17 "
					" 18 "
					" 19 "
					" 21 "
					" 22 "
					" 23 "
Sandstone		20'-0"	111'-0"	704.0	
			131'-0"	684.0	" 24 "
Conglomerate		22'-0"			" 25 "
Coal		2'-0"	153'-0" 155'-0"	662.0 660.0	
Sandstone		36'-0"			" 26 "
					" 27 "
Shale		2'-0"	191'-0" 193'-0"	624.0 622.0	
Coal		4'-6"			
Shale		4'-6"	197'-6"	617.5	
Coal		2'-0"	202'-0" 204'-0"	613.0 611.0	" 28 "
Shale		21'-0"			
Coal		1'-0"	225'-0" 226'-0"	590.0 589.0	" 29 "
Sandstone		49'-0"			" 30 "
					" 31 "
Shale		16'-0"	275'-0"	540.0	
Coal		1'-0"	291'-0" 292'-0"	524.0 523.0	Aug. 5 19
Shale		17'-0"			
Coal & dirt		3'-0"	309'-0" 312'-0"	506.0 503.0	" 6 "
Shale		76'-0"			" 7 "
					" 8 "
Trap		12'-0"	388'-0"	427.0	
			400'-0"	415.0	" 9 "

Note: Poor core was obtained of this seam

SABLE RIVER

STATE: OK COMPANY: B.H. TR-10

COUNTY: _____ FARM: _____ WELL NO.: _____

BLOCK: 34 SURVEY: NELSON DISTRICT

SEC.: _____

T. _____ R. _____ TOTAL DEPTH: 400'

CONTRACTOR: _____

COMMENCED: July 15, 1919

COMPLETED: 1919, Aug. 9

REMARKS: _____

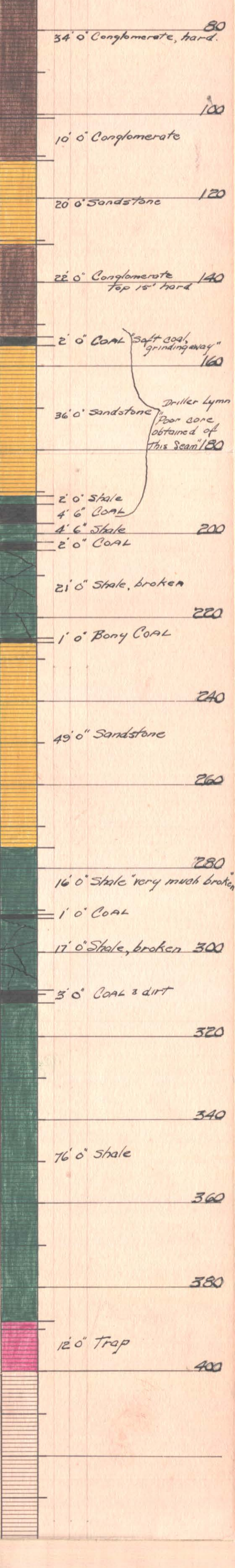
ALTITUDE: 815'

PRODUCTION: _____ (L14)

CASING RECORD

10"
8 1/2"
6 1/2"
5 1/2"
4 1/2"
3 1/2"
2 1/2"
1 1/2"
1 1/4"
1 1/8"
3/4"
5/8"
3/8"
1/2"
1/4"

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



CANADIAN COLLIERIES (DUNSMUIR) LTD.

TR-11

BORE HOLE No. 11

TSABLE RIVER FIELD

Scale: - 1" = 20'

00694

(41)

Material	Section	Thickness	Depth below surface	Elev. 895 above H.W.M. at Union Bay	Date
Large boulders & rock		4'-0"	4'-0"	891'-0"	July 18-19
Hard dry blue clay with large boulders		4'-0"	8'-0"	887'-0"	- 18 -
Boulders & blue clay		11'-0"			- 19 -
Gravel		2'-0"	19'-0"	878'-0"	- 20 -
Boulders		2'-0"	21'-0"	874'-0"	- 21 -
Coarse gravel		3'-0"	23'-0"	872'-0"	- 22 -
Gravel		2'-0"	26'-0"	869'-0"	- 23 -
Brown clay & mixed gravel		2'-0"	28'-0"	867'-0"	- 24 -
Brown clay & layers of gravel		8'-0"	30'-0"	863'-0"	- 25 -
Layers of white & brown sandstone		6'-0"	38'-0"	857'-0"	
Layers of bony coal & black clay		7'-0"	44'-0"	851'-0"	
Black mud		2'-0"	51'-0"	844'-0"	- 26 -
Dirty broken bony coal		2'-0"	53'-0"	842'-0"	
Mud & shale		2'-0"	55'-0"	840'-0"	
			57'-0"	838'-0"	
Broken sandstone		78'-0"			- 27 -
Broken coal		2'-0"	135'-0"	760'-0"	
Broken shale		9'-0"	137'-0"	758'-0"	
			146'-0"	749'-0"	- 28 -
Hard sandy shale		29'-0"			
			175'-0"	720'-0"	- 30 -
Broken sandy shale		20'-0"			
Broken shale & mud		4'-0"	195'-0"	700'-0"	
Coal		1'-0"	196'-0"	699'-0"	- 31 -
Broken shale		2'-0"	198'-0"	697'-0"	
Broken shale		1'-0"	200'-0"	696'-0"	
Broken dirty coal		2'-0"	202'-0"	694'-0"	
Broken shale		4'-6"	207'-0"	689'-0"	
			212'-0"	683'-0"	Aug. 2 19
Broken gray sandstone		11'-0"			
			223'-0"	672'-0"	- 5 -
Broken sandstone		10'-0"			
Broken coal shale		1'-0"	233'-0"	662'-0"	
			233'-6"	659'-6"	- 6 -
Sandstone		60'-6"			- 7 -
Broken shale		2'-0"	296'-0"	599'-0"	
Bone		6'-6"	298'-0"	597'-0"	- 8 -
Broken shale		6'-6"	305'-0"	590'-0"	
Coarse grain sandstone with layers of shale		11'-0"			
Sandy shale		2'-0"	316'-0"	579'-0"	
Coal with layers of bone		3'-0"	319'-0"	577'-0"	
Sandstone		2'-4"	321'-0"	574'-0"	
Coal		7'-6"	328'-0"	571'-0"	
Broken shale		8'-8"	336'-0"	570'-0"	- 9 -
			333'-0"	568'-0"	
Coarse white sandstone with layers of shale		57'-0"			- 10 -
Hard broken gray sandstone		10'-0"	390'-0"	505'-0"	- 11 -
Hard broken shale		8'-0"	400'-0"	495'-0"	
Hard shale		12'-0"	408'-0"	487'-0"	- 12 -
Trap rock		11'-0"	420'-0"	475'-0"	
			431'-0"	464'-0"	

Four core was obtained for this seam

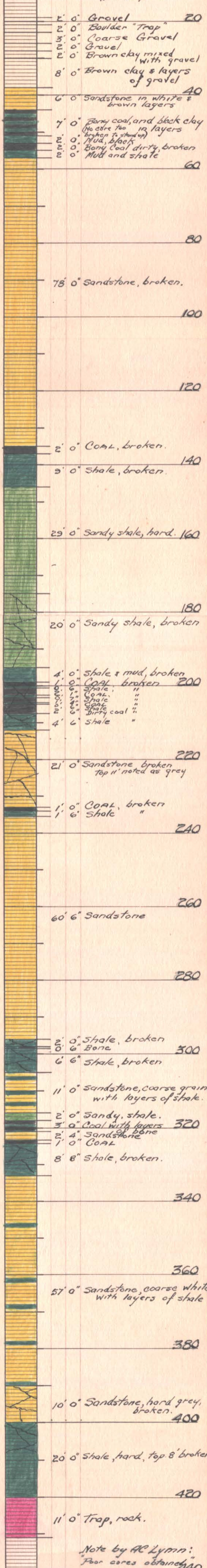
TABLE FIVE

B.H. 11
 TR-11

STATE		COMPANY
COUNTY	FARM	WELL NO.
BLOCK 34	SURVEY NELSON	
SEC.		TOTAL DEPTH 431'
T.	R.	CONTRACTOR
		COMMENCED July 14 1919
		COMPLETED 1919, Aug. 12.
ALTIUDE 895'		REMARKS
PRODUCTION		(L2)

CASING RECORD

10"	10"
8 1/2"	8 1/2"
6 1/2"	6 1/2"
5 1/2"	5 1/2"
SHOT	BETWEEN



Note by AC Lynn:
 "Poor cores obtained"
 440

CANADIAN COLLIERIES (DUNSMUIR) LTD.

TR-12

BORE HOLE No.12

TSABLE RIVER FIELD

Scale:- 1"=20'

00694

L3

Material	Section	Thickness	Depth below surface	Elev. 941 above H.W.M. at Union Bay	Date
					Aug. 17-19
					19
Hard blue clay & boulders		20'-0"			
Sandstone boulder		2'-0"	20'-0"	921.0	- 20-24
Hard blue clay & boulders		3'-0"	22'-0"	919.0	- 25
			25'-0"	916.0	- 26
Blue clay		10'-0"			
Blue clay & gravel		2'-0"	35'-0"	906.0	- 27
Trap boulder		2'-0"	37'-0"	904.0	- 28
Gravel & clay		4'-0"	39'-0"	902.0	- 29
			43'-0"	898.0	- 30
Sandstone		12'-0"			
			55'-0"	886.0	- 31
Sandy shale		17'-0"			
Broken shale		4'-0"	72'-0"	869.0	Sep. 1
Bony coal		2'-6"	76'-0"	865.0	
Broken shale		2'-6"	76'-6"	864.5	
Broken sandstone		3'-0"	79'-0"	862.0	- 4
			82'-0"	859.0	
Sandstone		33'-0"			
					- 6
			115'-0"	826.0	- 7
					- 8
Broken sandstone		19'-6"			Oct. 3-19
Broken shale		1'-8"	134'-6"	808.5	
Coal		2'-0"	132'-6"	805.5	
Bony coal		2'-0"	132'-0"	804.0	- 4
Broken shale		7'-0"			
Sandstone		1'-0"	144'-0"	797.0	- 7
Broken muddy sandy shale		10'-0"	143'-0"	796.0	
			155'-0"	786.0	- 14
Badly broken sandy shale & mud		7'-0"			
			162'-0"	779.0	- 24
Layers of broken shale & sandstone		3'-0"	165'-0"	776.0	Nov. 8
Hard broken sandstone		11'-0"			
			176'-0"	765.0	- 9
Sandstone		13'-0"			
			189'-0"	752.0	
Hard broken shale		3'-0"	192'-0"	749.0	- 10
Badly broken sandy shale		6'-0"			
			198'-0"	743.0	- 11

Hole caved and short of casing. Drilling stopped

TASABLE RIVER

B.H. 12

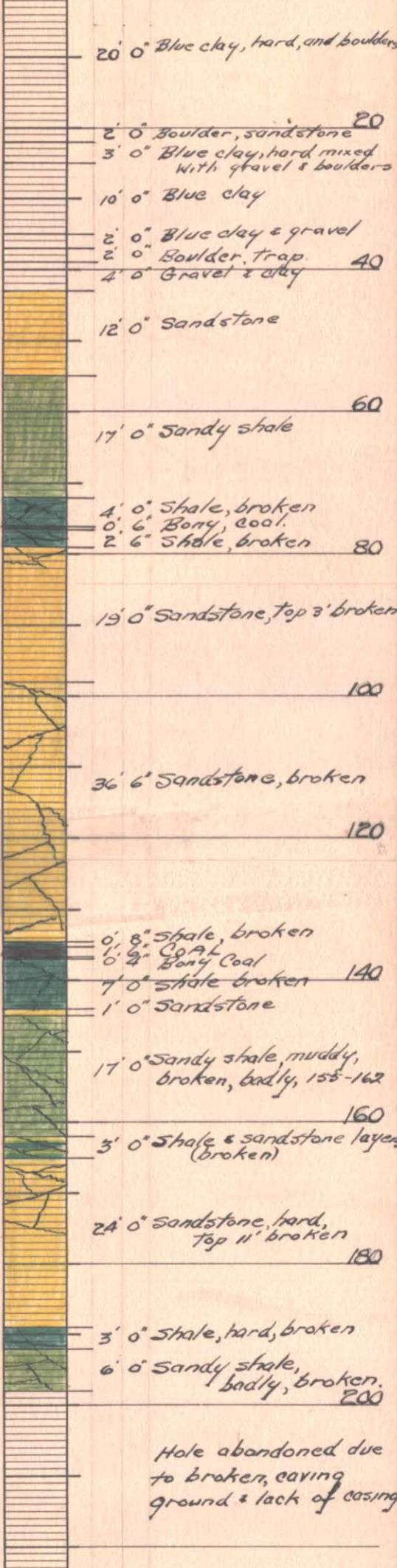
STATE		COMPANY
COUNTY		FARM
BLOCK 34		WELL NO. TR-12
SEC.		SURVEY NELSON DISTRICT
T.	R.	TOTAL DEPTH 198'
CONTRACTOR		
COMMENCED		Aug 17, 1919
COMPLETED		1919, 700 11
REMARKS		(14)
ALTITUDE 941'		
PRODUCTION		

CASING RECORD

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

00694

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



Hole abandoned due to broken, caving ground & lack of casing

CANADIAN COLLIERIES (DUNSMUIR) LTD.

TR-13







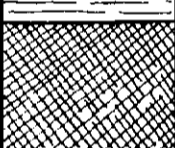
BORE HOLE No. 13

TSABLE RIVER FIELD

Scale: - 1" = 20'

00694

(LS)

MATERIAL	SECTION	THICKNESS	DEPTH BELOW SURFACE	ELEV. 868.4 Above H.W.M. at Union Bay	DATE
To Bedrock		6'-0"	6'-0"	862.4	Aug 18-19
Sandstone		4'-0"	10'-0"	858.4	
Shale		4'-0"	14'-0"	854.4	" 19 "
Shale (rotten)		10'-0"	24'-0"	844.4	" 20 "
Clay shale		73'-0"			" 23 "
					" 24 "
Trap		14'-0"	97'-0"	771.4	
			111'-0"	757.4	" 25 "

TSABLE RIVER

B.H. 13 (L6)

(TR-13)

BLK 34 - Nelson District
Alt. 868' 4" Depth 111'
St. Aug. 18, 1919
Fin. 1919, Aug. 25

Collar

6' 0" Surface

4' 0" Sandstone

14' 0" Shale, bottom 10' rotten,
Very, soft. 20

40

74' 0" Clay, shale, broken,
55' - 84' depth

60

80

100

14' 0" Trap

120

00694

CANADIAN COLLIERIES (DUNSMUIR) LTD.

TR-14


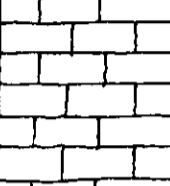
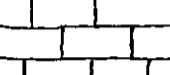



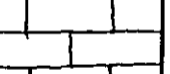
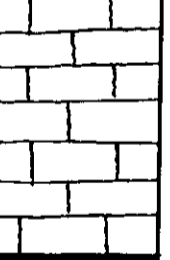
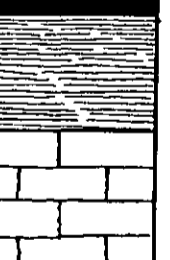
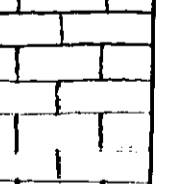



BORE HOLE No. 14

TSABLE RIVER FIELD

Scale: 1"=20'

00694

(L7)

Material	Section	Thickness	Depth below surface	ELEV. 7700 above H.W.M. at Union Bay	DATE
To bedrock		6'-8"	6'-8"	763.8	Sep 7-19
Sandstone		29'-4"			" 8 "
Coal		6'	36'-0" 36'-8"	734.5 734.0	" 9 "
					" 10 "
Sandstone		115'-6"			" 11 "
					" 12 "
COAL		2'-0"	152'-0" 154'-0"	618.5 616.5	" 13 "
Shale		12'-0"			
			166'-0"	604.5	" 15 "
Sandstone		35'-0"			
COAL		3'-2"	201'-0" 204'-2"	569.5 568.3	" 16 "
Shale		8'-0"	212'-2"		
Trap		4'-10"	217'-0"	558.3 553.5	" 17 "

No core recovered for this seam

TSABLE RIVER

B.H. 14.

TR-14

BLK #34

NELSON DISTRICT

Alt. 790'6"

L8

Depth 217'

St. Sept. 7, 1919.

FIN. 1919, Sept. 17 Collar

6'0" Surface

30'0" Sandstone plies
Top 18' broken

20

0'6" COAL

40

00694

60

115'6" Sandstone

80

100

120

BORE HOLE NO. 15
TSABLE RIVER FIELD

Scale: 1"=20'

00694

(L9)

MATERIAL	SECTION	THICKNESS	Depth below surface	Elev. 945 above H.W.M. at Union Bay	Date
To bedrock		0'-0"	0'-0"	937-0	
					Nov. 16-19
					" 17 "
Shale with sandstone ply		162'-0"			" 18 "
					" 19 "
Shale		5'-0"	170'-0" 175'-0"	775-0 770-0	" 20 "
Sandstone		76'-0"			" 21 "
					" 22 "
Coal Shale		3'-0" 2'-0"	251'-0" 254'-0" 256'-0"	694-0 691-0 689-0	" 23 "
Sandstone		77'-6"			" 24 "
Bony coal Coal		1'-8"	333'-6" 334'-6" 335'-6"	616-5 610-3 609-3	
Sandstone		22'-6"			" 25 "
Bony coal Shale		13'-0"	358'-0" 359'-0" 359'-6"	597-0 596-3 593-3	
Sandy shale		25'-6"			" 26 "
			385'-0"	580-0	" 27 "
Sandstone		126'-0"			" 28 "
					" 29 "
COAL		2'-9"	511'-0" 513'-9"	434'-0" 431'-3"	
Shale		14'-3"			" 30 "
			528'-0"	417'-0"	Dec. 18
Sandstone		66'-0"			" 19 "
					" 20 "
COAL		6'-6"	594'-0"	351'-0"	
Shale & Bony Coal		5'-0"	600'-6"	344'-6"	" 21 "
Shale		7'-0"	605'-6"	339'-6"	
			612'-6"	332'-5"	Jan. 5
Trap		14'-0"	626'-6"	318'-5"	" 6 "

Note:-
There was only 30' of core recovered from this seam

Top Bench	
Moisture	1.57%
Vol. matter	30.10
Fixed carbon	34.77
Ash	32.12
	<u>100.00</u>
Bottom Bench	
Moisture	1.65%
Vol. matter	29.52
Fixed carbon	28.34
Ash	40.16
	<u>100.00</u>

TABLE BH 15

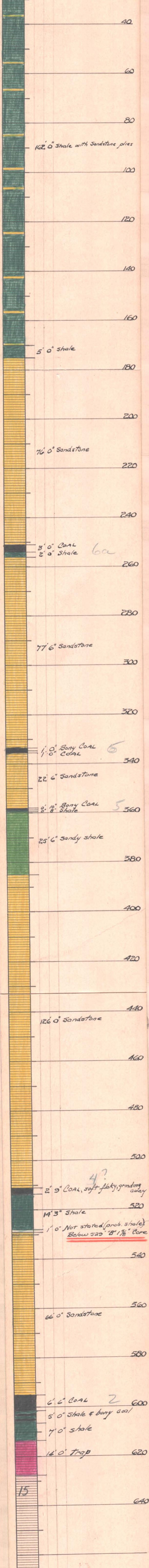
STATE		COMPANY	(TR-15)
COUNTY	FARM	WELL NO.	
BLOCK	SURVEY NELSON DISTRICT		
SEC.			
T.	R.	TOTAL DEPTH	
		626' 6"	
CONTRACTOR			
COMMENCED		Nov 16, 1919	
COMPLETED		1920 Jan 5	
REMARKS		(L10)	
ALTITUDE	945'		
PRODUCTION			

CASING RECORD

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

00694

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



CANADIAN COLLIERIES (DUNSMUIR) LTD.

BORE HOLE No. 16

TSABLE RIVER FIELD

Scale: - 1" = 20'

00694

(LII)

MATERIAL	SECTION	THICKNESS	Depth below surface	Elev. 793 above H.M.M. at Union Bay	Date
To Bedrock		7'-0"	7'-0"	786.0	Nov. 29 1919
					- 30 -
Sandstone		31'-0"			
			38'-0"	755.0	Dec. 1st "
Sandstone with Bands of Shale		6'-0"	44'-0"	749.0	
Soft broken dirty Coal		1'-0"	45'-0"	748.0	
Muddy broken Shale		2'-6"	47'-6"	745.5	
Soft broken dirty Coal		2'-0"	49'-6"	743.5	
Broken Shale		2'-6"	52'-0"	741.0	
					- 2 -
Broken Sandstone		71'-0"			
					- 3 -
			123'-0"	670.0	- 4 -
Sandstone		28'-0"			
			151'-0"	642.0	
Broken Sandstone		10'-0"			
Broken Shale		1'-0"	161'-0"	632.0	
Bony Coal		4'-6"	162'-6"	631.0	
Broken Coal		4'-6"	163'-6"	630.0	" 5 "
Broken Shale		4'-6"	164'-6"	629.0	
Coal		4'-6"	165'-6"	628.0	
Broken Shale		4'-6"	166'-6"	627.0	
Broken Coal		4'-6"	167'-6"	626.0	
Broken Shale		1'-2"	168'-0"	624.0	
Broken Coal		1'-5"	169'-0"	624.0	
Broken Shale		1'-7"	170'-0"	623.0	
Broken Coal		1'-7"	170'-0"	623.0	
Bony Coal		9'-2"	179'-6"	613.5	
Broken Shale		1'-10"	181'-4"	611.7	
Coal		2'-0"	183'-0"	609.0	
Broken Shale		1'-0"	184'-0"	608.0	
Broken Coal		1'-0"	185'-0"	608.0	
Broken Shale		5'-0"	190'-0"	603.0	
Grey Sandstone		18'-0"			- 6 -
			208'-0"	585.0	
Sandstone with layers of Shale		8'-8"	216'-8"	576.3	
Broken Coal		1'-4"	218'-0"	575.0	
Sandy Shale		7'-0"	225'-0"	568.0	
					- 7 -
Sandstone		58'-6"			
Brown Shale		1'-0"	283'-6"	599.5	- 8 -
Broken Coal		1'-6"	285'-0"	597.0	
Broken Shale		2'-0"	288'-0"	595.0	
Coarse White Sandstone		3'-0"	291'-0"	592.0	
Hard broken black Shale		13'-6"			
			304'-6"	488.5	
Brown Shale		6"	305'-0"	488.0	
Bony Coal		1'-0"	306'-0"	487.0	- 9 -
Brown Shale & Bony Coal		1'-2"	307'-2"	485.8	
Grey Sandstone		3'-2"	310'-4"	482.7	
Brown Shale with layers of Coal		2'-2"	312'-6"	480.5	
					- 10 -
Heavy black Shale		39'-6"			
			352'-0"	441.0	- 11 -
Broken black Shale		21'-0"			
			373'-0"	420.0	
Coarse grain brown Sandst.		5'-0"	378'-0"	415.0	- 12 -
Black Shale		15'-0"			
			393'-0"	400.00	
Trap Rock		7'-0"			
			400'-0"	393.0	- 13 -

TSABLE RIVER

STATE B.H. 16 COMPANY FR-16

COUNTY _____ FARM _____ WELL NO. _____

BLOCK _____ SURVEY NELSON DISTRICT

SEC. _____

T. _____ R. _____ TOTAL DEPTH 400'

CONTRACTOR _____

COMMENCED Nov. 29, 1919

COMPLETED 1919, Dec 13

REMARKS (L12)

ALTITUDE 793'

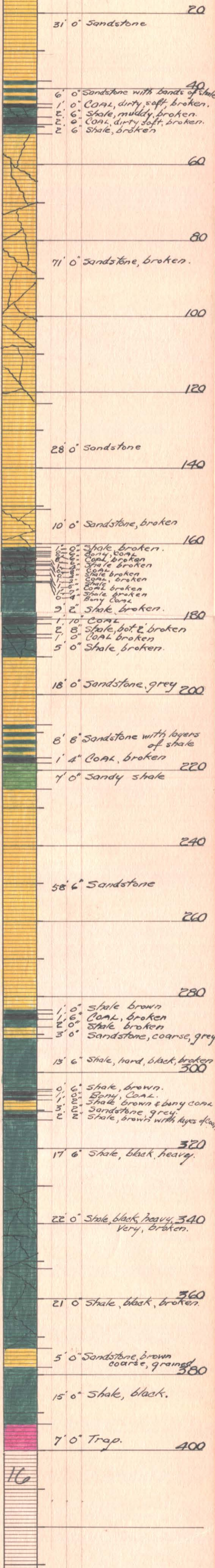
PRODUCTION _____

CASING RECORD

		10"
		8 1/4"
2		6 3/4"
	5 1/2"	5 3/8"
SHOT	QUARTS	BETWEEN

00694

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



16

CANADIAN COLLIERIES (DUNSMUIR) LTD.

BORE HOLE No. 17

TSABLE RIVER FIELD

Scale: 1"=20'

00694

L13

MATERIAL	SECTION	THICKNESS	Depth below Surface	Elev. 493 above H.W.M. at Union Bay	Date
Brown Clay & Gravel		6'-0"	6'-0"	487.0'	Jan 8 th 1920
Blue Clay & Boulders		13'-0"			" 9 th "
Sand, Gravel & Clay		6'-0"	19'-0"	474.0'	" 10 th "
Shale		4'-0"	25'-0"	468.0'	" 11 th "
Sandstone		2'-0"	29'-0"	464.0'	
Coal		8"	31'-8"	462.0'	
					" 13 th "
Sandstone		43'-4"			
Coal		10"	75'-0"	418.0'	
Layers of broken Coal & Dirt		2'-10"	79'-10"	417.2'	
Coal		4"	78'-8"	414.3'	
Shale		6"	80'-6"	413.0'	
					" 14 th "
Sandstone		106'-6"			" 15 th "
					" 16 th "
Shale		4'-3"	187'-0"	306.0'	
Broken dirty Coal		1'-9"	191'-3"	301.8'	" 17 th "
Broken Shale		2'-0"	193'-0"	300.0'	
			195'-0"	298.0'	
Sandstone		34'-0"			
Coal		1'-0"	229'-0"	264.0'	" 18 th "
			230'-0"	263.0'	
Layers of Shale and fine grain Sandstone		85'-0"			" 19 th "
					" 20 th "
Brown Shale		8'-0"	315'-0"	178.0'	
Coal		5'-4"	323'-0"	170.0'	
Mine Dirt		2"	328'-4"	164.7'	
Coal		5'-9"	328'-6"	164.3'	
Broken Shale		1'-8"	334'-3"	158.8'	
Broken Shale and Coal		1'-1"	334'-11"	158.1'	
Broken Shale		14'-0"	336'-0"	157.0'	
					" 21 st "
Trap Rock		12'-0"	350'-0"	143.0'	
					" 22 nd "
			362'-0"	131.0'	

LOWER SEAM
TOP BENCH
 Moisture 1.73%
 Vol. Matter 33.03
 Fixed Carbon 49.47
 Ash 17.50
100.00

LOWER BENCH
 Moisture 1.65%
 Vol. Matter 31.11
 Fixed Carbon 41.16
 Ash 27.73
100.00

NOTE
 There was only 4'-9" of Core recovered from Lower Bench

TSABLE RIVER

STATE B.H. 17 COMPANY TR-17

COUNTY _____ FARM _____ WELL NO. _____

BLOCK _____ SURVEY NELSON DISTRICT

SEC. _____

T. _____ R. _____ TOTAL DEPTH 362'

CONTRACTOR _____

COMMENCED Jan. 8, 1920

COMPLETED 1920, Jan. 22

REMARKS _____

ALTITUDE 493'

PRODUCTION _____

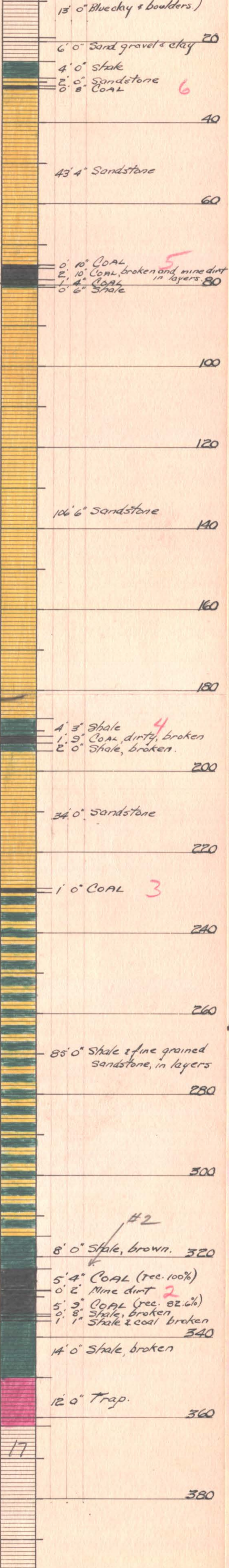
L14

CASING RECORD

		10"
		8 1/4"
20'		6 1/2"
15 1/2"		5 3/8"
SHOT	QUARTS	BETWEEN

00694

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



CANADIAN COLLIERIES (DUNSMUIR) LTD.

TR-18

BORE HOLE No. 18

TSABLE RIVER FIELD

Scale: 1"=20'

00694

L15

MATERIAL	SECTION	THICKNESS	Depth below Surface	Elev. 1199 above H.M.M. of Union Bay	Date
To Bedrock		10'-0"			
Shale		4'-0"	10'-0" 14'-0"	1189.0 1185.0	Jan 13 th 20
Conglomerate		137'-0"			- 14 th -
					- 15 th -
					- 16 th -
					- 17 th -
					- 18 th -
					- 19 th -
					- 22 nd -
Shale		22'-0"	151'-0"	1048.0'	- 23 rd -
Conglomerate		19'-0"	173'-0"	1016.0'	- 24 th -
Compressed Sandstone		65'-0"	192'-0"	1007.0'	- 25 th -
					- 26 th -
					- 27 th -
Sandy Shale with Sandstone Bands		23'-0"	257'-0"	942.0'	- 28 th -
Sandy Shale		26'-0"	280'-0"	919.0'	- 29 th -
Compressed Sandstone		27'-0"	305'-0"	894.0'	- 30 th -
					- 31 st -
Sandstone		34'-0"	332'-0"	867.0'	- 32 nd -
					- 33 rd -
Compressed Sandstone		51'-0"	366'-0"	835.0'	Feb 1 st -
					- 34 th -
Conglomerate		19'-0"	417'-0"	782.0'	- 35 th -
					- 36 th -
Compressed Sandstone		25'-0"	436'-0"	763.0'	- 37 th -
					- 38 th -
Sandstone		29'-0"	461'-0"	738.0'	- 39 th -
					- 40 th -
Sandy Conglomerate		27'-0"	490'-0"	709.0'	- 41 st -
					- 42 nd -
Conglomerate		91'-0"	517'-0"	682.0'	- 43 rd -
					- 44 th -
					- 45 th -
					- 46 th -
					- 47 th -
					- 48 th -
					- 49 th -
					- 50 th -
					- 51 st -
Conglomerate Chert		12'-0"	608'-0"	591.0'	- 52 nd -
					- 53 rd -
Conglomerate		26'-0"	620'-0"	579.0'	- 54 th -
					- 55 th -
Compressed Sandstone		21'-0"	648'-0"	551.0'	- 56 th -
					- 57 th -
Sandstone Bony Coal Shale Bony Coal Coal		5'-0"	669'-0" 674'-6" 676'-10" 675'-2" 678'-10" 677'-10"	530.0' 524.5' 524.5' 524.5' 524.5' 524.5'	- 58 th -
					- 59 th -
Sandstone		79'-2"			- 60 th -
					- 61 st -
Shale		20'-0"	757'-0"	442.0'	- 62 nd -
					- 63 rd -
Sandstone		15'-0"	777'-0"	422.0'	- 64 th -
					- 65 th -
Bony Coal		2'-0"	792'-0" 794'-0"	407.0' 403.0'	
Sandy Shale		24'-0"			- 66 th -
					- 67 th -
Sandstone		107'-0"	818'-0"	381.0'	Mar. 1 st -
					- 68 th -
					- 69 th -
Shale		15'-0"	925'-0"	274.0'	- 70 th -
					- 71 st -
Sandstone		65'-0"	940'-0"	259.0'	- 72 nd -
					- 73 rd -
Shale		5'-0"	1005'-0"	134.0'	
Sandstone		5'-0"	1010'-0"	189.0'	
Shale		14'-0"	1015'-0"	184.0'	
COAL		5'-4"	1029'-0"	170.0'	
Shale		18'-0"	1034'-4"	164.7'	
Trap		3'-8"	1052'-4" 1056'-0"	146.7' 143.0'	

ANALYSIS - LOWER SEAM
 Moisture. 1.20%
 Vol. Matter. 34.82
 Fixed Carbon. 54.33
 Ash. 10.85
 Sulphur. 2.73%

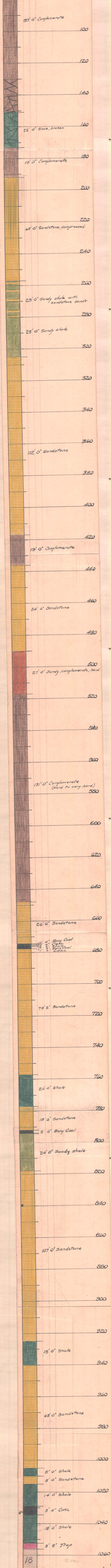
TSARLE RIVER
B.H. 18
 STATE _____ COMPANY *TR-18*
 COUNTY _____ FARM _____ WELL NO. _____
 BLOCK _____ SURVEY *NELSON DISTRICT*
 SEC. _____
 T. _____ R. _____ TOTAL DEPTH *1056'*
 CONTRACTOR _____
 COMMENCED *Jan 13, 1920*
 COMPLETED *1920, Mar. 9*
 REMARKS _____
 ALTITUDE *1199'*
 PRODUCTION _____

(L16)

CASING RECORD
 10"
 8 1/4"
 6"
 5 1/2"

SHOT _____ QUARTS _____ BETWEEN _____

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



18

El 1199.0

CANADIAN COLLIERIES (DUNSMUIR) LTD.

TR-19

BORE HOLE No. 19
SABLE RIVER FIELD

Scale: 1" = 20'

00694
L17

MATERIAL	SECTION	THICKNESS	Depth below Surface	ELEV. 657 above H.W.M. at Union Bay	DATE
		9'-0"			Jan. 31st 20
Bl. Clay		2'-0"	18'-0"	639.0'	Feb. 1st "
Bl. Clay		2'-0"	20'-0"	637.0'	" 2nd "
Bl. Clay		3'-0"	27'-0"	630.0'	" 3rd "
Bl. Clay		3'-0"	30'-0"	627.0'	" 4th "
Bl. Clay		4'-0"	34'-0"	623.0'	" 5th "
		30'-0"			
			64'-6"	592.5	
			70'-0"	580.0	
Broken Sandstone		18'-0"			14th
			85'-0"	572.0'	
Sandstone		19'-0"			
			104'-0"	553.0'	15th
Sandy Shale		18'-0"			
			122'-0"	535.0'	
					16th
Sandstone		79'-0"			
			20'-0"	456.0'	
Brown Shale		6'-0"	20'-0"	450.0'	17th
Broken Brown Shale		8'-0"	215'-0"	442.0'	
Sandstone & layers of Shale		23'-4"			
Dirty Coal		8"	238'-4"	418.6'	18th
Dirty Coal & Shale		1'-4"	239'-0"	418.0'	
			240'-4"	416.6'	
Trap		21'-8"			
			262'-0"	395.0'	19th

TSABLE RIVER

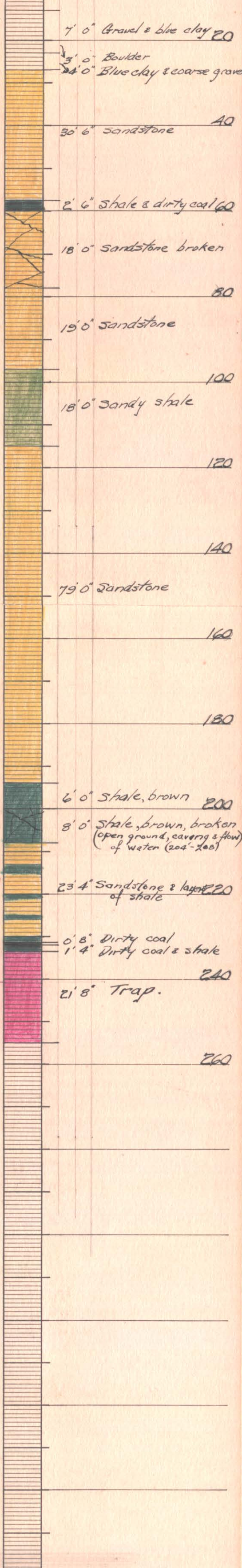
STATE	B.H. 19	
COUNTY	COMPANY	WELL NO.
BLOCK	FARM	TR-19
SEC.	SURVEY NELSON DISTRICT	
T.	R.	TOTAL DEPTH
		262'
CONTRACTOR		
COMMENCED Jan 31, 1920		
COMPLETED 1920 Feb 19		
REMARKS		
L18		
ALTITUDE	657'	
PRODUCTION		

CASING RECORD

	10"
	8 1/4"
20'	6 3/8"
15 1/2"	5 3/8"
SHOT	QUARTS BETWEEN

00694

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



CANADIAN COLLIERIES (DUNSMUIR) LTD.

TR-20

BORE HOLE No. 20

TSABLE RIVER FIELD

Scale: 1"=20'

00694

L19

MATERIAL	SECTION	THICKNESS	Depth below surface	Elev. 7522 above H.W.M. at Union Bay	Date
		21' 0"			
Blue Clay, Boulders & Gravel		5' 0"	21' 0" 26' 0"	731.2 726.2	March 1 st 1920 5 th
Blue Clay & Gravel		48' 0"			6 th 7 th 8 th 9 th
Hard broken black Shale		26' 0"	74' 0"	678.2	10 th
Grey Sandstone		6' 0"	100' 0" 106' 0"	652.2 646.2	11 th
Broken grey Sandstone		37' 0"			
Broken Sandstone		9' 0"	143' 0"	608.2	12 th
Broken brown Shale		3' 0"	152' 0"	600.2	
Sandstone		6' 0"	155' 0"	597.2	
Broken brown Shale		3' 0"	161' 0"	591.2	
Broken brown Shale		3' 0"	164' 0"	588.2	
Sandst. with layers of Shale		17' 0"			
			181' 0"	571.2	13 th
Sandstone		69' 0"			
					14 th
Brown Shale		2' 0"	250' 0"	542.2	
Broken Coal		2'	252' 0"	500.2	
Broken brown Shale		6' 0"	252' 2"	500.0	
Broken Coal		3'	258' 2"	494.0	
Broken brown Shale		4' 0"	258' 5"	493.8	
			262' 5"	488.8	15 th
Broken Sandstone		43' 3"			
					16 th
Shale		2"	305' 8"	446.5	
Broken dirty Coal		8"	305' 10"	446.3	
Broken brown Shale		8' 6"	306' 6"	443.7	
			315' 0"	437.2	
Sandstone		15' 0"			
Coal		6"	330' 0"	422.2	17 th
Broken brown Shale		1' 6"	330' 6"	421.7	
			332' 0"	420.2	
Sandstone		99' 6"			
					18 th
					19 th
Dirty Coal		1' 9"	431' 6"	320.7	
Broken Coal		1' 3"	432' 0"	320.2	
Layers of Shale & Bone		1' 3"	433' 9"	318.5	
Trap		9' 0"	435' 0"	317.0	
			444' 0"	308.2	20 th

TSABLE RIVER

B.H. 20
TR-20

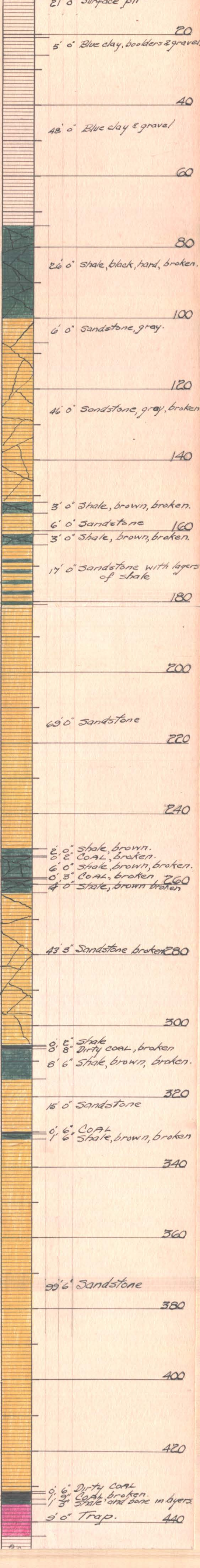
STATE		COMPANY	WELL NO.
COUNTY		FARM	
BLOCK		SURVEY	
SEC.		NELSON DISTRICT	
T.	R.	TOTAL DEPTH	
		444'	
		CONTRACTOR	
		COMMENCED Mar 1 1920	
		COMPLETED 1920, Mar 20	
		REMARKS	
ALTITUDE			
747' 2"			
PRODUCTION			

CASING RECORD

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

00694

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



CANADIAN COLLIERIES (DUNSMUIR) LTD.
 BORE HOLE No. 21
 TSABLE RIVER FIELD

NELSON DISTRICT
 TR-21

00694
 (L21)

Scale - 1"=20'

MATERIAL	SECTION	THICKNESS	Depth below surface	Elev. above H.M.M. at Union Bay	Date
To bedrock		10'-0"	10'-0"	1372.5	Mar. 21 st 20
					Mar. 22 nd
					23 rd
					24 th
Shale		220'-0"			25 th
					26 th
					27 th
					28 th
Shale with Conglomerate Pebbles		32'-0"	230'-0"	1152.5	28 th
					28 th
Shale with Sandst. Bands		16'-0"	262'-0"	1120.5	30 th
Shale with hard Pebbles		15'-0"	278'-0"	1104.5	31 st
Conglomerate		10'-0"	293'-0"	1088.5	Apr. 10 th
Shale with hard Pebbles		23'-0"	303'-0"	1079.5	Apr. 10 th
					11 th
					12 th
Conglomerate		63'-0"	389'-0"	993.5	13 th
					14 th
Shale with hard Pebbles		24'-0"	413'-0"	969.5	15 th
					16 th
Conglomerate		92'-0"	505'-0"	877.5	17 th
					18 th
Sandstone with Shale bands		45'-0"	550'-0"	832.5	20 th
					21 st
Sandstone		133'-0"	683'-0"	689.5	24 th
					23 rd
					24 th
Sandy Conglomerate		30'-0"	713'-0"	669.5	26 th
					27 th
					28 th
Sandstone		199'-0"	912'-0"	470.5	30 th
					31 st
Sandy Conglomerate		29'-0"	941'-0"	441.5	4 th
Sandstone		38'-0"	979'-0"	403.5	5 th
Sandy Conglomerate		21'-0"	1000'-0"	382.5	6 th
Shale		15'-0"	1015'-0"	367.5	7 th
Chert Conglomerate		15'-0"	1030'-0"	352.5	7 th
Sandy Shale		10'-0"	1040'-0"	342.5	8 th
Conglomerate		20'-0"	1060'-0"	322.5	8 th
Sandstone		9'-0"	1069'-0"	313.5	9 th
Shale		5'-0"	1074'-0"	308.5	9 th
Sandstone with Shale Bands		15'-0"	1089'-0"	293.5	10 th
					11 th
Sandstone		137'-0"	1226'-0"	156.5	12 th
					13 th
Conglomerate		74'-0"	1300'-0"	82.5	13 th
					14 th
Sandy Conglomerate		8'-0"	1308'-0"	74.5	15 th
					16 th
					17 th
Conglomerate		244'-0"	1552'-0"	-168.5	18 th
					19 th
					20 th
					21 st
					22 nd
Sandstone		10'-0"	1562'-0"	-179.5	23 rd
Conglomerate		16'-0"	1578'-0"	-195.5	24 th
Sandstone					25 th
					26 th
					27 th
Brown Shale		2'-0"	1632'-0"	-249.5	30 th
Coal		3'-0"	1637'-0"	-255.0	July 3 rd
Shale		9'-0"	1643'-0"	-260.5	
Bony Coal		2'-0"	1645'-0"	-262.5	
Shale		2'-0"	1647'-0"	-264.5	
Sandstone		10'-0"	1659'-0"	-280.5	5 th
Shale		16'-0"			6 th
Bony Coal		2'-0"	1685'-0"	-302.5	7 th
Shale		20'-0"			8 th
Trap		14'-0"	1707'-0"	-324.5	9 th

Bore hole covered necessitating cementing

CANADIAN COLLIERIES (DUNSMUIR) LTD.

TR-22

BORE HOLE No. 22

TSABLE RIVER FIELD

Scale: 1"=20'

00694

(L22)

MATERIAL	SECTION	THICKNESS	Depth below surface	Elev. 351 above H.M. of Union Bay	Date
Sand and Gravel		5'-0"	5'-0"	346.0'	Mar. 22 nd 1908
Blue Clay		4'-0"	9'-0"	342.0'	" 23 rd "
Clay and Gravel		11'-0"	20'-0"	331.0'	" 27 th "
Blue Clay and Gravel		15'-0"	35'-0"	316.0'	" 29 th "
Blue Clay		10'-0"	45'-0"	306.0'	" 30 th "
Sand and Gravel		5'-0"	50'-0"	301.0'	" 31 st "
Blue Clay and Gravel		40'-0"	90'-0"	261.0'	Apr. 1 st "
Clay and Boulders		9'-0"	99'-0"	252.0'	" 2 nd "
Shale		11'-0"	110'-0"	241.0'	" 3 rd "
					" 4 th "
					" 5 th "
Broken Shale		123'-0"			" 6 th "
					" 7 th "
					" 8 th "
					" 9 th "
					" 10 th "
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					" 27 th "
					" 28 th "
					" 29 th "
					" 30 th "
					" 31 st "
Shale		38'-0"	271'-0"	80.0'	" 31 st "
					" 1 st "
					" 2 nd "
					" 3 rd "
					" 4 th "
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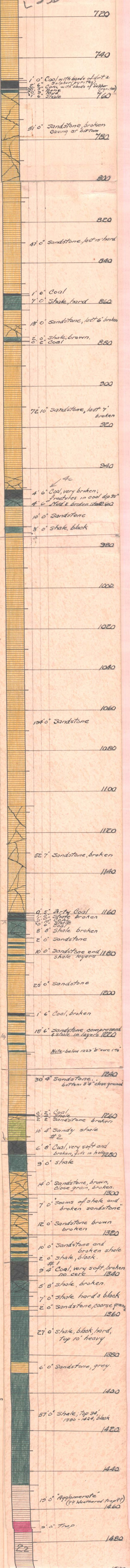
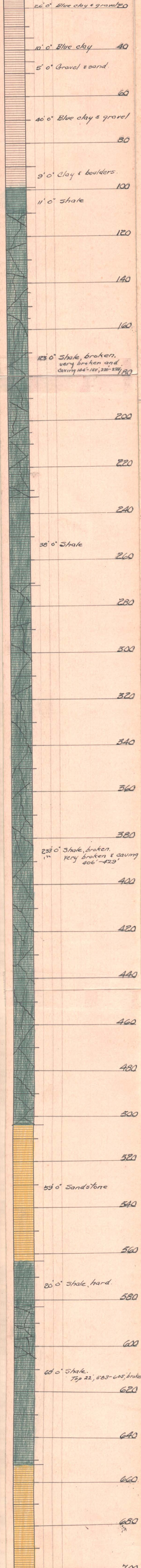
TABLE RIVER.

STATE **BH. 22**
 COUNTY **TR-22**
 BLOCK **WELSON DISTRICT.**
 SEC. **1471' 10"**
 T. R. **1471' 10"**
 TOTAL DEPTH **1471' 10"**
 CONTRACTOR **L 23B**
 COMMENCED **March 22, 1920**
 COMPLETED **1920, Aug 8**
 REMARKS **L 23B**

CASING RECORD

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

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



CANADIAN COLLIERIES (DUNSMUIR) LTD.

TR-23

BORE HOLE No.23

TSABLE RIVER FIELD

Scale: - 1" = 20'

00694

L24

MATERIAL	SECTION	THICKNESS	DEPTH BELLOW SURFACE	ELEV. 394.0 ABOVE H.W.M. AT UNION BAY	DATE
Surface		13'-0"	13'-0"	381.0'	Nov. 23 rd 20
Blue Clay & Gravel		25'-0"			- 24 th -
Trap Boulders		4'-0"	38'-0"	356.0'	- 25 th -
Coarse Gravel		3'-0"	42'-0"	352.0'	- 27 th -
Boulders		7'-0"	49'-0"	345.0'	- 28 th -
Boulders & hard Blue Clay		9'-0"	58'-0"	336.0'	- 30 th -
Coarse Gravel		5'-0"	63'-0"	331.0'	Dec. 1 st -
Boulders		1'-0"	64'-0"	330.0'	- 2 nd -
Coarse Gravel		3'-0"	67'-0"	327.0'	- 3 rd -
Boulders		2'-0"	69'-0"	325.0'	- 4 th -
Gravel & Boulders		2'-0"	71'-0"	323.0'	- 5 th -
Hard Blue Clay & Gravel		15'-0"	86'-0"	308.0'	- 8 th -
			89'-0"	305.0'	- 9 th -
					- 10 th -
					- 11 th -
					- 12 th -
					- 13 th -
Shale		87'-0"			- 14 th -
					- 15 th -
			176'-0"	218.0'	- 15 th -
Sandstone		14'-0"	190'-0"	204.0'	- 16 th -
Shale		42'-0"			- 17 th -
Close grain Sandstone		3'-0"	233'-0"	162.0'	- 17 th -
			235'-0"	159.0'	- 18 th -
					- 19 th -
Shale		58'-0"			- 20 th -
			293'-0"	101.0'	- 21 st -
Broken Sandstone		21'-0"	314'-0"	80.0'	- 21 st -
Sandstone		50'-0"			- 22 nd -
			364'-0"	30.0'	- 27 th -
Sandst with layers of Shale		13'-0"			- 28 th -
Broken Brown shale		1'-0"	377'-0"	17.0'	- 28 th -
Dirty Broken Coal		1'-0"	378'-0"	16.0'	
Broken Brown Shale		1'-0"	379'-0"	15.0'	
Dirty Black Shale		1'-0"	380'-0"	14.0'	
Hard Broken Sandstone		2'-0"	382'-0"	12.0'	
			385'-0"	9.0'	
Sandstone		44'-0"			- 29 th -
			429'-0"	-35.0'	- 30 th -
Shale		7'-8"	436'-8"	-42.7'	Jan 3 rd 21
Coal		6"	437'-2"	-43.2'	
Shale		3'-10"	441'-0"	-47.0'	
Sandstone		17'-8"			- 4 th -
Dirty Coal		1'-0"	458'-8"	-54.7'	
Shale		1'-0"	460'-0"	-56.0'	
Sandstone		30'-0"			- 5 th -
Bony Coal		1'-8"	490'-0"	-96.0'	
Shale		1'-0"	491'-0"	-97.0'	
Dirty Coal		10"	492'-0"	-98.0'	
Hard broken Shale		11'-0"	493'-0"	-99.0'	
			504'-0"	-110.0'	- 6 th -
					- 7 th -
					- 8 th -
Sandstone		118'-8"			- 9 th -
					- 10 th -
					- 11 th -
					- 12 th -
					- 13 th -
Coal		2'-4"	622'-0"	-228.7'	
Broken shale		1'-0"	623'-0"	-229.7'	
Bony Coal		1'-0"	624'-0"	-230.7'	
Coal		2'-8"	626'-0"	-232.0'	
Shale		3'-0"	633'-0"	-239.0'	- 10 th -
Sandstone		60'-0"			- 11 th -
Layers of very hard Sandstone & Shale			693'-0"	-299.0'	- 12 th -
					- 13 th -
Hard Sandy Shale		62'-0"			- 14 th -
			755'-0"	-361.0'	- 15 th -
Hard Black Shale		13'-4"			- 16 th -
Coal		2'-0"	768'-4"	-374.3'	
Sandy Shale		3'-6"	774'-0"	-378.8'	
Coal		1'-6"	774'-6"	-380.3'	
Shale		3'-2"	778'-2"	-383.9'	
Coal		1'-4"	779'-6"	-385.3'	
Shale		3'-2"	783'-2"	-389.1'	
Coal		1'-10"	784'-2"	-390.1'	
Black Shale			785'-0"	-391.0'	
Hard broken Shale		9'-0"			- 17 th -
Hard broken Shale & Sandstone		4'-3"	794'-0"	-400.0'	
Coal		6"	798'-3"	-404.2'	
Hard Shale		9'-3"	798'-9"	-404.7'	
Hard Broken Shale		5'-0"	808'-0"	-414.0'	- 18 th -
Broken Spotted Sandst.		3'-0"	813'-0"	-419.0'	
			816'-0"	-422.0'	
Trap Rock		14'-0"			- 19 th -
			830'-0"	-436.0'	

ANALYSIS

Moisture 1.3	32.90
Volatiles Matter	47.07
Fixed Carbon	20.03
Ash	100.00
Sulphur	0.92

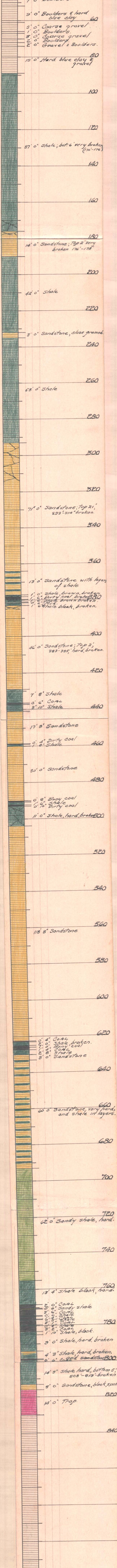
TULE RIVER.

STATE	B.H. 23	
COUNTY	COMPANY	FARM
BLOCK	SURVEY	
SEC.	NELSON DISTRICT	
T.	R.	TOTAL DEPTH
		830'
CONTRACTOR		
COMMENCED 7/23, 1920		
COMPLETED 1921, Jan 19		
REMARKS		
ALTIMITUDE 394'		
PRODUCTION		

CASING RECORD

10"
8 1/2"
6 1/2"
5 1/2"
4 1/2"
3 1/2"
2 1/2"
1 1/2"
1 1/4"
1 1/8"
1 1/16"
SHOT
QUARTS
TWEEN

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



CANADIAN COLLIERIES (DUNSMUIR) LTD.

TR-24


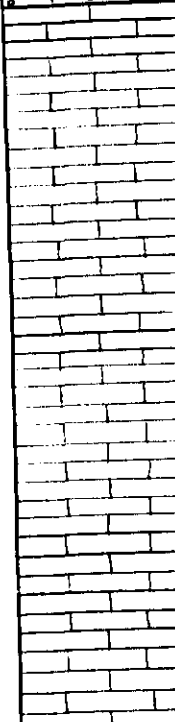



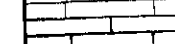
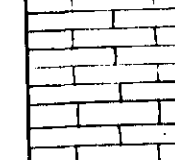
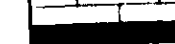

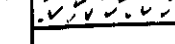

BORE HOLE No. 24

TSABLE RIVER FIELD

Scale: 1"=20'

00694

L26

Material	Section	Thickness	Depth below surface	EI. 635.0 Above H.W.M. at Union Bay	Date
		6' 0"	6' 0"	629.0'	
Sandstone		74' 6"			Aug. 1 st 1920
Shale		4' 6"	80' 6"	554.5'	
Coal		3' 0"	85' 0"	550.0'	
Shale		3' 0"	88' 0"	547.0'	" 3 rd "
			91' 0"	544.0'	
Sandstone		25' 0"			
Coal boney		2' 0"	116' 0"	519.0'	
Shale		3' 0"	118' 0"	517.0'	
Trap		4' 0"	121' 0"	514.0'	" 4 th "
			125' 0"	510.0'	

CANADIAN COLLIERIES (DUNSMUIR) LTD.

NELSON DISTRICT

TR-25

BORE HOLE No. 25

TSABLE RIVER FIELD

Scale: 1" = 20'

00694

L27

MATERIAL	SECTION	THICKNESS	Depth below Surface	Elev. 321.3 above H.W.M. at Union Bay	Date
Gravel, Boulders and Hard Pan		188' 6"			Aug 26 th 1920
					- 27 th -
					- 28 th -
					- 29 th -
					- 30 th -
					Sept 1 st
					- 3 rd -
					- 4 th -
					- 5 th -
					- 6 th -
					- 7 th -
					- 8 th -
					- 9 th -
					- 10 th -
					- 11 th -
					- 13 th -
					- 14 th -
					- 15 th -
					- 16 th -
					- 17 th -
					- 18 th -
					- 21 st -
					- 22 nd -
					- 23 rd -
					Oct 5 th
					- 6 th -
					- 7 th -
					- 8 th -
					- 9 th -
					- 10 th -
		- 11 th -			
		- 21 st -			
		- 22 nd -			
		- 23 rd -			
Shale		261' 6"	188' 6"	132.8'	- 26 th -
					- 27 th -
					- 28 th -
					- 29 th -
					- 30 th -
					- 31 st -
					Nov 1 st -
					- 2 nd -
					- 3 rd -
					- 5 th -
					- 6 th -
					- 7 th -
		450' 0"	- 129.7'	- 8 th -	Male caved

CANADIAN COLLIERIES (DUNSMUIR) LTD.
BORE HOLE No. 26
TSABLE RIVER FIELD
Scale: 1"=20'

00694
L28

MATERIAL	SECTION	THICKNESS	Depth below Surface	Elev. 1930 above H.W.M. of Union Bay	Date
Soil		2'-0"	2'-0"	191.0'	
Brown Clay		6'-0"	8'-0"	185.0'	Sept. 5 th 1920
Blue Clay		10'-0"			
Coarse Gravel		1'-0"	19'-0"	175.0'	- 9 ^{ft} -
Black Shale		2'-0"	21'-0"	172.0'	
Sandstone		2'-0"	23'-0"	170.0'	
					- 10 ^{ft} -
					- 11 ^{ft} -
					- 12 ^{ft} -
					- 13 ^{ft} -
					- 14 ^{ft} -
					- 15 ^{ft} -
Shale		344'-0"			- 16 ^{ft} -
					- 17 ^{ft} -
					- 18 ^{ft} -
					- 19 ^{ft} -
					- 20 ^{ft} -
					- 21 ^{ft} -
			367'-0"	-174.0'	- 22 nd -
Broken Shale		25'-0"			
			392'-0"	-199.0'	- 23 rd -
Shale		15'-0"			
			407'-0"	-214.0'	
Sandstone		19'-0"			
			426'-0"	-233.0'	- 24 th -
					- 25 th -
					- 26 th -
Shale		102'-0"			- 27 th -
					- 28 th -
			528'-0"	-335.0'	
					- 29 th -
Dark Sandstone		85'-0"			- 30 th -
					- 31 st -
Layers of Sand Coal & Sulphur Coal Black shale Sandstone Shale		0'-0" 2'-0" 2'-0" 2'-0" 2'-0"	613'-0" 615'-0" 617'-0" 619'-0" 621'-0"	-420.0' -420.5' -421.0' -421.5' -422.0'	
Light Sandstone		18'-0"			Oct. 1 st -
			638'-0"	-445.0'	
Sandstone		41'-0"			- 2 nd -
Coal		1'-0"	679'-0"	-486.0'	
Shale		3'-0"	683'-0"	-490.0'	- 3 rd -
					- 4 th -
Sandstone		81'-0"			- 5 th -
					- 6 th -
Broken Coal Shale Broken Coal Shale		0'-4" 0'-4" 0'-6" 0'-6"	764'-0" 764'-8" 765'-0" 765'-8"	-571.0' -571.7" -572.0' -572.7"	
Broken Sandstone		40'-0"			- 6 th -
			807'-0"	-614.0'	- 7 th -
					- 8 th -
Sandstone		89'-0"			- 9 th -
					- 11 th -
Broken Shale Brown Coal Sandstone Shale Shale Coal Shale Coal Shale Coal Shale Coal Shale Coal Broken Shale		0'-0" 0'-0" 0'-0" 0'-0" 0'-0" 0'-0" 0'-0" 0'-0" 0'-0" 0'-0" 0'-0" 0'-0" 0'-0" 0'-0" 0'-0"	896'-0" 896'-0" 897'-0" 897'-0" 898'-0" 898'-0" 899'-0" 899'-0" 900'-0" 900'-0" 901'-0" 901'-0" 902'-0" 902'-0" 903'-0"	-703.0' -703.0' -704.0' -704.0' -705.0' -705.0' -706.0' -706.0' -707.0' -707.0' -708.0' -708.0' -709.0' -709.0' -710.0'	
Hard broken Shale & Sandst.		28'-0"			- 13 th -
			936'-0"	-743.0'	- 14 th -
					- 15 th -
Broken Shale		66'-6"			- 16 th -
					- 17 th -
					- 18 th -
Soft broken Coal		4'-6"			- 26 th -
Broken Shale Coal with layers of Shale Broken Shale Broken Coal Broken Shale Broken Coal Hard broken black Shale Hard broken Sandstone		1'-0" 4'-0" 1'-0" 2'-6" 1'-6" 3'-6" 3'-0"	1017'-0" 1018'-0" 1020'-0" 1023'-0" 1026'-0" 1027'-6" 1034'-0"	-824.0' -825.0' -829.0' -830.0' -833.0' -834.0' -838.0'	
			1034'-0"	-842.0'	- 28 th -

Heavy cave started at 900 feet

CANADIAN COLLIERIES (DUNSMUIR) LTD.

BORE HOLE No. 27

TSABLE RIVER FIELD

Scale:- 1"=20'

00694

(229)

MATERIAL	SECTION	THICKNESS	Depth below Surface	Elev. 760 above H.W.M. at Union Box	Date
Clay, Hardpan and large Boulders		35' 0"			Dec 21 st 20
					22 nd ..
					Jan. 7 th 21
					8 th ..
Sandstone		62' 0"	35' 0"	725.0'	9 th ..
					10 th ..
					11 th ..
Coal		0' 6"	97' 0"	683.0'	12 th ..
			97' 6"	662.5'	
Shale		8' 0"	105' 6"	654.5'	
Sandstone		24' 6"			13 th ..
Coal		1' 0"	130' 0"	630.0'	
			131' 0"	629.0'	
Coal & Shale mixed		1' 0"	132' 0"	628.0'	
			6' 0"	138' 0"	622.0'
Shale		6' 0"	138' 0"	622.0'	
Trap		6' 0"	144' 0"	616.0'	15 th ..

CANADIAN COLLIERIES (DUNSMUIR) LIMITED

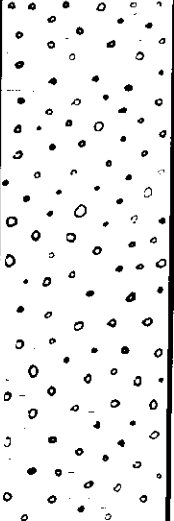

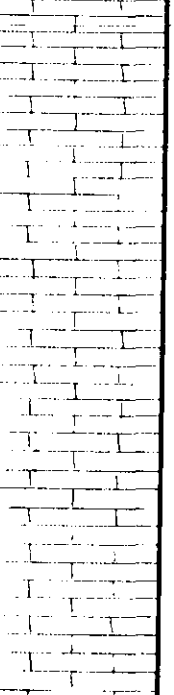


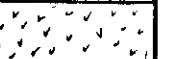
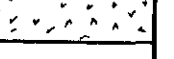

BORE HOLE N° 28

TSABLE RIVER FIELD

Scale :- 1" = 20'

00694

L30

MATERIAL	SECTION	THICKNESS	Depth below Surface	Elev. 713.0' above H.W.M. at Union Bay	DATE
Hardpan & Pebbles		55' 0"			Jan. 22 nd 21
					" 23 ^d ..
					" 24 th ..
					" 25 th ..
					" 26 th ..
					" 27 th ..
					" 28 th ..
					" 29 th ..
					" 30 th ..
					" 31 st ..
Coal & Shale mixed		3' 0"	55' 0" 58' 0"	658.0' 655.0'	
Sandstone		75' 0"			Feb. 1 st ..
					" 2 nd ..
					" 3 rd ..
					" 4 th ..
					" 5 th ..
Shale		1' 0"	133' 0" 134' 0"	580.0' 579.0'	
Coal		5' 0"			
Bony Coal		3' 0"	139' 0"	574.0'	
Clay Shale		2' 0"	142' 0" 144' 0"	571.0' 569.0'	
Trap		10' 0"			
			154' 0"	559.0'	

CANADIAN COLLIERIES (DUNSMUIR) LTD.

TR-29

BORE HOLE No.29

TSABLE RIVER FIELD

Scale:- 1"=20'

00694

L31

MATERIAL	SECTION	THICKNESS	DEPTH BELOW SURFACE	ELEV. ABOVE H.W.M. AT UNION BAY	DATE
Brown Clay		5' 0"	5' 0"	454.5	Feb 1 st 1921
Gravel & Boulders		6' 0"	11' 0"	448.5	
Blue Clay		6' 0"	17' 0"	442.5	" 2 nd "
Clay & Boulders		13' 0"	30' 0"	429.5	" 3 rd "
Gravel		5' 0"	35' 0"	424.5	" 4 th "
Hard Clay & Gravel		17' 0"	52' 0"	407.5	" 5 th "
Blue Clay & Boulders		6' 0"	58' 0"	401.5	" 6 th "
Hard Clay & Boulders		6' 0"	64' 0"	395.5	" 7 th "
Hard Clay & Gravel		20' 0"	84' 0"	375.5	" 8 th "
Sand & Gravel		1' 0"	85' 0"	374.5	" 9 th "
Hard broken Sandstone with layers of Shale		46' 0"			" 10 th "
			131' 0"	328.5	" 11 th "
Hard Sandstone		70' 0"			" 12 th "
			201' 0"	258.5	" 13 th "
Broken Shale		129' 0"			" 14 th "
					" 15 th "
Broken Sandstone		2' 0"	330' 0"	129.5	" 16 th "
			332' 0"	127.5	" 17 th "
Broken Shale		44' 0"			" 18 th "
Hard Sandstone		26' 0"	376' 0"	83.5	" 19 th "
Black Shale		4' 0"	402' 0"	57.5	" 20 th "
Sandstone		2' 0"	406' 0"	53.5	
Coal		1' 10"	408' 0"	51.5	
Mud		4"	409' 0"	49.5	
			410' 0"	49.3	" 21 st "
Sandstone		57' 10"			" 22 nd "
Dirty Coal		3' 3"	468' 0"	- 8.5	
Shale		3' 9"	468' 3"	- 8.7	
			472' 0"	- 12.5	
Sandstone		10' 0"	482' 0"	- 22.5	
Coal		5"	482' 5"	- 22.9	" 23 rd "
Sandstone		2"	482' 7"	- 23.1	
Bone		3"	482' 10"	- 23.3	
Hard Sandstone		22' 2"			" 24 th "
Layers of Shale & Sandst		6' 6"	505' 0"	- 45.5	
Broken Shale		8"	511' 6"	- 52.0	
Broken dirty Coal		10"	512' 0"	- 52.7	
Broken Shale		1' 8"	513' 0"	- 53.0	" 25 th "
Broken Coal		1' 2"	514' 8"	- 55.2	
Hard Sandstone		31' 4"			" 26 th "
Shale		1' 0"	546' 0"	- 86.5	" 27 th "
			547' 0"	- 87.5	
Hard Sandstone		12' 0"			" 28 th "
Hard Shale		7' 0"	559' 0"	- 99.5	
			566' 0"	- 106.5	" 29 th "
Hard Sandstone		36' 0"			" 30 th "
Broken Coal		8"	602' 0"	- 142.0	" 31 st "
Hard Shale		6' 4"	602' 8"	- 143.2	
			609' 0"	- 149.5	
Layers of Shale & Sandst		13' 0"			" 32 nd "
Hard Sandstone		9' 0"	622' 0"	- 162.5	" 33 rd "
Broken Shale & Coal		1' 0"	631' 0"	- 171.5	
Shale		3' 7"	632' 0"	- 172.5	
Dirty Coal		1' 10"	635' 7"	- 176.1	
Trap Rock		5' 7"	637' 5"	- 177.9	
			643' 0"	- 183.5	" 34 th "

CANADIAN COLLIERIES (DUNSMUIR) LTD.

TR-30

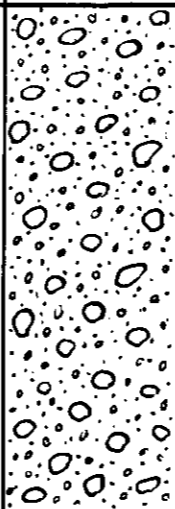
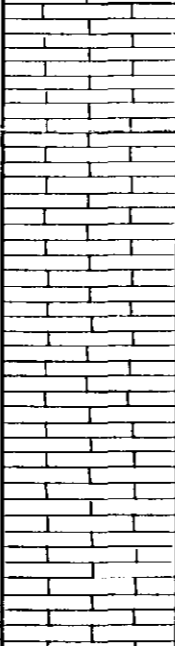



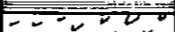

BORE HOLE No. 30

TSABLE RIVER FIELD

Scale: - 1" = 20'

00694

L32

MATERIAL	SECTION	THICKNESS	DEPTH BELOW SURFACE	ELEV. 676. ABOVE H. W. M. AT UNION BAY	DATE
Sand, Gravel & Boulders		51' 0"			Feb. 12 th 1921
					" 13 th "
					" 14 th "
					" 15 th "
					" 16 th "
			51' 0"	625.0'	" 17 th "
Sandstone		71' 0"			" 18 th "
					" 19 th "
					" 20 th "
Coal		2' 0"	122' 0"	554' 0"	
Shale		1' 6"	124' 0"	552' 0"	
Coal		2' 0"	125' 6"	550' 5"	
Shale		4' 0"	127' 6"	548' 5"	
Trap		10' 0"		131' 6"	544' 5"
				141' 6"	534' 5"

CANADIAN COLLIERIES (DUNSMUIR) LTD.

TR-31

BORE HOLE No.31

TSABLE RIVER FIELD

Scale:- 1" = 20'

00694

(L33)

MATERIAL	SECTION	THICKNESS	DEPTH BELOW SURFACE	ELEV. 988 ABOVE H.W.M. AT UNION BAY	DATE
Sandstone		70' 6"			Mar. 2 nd 1921
Coal		6"	70' 6" 71' 0"	917.5 917.0	" 3 rd "
Sandstone		32' 0"			
Coal & Shale mixed		2' 0"	103' 0" 105' 0"	885.0 883.0	" 4 th "
Sandstone		113' 0"			" 5 th "
Coal (powdered)		3' 0"	218' 0" 221' 0"	770.0' 767.0'	
Shale		4' 0"	225' 0"	763.0'	" 6 th "
Sandstone		49' 0"			" 7 th "
Coal & Shale (mixed)		5' 0"	274' 0" 279' 0"	714.0' 709.0'	
Shale		6' 0"	285' 0"	703.0'	
Trap		6' 0"	291' 0"	697.0'	" 8 th "

FABLE RIVER

B.H. 31

TR-31

NELSON DISTRICT

St. Mar. 2, 1921

Fin. Mar. 8, 1921

Depth - 98' 8"

Elevation - 291'

L39

Collar

20

70' 6" Sandstone

40

00694

60

0' 6" COAL

80

32' 0" Sandstone

100

2' 0" COAL & shale mixed.

120

140

160

113' 0" Sandstone

180

200

3' 0" COAL (powered)

220

4' 0" shale

240

49' 0" Sandstone

260

5' 0" COAL & shale mixed.

280

6' 0" shale

6' 0" Trap

CANADIAN COLLIERIES (DUNSMUIR) LTD.

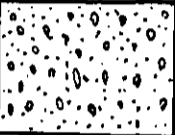
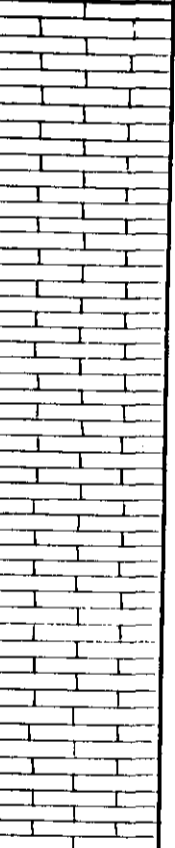
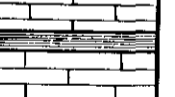
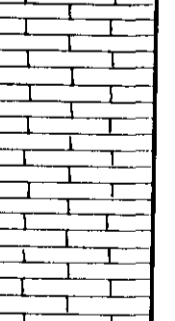
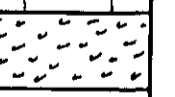
BORE HOLE No. 32

TSABLE RIVER FIELD

Scale:- 1"=20'

00694

L 35

MATERIAL	SECTION	THICKNESS	DEPTH BELOW SURFACE	ELEV. 966 ABOVE H.W.M. AT UNION BAY	DATE
Surface		12' 0"	12' 0"	954.0'	Mar. 18 th 1921
Sandstone		89' 0"			" 19 th "
					" 20 th "
Shale with Coal markings		2' 0"	101' 0" 103' 0"	865.0' 863.0'	" 21 st "
Sandstone		39' 0"			" 22 nd "
Trap		8' 0"	142' 0"	824.0'	
			150' 0"	816.0'	" 23 rd "

CANADIAN COLLIERIES (DUNSMUIR) LTD.

BORE HOLE No.33

TSABLE RIVER FIELD

Scale: 1" = 20'

00694
L36

MATERIAL	SECTION	THICKNESS	DEPTH BELOW SURFACE	ELEV. 478 ABOVE H.W.M. AT UNION BAY	DATE
Gravel & Boulders		5' 0"	5' 0"	473.0'	Mar 18 th 1920
Blue Clay & Boulders		5' 0"	10' 0"	468.0'	" 19 th "
Hd. Bl. Cl., Grav. & Boulders		8' 0"	18' 0"	460.0'	" 20 th "
Gravel & Boulders		15' 0"	33' 0"	445.0'	" 22 nd "
Bl. Cl., Gravel & Boulders		10' 0"	43' 0"	435.0'	" 23 rd "
Gravel & hd. blue Clay		20' 0"	63' 0"	415.0'	" 25 th "
Gravel, Boulders & hd. bl. Clay		18' 0"	81' 0"	397.0'	" 28 th "
Gravel & Boulders		8' 0"	89' 0"	389.0'	" 30 th "
Gravel & Clay		31' 0"	120' 0"	358.0'	Apr. 1 st "
					" 2 nd "
					" 4 th "
Sandstone with layers of Sh		59' 0"			" 7 th "
					" 8 th "
Hard Sandstone		35' 0"	179' 0"	299.0'	" 9 th "
					" 10 th "
Broken Sandstone		48' 0"	214' 0"	264.0'	" 11 th "
					" 12 th "
Broken Shale		62' 0"	262' 0"	216.0'	" 13 th "
					" 14 th "
Hard Shale		41' 0"	324' 0"	154.0'	" 15 th "
					" 16 th "
					" 18 th "
					" 19 th "
Broken Shale		130' 0"	365' 0"	113.0'	" 20 th "
					" 21 st "
					" 22 nd "
					" 23 rd "
					" 24 th "
Broken Shale with occasional layers of sandstone		19' 0"	495' 0"	-17.0'	" 25 th "
Broken Shale		18' 0"	514' 0"	-36.0'	" 26 th "
Mud		0' 6"	532' 0" 532' 6"	-54.0' -54.5'	" 27 th "
Sandstone		88' 10"			" 28 th "
					" 29 th "
Coal		0' 2"	621' 4" 621' 6"	-143.3' -143.5'	" 30 th "
Shale		14' 6"			" 31 st "
Sandstone		6' 5"	636' 0"	-159.0'	May 2 nd "
Coal (clean)		0' 6"	642' 5"	-169.5'	" 3 rd "
Coal (dirty)		4' 0"	648' 11"	-168.9'	" 4 th "
Sandstone		8' 1"	655' 0"	-177.0'	" 5 th "
Hard Shale		22' 0"			" 6 th "
Dirty Coal Shale		1' 1" 4' 0"	677' 0" 678' 1" 682' 1"	-199.0' -200.1' -204.1'	" 7 th "
					" 8 th "
					" 9 th "
Hard Sandstone		99' 1"			" 10 th "
					" 11 th "
					" 12 th "
Coal (dirty)		5' 4"	781' 2"	-303.2'	" 13 th "
Shale		3' 0"	786' 6" 789' 6"	-308.5' -311.5'	" 14 th "
Sandstone		35' 6"			" 15 th "
					" 16 th "
					" 17 th "
Shale		2' 0"	825' 0" 827' 0"	-347.0' -349.0'	" 18 th "
Broken Sandstone		4' 10"	831' 10"	-353.8'	" 19 th "
Coal (clean)		2' 0"	833' 0"	-354.0'	" 20 th "
Coal (dirty)		4' 4"	837' 0"	-358.0'	" 21 st "
Broken Shale		3' 8"	841' 4"	-360.5'	" 22 nd "
Coal (clean) Shale		7' 0"	848' 0" 843' 0"	-369.0' -365.0'	" 23 rd "
Trap		7' 0"	850' 0"	-372.0'	" 24 th "

NELSON DISTRICT

CANADIAN COLLIERIES (DUNSMUIR) LTD.

TR-34

BORE HOLE No.34

TSABLE RIVER FIELD

Scale: - 1" = 20'

00694

L37

MATERIAL	SECTION	THICKNESS	DEPTH BELOW SURFACE	ELEV. 865 ABOVE H.W.M. AT UNION BAY	DATE
Hardpan & Boulders		37'-0"			
			37'-0"	828.0'	APR. 4 th 1921
Sandstone		27'-0"			
					5 th
Shale		1'-0"	64'-0"	801.0'	
Coal		3'-6"	65'-0"	800.0'	
Shale		1'-0"	68'-6"	796.5'	
Sandstone		3'-6"	69'-6"	795.5'	
			73'-0"	782.0'	
Trap		17'-0"			
			90'-0"	775.0'	6 th

TSABLE RIVER.

B.H. 34

TR-34

Collar

37' 0" Gravel, hard pan & boulders. 20

40

27' 0" sandstone

60

1' 0" Shale
3' 6" COAL
1' 0" Shale
3' 6" Sandstone

14' 0" Trap. 80

100

00694

CANADIAN COLLIERIES (DUNSMUIR) LTD.

TR-35

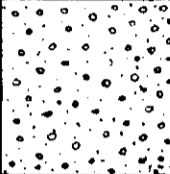
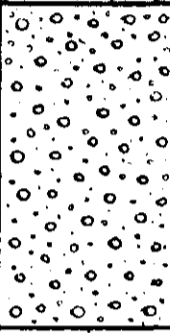
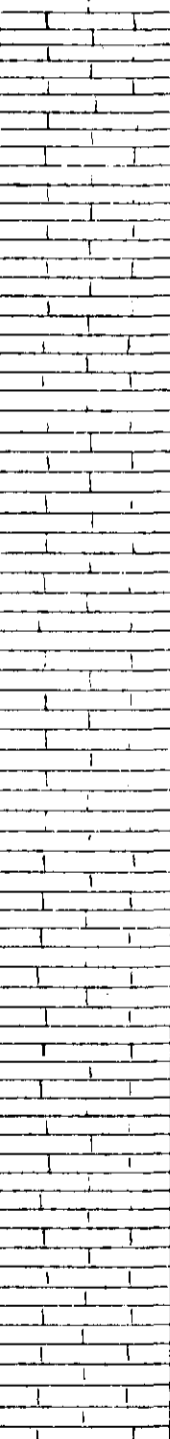

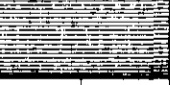
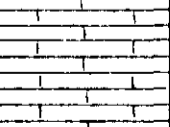

BORE HOLE No. 35

TSABLE RIVER FIELD

Scale: - 1" = 20'

00694

L38

MATERIAL	SECTION	THICKNESS	DEPTH BELOW SURFACE	ELEV. 925.0 ABOVE H.W.M. AT UNION BAY	DATE
Surface		18' 6"	18' 6"	906.5'	April 16-18 th 1921
Conglomerate		34' 0"			" 19 th "
					" 20 th "
					" 21 st "
					" 22 nd "
Sandstone		152' 6"	52' 6"	872.5'	" 23 rd "
					" 24 th "
					" 25 th "
					" 27 th "
					" 28 th "
					" 29 th "
Coal		0' 6"	205' 0"	720.0'	
Shale		10' 0"	205' 6"	719.5'	
Sandstone		15' 0"	215' 6"	709.5'	
Trap		8' 6"	230' 6"	694.5'	
			239' 0"	686.0'	" 30 th "

TSABLE RIVER

B.H. 35

TR-35

00694

L39

16' 6" 5

Collar

16' 6" surface

2' 0" Chopped in bedrock 20

34' 0" Conglomerate;
Top 10' broken 40

60

80

100

120

152' 6" Sandstone 140

160

180

200

0' 6" COAL
10' 0" shale 220

15' 0" Sandstone

8' 6" Trap. 240

CANADIAN COLLIERIES (DUNSMUIR) LTD.

TR-36

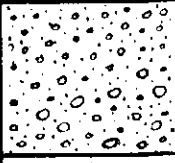
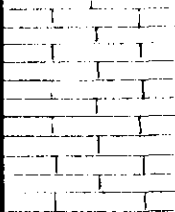

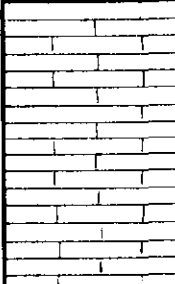
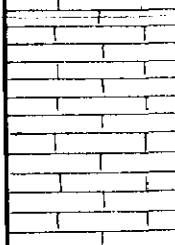
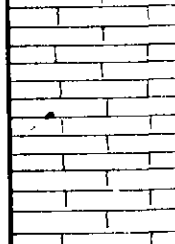
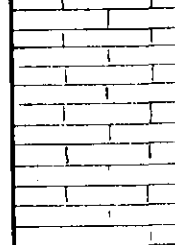
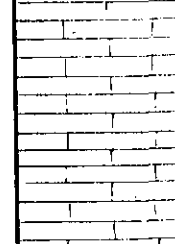
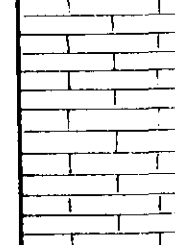
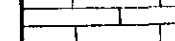
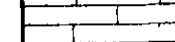
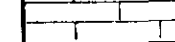
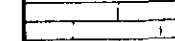
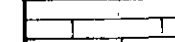
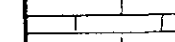
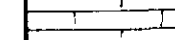
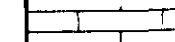
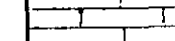
BORER HOLE No.36

TSABLE RIVER FIELD

Scale:- 1"=20'

00694

L40

MATERIAL	SECTION	THICKNESS	DEPTH BELOW SURFACE	ELEV. 794 ABOVE H.W.M. AT UNION BAY	DATE
Surface		16' 0"	16' 0"	778.0'	May 8 th 1921
Sandstone		35' 0"			
Coal		2' 0"	51' 0" 53' 0"	743.0' 741.0'	9 th
					10 th
					11 th
					12 th
Sandstone		186' 6"			13 th
					19 th
					20 th
Coal		1' 6"	239' 6" 241' 0"	554.5' 553.0'	27 th
Shale		14' 10"			
Coal		1' 0"	255' 10"	538.2'	
Shale		2"	256' 10"	537.2'	
Coal		4' 10"	257' 0"	537.0'	
Coal		4' 10"	261' 10"	532.2'	
Shale		4' 0"	265' 10"	528.2'	
Shale & Trap		2' 0"	267' 10"	526.2'	
Trap		4' 2"	272' 0"	522.0'	28 th

CANADIAN COLLIERIES (DUNSMUIR) LTD.

TR-37

BORE HOLE No.37

TSABLE RIVER FIELD

Scale :- 1" = 20'

00694

L41

MATERIAL	SECTION	THICKNESS	DEPTH BELOW SURFACE	ELEV. ABOVE H.W.M. AT UNION BAY	DATE
Brown Clay		3'-0"	3'-0"	484.0'	May 31 st 21
Gravel & Boulders		9'-0"	12'-0"	475.0'	" 2 nd "
Clay & Gravel		1'-0"	13'-0"	474.0'	" 3 rd "
Gravel & Boulders		1'-0"	14'-0"	473.0'	" 4 th "
					" 5 th "
					" 6 th "
					" 7 th "
Shale		58'-6"			" 8 th "
			72'-6"	414.5'	" 9 th "
					" 10 th "
Sandstone		64'-6"			" 11 th "
					" 13 th "
Dark sandy Shale		4"	137'-0"	350.0'	
			137'-4"	349.7'	
Hard Sandstone		12'-8"			
Sandy Shale		2'-0"	150'-0"	337.0'	
Sandstone		5'-5"	152'-0"	335.0'	
Coal		1'-9"	157'-5"	329.6'	" 14 th "
Shale		1'-10"	158'-2"	328.9'	
			160'-0"	327.0'	
Sandstone		45'-0"			" 15 th "
					" 16 th "
Sandy Shale		2'-0"	205'-0"	282.0'	
Dark Shale		5'-0"	207'-0"	280.0'	
Sandstone		1'-0"	212'-0"	275.0'	" 17 th "
Boney Coal		2"	213'-0"	274.0'	
			213'-2"	273.8'	
Black Shale		9'-10"			
Dark Sandy Shale		1'-0"	223'-0"	264.0'	" 18 th "
			224'-0"	263.0'	
Sandstone		31'-0"			
					" 19 th "
			255'-0"	232.0'	
Sandst. with Shale layers		10'-4"			
Brown Shale		2"	265'-4"	221.7'	
Dirty Coal		6"	265'-6"	221.5'	
Clean Coal		2'-8"	266'-0"	221.0'	
Coal & Shale		3"	266'-8"	218.3'	
Brown Shale		3"	268'-11"	218.1'	
Sandstone		8'-0"	269'-2"	217.9'	
Shale		1'-0"	277'-2"	209.9'	
Coal		2"	278'-2"	208.9'	
Shale		10"	278'-4"	208.7'	" 21 st "
			279'-2"	207.9'	
Sandstone		50'-2"			" 22 nd "
Shale		10"	329'-4"	157.7'	
			330'-2"	156.9'	
Sandstone		19'-0"			
Dark Shale		2"	349'-2"	137.9'	" 23 rd "
			349'-4"	137.7'	
Hard Sandst. with Shale streaks		11'-10"			
Muddy Shale		4'-0"	361'-2"	125.9'	" 24 th "
Dark Shale		7'-0"	365'-2"	121.9'	
Sandst. with Shale layers		5'-0"	372'-2"	114.9'	" 25 th "
			377'-2"	109.9'	
Sandstone		43'-0"			" 27 th "
Coal		1'-9"	420'-2"	66.9'	
Dirty Coal		2"	421'-11"	65.1'	
Dark Shale		1'-4"	422'-1"	64.9'	
Dirty Coal		6"	423'-5"	63.6'	
Clean Coal		1'-7"	423'-11"	63.1'	" 28 th "
Brown Shale		1'-5"	425'-6"	61.5'	
Coal		1'-3"	425'-11"	61.1'	
Shale		3"	427'-8"	59.3'	
Coal		3"	427'-11"	59.1'	
Coal & Shale		3'-9"	428'-8"	58.3'	
Trap		4'-1"	431'-11"	55.1'	
			436'-0"	50.0'	" 29 th "

NELSON DISTRICT

CANADIAN COLLIERIES (DUNSMUIR) LTD.

TR-38

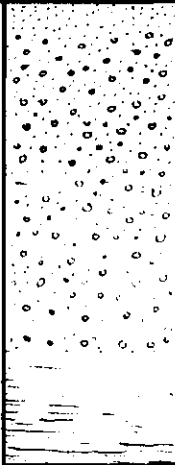
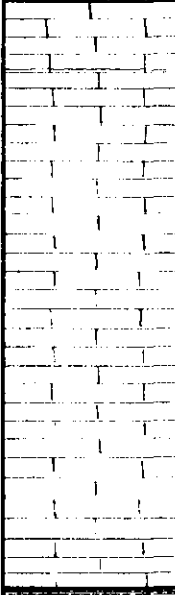
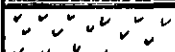

BORE HOLE No.38

TSABLE RIVER FIELD

Scale:- 1"=20'

00694

L42

MATERIAL	SECTION	THICKNESS	DEPTH BELOW SURFACE	ELEV. 856. ABOVE H.W.M. AT UNION BAY	DATE
Surface Soil, Gravel & Blue Clay		48'-0"			
			48'-0"	808.0'	June 3-8 21
Sandstone		61'-6"			" 9 "
					" 10 "
Shale		1'-0"	109'-6" 110'-6"	746.5' 745.5'	
Trap		14'-6"			
			125'-0"	731.0'	" 11 "

00694

(L43)

MATERIAL	SECTION	THICKNESS	DEPTH BELOW SURFACE	ELEV. ABOVE H.M.M. AT UNION BAY 1016.6	DATE
Surface		10'-0"	10'-0"	1004.4	June 19 & 20/21
					21 -
					22 -
Sandy Shale		153'-0"			23 -
					24 -
			163'-0"	853.6	25 -
					26 -
Sandy Shale Ply		101'-0"			27 -
			264'-0"	752.6	28 -
Sandstone		55'-0"			29 -
			319'-0"	697.6	30 -
Conglomerate		44'-0"			July 5 -
					6 -
			363'-0"	653.6	7 -
Sandstone		54'-0"			
Coal		6"	417'-0" 417'-6"	599.6 599.1	8 -
Sandstone		34'-6"			
Coal & Shale		3'-0"	452'-0" 455'-0"	564.6 561.6	
Shale		30'-0"			
			485'-0"	531.6	9 -
Sandstone		40'-0"			
			525'-0"	491.6	10 -
Sandy Shale		37'-0"			
			562'-0"	454.6	11 -
Sandstone		36'-0"			
Coal Shale Coal		1'-0" 1'-0" 2'-0"	598'-0" 599'-0" 602'-0"	418.6 417.6 416.6 414.6	12 -
Shale		36'-0"			
			638'-0"	378.6	13 -
					14 -
					15 -
Sandy Shale		162'-0"			16 -
					17 -
					18 -
Shale Coal		1'-0" 5'-6"	800'-0" 801'-0" 806'-6"	216.6 217.6 210.1	19 -
Sandstone		47'-6"			20 -
			854'-0"	162.6	21 -
Shale with Coal markings		12'-0"			
Trap		4'-0"	866'-0" 870'-0"	150.6 146.6	26 -

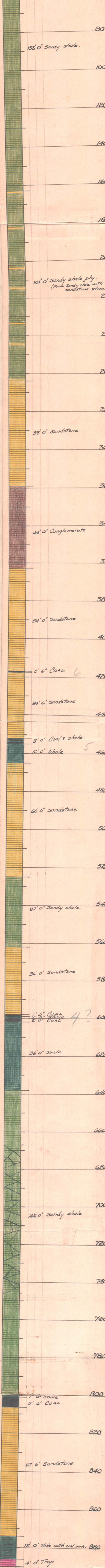
TSABLE RIVER

STATE	E.H. 39	
COUNTY	FARM	WELL NO.
BLOCK	TR-39	
SEC.	NEWSON DISTRICT	
T.	R.	TOTAL DEPTH
		870'
CONTRACTOR		
COMMENCED June 19, 1921		
COMPLETED July 26, 1921		
REMARKS		
(L44)		
ALTITUDE	1016.6'	
PRODUCTION		

CASING RECORD

10"	
8 1/4"	
6 1/2"	
5 1/2"	
4 1/2"	
QUARTS	BETWEEN

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



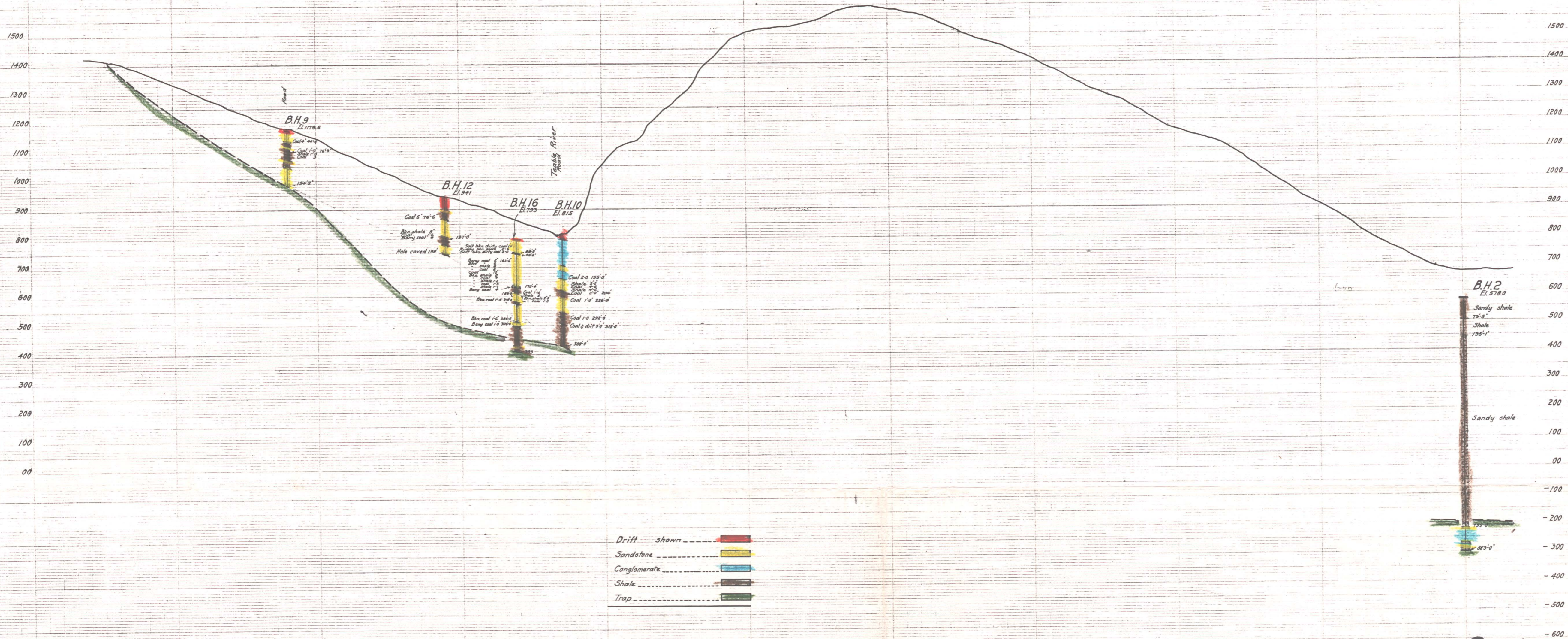
CANADIAN COLLIERIES (DUNSMUIR) LIMITED
BORE HOLE N^o 40
TSABLE RIVER FIELD

NELSON DISTRICT
TR-40

00694
 (L45)

Scale: 1"=20'

MATERIAL	SECTION	THICKNESS	DEPTH BELOW SURFACE	ELEV. 5044 ABOVE N.W.M. AT UNION BAY	DATE
Surface		8' 0"	8' 0"	496.4	July 11 th 1921
Clay & Gravel		6' 0"	14' 0"	490.4	- 12"
Boulders		2' 0"	16' 0"	488.4	
Fine Gravel		3' 0"	19' 0"	485.4	
Gravel & Clay		5' 0"	24' 0"	480.4	- 13"
Gravel & Boulders		4' 0"	28' 0"	476.4	
Gravel & Clay		3' 0"	31' 0"	473.4	- 14"
Gravel, Clay & Boulders		3' 0"	34' 0"	469.4	
Loose Gravel		3' 0"	37' 0"	466.4	
Gravel & Clay		6' 0"	43' 0"	461.4	
Gravel, Clay & Boulders		4' 0"	49' 0"	455.4	- 15"
			53' 0"	451.4	- 16"
					- 18"
Gravel & Boulders		24' 0"			- 19"
Sand		3' 0"	77' 0"	427.4	- 20"
Sand & Gravel		2' 0"	80' 0"	424.4	
Broken Shale		6' 0"	86' 0"	422.4	- 21"
					- 22"
Shale with Pebbles		16' 0"			- 25"
			104' 0"	400.4	- 26"
Shale		26' 0"			- 27"
Shale with Pebbles		3' 0"	130' 0"	374.4	
Sandy Shale		3' 0"	133' 0"	371.4	
			136' 0"	368.4	
Conglomerate		16' 9"			- 28"
					- 29"
Shale		4' 3"	152' 9"	351.6	
			157' 0"	347.4	- 30"
Shale & Sandstone layers		36' 0"			Aug 1 st
Sandstone		5' 0"	193' 0"	311.4	- 31"
Conglomerate		6"	199' 0"	306.4	
			198' 6"	305.9	- 32"
					- 33"
					- 34"
					- 35"
Hard Sandstone		111' 6"			- 36"
					- 37"
					- 38"
Conglomerate		4' 6"	310' 0"	194.4	
			314' 6"	189.9	- 39"
Sandstone		20' 6"			- 40"
Sandstone & Shale layers		3' 0"	335' 0"	169.4	
			338' 0"	166.4	- 41"
					- 42"
					- 43"
					- 44"
					- 45"
					- 46"
					- 47"
					- 48"
					- 49"
					- 50"
Sandstone		157' 6"			- 51"
					- 52"
					- 53"
					- 54"
					- 55"
					- 56"
					- 57"
					- 58"
					- 59"
Conglomerate		1' 6"	495' 6"	8.9	- 60"
Sandstone with Pebbles		7' 0"	502' 6"	0.4	- 61"
					- 62"
Sandstone		24' 0"			- 63"
Conglomerate		2' 0"	526' 0"	-23.6	- 64"
Sandstone		6' 0"	532' 0"	-29.6	- 65"
Conglomerate		2' 0"	534' 0"	-31.6	- 66"
Sandstone		4' 0"	538' 0"	-35.6	- 67"
Conglomerate		1' 6"	542' 0"	-37.6	- 68"
Sandstone		6"	543' 6"	-38.6	- 69"
					- 70"
Conglomerate		52' 0"			- 71"
					- 72"
					- 73"
					- 74"
					- 75"
Shale		1' 0"	596' 0"	-31.6	- 76"
			597' 0"	-32.6	- 77"
Conglomerate		8' 0"	605' 0"	-100.6	- 78"
Sandstone & Shale layers		4' 0"	609' 0"	-104.6	- 79"
					- 80"
Conglomerate		14' 6"			- 81"
			623' 6"	-119.1	- 82"
Sandstone		11' 6"			- 83"
			635' 0"	-130.6	- 84"
Sandstone (broken)		10' 0"			- 85"
Conglomerate		1' 0"	645' 0"	-140.6	- 86"
Sandstone		8' 0"	649' 0"	-147.6	- 87"
					- 88"
					- 89"
					- 90"
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					- 95"
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					- 100"
Conglomerate		44' 0"			- 101"
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					- 260"
					- 261"
					- 262"
					- 263"



00694
 (L46)

SECTION ON 1-2
 Hor. Scale, 1"=300
 Vert. 1"=200

Elevs. reduced to datum Mean High Water Mark Union Bay

TSABLE RIVER

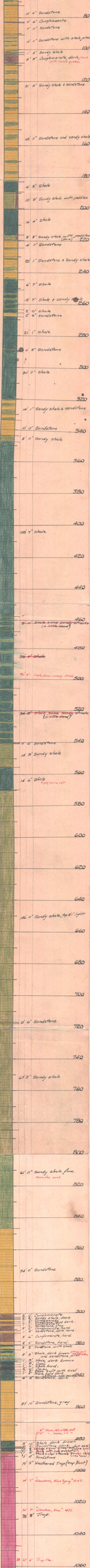
STATE	Oklahoma		COMPANY	TR-1
COUNTY	Tulsa		FARM	
BLOCK	Tulsa District		WELL NO.	
BLOCK	SURVEY			
SEC.				
T.	R.	TOTAL DEPTH		
		1068' 5"		
CONTRACTOR				
COMMENCED				1908
COMPLETED				1909
REMARKS				(LI)
ALTITUDE		410'		
PRODUCTION				

CASING RECORD

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

00694

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



TSARKE RIVER
B.H. #12

STATE	COMPANY	WELL NO.
COUNTY	FARM	
BLOCK	SURVEY NELSON DISTRICT	
SEC.		
T.	R.	TOTAL DEPTH 898'10"
CONTRACTOR		
COMMENCED		
COMPLETED 1909		
REMARKS		
ALTIMITUDE 578'		
PRODUCTION 578'		

TR-2
L2

CASING RECORD		
10"		
8 1/4"		
6 3/4"		
5"		
4"		
3 1/2"		
3"		
2 1/2"		
2"		
1 1/2"		
1"		
SHOT	QUARTS	BETWEEN

00694

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

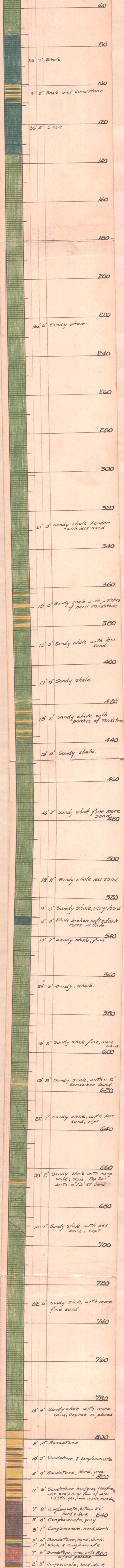


TABLE RIVER
D.H. # 3

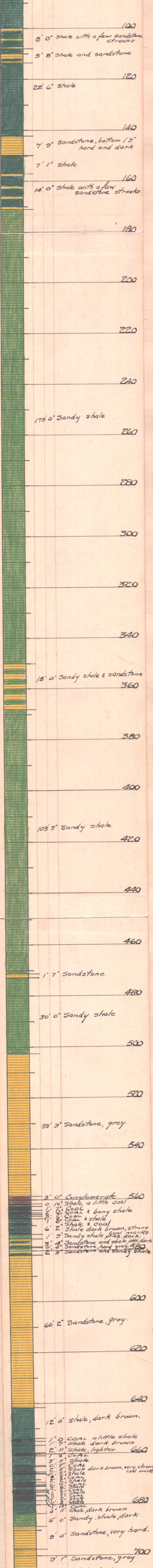
STATE _____ COMPANY (TR-3)
 COUNTY _____ FARM _____ WELL NO. _____
 BLOCK _____ SURVEY NELSON DISTRICT
 SEC. _____
 T. _____ R. _____ TOTAL DEPTH 833'
 CONTRACTOR _____
 COMMENCED _____
 COMPLETED 1919
 REMARKS (L3)
 ALTITUDE 914'
 PRODUCTION _____

CASING RECORD

10" _____
 8 1/4" _____
 6 3/4" _____
 5 1/2" _____

SHOT QUARTS BETWEEN

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



TEABLE RIVER

B.H. 32

FR-32

NELSON DISTRICT

ALT. 966'

DEPTH - 150'

St. Mar. 18, 1921

Fin. Mar. 23, 1921

Collar

12' 0" Surface

L4

20

00694

40

89' 0" Sandstone, very broken, 43'-74'

60

80

2' 0" Shale & coal

100

39' 0" Sandstone

120

140

8' 0" Trap.

160

TSALE RIVER

B.H. #4

STATE		COMPANY	
COUNTY		FARM	WELL NO.
BLOCK		SURVEY	
SEC.			
T.	R.	TOTAL DEPTH	
		CONTRACTOR	
		COMMENCED	
		COMPLETED	
ALTITUDE		REMARKS	
PRODUCTION			

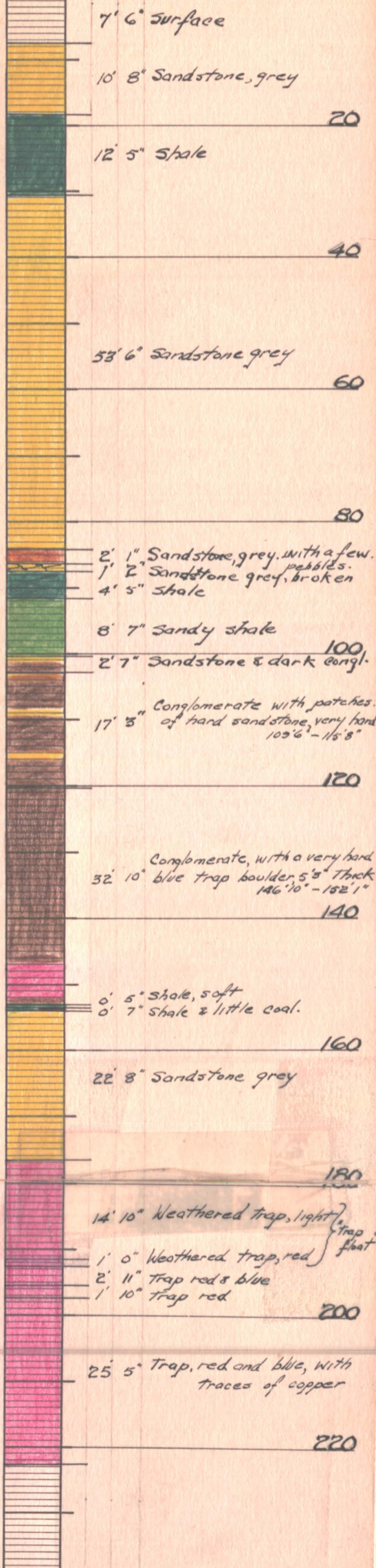
(15)

CASING RECORD

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

00694

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



19' 0" Agglomerate

L6

4' 0" Sandstone, hard, grey, 140

8' 0" Agglomerate

6' 0" Sandstone, grey, broken.

6' 0" Agglomerate 160

8' 0" Sandstone, white

28' 0" Trap.

180

200

(L7) 140

2' 0" COAL

12' 0" Shale

160

35' 0" Sandstone

180

3' 2" COAL (no core)

200

8' 0" Shale

4' 10" Trap.

220