

TECK CORPORATION LIMITED

STRATIGRAPHIC LOG

OF

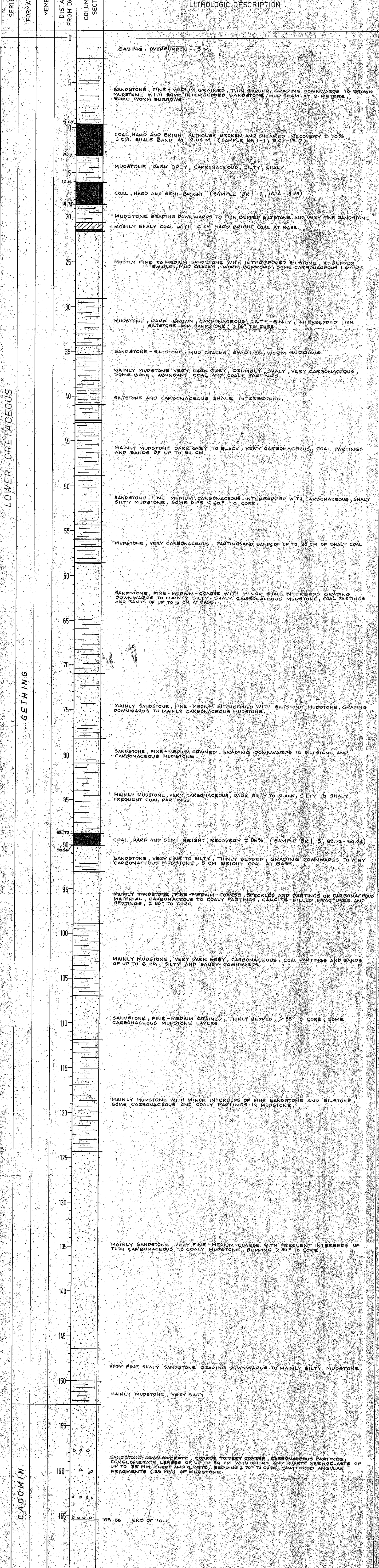
DDH. BR-1

488

VERTICAL SCALE 1 : 200

R.R. Burnt River 78 (3)A

PROJECT <u>Burnt River</u>	LOCATION <u>Sukunka</u>
HOLE NO <u>1</u> CORE SIZE <u>NQ</u>	DATUM <u>Top of casing</u>
CO-ORDINATES <u>83000</u> N <u>29660</u> E	DATE STARTED <u>15 Aug 1977</u>
COLLAR ELEVATION <u>1161</u> METRES	DATE FINISHED <u>21 Aug 1977</u>
HOLE ANGLE <u>90°</u> TOTAL DEPTH <u>165.55</u> M.	LOGGED BY <u>R.S. Verzosa</u>



LOWER CRETACEOUS

GETTING

CADOMIN

TECK CORPORATION LIMITED

STRATIGRAPHIC LOG

OF

DDH. BR-2

VERTICAL SCALE 1 : 200

488

PK - BURNT RIVER 72(3)A.

PROJECT <u>BURNT RIVER</u>	LOCATION <u>SUKUNKA</u>
HOLE NO <u>BR-2</u> CORE SIZE <u>NQ</u>	DATUM <u>GROUND LEVEL</u>
CO-ORDINATES <u>N</u> <u>E</u>	DATE STARTED _____
COLLAR ELEVATION <u>1256</u> METRES	DATE FINISHED _____
HOLE ANGLE <u>90°</u> TOTAL DEPTH <u>177.09</u> M.	LOGGED BY <u>B. McCLYMONT</u>

SERIES	FORMATION	MEMBER	DISTANCE FROM DATUM	COLUMNAR SECTION	LITHOLOGIC DESCRIPTION
			0		CASING
			5		
			10		MAINLY SANDSTONE, MEDIUM-COARSE, SILTY AND SHALY PHASES, HIGHLY FRACTURED AND CALCITE-FILLED, BEDDING FROM $>85^\circ$ TO $<40^\circ$ TO CORE
			15		
			20		MUDSTONE, DARK GREY, VERY CARBONACEOUS, COALY TO COAL PARTINGS
			23.20		
			24.39		COAL, HARD, BRIGHT-SEMI BRIGHT, FRACTURED, RECOVERY 0.6 M (SAMPLE: 23.20 24.39)
			25		MUDSTONE, VERY CARBONACEOUS, COAL PARTINGS.
					SANDSTONE, COARSE TO VERY COARSE, CARBONACEOUS, COAL PARTINGS, $\pm 55^\circ$ TO CORE
			30		MAINLY SILTSTONE, INTERBEDDED FINE SANDSTONE, ALSO COARSE CARBONACEOUS SANDSTONE 65° TO CORE
			35		
			40		MAINLY MUDSTONE, CARBONACEOUS, INTERBEDDED SILTSTONE-SANDSTONE WITH CALCITE FILLED FRACTURES COAL PARTINGS AND BANDS
			45		
			50		MAINLY SANDSTONE, FINE-MEDIUM, THIN-BEDDED, IN PARTS SHALY AND SILTY 50° - 60° TO CORE
			55		
					COAL SEAM, INCLUDES VERY CARBONACEOUS SANDSTONE AND MUDSTONE
			60		
			65		SILTSTONE-BANDSTONE INTERBEDDED, IN PARTS SHALY, BEDDING 50° TO CORE SOME CARBONACEOUS AND COALY MUDSTONE LAYERS
			70		
			75		MAINLY MUDSTONE, CARBONACEOUS, SILTY AND SANDY PHASES $\pm 70^\circ$ TO CORE 15 CM COAL AT 73.17 M
			80		
			80.79		
			82.0		COAL MOSTLY DULL, HARD, 10% SANDY AND SHALY BANDS (SAMPLE BR-2-1 80.79-82)
			85		MUDSTONE VERY CARBONACEOUS, VERY SILTY TO SANDY, COAL PARTINGS AND BANDS OF UP TO 25CM
			90		SANDSTONE, FINE-MEDIUM GRAINED, CARBONACEOUS AND COALY PARTINGS
			95		MUDSTONE, BLACK, VERY CARBONACEOUS WITH FREQUENT COAL PARTINGS
			95.9		
			100		MUDSTONE WITH MINOR INTERBEDDED SANDSTONE SILTSTONE SANDSTONE (100.28-100.89)
			102.32		
			103.33		
			103.57		COAL CLEAN BLOCKY BONE COAL AND MUDSTONE (103.33-103.57) 5.24/3.35
			107.47		MUDSTONE CARBONACEOUS, COAL MUDSTONE GOUGE AT 107.44-109.74
			108.12		COAL DULL TO SEMI BRIGHT BLOCKY, CLEAN .82/12
			109.17		
			110		MUDSTONE CARBONACEOUS INTERBEDDED SILTSTONE, SANDSTONE 109.24-113.39 CONVOLUTED BEDDING DIPS AT 60° TO CORE
			115		
			115.76		COAL CLEAN BRIGHT, CRUSHED .77/12
			116.53		MINOR COAL AT 121.16 MUD GOUGE AT 137.62
			120		
			121.92		
			125		SANDSTONE SALT AND PEPPER FINE TO MEDIUM GRAINED MASSIVE CALCITE VEINLETS AND MINOR WHISPS (COARSE GRAINED AT 128.0-128.69) DIPS AT 70° TO CORE
			128.69		
			130		SANDSTONE MUDSTONE MEDIUM INTERBEDDED
			134.46		
			135		MUDSTONE CARBONACEOUS
			135.5		
			140		SANDSTONE MUDSTONE THINLY INTERBEDDED (SANDSTONE 70-80%) FINE-MEDIUM GRAINED CONVOLUTED SILTSTONE 20% BEDDING AT 60° TO CORE AXIS DIPS AT 70° TO CORE
			145		
			145.41		MUDSTONE, SILTSTONE
			147.82		SANDSTONE MEDIUM TO COARSE GRAINED NUMEROUS COAL WHISPS MINOR MUDSTONE BASICALLY CLEAN
			150		DIPS AT 60° TO CORE
			153.50		
			155		MUDSTONE THINLY INTERBEDDED SANDSTONE 20%
			155.6		
			156.05		MUDSTONE CARBONACEOUS MINOR SANDSTONE COAL AND MUD GOUGE (156.05-156.65)
			157.10		COAL .30/10
			160		
			160.32		
			165		MUDSTONE SILTY CARBONACEOUS TO VERY CARBONACEOUS, Fe CONCRETIONS COAL MUDSTONE GOUGE AT 172.06 MINOR SANDSTONE 164.59-165.40 BEDDING AT 60° TO CORE AXIS COAL WHISPS STARTING AT 173.13 COAL WITH MUDSTONE CHIPS AT 174.65 70% 30%
			170		
			175		
			177.09		END OF HOLE

LOWER CRETACEOUS
GETHING

TECK CORPORATION LIMITED

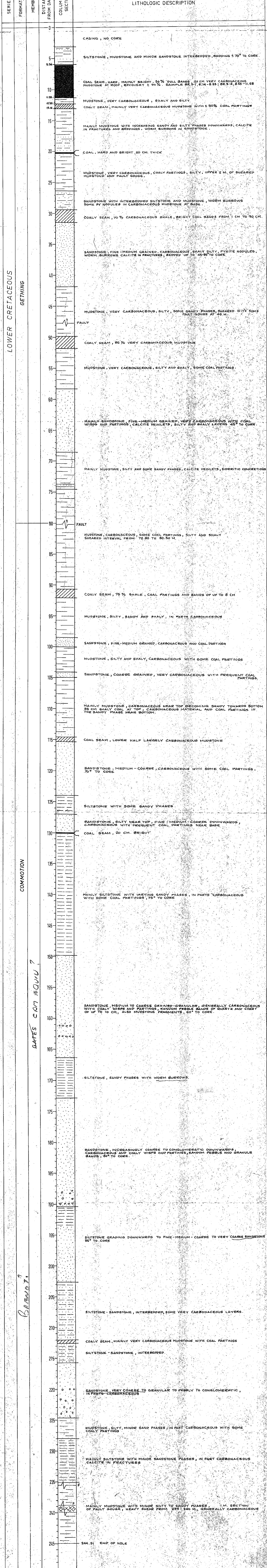
STRATIGRAPHIC LOG OF DDH. BR-3

VERTICAL SCALE 1 : 200

488

Re-Burnt River 78(3)A

PROJECT Burnt River LOCATION Sukunka
 HOLE NO 3 CORE SIZE NQ DATUM Top of casing
 CO-ORDINATES 84900 N 35300 E DATE STARTED 30 Aug 1977
 COLLAR ELEVATION 1085 METRES DATE FINISHED 6 Sept 1977
 HOLE ANGLE 90° TOTAL DEPTH 244.51 M. LOGGED BY R.S. Verzosa



LOWER CRETACEOUS

GETHING

COMMOTION

GATES 5 CM EQUIV ?

Barnot?

TECK CORPORATION LIMITED

STRATIGRAPHIC LOG

OF

DDH. BR-4

488

VERTICAL SCALE 1 : 200

PR-BURNT RIVER 78(3)A.

PROJECT <u>Burnt River</u>	LOCATION <u>Sukunka</u>
HOLE NO <u>BR-4</u> CORE SIZE <u>NQ</u>	DATUM <u>Top of casing</u>
CO-ORDINATES <u>82160</u> N <u>27500</u> E	DATE STARTED <u>8 sept 1977</u>
COLLAR ELEVATION <u>1255</u> METRES	DATE FINISHED <u>11 sept 1977</u>
HOLE ANGLE <u>90°</u> TOTAL DEPTH <u>78.35</u> M.	LOGGED BY <u>R.S. Verzosa</u>

SERIES	FORMATION	MEMBER	DISTANCE FROM DATUM	COLUMNAR SECTION	LITHOLOGIC DESCRIPTION
			0	X	CASING
			5	.	SANDSTONE, FINE GRAINED WITH INTERBEDDED SILTSTONE
			10	—	SILTSTONE WITH MINOR SANDY PHASES.
			13.18	—	MUDSTONE
			14.80	■	COAL SEAM, MOSTLY DULL AND SEMI-BRIGHT, INCLUDES 47 CM OF VERY CARBONACEOUS MUDSTONE. (SAMPLE BR.4-4, 13.18-14.80)
			15	—	MAINLY SILTSTONE WITH MINOR SANDY PHASES
			20	—	COAL SEAM, 36 CM THICK, LOWER 2/3 VERY SHALY.
			25	.	SILTSTONE, THIN BEDDED, THIN SANDSTONE, 87° TO CORE.
			25	.	SANDSTONE, MEDIUM GRAINED, CARBONACEOUS, COALY WISPS.
			30	—	MAINLY MUDSTONE, SILTY AND SHALY, IN PARTS CARBONACEOUS, 90° TO CORE
			35	—	
			39.54	■	COAL, GENERALLY HARD, SEMI BRIGHT WITH SOME BRIGHT BANDS CARBONACEOUS MUDSTONE AT 39.76 - 40.09 AND 41.77 TO 41.87 (8.75 M. RECOVERED.) (SAMPLE BR.4-1, 40.09-41.87; SAMPLE BR.4-2, 41.87-44.82 BR.4-3, 44.82-49.80)
			40	■	
			45	■	
			49.08	■	
			50	■	NO CORE
			50	■	PROBABLY MUDSTONE
			50	■	HIGH CORE LOSS
			50	■	RECOVERY 0.75, MOSTLY MUD SEAM (FAULT GOUGE) AND SHEARED CARBONACEOUS MUDSTONE
			55	—	MUDSTONE, CARBONACEOUS
			55	.	SANDSTONE-SILTSTONE, INTERBEDDED, 85°-90° TO CORE.
			55	—	MUDSTONE, CARBONACEOUS, COALY PARTINGS AT BASE
			60	—	SILTSTONE
			65	—	MUDSTONE, SILTY AND SHALY, IN PARTS CARBONACEOUS WITH COAL PARTINGS.
			65	.	SANDSTONE, IN PARTS CARBONACEOUS, CALCITE VEINLETS.
			70	.	MAINLY SANDSTONE AND SILTSTONE INTERBEDDED WITH MINOR MUDSTONE LAYERS
			75	.	
			78.35	—	END OF HOLE
			80	—	
			85	—	

LOWER CRETACEOUS

GETTING

TECK CORPORATION LIMITED

STRATIGRAPHIC LOG OF DDH. BR-5

488

VERTICAL SCALE 1 : 200

PR - BURNT RIVER 78 (3)A.

PROJECT <u>BURNT RIVER</u>	LOCATION <u>SUKUNKA</u>
HOLE NO <u>BR-5</u> CORE SIZE <u>NQ</u>	DATUM <u>GROUND LEVEL</u>
CO-ORDINATES <u>N</u> <u>E</u>	DATE STARTED _____
COLLAR ELEVATION <u>1344.6</u> METRES	DATE FINISHED _____
HOLE ANGLE <u>90°</u> TOTAL DEPTH <u>128.65</u> M.	LOGGED BY <u>B. McCLYMONT</u>

SERIES	FORMATION	MEMBER	DISTANCE FROM DATUM	COLUMNAR SECTION	LITHOLOGIC DESCRIPTION
			0	0	OVERBURDEN
			3.35	0.5	
			5		SANDSTONE MEDIUM TO COARSE GRAINED, COALY WISPS DIPS AT 70° TO CORE AXIS
			8.32		
			10		SILTSTONE LIGHT GREY, CONVOLUTED BEDDING
			14.10		SILTSTONE FINELY INTERBEDDED SANDSTONE
			15		MUDSTONE SILTY
			20		MUDSTONE SILTY AND CARBONACEOUS
			20.44		COAL CLEAN BRIGHT AND BLOCKY <i>168/168</i>
			20.96		SANDSTONE CARBONACEOUS
			21.26		COAL BLOCKY TO CRUSHED, CLEAN
			21.12		MUDSTONE VERY CARBONACEOUS BONE COAL CLEAN COAL <i>89/43</i>
			23.32		MUDSTONE WITH COAL PARTINGS
			25		COAL BRIGHT WITH DULL BANDS AND SHALY TO SANDY PARTINGS (20%)
			25.27		MUDSTONE, CARBONACEOUS, MINOR COAL PARTINGS
			25.59		
			27.40		
			30		SANDSTONE MEDIUM TO FINE GRAINED TO SILTY WITH MEDIUM INTERBEDDED CONVOLUTED SILTSTONE DIPS AT 60° TO CORE AXIS
			33.13		
			35		MUDSTONE CARBONACEOUS WITH MINOR CLEAN COAL PARTINGS
			40		
			40.51		
			45		SANDSTONE MEDIUM GRAINED WITH CONVOLUTED SILTSTONE CALCITE FRACTURE FILLING DIPS AT 60° TO CORE AXIS
			50		MUDSTONE MEDIUM INTERBEDDED FINELY INTERBEDDED SANDSTONE AND SILTSTONE WITH MUD GAULS
			55		
			55.67		SANDSTONE MEDIUM GRAINED HEAVILY FRACTURED, CALCITE INFILLING, SHEARED SURFACES CLEAN TO SILTY PHASES WITH INTERBEDDED MUDSTONE 20% DIPS AT 70° TO CORE
			60		
			64.12		
			65		COAL CLEAN BRIGHT AND BLOCKY, SOFT <i>3.76/184</i> MINOR ASH VISABLE
			67.50		BONE COAL
			67.88		
			70		MUDSTONE WITH SILTY PHASES
			74.31		
			75		
			76.90		MUDSTONE SHEARED AND CRUSHED
			77.74		
			80		MUDSTONE WITH SILTY PHASES MINOR COAL PARTINGS DIPS AT 80° TO CORE
			85		
			90		
			91.60		COAL CLEAN SHEARED <i>40/30</i>
			92.0		
			95		SANDSTONE SILTY TO CLEAN WITH INTERBEDDED MUDSTONE (30%) DIPS 75°-80° TO CORE
			98.18		
			100		SANDSTONE CLEAN SILTY PHASES MEDIUM GRAINED WITH CLAY GAULS AND COALY PARTINGS DIPS 80°-85° TO CORE
			105		
			105.10		SANDSTONE MEDIUM GRAINED INTERBEDDED WITH SILTY PHASES INTERBEDDED MUDSTONE WITH COALY PHASES
			108.60		
			110		SANDSTONE MEDIUM TO COARSE GRAINED WITH CARBONACEOUS WHISPS INTERBEDDED MUDSTONE WITH CONVOLUTED BEDDING
			113.13		
			115		SANDSTONE HEAVILY FRACTURED CALCITE INFILLING SLICKENSIDES
			115.50		
			117.40		MUDSTONE CARBONACEOUS
			118.12		COAL BRIGHT AND CLEAN <i>72/60</i>
			119.40		MUDSTONE
			120.50		COAL CLEAN BRIGHT <i>64/50</i>
			122.84		MUDSTONE SANDSTONE MEDIUM INTERBEDDED 40% 40% 20%
			125		SANDSTONE MEDIUM GRAINED CLEAR TO SILTY, CALCITE VEINLETS INCREASING IN MUDSTONE WITH DEPTH DIPS 80° TO CORE
			126.53		
			128.65		MUDSTONE CARBONACEOUS
			130		END OF HOLE

LOWER CRETACEOUS
GETHING

TECK CORPORATION LIMITED

STRATIGRAPHIC LOG OF DDH. BR-6

488

VERTICAL SCALE 1 : 200

PR- Burnt River 78(3)A.

PROJECT <u>BURNT RIVER</u>	LOCATION <u>SUKUNKA</u>
HOLE NO <u>BR-6</u> CORE SIZE <u>NQ</u>	DATUM <u>GROUND LEVEL</u>
CO-ORDINATES _____ N _____ E	DATE STARTED _____
COLLAR ELEVATION <u>1303.2</u> METRES	DATE FINISHED _____
HOLE ANGLE <u>90°</u> TOTAL DEPTH <u>77.72</u> M.	LOGGED BY <u>B. McCLYMONT</u>

SERIES	FORMATION	MEMBER	DISTANCE FROM DATUM	COLUMNAR SECTION	LITHOLOGIC DESCRIPTION
			0		OVERBURDEN
			2.74		SANDSTONE MEDIUM TO FINE GRAINED CONVOLUTED, THINLY BEDDED WITH SILTY BANDS DIPS AT 60° TO CORE AXIS
			5.88		SANDSTONE S+P WITH COALY WHISPS AND WAVY COAL PARTINGS, CONVOLUTED
			8.84		MUDSTONE SILTY
			10.06		SILTSTONE MUDDY
			12.80		SANDSTONE MEDIUM TO FINE GRAINED CONVOLUTED DIPS AT 70° TO CORE
			14.20		MUDSTONE
			15		MUDSTONE WITH CONVOLUTED SANDSTONE AND SILTSTONE
			17.37		COAL CLEAN, BRIGHT, BLOCKY, TO CRUSHED
			19.12		TRACE PYRITE, MINOR MUDSTONE AT 21.04 TO 21.34
			20		
			21.04		
			21.34		
			23.74		MUDSTONE VERY CARBONACEOUS TO BONEY
			24.88		COAL MUDSTONE SPLIT MUD GOUGE 24.88 TO 25.0 1.26/60
			25		MUDSTONE AND MUD MIXED, BADLY BROKEN AND SHEARED WITH SLICKEN SIDES, CALCITE VIENTETS
			25.57		INTERVAL NOT FULLY RECOVERED FAULT
			26.8		MUDSTONE CARBONACEOUS BROKEN AND MIXED AS ABOVE WITH SLICKEN SIDES PARALLEL TO CORE AXIS BRECCIATED MUDSTONE FRAGMENTS CEMENTED WITH CALCITE
			30		BRECCIA, MUDDY SECTIONS HIGHLY SHEARED 80% RECOVERY FAULT 28.40
					MUDSTONE CARBONACEOUS WITH COALY WHISPS, RARE COAL PARTINGS, CALCITE FRACTURE FILLINGS
					HIGHLY SHEARED, REMINANT COAL PARTINGS, AND WHISPS SHEARING AT 90° TO CORE AXIS
			35		MUDSTONE VERY UNIFORM, SHEARING ALONG CALCITE FRACTURES DIPS AT 45° TO CORE AXIS AT 39.30
					MUDSTONE SILTY PHASES
			40		
			41.76		SILTSTONE TO VERY FINE GRAINED SANDSTONE
			45		SANDSTONE FINE GRAINED BECOMING COARSER COARSER WITH DEPTH (43.60 - 46.50) CONVOLUTED WITH FLAME STRUCTURES, CLAY GAUL BANDS COALY WHISPS CALCITE VIENT PARALLEL TO CORE AXIS DIPS 75° TO CORE
			46.60		
					MUDSTONE HIGHLY SHEARED PYRITE ALONG SHEARS } FAULT ZONE
					MUDSTONE BLACK CARBONACEOUS
			50		
			50.90		MUDSTONE WITH MEDIUM TO FINLY INTERBEDDED SANDSTONE SILTSTONE COAL
			53.65		INTERBEDDED SANDSTONE SILTSTONE 53.65 - 53.95
			54.56		COAL CLEAN BRIGHT BLOCKY AT 54.56 - 54.61, 56.85 - 56.91
			56.91		
			57.23		
			58.53		COAL CLEAN, BRIGHT
			60.51		MUDSTONE
			65		
			65.23		SANDSTONE THICKLY INTERBEDDED, CONVOLUTED WITH SANDY PHASES DIPS AT 75°-80° TO CORE
			70		
			72.59		
			75		MUDSTONE BLACK, CARBONACEOUS WITH MINOR COAL PARTINGS AND SILTY PHASES
			77.62		END OF HOLE

LOWER CRETACEOUS
GETHING

TECK CORPORATION LIMITED

STRATIGRAPHIC LOG OF DDH. BR-7

488

VERTICAL SCALE 1 : 200

RR- Burnt River 78(3)A.

PROJECT BURNT RIVER LOCATION SUKUNKA
 HOLE NO BR-7 CORE SIZE NQ DATUM GROUND LEVEL
 CO-ORDINATES _____ N _____ E DATE STARTED _____
 COLLAR ELEVATION 1194.1 METRES DATE FINISHED _____
 HOLE ANGLE 90° TOTAL DEPTH 75.89 M. LOGGED BY B. McCLYMONT

SERIES	FORMATION	MEMBER	DISTANCE FROM DATUM	COLUMNAR SECTION	LITHOLOGIC DESCRIPTION
			0		OVERBURDEN
			5.49		MUDSTONE, CARBONACEOUS, BADLY BROKEN, RUSTY FRACTURES, SILTY PHASES
			7.31		SANDSTONE, SILTY, THINLY INTERBEDDED, CONVOLUTED, CALCITE FRACTURE FILLINGS AT 45° TO CORE AXIS
			7.77		SILTSTONE MUDDY PHASES IN UPPER SECTION
					SANDY PHASES IN LOWER SECTION ARE THINLY BEDDED CROSS BEDDED AND CARBONACEOUS
			10.52		
			11.59		MUDSTONE, SILTY AND SANDY PHASES, INCREASINGLY CARBONACEOUS WITH DEPTH
			11.94		COAL BADLY SHEARED AND BROKEN WITH MIXED IN BONE COAL
					MUDSTONE WITH SILTY PHASES, CARBONACEOUS
			13.11		SILTSTONE WITH CALCITE FRACTURES AT 45° TO CORE
			14.63		SANDY PHASES MEDIUM GRAINED BEDDING AT 60° TO CORE
			15		SANDSTONE MEDIUM GRAINED THINLY BEDDED AT 60° TO CORE AXIS, CALCITE FRACTURES PERPENDICULAR TO BEDDING
			16.15		CARBONACEOUS PARTINGS
			17.68		CONGLOMERATE - SANDSTONE WITH FREQUENT COAL PARTINGS
					SILTSTONE WITH SANDY AND MUDDY PHASES
			20		MUDDY PHASES VERY CARBONACEOUS WITH VERY THIN COAL WHISPS
			21.03		
					SANDSTONE MEDIUM GRAINED THINLY BEDDED 5° BEDDING AT 30°-35° TO CORE AXIS
					CARBONACEOUS WHISPS TO VERY THIN COAL PARTINGS
			24.23		
			25		MUDSTONE VERY CARBONACEOUS BADLY SHEARED AND BROKEN
			25.60		4.0' OF CORE MISSING (25.60 - 26.82) FAULT
			30		
			30.99		MUDSTONE LESS CARBONACEOUS VERY UNIFORM
			35		BROKEN AND MUDDY FOR 6" FAULT
			38.56		MUDSTONE BLACK, CARBONACEOUS WITH COAL PARTINGS
			39.71		COAL, POWDERY TO BROKEN .15/.06
			40		COAL, CLEAN, BRIGHT, BLOCKY, TO CRUSHED
					MINOR HIGH ASH BANDS 2.74/1.37
			41.45		MUDSTONE WITH COAL AND MUD PARTINGS, BADLY BROKEN AND SHEARED
			42.52		DIPS AT 70° TO CORE
			45		MUDSTONE, BLACK, UNIFORM, CARBONACEOUS
			46.79		
					SANDSTONE MEDIUM GRAINED WITH SILTY SECTIONS, CONVOLUTED, THINLY INTERBEDDED, AT 45° TO CORE
					4" PHASE OF CARBONACEOUS MUDSTONE
			50		
			50.75		MUDSTONE WITH MINOR SILTY PHASES
			55		
			57.76		BONE COAL
			57.85		COAL - MUD, BONE COAL
			58.67		COAL BRIGHT CLEAN CRUSHED
			60		COAL, BONE COAL, MUDSTONE
			61.25		SANDSTONE, SILTY
			61.81		
					SILTSTONE MUDDY
					LESS MUDDY WITH DEPTH
			65		
			66.45		SANDSTONE THICKLY BEDDED WITH MINOR THINLY BEDDED CONVOLUTED SECTIONS
			67.97		SANDSTONE VERY SILTY WITH INTERBEDDED MUDSTONE
			68.28		
			70		THICK TO MEDIUM BEDDED, CARBONACEOUS BEDDING AT 70° TO CORE
			72.09		SANDSTONE, SILTSTONE, MUDSTONE MEDIUM INTERBEDDED
			73.76		
					SANDSTONE
			75		MUDSTONE DARK GREY CARBONACEOUS
			75.29		
			75.89		END OF HOLE

LOWER CRETACEOUS
GETHING

TECK CORPORATION LIMITED

STRATIGRAPHIC LOG OF DDH.BR-8

488

VERTICAL SCALE 1 : 200

RR. BURNT RIVER 78 (31A)

PROJECT <u>BURNT RIVER</u>	LOCATION <u>SUKUNKA RIVER</u>
HOLE NO <u>BR-8</u> CORE SIZE _____	DATUM _____
CO-ORDINATES _____ N _____ E	DATE STARTED _____
COLLAR ELEVATION _____ METRES	DATE FINISHED _____
HOLE ANGLE <u>90°</u> TOTAL DEPTH <u>148.17</u> M.	LOGGED BY <u>B.I. McCLYMONT</u>

SERIES	FORMATION	MEMBER	DISTANCE FROM DATUM	COLUMNAR SECTION	LITHOLOGIC DESCRIPTION
			0	O O O	OVERBURDEN
			1.83	O O O	
			5	O O O	SANDSTONE, MEDIUM TO COARSE GRAINED, CARBONACEOUS. CONVOLUTED AND CROSS-BEDDED SILTS. THINLY INTERBEDDED MUDSTONE (20%) SLUMP STRUCTURES 70°/CORE
			7.32	O O O	MUDSTONE, MINOR SANDSTONE
			9.20	O O O	SANDSTONE, MEDIUM GRAINED, LIGHT GREY, COAL PARTINGS AND WISPS, MIXED COAL AT 9.25
			9.80	O O O	MUDSTONE VERY CARBONACEOUS
			10.20	O O O	COAL, CLEAN, BRIGHT, BLOCKY 1.10/.91
			11.30	O O O	MUDSTONE
			14.0	O O O	COAL, BLOCKY TO CRUSHED, CLEAN? MUDSTONE FLOOR.
			14.32	O O O	
			15	O O O	
			18.74	O O O	
			20	O O O	
			20.42	O O O	
			22.55	O O O	MAINLY SANDSTONE, MEDIUM TO COARSE GRAINED, CARBONACEOUS WISPS FINELY CROSS-BEDDED AND CONVOLUTED SILTS THINLY INTERBEDDED MUDSTONE 10% 70°/CORE
			25	O O O	
			25.30	O O O	
			30	O O O	
			33.22	O O O	
			35	O O O	SANDSTONE, MUDSTONE, MEDIUM INTERBEDDED (SANDSTONE: AS ABOVE)
			35.97	O O O	MUDSTONE, CARBONACEOUS COAL 36.0 - 36.15 38.26 - 38.56 .15/.03 AND .30/.18
			38.56	O O O	
			40	O O O	SANDSTONE, SILTY TO CLEAN, MEDIUM GRAINED. CONVOLUTED TO INDURATED SILT; CALCITE WISPS. 80-20
			42.06	O O O	MUDSTONE, SILTY TO CARBONACEOUS, COAL PARTINGS AND WISPS. COAL 45.26 - 45.41; DULL, HEAVY
			45	O O O	
			46.93	O O O	MUDSTONE/SANDSTONE, THINLY INTERBEDDED
			47.85	O O O	COAL, CLEAN, BRIGHT, BLOCKY
			48.15	O O O	MUDSTONE
			48.45	O O O	
			50	O O O	SANDSTONE, CONVOLUTED SILTSTONE AND MUDSTONE MEDIUM GRAINED, CARBONACEOUS
			52.12	O O O	
			55	O O O	
			60	O O O	MUDSTONE, CARBONACEOUS TO VERY CARBONACEOUS MINOR SANDSTONE, PYRITE COAL WISPS AND PARTINGS COAL 67.66 - 67.96; CLEAN AND BRIGHT, BLOCKY TO CRUSHED
			65	O O O	
			70	O O O	
			72.54	O O O	SILTSTONE, LIGHT GREY
			74.06	O O O	
			75	O O O	SANDSTONE, MUDSTONE, SILTSTONE MEDIUM INTERBEDDED CARBONACEOUS, CONVOLUTED BEDDING. DIPS AT 70°/CORE
			79.25	O O O	
			80	O O O	
			85	O O O	MUDSTONE, CARBONACEOUS TO COALY, BLOCKY, MINOR SANDSTONE, SILTY PHASES COAL PARTINGS AND WISPS. IRON CONCRETIONS, CALCITE WISPS.
			90	O O O	
			91.46	O O O	SILTSTONE CARBONACEOUS WITH MINOR CLEAN COAL PARTINGS
			95	O O O	SANDSTONE, FINE GRAINED, CLEAN, CONVOLUTED SILTS, CARBONACEOUS WISPS DIPS AT 80° TO CORE
			100	O O O	SILTSTONE + CARBONACEOUS CALCITE INFILLING ON CONTACT MUDSTONE, MEDIUM INTERBEDDED.
			105	O O O	SANDSTONE, FINE GRAINED TO VERY FINE GRAINED, CROSS BEDDED AND CONVOLUTED CALCITE AND CARBONACEOUS WISPS DIPS AT 75-80° TO CORE.
			106.70	O O O	
			108.38	O O O	SILTSTONE-SANDSTONE MEDIUM TO THICKLY INTERBEDDED (50-50) SILTSTONE: CARBONACEOUS WITH NUMEROUS MINOR COAL PARTINGS, MUDDY SANDSTONE: FINE GRAINED TO VERY FINE GRAINED, CROSS-BEDDED, CONVOLUTED. DIPS AT 65° TO CORE AXIS
			110	O O O	
			111.28	O O O	
			115	O O O	MUDSTONE, CARBONACEOUS TO VERY CARBONACEOUS IRON CONCRETIONS, COAL PARTINGS
			118.03	O O O	
			120	O O O	SANDSTONE, FINE GRAINED, DIPS AT 65°/CORE
			121.34	O O O	
			121.95	O O O	MUDSTONE, SILTY
			124.24	O O O	MUDSTONE BONE COAL AND CLEAN CRUSHED COAL
			124.54	O O O	
			125	O O O	
			130	O O O	SILTSTONE-MUDSTONE-SANDSTONE 75-15-10
			132.3	O O O	
			134.05	O O O	SANDSTONE, FINE GRAINED TO VERY FINE GRAINED, CONVOLUTED BEDDING, MUD GAULS DIPS AT 70° TO CORE AXIS BONE COAL (134.05-134.11)
			134.11	O O O	
			135.97	O O O	SILTSTONE, WITH INTERBEDDED FINE GRAINED SANDSTONE AND CARBONACEOUS MUDSTONE CLEAN COAL (138.80-138.93)
			140	O O O	MUDSTONE ROOF
			140.70	O O O	
			142.59	O O O	COAL, MOSTLY CLEAN, SEMI-BRIGHT (1.92/1.03)
			142.71	O O O	MUDSTONE, VERY CARBONACEOUS TO COALY
			145	O O O	SILTSTONE
			148.17	O O O	SANDSTONE, FINE GRAINED TO VERY FINE GRAINED, CLEAN, WITH MINOR MUDSTONE INTERBEDS. SANDSTONE INCREASING TO MEDIUM AND COARSE GRAINED IN LOWER SECTION WITH MINOR PYRITE. DIPS AT 75° TO CORE AXIS.
			150	O O O	END OF HOLE

LOWER CRETACEOUS
GETHING

TECK CORPORATION LIMITED

STRATIGRAPHIC LOG

OF

DDH. BR-9

488

VERTICAL SCALE 1 : 200

RR BURNT RIVER 78(3)A

PROJECT BURNT RIVER

LOCATION SURUNKA RIVER

HOLE NO BR-9 CORE SIZE _____

DATUM _____

CO-ORDINATES _____ N _____ E

DATE STARTED _____

COLLAR ELEVATION _____ METRES

DATE FINISHED _____

HOLE ANGLE -90° TOTAL DEPTH 107.29 M.

LOGGED BY B.I. McCLYMONT

SERIES	FORMATION	MEMBER	DISTANCE FROM DATUM	COLUMNAR SECTION	LITHOLOGIC DESCRIPTION
			0		SANDSTONE, MEDIUM GRAINED, S + P, CLEAR WITH MINOR CONVOLUTED SILTS 70° TO CORE
			5		
			6.0		
			8.0		SANDSTONE, MEDIUM TO COARSE GRAINED, CARBONACEOUS WISPS, THINLY INTERBEDDED SILTSTONE, INTERBEDDED MUDSTONE 10% 60° TO CORE AT 4.5 M. 70° TO CORE AT 10.6 M.
			10		COARSE GRAINED TO GRITTY SANDSTONE WITH COAL WISPS (YUGGY) 6.0-8.9, 12.20-12.50 MUDSTONE 12.95-13.10
			15		COAL 13.41-13.53; BRIGHT, CLEAN, CRUSHED MUDSTONE, CARBONACEOUS 13.53-13.88
			20		SANDSTONE, MUDSTONE, SILTSTONE MEDIUM INTERBEDDED. 40-40-20 CARBONACEOUS CONVOLUTED BEDDING, IRON CONCRETIONS, CALCITE INFILLING MUDSTONE, CARBONACEOUS, SILTY; 17.37-19.96 SANDSTONE: VERY SILTY, FINE GRAINED TO GRITTY. COAL, BONEY TO DIRTY, DULL WITH BRIGHT BANDS. 22.85-23.15 30/30
			25		MUDSTONE, CARBONACEOUS, SILTY PHASES, COAL PARTINGS.
			30		SILTSTONE WITH CONVOLUTED SANDS, DIP AT 70° TO CORE MUDSTONE COAL, .86/0
			30.78		
			31.10		
			31.96		MUDSTONE, COARSE GRAINED SANDSTONE 33.0-33.48 COAL, CLEAN, BRIGHT, BLOCKY 40/37 MUDSTONE, HIGH IRON
			33.48		
			33.88		
			35		
			40		SILTSTONE, MUDSTONE, SANDSTONE MEDIUM INTERBEDDED, CONVOLUTED BEDDING. 68° TO CORE 40-40-20 SANDSTONE: MEDIUM GRAINED, SILTY 70° TO CORE
			43.90		
			45		
			50		SANDSTONE, MUDSTONE, SILTSTONE MEDIUM TO THICKLY INTERBEDDED 45-45-10 SANDSTONE: MEDIUM GRAINED, THINLY INTERBEDDED SILTS - CONVOLUTED. 70° TO CORE MUDSTONE: CARBONACEOUS TO COALY.
			54.86		DIPS AT 65° TO CORE
			55		
			60		
			65		BASICALLY SANDSTONE (70%), MEDIUM GRAINED, CARBONACEOUS CONVOLUTED SILTS, MINOR MUDSTONE CROSS-BEDDED, CARBONACEOUS WISPS, NUMEROUS CLUMP STRUCTURES - FRATHERLING PYRITE AT 60.50 70° TO CORE
			70		
			75		(MUDSTONE, CARBONACEOUS, BLOCKY, VERY SILTY COAL, GENERALLY BRIGHT, MINOR BONE, HARD, BLOCKY, CLEAN 52/37 SILTSTONE, GRADING TO VERY CARBONACEOUS MUDSTONE
			78.20		
			78.75		
			80		COAL, BRIGHT, CLEAN, BLOCKY TO CRUSHED, PARTLY SHEARED. HIGH ASH 77.80-78.30 4.58/3.20
			81.10		
			83.20		MUDSTONE, MUD BEAMS, MUD GAUGE.
			84.48		MUDSTONE, BONE COAL
			85		
			90		SILTSTONE, SANDSTONE THIN TO MEDIUM INTERBEDDED; MINOR MUDSTONE CONVOLUTED BEDDING 70° TO CORE
			90.80		
			92.70		MUDSTONE, CARBONACEOUS, MINOR GAUGE.
			93.0		
			94.04		COAL, DIRTY MUDSTONE, MUD GAUGE BONE
			94.26		
			95		COAL, CLEAN, BRIGHT, BLOCKY 1.34/.24 MUDSTONE, BONE COAL, DIRTY COAL (MUD GAUGE WITH MUDSTONE) 1.60/.60 30-30-30
			100		SILTSTONE, LIGHT GRAY, WEATHERED, IRON CONCRETIONS 99.82-100.19
			101.50		
			105		SANDSTONE, FINE GRAINED, CLEAN, HARD, CALCITE VEINLETS, MASSIVE. DIPS AT 36° TO CORE.
			105.20		
			105.60		COAL, POOR RECOVERY MUDSTONE, CARBONACEOUS TO COALY
			107.29		END OF HOLE
			110		

LOWER CRETACEOUS
GETHING

TECK CORPORATION LIMITED

STRATIGRAPHIC LOG

OF
DDH. BR-10

488

VERTICAL SCALE 1 : 200

PR. BURNT RIVER 78 (3)A

PROJECT <u>BURNT RIVER</u>	LOCATION <u>SUKLINKA</u>
HOLE NO <u>BR-10</u> CORE SIZE <u>NQ</u>	DATUM <u>GROUND LEVEL</u>
CO-ORDINATES <u> </u> N <u> </u> E	DATE STARTED <u> </u>
COLLAR ELEVATION <u>1193.3</u> METRES	DATE FINISHED <u> </u>
HOLE ANGLE <u>90°</u> TOTAL DEPTH <u>93.90</u> M.	LOGGED BY <u>B. McCLYMONT</u>

SERIES	FORMATION	MEMBER	DISTANCE FROM DATUM	COLUMNAR SECTION	LITHOLOGIC DESCRIPTION
			0		SANDSTONE MEDIUM TO COARSE GRAINED, MASSIVE MINOR SILTSTONE, BASICALLY CLEAN COAL WHISPS 75° TO CORE
			5 5.06		MUDSTONE, VERY CARBONACEOUS, BADLY CRUSHED 1.49/.50
			6.55		SANDSTONE MEDIUM GRAINED TO COARSE GRAINED SILTY CARBONACEOUS
			7.92		SILTSTONE MUD GOUGE 8.07-8.53
			8.53		
			10		MUDSTONE, CRUSHED WITH MUD GOUGE BONE COAL 10.82-11.12
			13.40		
			15		SANDSTONE, MEDIUM TO COARSE GRAINED, SILTY TO CLEAN 20% - 80% 70° - 75° TO CORE PHASES OF COARSE GRAINED SANDSTONE WITH MUD GALLS 70° TO CORE COAL WHISPS, S+P 16.46-18.0 20.48-30.78
			20		CONGLOMERATIC SANDSTONE AT 20.12 TO 22.25 COAL WHISPS MUD GALLS 70° TO CORE
			25		FINE CONGLOMERATE WITH COAL WHISPS AND PARTINGS 23.77-25.30
			30		
			30.78		SANDSTONE, SILTSTONE, MUDSTONE THINLY INTERBEDDED 65° TO CORE 60% 26% 20%
			34.47		
			35		MUDSTONE, CARBONACEOUS, COAL CLEAN BRIGHT BLOCKY .38/30
			36.54		
			36.72		
			37.72		COAL CLEAN BRIGHT BLOCKY MEDIUM HARD TO SOFT 5.04/310 (62%)
			40		
			42.76		MUDSTONE, CARBONACEOUS, BROKEN, MINOR SLICKEN SIDES
			45		
			46.0		COAL CLEAN BRIGHT BLOCKY .70/30
			46.70		
			50		SANDSTONE MEDIUM GRAINED, COALY WHISPS, CLEAN S+P, CALCITE PARTINGS SILTY 46.70-48.20 MUD GALLS AT 47.0 INTERBEDDED MUDSTONE 51.63-52.58
			55		DIPS AT 70° TO CORE
			56.08		SILTSTONE, SANDY, CONVOLUTED BEDDING
			58.23		MUDSTONE CARBONACEOUS SOFT BONEY
			58.71		MUDSTONE COAL INTERBEDDED (70-30) .63/.60 COAL BRIGHT TO DULL CLEAN
			59.60		MUDSTONE BONE COAL
			60.60		COAL CLEAN CRUSHED, MINOR BONE 1.40/.30
			62.0		MUDSTONE INTERBEDDED COAL 50% 10-15CM BANDS
			62.30		COAL GENERALLY BRIGHT BLOCKY AND CLEAN
			63.10		MUDSTONE BONEY IN PARTS, COAL PARTINGS
			63.72		
			65		SILTSTONE LIGHT GREY TO WHITE, WEATHERED HIGH Fe CONTENT AT 64.15
			66.45		
			70		SANDSTONE, MEDIUM TO COARSE GRAINED, WELL SORTED, CLEAN, S+P LIGHT GREY MASSIVE MINOR INTERBEDDED SILTSTONE 66.45-68.10 DIPS AT 70° TO CORE
			73.15		VERY COARSE GRAINED SANDSTONE MASSIVE
			75		
			75.90		SANDSTONE WITH THINLY INTERBEDDED SILTSTONE MUDSTONE DIPS AT 65° TO CORE MEDIUM GRAINED, CARBONACEOUS CROSS BEDDED FINE LAMINATIONS OF SILT IN SANDSTONE
			80		
			80.62		MUDSTONE CARBONACEOUS
			82.43		
			85		SANDSTONE CONVOLUTED SILTSTONE FINE TO MEDIUM GRAINED CARBONACEOUS DIPS AT 60°-65° TO CORE INTERBEDDED MUDSTONE 84.28
			85.65		
			90		MUDSTONE CARBONACEOUS MINOR SANDSTONE
			90.07		
			93.90		SANDSTONE MEDIUM TO COARSE GRAINED, CARBONACEOUS WHISPS, CROSS BEDDED PHASES OF CONVOLUTED SILTSTONE DIPS 65° TO CORE
			95		END OF HOLE

LOWER CRETACEOUS
GETHING

TECK CORPORATION LIMITED

STRATIGRAPHIC LOG

OF

DDH. BR-11

488

VERTICAL SCALE 1 : 200

Pr-Burnt River 78 (3)A.

PROJECT BURNT RIVER LOCATION SUKUNKA
 HOLE NO BR-11 CORE SIZE _____ DATUM GROUND LEVEL
 CO-ORDINATES _____ N _____ E DATE STARTED _____
 COLLAR ELEVATION 1222 METRES DATE FINISHED _____
 HOLE ANGLE 90° TOTAL DEPTH 62.79 M. LOGGED BY B. McCLYMONT

SERIES	FORMATION	MEMBER	DISTANCE FROM DATUM	COLUMNAR SECTION	LITHOLOGIC DESCRIPTION
LOWER CRETACEOUS	GETHING		0		SANDSTONE, MEDIUM TO COARSE GRAINED, CARBONACEOUS SILTSTONE AND CARBONACEOUS WHISPS, 70° TO CORE. SILTSTONE 1.80-2.40
			3.96		SILTSTONE, INTERBEDDED MUDSTONE, CARBONACEOUS 60% 40%
			5		
			7.62		SANDSTONE, GRADING FINE TO COARSE GRAINED, CARBONACEOUS CLEAN TO SILTY, CALCITE PARTINGS, COAL WHISPS
			9.45		MUDSTONE, CARBONACEOUS TO SILTY, BLOCKY TO CRUSHED
			10		
			10.50		SILTSTONE WITH SANDSTONE PHASES DIPS 65°-70° TO CORE
			13.28		COAL CLEAN BRIGHT AND BLOCKY
			13.58		COAL CLEAN AND BRIGHT, HARD BLOCKY TO CRUSHED, POWDERY 80/55
			14.00		BONE COAL MUDSTONE 50% 50%
			14.28		
			15.30		MUDSTONE, SILTY, CARBONACEOUS
			18.29		
			20		SANDSTONE FINE GRAINED, CONVOLUTED SILTSTONE, CARBONACEOUS WHISPS DIPS 65° TO CORE
			20.57		
					MUDSTONE, SILTY PHASES, INTERBEDDED SANDSTONE 10% 24.38-26.82 LOST CORE 25.30-26.20
			25		
			26.82		
					SILTSTONE MINOR SANDSTONE, INTERBEDDED MUDSTONE 10% DIPS AT 60° TO CORE
			30		
			35		
			36.58		SANDSTONE CONVOLUTED SILTSTONE, FINE-MEDIUM GRAINED, CARBONACEOUS, SLUMP STRUCTURES DIPS AT 70° TO CORE
					MUDSTONE, BLACK, CARBONACEOUS TO COALY, MINOR BONE COAL WHISPS Fe CONCENTRATE SANDSTONE 40.80-41.20
	40				
	42.06		SILTSTONE, CALCIFIED, WEATHERED LIGHT GREY, FRACTURED FAULTED		
	42.82				
	45		MUDSTONE, SILTSTONE PHASES CARBONACEOUS IN PART DIPS AT 70° TO CORE		
	50				
	52.44		COAL CLEAN BRIGHT BLOCKY FRIABLE 3.14/1.0 DULL AT 53.06-53.66		
	55				
	55.58		MUDSTONE CARBONACEOUS TO COALY BROKEN SHEARED BONE COAL GOUGE AT 55.60		
	56.62				
	56.94		MUDSTONE, CARBONACEOUS, SILTY IN PART		
	59.44				
	60		SILTSTONE WITH THINLY INTERBEDDED SANDSTONE 70%-30% CONVOLUTED WITH DIPS AT 70° TO CORE		
	62.79		END OF HOLE		

TECK CORPORATION LIMITED

STRATIGRAPHIC LOG

OF

DDH. BR.-12

488

VERTICAL SCALE 1 : 200

PR. BURNT RIVER 74(3)A

PROJECT BURNT RIVER LOCATION SUKUNKA
 HOLE NO BR-12 CORE SIZE NQ DATUM GROUND LEVEL
 CO-ORDINATES _____ N _____ E DATE STARTED _____
 COLLAR ELEVATION 1258.66 METRES DATE FINISHED _____
 HOLE ANGLE 90° TOTAL DEPTH 54.57 M LOGGED BY B. McCLYMONT

SERIES	FORMATION	MEMBER	DISTANCE FROM DATUM	COLUMNAR SECTION	LITHOLOGIC DESCRIPTION
LOWER CRETACEOUS	GETHING		0		OVERBURDEN
			3.65		SANDSTONE FINE TO MEDIUM GRAINED, IN OVERBURDEN DIPS 70° TO CORE
			5		MUDSTONE WITH SILTY PHASES DIPS 80° TO CORE AXIS
			6.09		SANDSTONE FINE TO MEDIUM GRAINED, ABUNDANT CALCITE FRACTURE FILLINGS MINOR CRUSHED COAL AT 9.45 DIPS 65° TO CORE AXIS
			9.45		COAL AND MUDSTONE BADLY BROKEN AND CRUSHED
			12.13		MUDSTONE CARBONACEOUS WITH SILTY AND SANDY PHASES COAL PARTINGS AT 15.21
			15		MUDSTONE CARBONACEOUS WITH SILTY AND SANDY PHASES COAL PARTINGS AT 15.21
			18.30		COAL CLEAN AND BLOCKY WITH BONE COAL 1.21/.100
			19.51		MUDSTONE CARBONACEOUS
			20		SILTSTONE CARBONACEOUS WITH INTERBEDDED SANDSTONE SANDSTONE VERY FINE GRAINED DIPS AT 20° TO 25° TO CORE
			20.57		SILTSTONE CARBONACEOUS WITH INTERBEDDED SANDSTONE SANDSTONE VERY FINE GRAINED DIPS AT 20° TO 25° TO CORE
			23.78		MUDSTONE CARBONACEOUS WITH MINOR COAL PARTINGS BADLY BROKEN
			25		SANDSTONE FINE GRAINED MINOR CALCITE
			25.60		MUDSTONE CARBONACEOUS BADLY BROKEN COALY PHASES COAL PARTING AT 27.59
			26.52		SANDSTONE FINE GRAINED MINOR CALCITE
			30		SANDSTONE VERY FINE GRAINED TO SILTY WITH CALCITE VEINS AND SHEARING
	30.18		SANDSTONE VERY FINE GRAINED TO SILTY WITH CALCITE VEINS AND SHEARING		
	32.53		MUDSTONE SILTSTONE MEDIUM INTERBEDDED		
	35		SANDSTONE FINE TO MEDIUM GRAINED CONVOLUTED VERY CARBONACEOUS TO COALY PARTINGS DIPS AT 70° TO CORE		
	35.30		SANDSTONE FINE TO MEDIUM GRAINED CONVOLUTED VERY CARBONACEOUS TO COALY PARTINGS DIPS AT 70° TO CORE		
	37.50		SILTSTONE, MUDSTONE MEDIUM INTERBEDDED, CARBONACEOUS CLEAN COAL PARTING AT 39.63 5CM		
	40		SILTSTONE, MUDSTONE MEDIUM INTERBEDDED, CARBONACEOUS CLEAN COAL PARTING AT 39.63 5CM		
	43.30		SANDSTONE FINE GRAINED TO SILTY, INCREASING TO GRAIN SIZE TO COARSE GRAINED IN LOWER SECTION, SOME INTERBEDDED CARBONACEOUS MUDSTONE AND SOME SECTIONS BADLY BROKEN BECOMING CARBONACEOUS IN LOWER SECTIONS DIPS AT 80° TO CORE		
	45		SANDSTONE FINE GRAINED TO SILTY, INCREASING TO GRAIN SIZE TO COARSE GRAINED IN LOWER SECTION, SOME INTERBEDDED CARBONACEOUS MUDSTONE AND SOME SECTIONS BADLY BROKEN BECOMING CARBONACEOUS IN LOWER SECTIONS DIPS AT 80° TO CORE		
	47.86		SILTSTONE WITH SANDY PHASES		
	49.39		SANDSTONE VERY FINE GRAINED TO SILTY LIGHT GREY DIPS AT 75° TO CORE		
	50		SANDSTONE VERY FINE GRAINED TO SILTY LIGHT GREY DIPS AT 75° TO CORE		
	54.57		END OF HOLE		
	55		END OF HOLE		

TECK CORPORATION LIMITED

STRATIGRAPHIC LOG OF DDH. BR-13

488

VERTICAL SCALE 1 : 200

RR. BURNT RIVER 2 (3) A.

PROJECT <u>BURNT RIVER</u>	LOCATION <u>SUKUNKA</u>
HOLE NO <u>BR-13</u> CORE SIZE <u>NQ</u>	DATUM <u>GROUND LEVEL</u>
CO-ORDINATES N <u> </u> E <u> </u>	DATE STARTED <u> </u>
COLLAR ELEVATION <u>1278.6</u> METRES	DATE FINISHED <u> </u>
HOLE ANGLE <u>90°</u> TOTAL DEPTH <u>76.21</u> M.	LOGGED BY <u>B. McClymont</u>

SERIES	FORMATION	MEMBER	DISTANCE FROM DATUM	COLUMNAR SECTION	LITHOLOGIC DESCRIPTION
			0	○ ○ ○ ○	OVERBURDEN
			4.87	● ● ● ●	SANDSTONE FINE GRAINED IN UPPER SECTIONS, GRADING TO MEDIUM AND COURSE GRAINED AT 10.36-11.28 BADLY BROKEN IN PLACES DIPS 45° TO CORE AXIS
			10.28	● ● ● ●	SANDSTONE FINE GRAINED WITH THINLY INTERBEDDED MUDSTONE CONVOLUTED DIPS AT 65°-70° TO CORE
			14.32	■	COAL CLEAN, BRIGHT, BLOCKY WITH MUDSTONE FLOOR (0.76/0.06)
			15.09	— — — —	MUDSTONE SILTSTONE MEDIUM AND THINLY INTERBEDDED MUDSTONE HAS NUMEROUS MINOR CLEAN COAL PARTINGS
			20	— — — —	
			25	— — — —	
			30	— — — —	
			31.62	— — — —	SILTSTONE WITH SANDY AND MUDDY PHASES SANDY PHASES ARE VERY FINE GRAINED CONVOLUTED BEDDING WITH MINOR CALCITE AND SOME SHEARED SURFACES DIPS AT 20° TO CORE AXIS
			35	— — — —	
			38.71	— — — —	MUDSTONE CARBONACEOUS
			40.64	● ● ● ●	SILTSTONE, SANDSTONE MEDIUM INTERBEDDED SILTSTONE CARBONACEOUS TO VERY CARBONACEOUS IN PLACES, OCCASIONAL COALY PARTINGS SANDSTONE FINE GRAINED WITH CARBONACEOUS LAMINATIONS, MINOR CALCITE. DIPS AT 25° TO CORE AXIS
			45	● ● ● ●	
			50	● ● ● ●	SILTSTONE SANDSTONE DIPS AT 70°-75° TO CORE
			55	● ● ● ●	
			57.31	— — — —	MUDSTONE CARBONACEOUS
			60	— — — —	
			60.57	■	COAL CLEAN, BRIGHT, BLOCKY, MUDSTONE FLOOR
			62.82	— — — —	SILTSTONE, SANDSTONE DIPS AT 70° TO CORE AXIS AT 67.3 DIPS AT 50° TO CORE AXIS AT 67.6
			65	— — — —	
			70	— — — —	
			73.47	— — — —	MUDSTONE CARBONACEOUS TO VERY CARBONACEOUS WITH MINOR COAL PARTING AT 73.93-74.05
			75	— — — —	
			76.21	— — — —	END OF HOLE

LOWER CRETACEOUS
GETHING

TECK CORPORATION LIMITED

STRATIGRAPHIC LOG

OF

DDH. BR-14

488

VERTICAL SCALE 1 : 200

RR. BURNT RIVER 71 (31A)

PROJECT BURNT RIVER

LOCATION SUKUNKA

HOLE NO BR-14 CORE SIZE NQ

DATUM GROUND LEVEL

CO-ORDINATES N E

DATE STARTED

COLLAR ELEVATION 1271 METRES

DATE FINISHED

HOLE ANGLE 90° TOTAL DEPTH 67.16 M

LOGGED BY B. McCLYMONT

SERIES	FORMATION	MEMBER	DISTANCE FROM DATUM	COLUMNAR SECTION	LITHOLOGIC DESCRIPTION
			0	a	OVERBURDEN
			243	a	SANDSTONE VERY FINE GRAINED WITH SILTY PHASES BECOMING COARSER WITH DEPTH DIPS AT 60° TO 65° TO CORE AXIS
			5		
			8.75		MUDSTONE CARBONACEOUS
			10		
			10.62	b	COAL CLEAN BRIGHT BLOCKY .578/49
			11.40		MUDSTONE GRADING TO SILTSTONE WITH SANDY PHASES
			13.61	c	COAL CLEAN, BRIGHT BLOCKY WITH BONE COAL AND CLEAN COAL PARTINGS 14.48-14.93
			14.48	d	MUDSTONE VERY CARBONACEOUS
			14.93		
			15.54		
			20		SILTSTONE WITH MEDIUM INTERBEDDED FINE GRAINED TO VERY FINE GRAINED SANDSTONE WITH THINLY INTERBEDDED MUDSTONE SANDSTONE HAS CARBONACEOUS LAMINATIONS DIPS AT 60° TO CORE AXIS AT 16.1
			25		DIPS AT 70° TO CORE AXIS AT 23.4
			27.74		MUDSTONE CARBONACEOUS
			30	e	COAL CLEAN BRIGHT BLOCKY (1.06/54)
			31.09		MUDSTONE CARBONACEOUS
			32.92		
			35		MAINLY SILTSTONE GRADING TO VERY FINE GRAINED SANDSTONE SANDSTONE WITH CARBONACEOUS LAMINATIONS, CROSS BEDDED SANDSTONE BADLY BROKEN, AND FRACTURED, ABUNDANT CALCITE AT 35.0 DIPS AT 10° TO CORE AXIS AT 37.95 DIPS AT 80° TO CORE AXIS AT 39.93
			40		DIPS AT 70° TO CORE AXIS AT 45.42
			45		MUDSTONE CARBONACEOUS WITH MINOR CLEAN COAL PARTINGS AT 49.30 AND 50.0
			46.31		
			50		
			52.98	f	SANDSTONE FINE GRAINED CONVOLUTED DIPS AT 55° TO CORE AXIS
			56.87	g	BASICALLY MUDSTONE WITH THICKLY INTERBEDDED SILTY SECTIONS AND SOME MINOR CLEAN COAL PARTINGS AT 56.7
			60		DIPS AT 70° TO CORE
			65		
			67.16		END OF HOLE

LOWER CRETACEOUS
GETHING

TECK CORPORATION LIMITED

STRATIGRAPHIC LOG

OF

DDH. BR-15

488

VERTICAL SCALE 1 : 200

Pr- Burnt River 28 (3)A.

PROJECT BURNT RIVER LOCATION SUKUNKA
 HOLE NO BR-15 CORE SIZE NQ DATUM GROUND LEVEL
 CO-ORDINATES _____ N _____ E DATE STARTED _____
 COLLAR ELEVATION 1187.25 METRES DATE FINISHED _____
 HOLE ANGLE 50° TOTAL DEPTH 496.9 M. LOGGED BY B. MCCLYMONT

SERIES	FORMATION	MEMBER	DISTANCE FROM DATUM	COLUMNAR SECTION	LITHOLOGIC DESCRIPTION
LOWER CRETACEOUS	GETHING		0		SANDSTONE MED GRAINED WITH INTERBEDDED SILTSTONE IN OVER BURDEN DIPS AT 45° TO CORE
			3.96		
			5		SILTSTONE LIGHT GREY DIPS AT 45° TO CORE AXIS
			8.53		
			9.45		MUDSTONE CARBONACEOUS WITH COAL PARTINGS AT 9.45-9.78 9.82-10.36
			10		MUDSTONE AND BONE COAL 11.12 TO 11.58
			10.36		
			11.81		SILTSTONE CARBONACEOUS
			15		
			18.59		MUDSTONE CARBONACEOUS
			20.81		SILTSTONE WITH SANDY AND MUDDY PHASES
			25		
			26.52		COAL WITH BONE COAL AND MUDSTONE
			27.14		SILTSTONE WITH SANDY PHASES DIPS AT 65°-70° TO CORE AXIS
			28.50		SANDSTONE FINE TO MEDIUM GRAINED, CARBONACEOUS WITH MINOR INTERBEDDED MUDSTONE, COALY WHISPS
	30				
	30.79		SANDSTONE MEDIUM TO COARSE GRAINED, MUD BLEBS CALCITE INFILLING ALONG FRACTURES SANDSTONE, SILTSTONE MUDSTONE MEDIUM INTERBEDDED 60% 35% 5%		
	35		CONVOLUTED SANDSTONE IN UPPER SECTION DIPS 65° TO CORE AXIS		
	37.19				
	38.10		SILTSTONE MUDSTONE 50%-50%		
	40		MUDSTONE CARBONACEOUS TO VERY CARBONACEOUS WITH BONE COAL AND MINOR CLEAN COAL PARTINGS		
	42.37		SILTSTONE CARBONACEOUS		
	44.51				
	45		MUDSTONE CARBONACEOUS WITH MINOR INTERBEDDED SILTSTONE COAL PARTING AT 48.78		
	48.78				
	49.69		END OF HOLE		
	50				

TECK CORPORATION LIMITED

STRATIGRAPHIC LOG

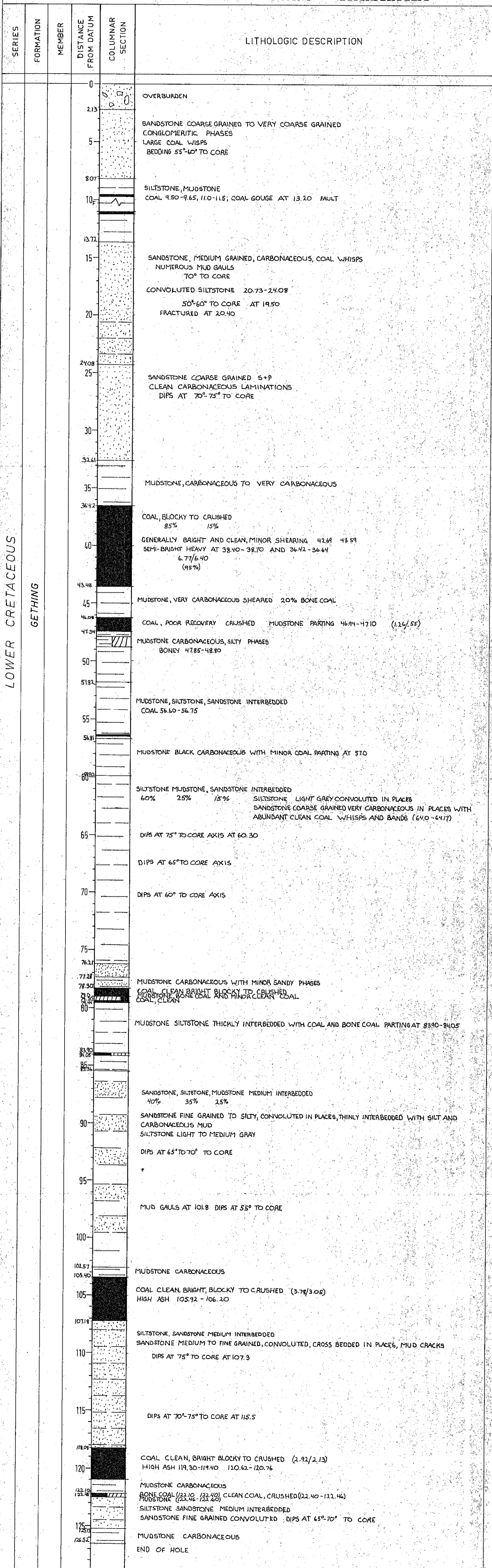
OF
DDH. BR-16

488

VERTICAL SCALE 1 : 200

At Burnt River 78(3)A.

PROJECT <u>BURNT RIVER</u>	LOCATION <u>SUKUNKA</u>
HOLE NO <u>BR-16</u> CORE SIZE <u>NQ</u>	DATUM <u>GROUND LEVEL</u>
CO-ORDINATES <u>N</u> <u>E</u>	DATE STARTED _____
COLLAR ELEVATION <u>1214 M</u> METRES	DATE FINISHED _____
HOLE ANGLE <u>90°</u> TOTAL DEPTH <u>126.52</u> M.	LOGGED BY <u>B. McCLYMONT</u>



LOWER CRETACEOUS
GETHING

TECK CORPORATION LIMITED

STRATIGRAPHIC LOG

OF

DDH. BR-17

488

VERTICAL SCALE 1 : 200

PR. BURNT RIVER 78(3)A

PROJECT <u>BURNT RIVER</u>	LOCATION <u>SUKUNKA</u>
HOLE NO <u>BR-17</u> CORE SIZE <u>NQ</u>	DATUM <u>GROUND LEVEL</u>
CO-ORDINATES <u>N</u> <u>E</u>	DATE STARTED _____
COLLAR ELEVATION <u>1225</u> METRES	DATE FINISHED _____
HOLE ANGLE <u>90°</u> TOTAL DEPTH <u>128.04</u> M.	LOGGED BY <u>B. McClymont</u>

SERIES	FORMATION	MEMBER	DISTANCE FROM DATUM	COLUMNAR SECTION	LITHOLOGIC DESCRIPTION
			0		OVERBURDEN
			3.96		
			5		SILTSTONE WITH SANDY AND MUDDY PHASES, BADLY BROKEN IN PLACES (9.75 - 11.28) COALY PARTING AT 6.95
			6.95		
			10		
			10.40		
			11.91		MUDSTONE VERY CARBONACEOUS WITH MINOR COAL WHISPS AND BANDS
			15		
			20		SANDSTONE MEDIUM TO COARSE GRAINED, CARBONACEOUS LAMINATIONS, MUD GAULS DIPS AT 80° TO CORE AT 13.71
			23.78		DIPS AT 80° TO CORE AT 22.86
			25		SILTSTONE LIGHT GREY
			26.53		MUDSTONE CARBONACEOUS TO VERY CARBONACEOUS WITH COALY PARTINGS AT 26.53 AND 28.65
			29.90		
			30		COAL CLEAN BRIGHT BLOCKY 7.66/6.70 (88%) HIGH ASH 35.0 - 35.20
			35		
			37.56		
			40		MUDSTONE CARBONACEOUS TO VERY CARBONACEOUS WITH ABUNDANT CLEAN AND BONEY COAL PARTINGS
			42.13		
			42.37		BONE COAL (10CM) FOLLOWED BY 14CM CLEAN COAL, CRUSHED
			45		SILTSTONE SANDSTONE MUDSTONE MEDIUM INTERBEDDED 40% 20% 40%
			50		SANDSTONE FINE GRAINED TO VERY FINE GRAINED CONVOLUTED IN PLACES WITH CARBONACEOUS LAMINATIONS AND SOME MUD CRACKS AND MUD GAULS COAL PARTING AT 44.20 DIPS AT 70° TO CORE
			55		
			57.31		SILTSTONE SANDSTONE MUDSTONE MEDIUM INTERBEDDED COAL PARTINGS AT 57.31 60.67 61.28
			60		
			61.28		
			65		DIPS AT 80° TO CORE AT 68.0
			70		
			71.69		
			75		SANDSTONE FINE TO MEDIUM GRAINED BECOMING COARSER IN LOWER SECTION WITH SOME CARBONACEOUS LAMINATIONS AND COAL WHISPS DIPS 80° TO CORE
			76.41		
			76.41		COAL CLEAN BRIGHT AND BLOCKY
			77.28		SANDSTONE CARBONACEOUS TO VERY CARBONACEOUS MUDSTONE, BONE COAL AND MINOR CLEAN COAL
			80		
			85		BASICALLY SANDSTONE WITH SOME INTERBEDDED SILTSTONE (20%) SANDSTONE FINE GRAINED TO MEDIUM GRAINED IN LOWER SECTION WITH SOME MUD GAULS AND MINOR CROSS BEDDING DIPS 85°-90° TO CORE 70° TO CORE AT 90.0
			90		
			92.98		
			95		SILTSTONE WITH INTERBEDDED MEDIUM GRAINED SANDSTONE MINOR COAL PARTINGS AT 96.95 AND 99.23 104.57 AND 107.12
			96.95		DIPS AT 75° TO CORE
			100		
			104.57		
			105		
			107.12		
			109.23		
			110		COAL CLEAN BRIGHT BLOCKY TO CRUSHED
			112.04		
			115		SILTSTONE WITH FINE CARBONACEOUS LAMINATIONS DIP AT 70° TO CORE
			117.35		
			117.35		SANDSTONE CONVOLUTED SILTSTONE AND MUDSTONE, CARBONACEOUS WHISPS MUDSTONE CARBONACEOUS 117.35 - 117.45
			120		
			120		COAL CLEAN BRIGHT BLOCKY (4.05/3.62)
			121.44		
			123.47		MUDSTONE CARBONACEOUS
			124.09		BONE COAL CLEAN COAL
			125		MUDSTONE CARBONACEOUS
			127.04		END OF HOLE

LOWER CRETACEOUS
GETHING

TECK CORPORATION LIMITED

STRATIGRAPHIC LOG

OF
DDH. BR-18

488

VERTICAL SCALE 1 : 200

PR BURNT RIVER 78(3)A

PROJECT BURNT RIVER LOCATION SUKUNKA
 HOLE NO BR-18 CORE SIZE NQ DATUM GROUND LEVEL
 CO-ORDINATES _____ N _____ E DATE STARTED _____
 COLLAR ELEVATION 176.38 METRES DATE FINISHED _____
 HOLE ANGLE 90° TOTAL DEPTH 54.87 M. LOGGED BY B. McClymont

SERIES	FORMATION	MEMBER	DISTANCE FROM DATUM	COLUMNAR SECTION	LITHOLOGIC DESCRIPTION
LOWER CRETACEOUS	GETHING		0		OVERBURDEN
			3.21		SILTSTONE WITH MINOR SANDY PHASES
			5		SILTSTONE WITH MINOR SANDY PHASES
			4.37 4.40		COAL CLEAN AND CRUSHED
			7.71		COAL CLEAN AND CRUSHED 7.71 - 7.93, CLEAN COAL, BONY COAL AND MUDSTONE INTERBEDDED 7.93 - 8.68
			8.68		SILTSTONE MUDSTONE VERY CARBONACEOUS
			9.30		SILTSTONE WITH MEDIUM INTERBEDDED SANDY PHASES DIP AT 80° TO CORE
			10		MUDSTONE GOUGE
			15		SANDSTONE, SILTSTONE MEDIUM AND THICKLY INTERBEDDED SANDSTONE GENERALLY FINE GRAINED GRADING TO MEDIUM COARSE AT 11.5 CONVOLUTED SILTSTONE LIGHT GREY WITH FINE CARBONACEOUS LAMINATIONS
			20		SANDSTONE FINE TO MEDIUM GRAINED
			25		MUDSTONE SILTSTONE MEDIUM INTERBEDDED, GENERALLY CARBONACEOUS WITH BONY COAL PARTING AT 26.32-26.78
			30		DIPS AT 65° TO CORE AT 31.7
			35		
			38.56		COAL, CLEAN, BRIGHT AND BLOCKY (3.38/2.95)
			40		BASICALLY SILTSTONE WITH INTERBEDDED MUDSTONE AND SANDSTONE PHASES MUDSTONE CARBONACEOUS 42.37 - 42.68 SANDSTONE FINE GRAINED TO VERY FINE GRAINED DIPS AT 80° TO CORE AT 45.1
	41.85		COAL CLEAN BRIGHT BLOCKY TO CRUSHED (0.82-0.76)		
	46.12		COAL, CLEAN, BRIGHT, BLOCKY (1.21/1.18)		
	46.95		MUDSTONE 60% WITH INTERBEDDED CLEAN COAL 40%		
	47.47		MUDSTONE VERY CARBONACEOUS WITH COALY PARTINGS AT 50 AND 50.25		
	48.47		SILTSTONE WITH VERY FINE GRAINED SANDY CONVOLUTED PHASES		
	54.87		END OF HOLE		

TECK CORPORATION LIMITED

STRATIGRAPHIC LOG

OF

DDH. - BR-19

488

VERTICAL SCALE 1 : 200

PR - BURNT RIVER 78(3)A.

PROJECT BURNT RIVER

LOCATION SUKUNKA

HOLE NO BR-19 CORE SIZE NQ

DATUM GROUND LEVEL

CO-ORDINATES _____ N _____ E

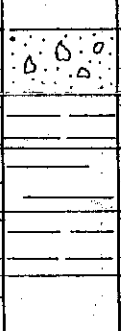
DATE STARTED _____

COLLAR ELEVATION 1170 METRES

DATE FINISHED _____

HOLE ANGLE 90° TOTAL DEPTH 6.40 M.

LOGGED BY B. McCLYMONT

SERIES	FORMATION	MEMBER	DISTANCE FROM DATUM	COLUMNAR SECTION	LITHOLOGIC DESCRIPTION
LOWER CRETACEOUS	GETHING		0		<p>OVERBURDEN SANDSTONE, CONVOLUTED SILTS AND THINLY INTERBEDDED MUDSTONE <i>85°-90° TO CORE AXIS</i></p> <p>SILTSTONE DARK GREY HIGH FB</p> <p>MUDSTONE CARBONACEOUS, SOFT, WEATHERED MUD SEAM 4.57 - 4.87</p> <p>SILTSTONE LIGHT GREY</p> <p>END OF HOLE</p>
		1.53	3.05	4.41	6.40

TECK CORPORATION LIMITED

STRATIGRAPHIC LOG

OF

DDH. BR-20

488

VERTICAL SCALE 1 : 200

PR - BURNT RIVER 78(3)A

PROJECT BURNT RIVER LOCATION SUKUNKA
 HOLE NO BR-20 CORE SIZE _____ DATUM GROUND LEVEL
 CO-ORDINATES _____ N _____ E DATE STARTED _____
 COLLAR ELEVATION 1160 METRES DATE FINISHED _____
 HOLE ANGLE 90° TOTAL DEPTH 24.39 M. LOGGED BY B. McCLYMONT

SERIES	FORMATION	MEMBER	DISTANCE FROM DATUM	COLUMNAR SECTION	LITHOLOGIC DESCRIPTION
LOWER CRETACEOUS	GETHING		0		OVERBURDEN
			2.43		SANDSTONE 40%
			5		SILTSTONE 40%
			8.23		MUDSTONE 20%
			9.5		SANDSTONE FINE TO VERY FINE GRAINED WITH CARBONACEOUS WHISPS AND LAMINATIONS CONVOLUTED AND CROSS BEDDED IN PLACES Fe STAIN AT 8.23
			10.63		SILTSTONE LIGHT GREY FINE LAMINATIONS
			10.63		MUDSTONE CARBONACEOUS
			14.26		COAL CLEAN, BRIGHT AND BLOCKY TO CRUSHED 3.64/3.53
			15		MUDSTONE WITH COAL PARTINGS 1.16/.97
			16.72		COAL CLEAN BRIGHT AND BLOCKY 1.30/1.05
	18.30		COAL SEMI BRIGHT HEAVY NO VISABLE ASH		
	18.60		MUDSTONE VERY CARBONACEOUS DARK GREY TO BLACK		
	19.50		MUDSTONE COALY		
	20		COAL CLEAN MOSTLY CRUSHED		
	21.03		BONE COAL WITH SOME INTERBEDDED CLEAN COAL: BONE 50% DIRTY COAL 30%, CLEAN COAL 20%		
	21.44		MUDSTONE AND BONE COAL WITH MINOR CLEAN COAL PARTINGS		
	24.39		BONE COAL 21.03-21.28 WITH MINOR CLEAN COAL ABOVE AND BELOW		
	25		MUDSTONE WITH SOME INTERBEDDED SILTSTONE IN UPPER SECTION		
			END OF HOLE		

TECK CORPORATION LIMITED

STRATIGRAPHIC LOG OF DDH. BR-22

488

VERTICAL SCALE 1 : 200

Pr - Burnt River 78(3)A.

PROJECT BURNT RIVER LOCATION SUKUNKA
 HOLE NO BR-22 CORE SIZE NQ DATUM GROUND LEVEL
 CO-ORDINATES N E DATE STARTED _____
 COLLAR ELEVATION 1222 METRES DATE FINISHED _____
 HOLE ANGLE 90° TOTAL DEPTH 108.50 M. LOGGED BY B. McCLYMONT

SERIES	FORMATION	MEMBER	DISTANCE FROM DATUM	COLUMNAR SECTION	LITHOLOGIC DESCRIPTION
			0		
			5		OVERBURDEN
			9.10		
			10		
			15		BASICALLY MUDSTONE WITH SILTY AND SANDY PHASES VERY CARBONACEOUS WITH COAL PARTINGS 17.10 - 21.45
			20		
			21.45		SANDSTONE MEDIUM GRAINED CARBONACEOUS CROSS BEDDED MUDSTONE THINLY INTERBEDDED CONVOLUTED SILTSTONE (25%)
			25		
			25.40		
			30		MUDSTONE SANDSTONE MEDIUM INTERBEDDED 70% 30%
			30		SANDSTONE MEDIUM TO COARSE GRAINED, CLEAN TO SILTY, CARBONACEOUS MUDSTONE CARBONACEOUS TO SILTY DIPS 70° TO CORE
			33.50		
			35		MUDSTONE, CARBONACEOUS TO VERY CARBONACEOUS
			36.38		
			40.23		SANDSTONE S+P CROSS BEDDED CARBONACEOUS COAL WHISPS MEDIUM GRAINED DIPS 75° TO CORE VERY COARSE GRAINED TO GRITTY WITH COAL PARTINGS 40.23 - 41.45
			41.45		
			45.40		SANDSTONE MEDIUM GRAINED VERY SILTY WITH INTERBEDDED SILTSTONE 30%
			45		
			45.12		SANDSTONE COARSE GRAINED TO VERY COARSE GRAINED S+P CARBONACEOUS WHISPS AND LAMINATIONS MUD BLEBS MUDSTONE CARBONACEOUS
			46.43		
			50		SANDSTONE MEDIUM TO COARSE GRAINED CARBONACEOUS INTERBEDDED SILTSTONE AND MUDSTONE 20% CONVOLUTED BEDDING MUD GAULS AND BLEBS DIPS 80° TO CORE
			52.76		
			53.46		COAL, CLEAN, BRIGHT, BLOCKY
			53.83		COAL DULL WITH BRIGHT BANDS, HIGH ASH
			55		MUDSTONE SILTY PHASES SANDSTONE 55.7 - 56.6 CARBONACEOUS TO VERY CARBONACEOUS CLEAN COAL PARTINGS DIPS AT 80° TO CORE
			58.12		
			60		SANDSTONE MUDSTONE SILTSTONE THIN TO MEDIUM INTERBEDDED 50% 30% 20% FINE TO MEDIUM GRAIN CARBONACEOUS
			65		
			67.5		SANDSTONE COARSE GRAINED S+P COAL PARTINGS + WHISPS
			68.88		
			70		BASICALLY SILTSTONE MUDSTONE INTERBEDDED MINOR SANDSTONE
			75		
			76.10		
			80		MUDSTONE, SILTY PHASES, MINOR SANDSTONE INTERBEDDED MUDSTONE BECOMES VERY CARBONACEOUS 80.0 - 80.57 DIPS AT 70° TO CORE
			80.60		
			82.80		COAL, CLEAN, BRIGHT, BLOCKY 2.80/2.70
			83.40		COAL SEMI BRIGHT HIGH ASH 3.9/3.4
			85		BASICALLY SANDSTONE THIN TO FINELY INTERBEDDED SILTSTONE AND MUDSTONE CONVOLUTED BEDDING CARBONACEOUS LAMINATIONS AND WHISPS MEDIUM GRAINED CARBONACEOUS SANDSTONE 75°-80° CORE AT 84.80 80° CORE AT 89.0
			90		
			93.50		SILTSTONE, CARBONACEOUS AND MUDDY, MINOR SANDSTONE INTERBEDDED
			95		
			96.54		MUDSTONE CARBONACEOUS
			96.12		COAL CLEAN
			97.10		MUDSTONE VERY CARBONACEOUS AND BONY, CLEAN COAL PARTINGS
			100		COAL CLEAN BRIGHT AND BLOCKY HIGH ASH 97.20 - 97.32 4.23/3.90
			100.79		COAL SEMI BRIGHT NO VISABLE ASH CRUSHED 101.12 - 101.43 WITH MUDSTONE PARTING 100.98 - 101.12
			101.43		
			101.93		MUDSTONE CARBONACEOUS
			102.19		MUDSTONE VERY CARBONACEOUS TO BONY WITH MINOR CLEAN INTERBEDDED
			103.12		COAL CRUSHED HEAVY
			105		MUDSTONE SILTY, VERY CARBONACEOUS IN PART
			105.14		
			104.93		SANDSTONE THINLY INTERBEDDED MUDSTONE, CONVOLUTED SILTS MEDIUM GRAINED CARBONACEOUS, HEAVY PYRITE DIPS 75°-90° TO CORE
			108.50		MUDSTONE VERY CARBONACEOUS BADLY BROKEN WITH GOUGE 108.20 - 108.50
			109.50		END OF HOLE
			110		

LOWER CRETACEOUS
GETHING

TECK CORPORATION LIMITED

STRATIGRAPHIC LOG

OF

DDH. BR-23

488

VERTICAL SCALE 1:200

Re-Burnt River 78(3)A

PROJECT <u>BURNT RIVER</u>	LOCATION <u>SUKUNKA</u>
HOLE NO <u>BR-23</u> CORE SIZE <u>NQ</u>	DATUM <u>GROUND LEVEL</u>
CO-ORDINATES <u>N</u> <u>E</u>	DATE STARTED _____
COLLAR ELEVATION <u>1238</u> METRES	DATE FINISHED _____
HOLE ANGLE <u>90°</u> TOTAL DEPTH <u>134.11</u> M.	LOGGED BY <u>B. McCLYMONT</u>

LOWER CRETACEOUS
GETHING

SERIES	FORMATION	MEMBER	DISTANCE FROM DATUM	COLUMNAR SECTION	LITHOLOGIC DESCRIPTION
			0		OVERBURDEN
			1.54		SANDSTONE, SILTSTONE, MUDSTONE MEDIUM INTERBEDDED 40% 40% 20%
			5		SANDSTONE MEDIUM GRAINED CROSS BEDDED 75°-80° TO CORE AXIS
			7.0		MUDSTONE CARBONACEOUS TO VERY CARBONACEOUS
			10		COAL 9.0-9.15
			10.90		COAL, CLEAN BRIGHT, CRUSHED 80/40
			15		MAINLY MUDSTONE WITH INTERBEDDED SANDSTONE AND SILTSTONE 50% 30% 20%
			16.70		SANDSTONE MEDIUM GRAINED, CARBONACEOUS, SWIRLED, CROSS BEDDED DIPS 65° TO CORE
			17.88		SANDSTONE MEDIUM GRAINED, CARBONACEOUS LAMINATIONS DIPS 65°-70° TO CORE
			20		MUDSTONE
			22.10		SANDSTONE COARSE GRAINED CARBONACEOUS S+P
			25		MUDSTONE SILTSTONE MEDIUM INTERBEDDED, MINOR SANDSTONE 90° TO CORE AT 24.40
			30		
			31.10		SANDSTONE MEDIUM GRAINED SILTY DARK GREY
			33.50		SANDSTONE MEDIUM GRAINED BROKEN, SHEARED, CALCITE FILLING
			35		
			35.60		SANDSTONE VERY COARSE GRAINED, GRADING TO CONGLOMERITIC SANDSTONE CARBONACEOUS S+P DIPS 70° TO CORE
			37.80		
			40		MAINLY SANDSTONE WITH SWIRLED AND CONVOLUTED SILTSTONE AND MUDSTONE SANDSTONE FINE GRAINED CARBONACEOUS DIP VARIES 75°-80° TO CORE AXIS
			45		
			46.50		COAL CLEAR BRIGHT AND BLOCKY 150/75 HIGH ASH 475-480
			48.0		MUDSTONE, MINOR SILTSTONE, CARBONACEOUS TO VERY CARBONACEOUS COAL 50.60-51.36 76/15 BRIGHT TO DULL WITH BRIGHT BANDS
			50		
			51.36		
			55		
			60		MAINLY MUDSTONE WITH MEDIUM INTERBEDDED SILTSTONE AND SANDSTONE 50% 30% 20% DIPS 70° TO CORE SHEARED AND BROKEN 64.0-65.0
			68		
			70		
			75		MAINLY SILTSTONE, SANDSTONE MEDIUM INTERBEDDED, CARBONACEOUS MUDSTONE 15% SWIRLED AND CONVOLUTED, CROSS BEDDED DIPS AT 65°-70° TO CORE
			76.80		MUDSTONE CARBONACEOUS SOFT AND COALY 78.40-78.54, SHEARED
			78.54		
			80		COAL GENERALLY BRIGHT AND CLEAN BLOCKY TO CRUSHED SOFT AND FRIABLE 78.54-79.18 MINOR VISIBLE ASH 80.40-80.70 3.98/2.53 (64%)
			82.51		MUDSTONE BONE COAL CRUSHED COAL 48/30 40% 40% 20%
			83.75		MUDSTONE CARBONACEOUS
			85		
			90		SANDSTONE SILTSTONE MUDSTONE MEDIUM INTERBEDDED 40% 40% 20%
			95		
			98.0		MUDSTONE CARBONACEOUS SILTY 94.80-97.0 CLEAN COAL PARTING AT 97.90
			100		COAL CLEAN BRIGHT AND BLOCKY 4.16/374
			102.10		COAL BRIGHT BLOCKY TO CRUSHED; MINOR MUDSTONE CRUSHED COAL: SHEARED AND DIRTY 62/37 MUDSTONE, CARBONACEOUS, INTERBEDDED SANDSTONE 103.20-103.50
			103.50		COAL BRIGHT AND CLEAN TO DULL AND BONEY 50/28
			105		
			106.50		SANDSTONE, CARBONACEOUS LAMINATIONS SILTY IN PART DIPS AT 80° TO CORE
			107.20		MUDSTONE, CARBONACEOUS, BLOCKY
			109.30		
			110		SILTSTONE LIGHT GREY GRADING TO VERY SILTY MEDIUM COARSE GRAINED SANDSTONE VUGGY WEATHERED VERY CARBONACEOUS 112.22-112.62
			112.62		
			115		MUDSTONE, CARBONACEOUS TO VERY CARBONACEOUS COAL PARTINGS COAL 113.40-113.50 114.0-114.10 SILTY 116.70-120.0 SHEARED AND BROKEN 118.50-118.80
			120		
			122.0		SANDSTONE MEDIUM GRAINED CARBONACEOUS WHISPS, MUD CRACKS, PYRITE 70°-75° TO CORE CONVOLUTED SILTY PHASES BEDDING SHOWS MINOR VERTICAL DISPLACEMENT
			125		MUDSTONE, MINOR SILTS DARK GREY TO BLACK; CARBONACEOUS TO VERY CARBONACEOUS COAL PARTINGS AT 123.75
			127.0		BASICALLY SANDSTONE MEDIUM GRAINED CLEAN TO SILTY, CROSS BEDDED DIPS AT 70°-75° TO CORE MUD CRACKS CARBONACEOUS WHISPS INTERBEDDED CARBONACEOUS MUDSTONE 126.20-126.80 123.40-129.0
			130		MUDSTONE, BLACK VERY CARBONACEOUS COAL PARTINGS
			131.50		COAL, BONE COAL MUDSTONE PARTINGS, COAL DULL WITH BRIGHT, CLEAN BANDS
			132.50		MUDSTONE CARBONACEOUS, COAL PARTINGS
			134.11		SILTSTONE LIGHT GREY SANDY PHASES
			135		END OF HOLE

TECK CORPORATION LIMITED

STRATIGRAPHIC LOG

OF

DDH. BR-24

488

VERTICAL SCALE 1 : 200

PR - Burnt River 78(3)A.

PROJECT <u>BURNT RIVER</u>	LOCATION <u>SUKUNKA</u>
HOLE NO <u>BR-24</u> CORE SIZE <u>NQ</u>	DATUM <u>GROUND LEVEL</u>
CO-ORDINATES <u>N</u> <u>E</u>	DATE STARTED _____
COLLAR ELEVATION <u>1258</u> METRES	DATE FINISHED _____
HOLE ANGLE <u>90°</u> TOTAL DEPTH <u>109.73</u> M.	LOGGED BY <u>B. McCLYMONT</u>

SERIES	FORMATION	MEMBER	DISTANCE FROM DATUM	COLUMNAR SECTION	LITHOLOGIC DESCRIPTION
			0		
			5		
			10		OVERBURDEN
			15		
			18.29		MUDSTONE CARBONACEOUS
			19.30		
			20		SANDSTONE MEDIUM TO COARSE GRAINED, COAL WHISPS, MUD CRACKS PHASES OF CONVOLUTED SILTSTONE DIPS AT 50° TO CORE AT 21.30 45° TO CORE AT 24.40
			25		
			26.10		
			30		MUDSTONE, MINOR SANDSTONE, CARBONACEOUS TO VERY CARBONACEOUS
			34.14		
			35		SANDSTONE, MEDIUM TO COARSE GRAINED, CARBONACEOUS, SLUMP STRUCTURES INTERBEDDED MUDSTONE 15% DIPS AT 70° TO CORE
			37.20		MUDSTONE CARBONACEOUS TO VERY CARBONACEOUS CLEAN COAL 37.34-38.10 76-25
			40		
			40.59		
			F		SANDSTONE COARSE GRAINED, S+P COAL PARTINGS HEAVILY FRACTURED - CALCITE INFILLING, MINOR SHEARING MUD BLEBS DIPS ERRATIC (40°-70°) 45° TO CORE AT 45.0
			45		
			48.57		
			50		MAINLY SANDSTONE, FINE TO MED GRAINED, CARBONACEOUS, SILTY PHASES WITH INTERBEDDED MUDSTONE, SILTSTONE DIPS AT 50° TO CORE HEAVILY FRACTURED AT 55.47
			55		
			56.08		
			F		SANDSTONE COARSE GRAINED, S+P COAL PARTING AND WHISPS MUD CRACKS AND BLEBS DIPS AT 50° TO CORE FRACTURED, SHEARED CALCITE INFILLING
			59.28		
			60		
			65		
			70		SANDSTONE, SILTSTONE, MUDSTONE MEDIUM INTERBEDDED SANDSTONE, VERY SILTY, FINE GRAINED CARBONACEOUS, CONVOLUTED BEDDING HEAVILY FRACTURED AT 64.31 TO 69.00 CALCITE INFILLING DIPS VARY 40°-70° TO CORE
			75		
			79.55		
			80		MUDSTONE, CARBONACEOUS, SHEARED AT 81.38
			82.90		
			85		BASICALLY SANDSTONE, MEDIUM TO COARSE GRAINED, CARBONACEOUS WHISPS AND LAMINATIONS CONVOLUTED SILTSTONE WITH THINLY INTERBEDDED MUDSTONE 10% 55° TO CORE
			85.95		
			87.48		COAL CLEAN BRIGHT BLOCKY TO CRUSHED MINOR MUDSTONE PARTING AT 86.87 1.53/1.22
			90		
			95		MAINLY SANDSTONE WITH CONVOLUTED SILTY AND MUDDY PHASES INTERBEDDED MUDSTONE 10% SANDSTONE FINE TO COARSE GRAINED, CARBONACEOUS DIPS 50°-60° TO CORE
			100		
			102.26		MUDSTONE VERY SILTY HIGH Fe CONTENT
			105.50		
			105.60		BONE COAL
			107.20		COAL CLEAN BRIGHT BLOCKY HIGH CORE LOSS 106.53-107.20 1.40/.92
			107.20		MUDSTONE CARBONACEOUS
			108.36		
			109.73		SANDSTONE MUDSTONE SILTSTONE MEDIUM INTERBEDDED SANDSTONE FINE GRAINED, SILTY HIGH Fe, CALCITE WHISPS, SLICKENSIDES
			110		END OF HOLE

LOWER CRETACEOUS
GETTING

STRATIGRAPHIC LOG
OF
DDH. T-67

VERTICAL SCALE 1 : 200

PROJECT Bullmoose (South Fork) LOCATION Sukunka
HOLE NO 67 CORE SIZE HQ DATUM Top of casing
CO-ORDINATES 8077.11 N 6307.56 E DATE STARTED _____
COLLAR ELEVATION 1588.40 METRES DATE FINISHED _____
HOLE ANGLE -90 TOTAL DEPTH 114.91 M. LOGGED BY B.I. McClymont

SERIES	FORMATION	MEMBER	DISTANCE FROM DATUM	COLUMNAR SECTION	LITHOLOGIC DESCRIPTION
LOWER CRETACEOUS	COMOTION	GATES	0		OVERBURDEN
			5		SANDSTONE, MEDIUM - COARSE GRAINED, CARBONACEOUS, MATERIAL SHALE PARTINGS INCREASING DOWNWARD, BEDDING/CORE LOW ANGLE.
			10		MUDSTONE, MINOR INTERBEDDED SILTSTONE AND SANDSTONE. (10%)
			15		
			20		SANDSTONE, MUDSTONE, MEDIUM INTERBEDDED, COAL PARTINGS 80-20. 80 - 20
			25		
			26.24		COAL, SHALE, PYRITE
			26.85		MUDSTONE, VERY CARBONACEOUS
					COAL, BRIGHT WITH DULL BANDS, (70-30)
					MUDSTONE - SHALE; COAL 28.25 - 28.32
			29.42		SILTSTONE
			30		COAL, BRIGHT, BLOCKY-CRUSHED, 1.32/1.13, ASH 20-25%, 'E' SEAM
			30.74		
					MUDSTONE
					SANDSTONE, COARSE GRAINED, MUD BLEBS, IRON CONCRETIONS.
					SHALE, BLACK, CARBONACEOUS
					BONE; VERY CARBONACEOUS MUDSTONE, 40-60.
					SANDSTONE, SILTY
					SANDSTONE, VERY COARSE GRAINED, COAL WISPS, CROSS-BEDDED, MINOR SILTSTONE PARTINGS.
		SANDSTONE, SILTSTONE, SHALE THINLY INTERBEDDED; VERY CONVOLUTED. 50-30-20; VERY THIN CARBONACEOUS WISPS.			
		MUDSTONE, SILTSTONE, SANDSTONE THIN-MEDIUM INTERBEDDED. (50-30-20)			
		53.10		COAL, DULL TO BRIGHT BANDS; HIGH ASH 53.10 - 53.83, 1.98/1.83 'D' SEAM	
		55		MUDSTONE, VERY CARBONACEOUS	
		55.08		SANDSTONE, MUDSTONE, SILTSTONE THIN TO MEDIUM INTERBEDDED. SS: COARSE GRAINED, COAL WISPS; MPST: CARBONACEOUS, SHALEY, COAL PARTINGS SILT: HIGH IRON, SANDY TO MUDDY. VERTICAL FRACTURE AT 57.92 M.	
				MUDSTONE, SHALEY, CARBONACEOUS, PYRITE BLEBS, CLEAN COAL PARTINGS (1-4CM)	
		60		COAL-SHALE, PYRITE 5%, COAL-CLEAN, BRIGHT, SOFT	
		60.50		MUDSTONE, CARBONACEOUS, SHALEY, IRON CONCRETIONS, CALCITE STRINGERS 61.85-62.0	
		65		SANDSTONE, SILTSTONE AND MUDSTONE PARTINGS, VERY CONVOLUTED BEDDING S.S: MEDIUM GRAINED, CROSS-BEDDED, MUD BLEBS.	
		70		SANDSTONE, COARSE GRAINED, CARBONACEOUS WISPS, CROSS-BEDDED, SHALE PARTINGS 15%, MUD BLEBS.	
		73.45		SHALE, CARBONACEOUS	
				COAL, BRIGHT, BLOCKY 1.19/1.17	
		75		COAL, SHALE, MUDSTONE, CLAY	
		75.60		COAL, CRUSHED, ASH 20%, .80/.35	
				MUDSTONE	
				2.15/1.68 'C' SEAM	
				SANDSTONE, WITH THINLY INTERBEDDED SILTSTONE AND MUDSTONE MEDIUM INTERBEDDED SANDSTONE, COARSE GRAINED, CARBONACEOUS WISPS	
		80			
				MUDSTONE, VERY CARBONACEOUS. CLEAN COAL PARTINGS.	
		85			
				SANDSTONE, SILTSTONE, MUDSTONE THIN TO VERY THINLY INTERBEDDED, CARBONACEOUS LAMINATES AND WISPS.	
		90			
				MUDSTONE, SHALEY, VERY CARBONACEOUS, SANDSTONE AT 93.65 - 93.95	
		95			
		96.12		BONE COAL	
				COAL, BLOCKY, BRIGHT, MINOR ASH VISIBLE 4.70/4.0 'B' SEAM	
		100			
		100.82		MUDSTONE, CARBONACEOUS, SANDY.	
				SANDSTONE, MUDSTONE THIN INTERBEDDED (SUKUNKA TYPE) 70-30 SS: COARSE GRAINED, CROSS-BEDDED, COAL WISPS.	
		105			
				MUDSTONE, SILTY, CLEAN COAL PARTINGS. ; MINOR COAL AT 106.90	
		107.22		COAL, BLOCKY, GENERALLY BRIGHT; MUDSTONE 107.42-107.52; 1.22/.85 'A2' SEAM	
		108.44		MUDSTONE - SANDSTONE SPLIT	
		109.12		COAL, CLEAN, BRIGHT, BLOCKY 1.45/.90 'A1' SEAM	
		110.57			
				SANDSTONE, COARSE GRAINED, CARBONACEOUS, CROSS-BEDDED MASSIVE, WORM TRACTS 112.50-113.50	
		115		114.91 END OF HOLE	



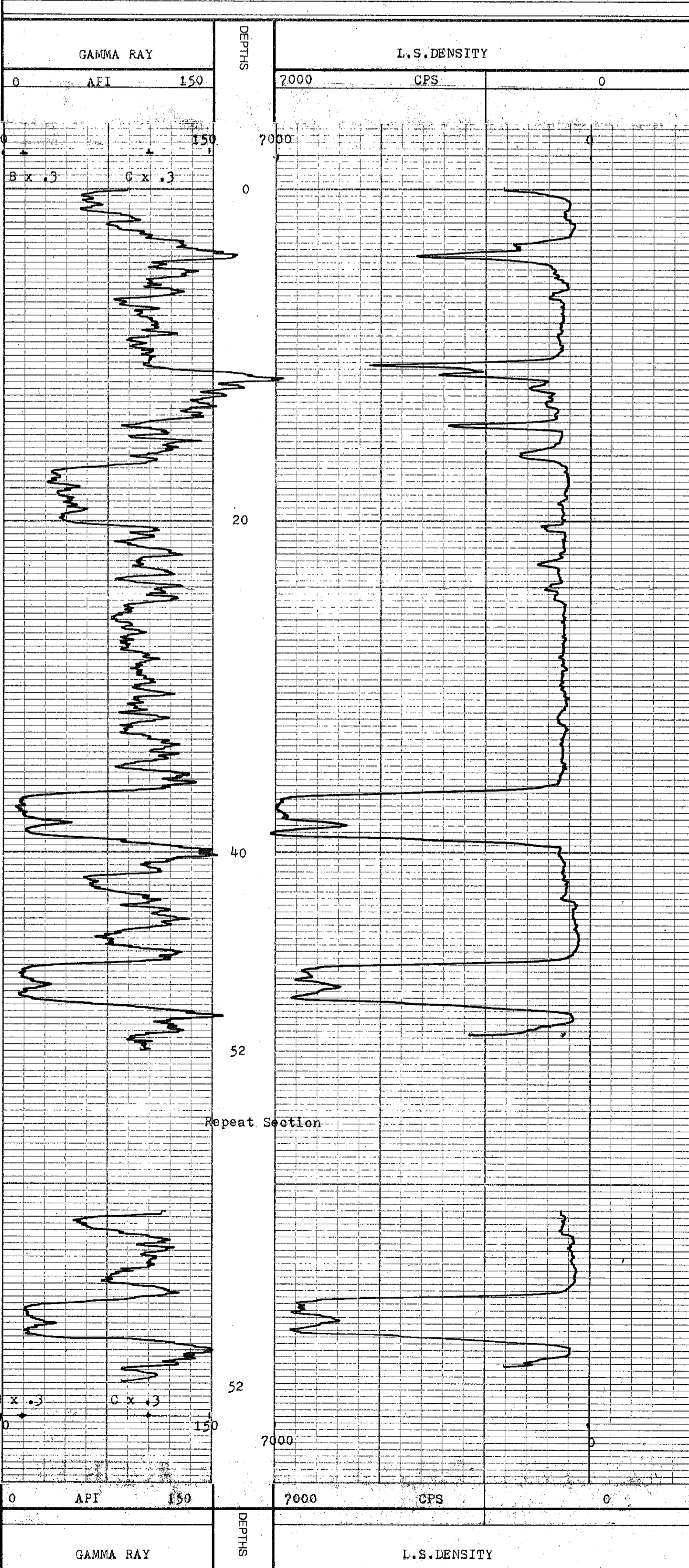
COAL LITHOLOGY LOG
Gamma Ray, I.S. Density

DL-Brent River 78(5)A

COMPANY Brameda Resources
 BOREHOLE BW-1
 STATE B.C. COUNTRY Canada
 Permanent Datum Ground Level Elev. m.
 Log measured from Ground Level m. above P.D.
 Drilling measured from m. above P.D.
 GRID REF. E N RL
 Run No. 1 DepthScale 1:200
 Date 1/11/78
 First Reading 52m
 Last Reading 0
 Interval Measured 52m
 Casing 9PB
 Casing Driller 2m
 Depth Reached 52.0m
 Bottom Driller 51.5m
 Mud Nature Cut-Well/Quik-Tool
 SG Viscosity to
 Bit Size 1.875" to TD to
 Casing Size 2" to 2m to
 Rm @ Meas Temp. @ °F @ °F
 Rmf @ Meas Temp. @ °F @ °F
 Rmc @ Meas Temp. @ °F @ °F
 Source: Rmf Rmc
 Rm @ BHT @ °F @ °F
 Rmf @ BHT @ °F @ °F
 Rmc @ BHT @ °F @ °F
 BHT
 Operating Time 1 1/2 hrs.
 Truck No. V25/42
 Recorded By D.H./R.B.
 Witness

REMARKS

Changes in Mud Type or Additional Samples				Scale Changes			
Date	Sample No.	Type Log	Depth	Scale Up Hole	Scale Down		
Type Fluid in Hole							
Dens.	Visc						
ph.	Fluid Loss	mi					
Source of Sample				Equipment Data			
Rm @ Meas Temp.	@	°F	@	°F	Run No.	Tool Type	Tool Position
Rmf @ Meas Temp.	@	°F	@	°F			Other
Rmc @ Meas Temp.	@	°F	@	°F			
Source: Rmf Rmc							
Rm @ BHT	@	°F	@	°F			
Rmf @ BHT	@	°F	@	°F			
Rmc @ BHT	@	°F	@	°F			
Logging Data							
Log	Depths	Speed	T.C.	Norm.	Sonde No.	Source No.	
	From To						
Gamma	52 0	9	1	1.3	78		
LSD	51 0	9	1/3	-	78	LSD	



COMPANY Brameda Resources
 BOREHOLE BW-1
 STATE B.C.
 COUNTRY Canada

BOREHOLE BW-1 TO 29
 # 4
 WD.H. BW-1 TO 31

488



DETAIL LOGS
Gamma Ray, I.S. Density

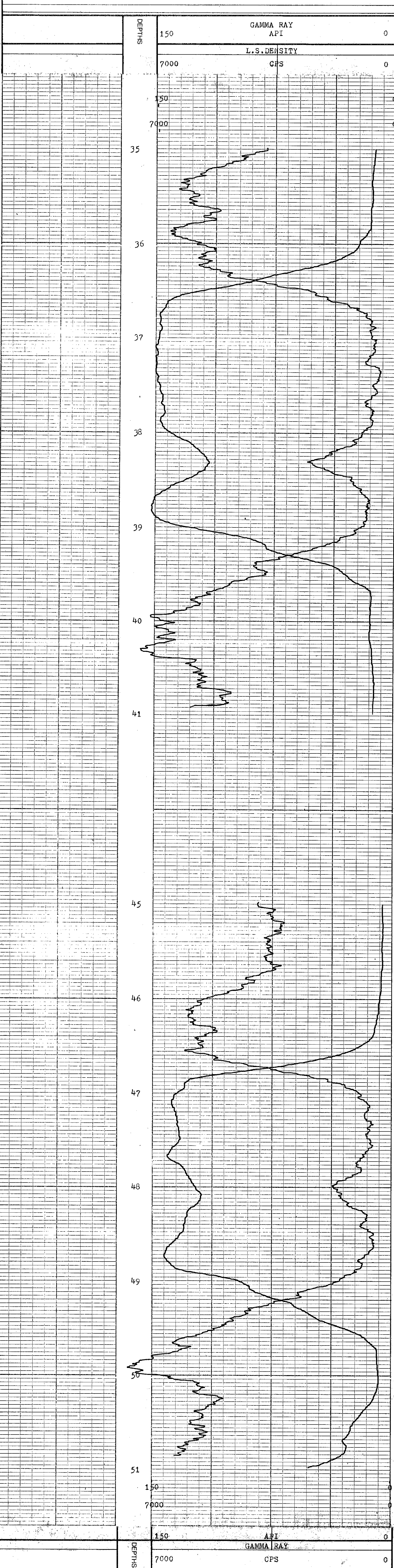
A-1-10001-10001-10001

COMPANY Brameda Resources
 BOREHOLE BW-1
 STATE B.C. COUNTRY Canada
 Permanent Datum _____ Elev. _____ m.
 Log measured from _____ Ground Level _____ m. above P.D.
 Drilling measured from _____ m. above P.D.
 GRD REF. E _____ N _____ R.L. _____
 Run No. 1 Depth Scale 1:20
 Date 1/11/78
 First Reading 51m
 Last Reading 35m
 Interval Measured 2 details
 Casing BFB _____
 Casing Driller _____
 Depth Reached _____ REFER TO LITHOLOGY LOG
 Bottom Driller _____
 Mud Nature _____
 SG. Viscosity _____
 Bit Size 1 to 10
 2 to 10
 3 to 10
 Casing Size 1 to 10
 2 to 10
 Rm @ Meas Temp @ @
 Rmf @ Meas Temp @ @
 Rmc @ Meas Temp @ @
 Source: Rmf Rmc @ @
 Rm @ BHT @ @
 Rmf @ BHT @ @
 Rmc @ BHT @ @
 BHT _____
 Operating Time _____
 Truck No. _____
 Recorded By _____
 Witness _____

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REMARKS		Scale Changes			
Date	Sample No.	Type Log	Depth	Scale Up Hole	Scale Down
Changes in Mud Type or Additional Samples					
Depth - Driller					
Type Fluid in Hole					
Dens.	Visc				
ph.	Fluid Loss	ml			
Source of Sample		Equipment Data			
Rm @ Meas Temp	@ @	Run No.	Tool Type	Tool Position	Other
Rmf @ Meas Temp	@ @				
Rmc @ Meas Temp	@ @				
Source: Rmf Rmc					
Rm @ BHT	@ @				
Rmf @ BHT	@ @				
Rmc @ BHT	@ @				

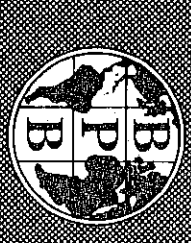
Log	Depths		Speed	T.C.	Norm.	Sonde No.	Source No.
	From	To					
Gamma	2 dets.	2	2	1.3	78		
LSD	2 dets.	2	1	-	78		LSD



DEPTHS 150 0
7000 0
GAMMA RAY API
L.S. DENSITY CPS

COMPANY Brameda Resources
 BOREHOLE BW-1
 STATE B.C.
 COUNTRY Canada

Pa - Buena Vista 2131A



DETAIL LOG
B.R. Density

COMPANY Brameda Resources
 BOREHOLE BW-1 COUNTRY Canada
 STATE B.C.
 Permanent Datum _____ Elev. _____ m.
 Log measured from _____ Ground Level _____ m. above P.D.
 Drilling measured from _____ m. above P.D.

GRID REF E _____ N _____ R.L. _____

Run No _____ Depth/Scale _____
 Date 1/11/78
 First Reading 51m
 Last Reading 35m
 Interval Measured 2 details
 Casing BPG _____
 Casing Driller _____
 Depth Reached _____
 Bottom Driller _____
 Mud Nature _____
 SG _____ Viscosity _____

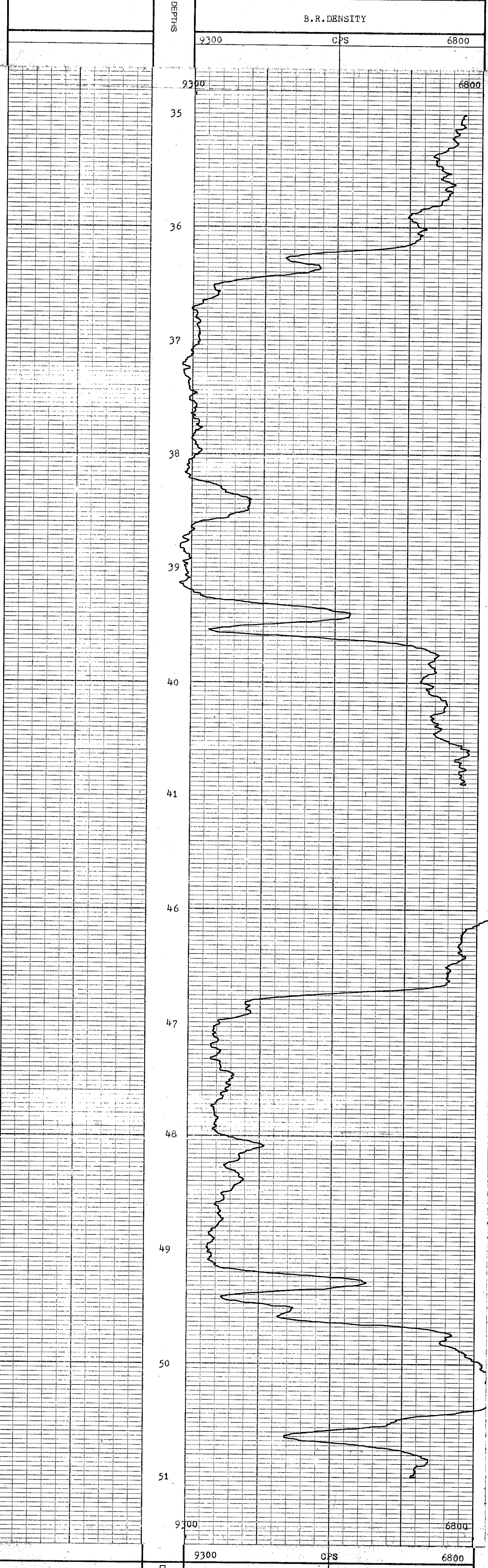
BIT Size 1 _____ to _____ to _____
 2 _____ to _____ to _____
 3 _____ to _____ to _____
 Casing Size 1 _____ to _____ to _____
 2 _____ to _____ to _____
 Rm @ Meas Temp _____ @ _____ @ _____
 Rmf @ Meas Temp _____ @ _____ @ _____
 Rmc @ Meas Temp _____ @ _____ @ _____
 Source Rmf _____ Rmc _____
 Rm @ BHT _____ @ _____ @ _____
 Rmf @ BHT _____ @ _____ @ _____
 Rmc @ BHT _____ @ _____ @ _____

Operating Time _____
 Truck No _____
 Recorded By _____
 Witness _____

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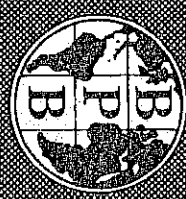
REMARKS

Changes in Mud Type or Additional Samples		Scale Changes			
Date	Sample No.	Type Log	Depth	Scale Up Hole	Scale Down
Depth - Driller					
Type Fluid in Hole					
Dens. _____	Visc. _____				
ph. _____	Fluid Loss _____ ml				
Source of Sample		Equipment Data			
Rm @ Meas. Temp. _____ @ _____ °F	_____ @ _____ °F	Run No. _____	Tool Type _____	Tool Position _____	Other _____
Rmf @ Meas. Temp. _____ @ _____ °F	_____ @ _____ °F				
Rmc @ Meas. Temp. _____ @ _____ °F	_____ @ _____ °F				
Source Rmf _____	Rmc _____				
Rm @ BHT _____ @ _____ °F	_____ @ _____ °F				
Rmf @ BHT _____ @ _____ °F	_____ @ _____ °F				
Rmc @ BHT _____ @ _____ °F	_____ @ _____ °F				
Logging Data					
Log	Depths	Speed	T.C.	Norm.	Sonde No.
	From To				
BRD	2 deta.	2	1	-	78



COMPANY Brameda Resources
 BOREHOLE BW-1
 STATE B.C.
 COUNTRY Canada

488



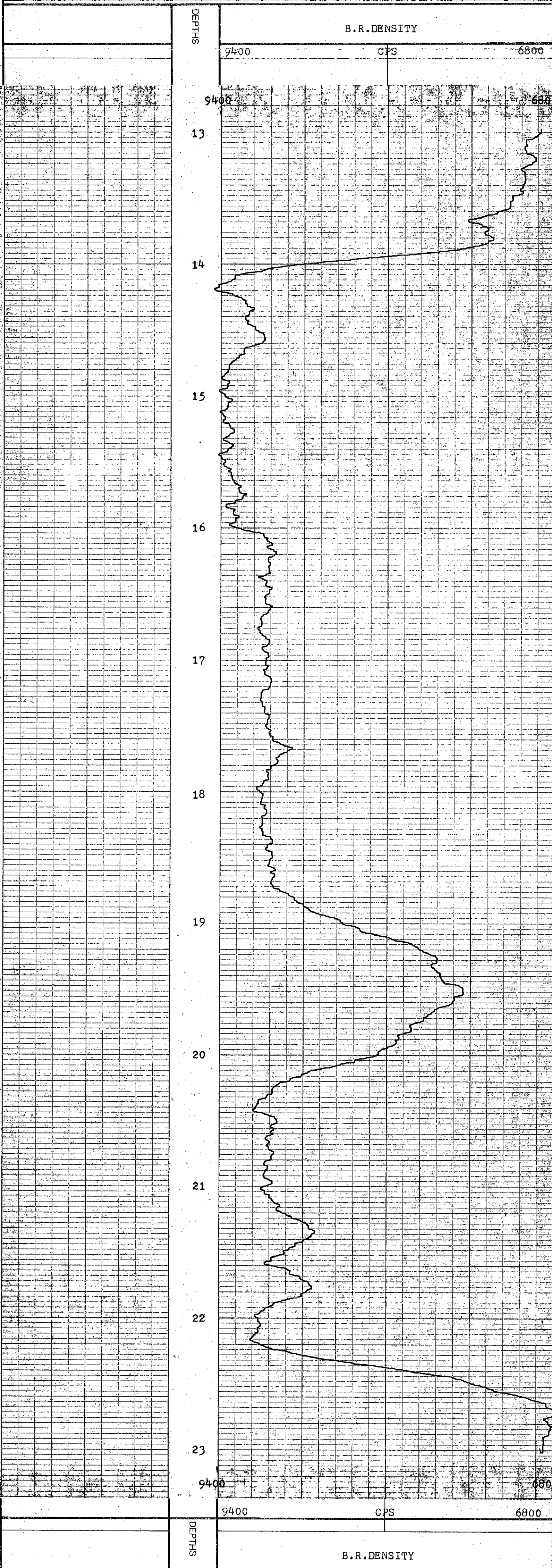
DETAIL LOG
B.R. Density

Dr. Brent Kiver 2/3/12

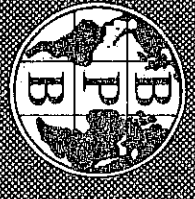
COMPANY <u>Brameda Resources</u>		STATE <u>B.C.</u>		COUNTRY <u>Canada</u>	
BOREHOLE <u>BW-14</u>		Permanent Datum <u>Ground Level</u> Elev. <u> </u> m.			
DATE <u>27/9/78</u>		Log measured from <u>Ground Level</u>		m. above P.D.	
GRID REF. E <u> </u> N <u> </u> RL <u> </u>		Drilling measured from <u> </u> m. above P.D.			
Run No. <u>1</u>	Depth Scale <u>1</u>	Date <u>27/9/78</u>			
First Reading <u>2.3m</u>	Interval Measured <u>1.3m</u>				
Interval Measured <u>1.3m</u>	Casing BPG <u> </u>				
Casing Driller <u> </u>	Depth Reached <u> </u>				
Bottom Driller <u> </u>	Wind Nature <u> </u>				
SG. <u> </u>	Viscosity <u> </u>				
Bit Size <u>1</u>	to <u> </u>	to <u> </u>	to <u> </u>	to <u> </u>	to <u> </u>
2	to <u> </u>	to <u> </u>	to <u> </u>	to <u> </u>	to <u> </u>
3	to <u> </u>	to <u> </u>	to <u> </u>	to <u> </u>	to <u> </u>
Casing Size 1 <u>2</u>	to <u> </u>	to <u> </u>	to <u> </u>	to <u> </u>	to <u> </u>
Rm @ Meas Temp. <u> </u>	@ <u> </u>	@ <u> </u>	@ <u> </u>	@ <u> </u>	@ <u> </u>
Rmf @ Meas Temp. <u> </u>	@ <u> </u>	@ <u> </u>	@ <u> </u>	@ <u> </u>	@ <u> </u>
Rmc @ Meas Temp. <u> </u>	@ <u> </u>	@ <u> </u>	@ <u> </u>	@ <u> </u>	@ <u> </u>
Rm @ Meas Temp. <u> </u>	@ <u> </u>	@ <u> </u>	@ <u> </u>	@ <u> </u>	@ <u> </u>
Rmf @ Meas Temp. <u> </u>	@ <u> </u>	@ <u> </u>	@ <u> </u>	@ <u> </u>	@ <u> </u>
Rmc @ Meas Temp. <u> </u>	@ <u> </u>	@ <u> </u>	@ <u> </u>	@ <u> </u>	@ <u> </u>
BHT <u> </u>	Operating Time <u> </u>				
Truck No. <u> </u>	Recorded By <u> </u>				
Witness <u> </u>	488				

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REMARKS				Scale Changes			
Changes in Mud Type or Additional Samples				Type Log	Depth	Scale Up Hole	Scale Down
Date	Sample No.						
Depth-Driller							
Type Fluid in Hole							
Dens. <u> </u>	Visc. <u> </u>						
ph. <u> </u>	Fluid Loss <u> </u>	ml <u> </u>					
Source of Sample				Equipment Data			
Rm @ Meas. Temp.	@ <u> </u>	@ <u> </u>	@ <u> </u>	Run No.	Tool Type	Tool Position	Other
Rmf @ Meas. Temp.	@ <u> </u>	@ <u> </u>	@ <u> </u>				
Rmc @ Meas. Temp.	@ <u> </u>	@ <u> </u>	@ <u> </u>				
Source: Rmf	Rmc						
Rm @ BHT	@ <u> </u>	@ <u> </u>	@ <u> </u>				
Rmf @ BHT	@ <u> </u>	@ <u> </u>	@ <u> </u>				
Rmc @ BHT	@ <u> </u>	@ <u> </u>	@ <u> </u>				
Logging Data							
Log	Depths	Speed	T.C.	Norm.	Sonde No.	Source No.	
	From To						
BRD	1 det.	2	1	-	78	BRD	



COMPANY <u>Brameda Resources</u>
BOREHOLE <u>BW-14</u>
STATE <u>B.C.</u>
COUNTRY <u>Canada</u>



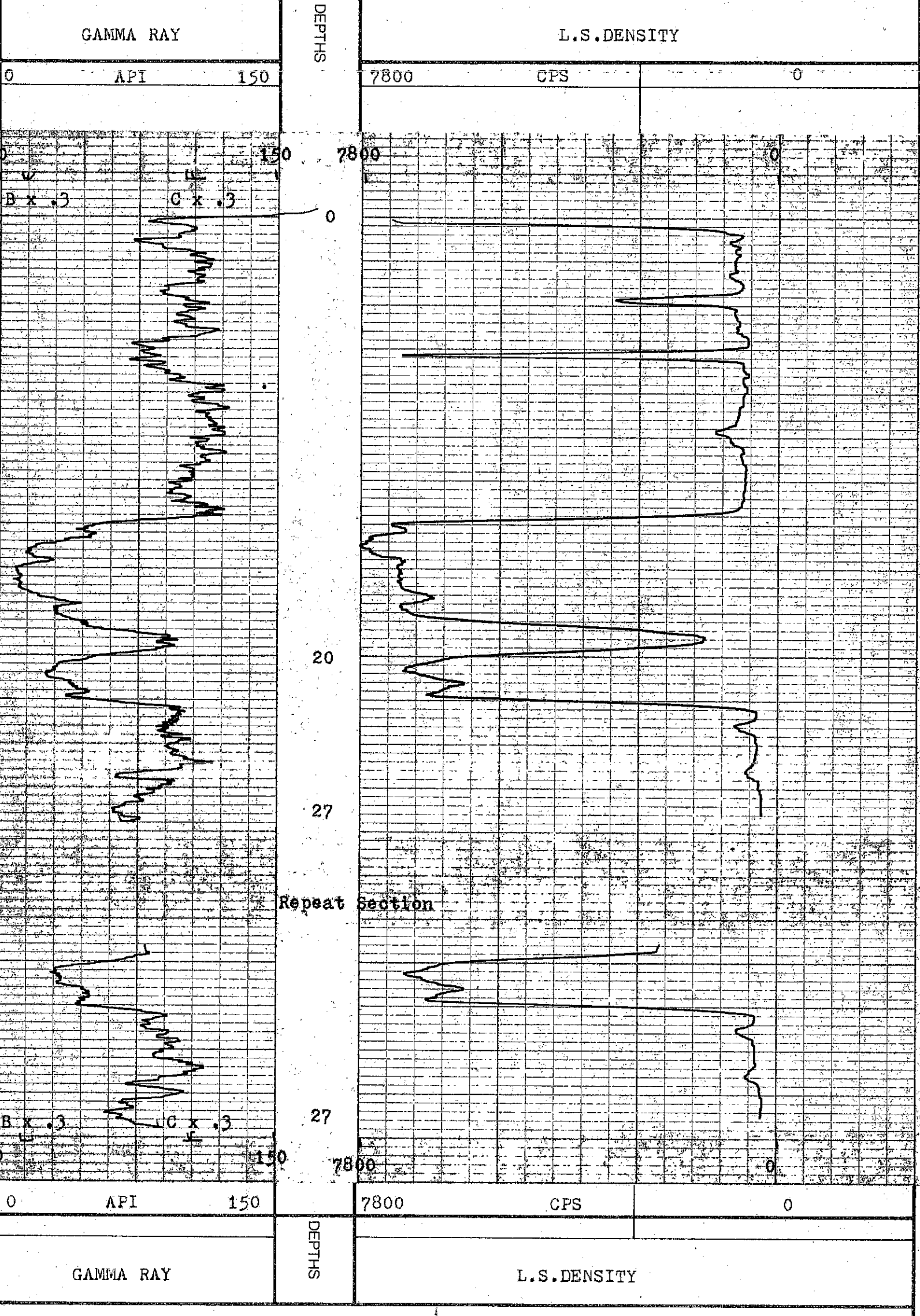
COAL LITHOLOGY LOG
Gamma Ray, L.S. Density

Mr. Brent Kline 78(5)A

COMPANY Brameda Resources
 BOREHOLE BW-14
 STATE B.C. COUNTRY Canada
 Permanent Datum _____ Elev. _____ m.
 Log measured from _____ Ground Level _____ m. above P.D.
 Drilling measured from _____ m. above P.D.
 GRID REF. E _____ N _____ RL _____
 Run No. 1 Depth Scale 1:200
 Date 27/9/78
 First Reading 27.6m
 Last Reading 0
 Interval Measured 27.6m
 Casing BPP _____
 Casing Driller _____
 Depth Reached 27.9m
 Bottom Driller 28.3m
 Mud Nature Cut-Well/Quik-Trol
 SG. Viscosity _____
 Bit Size 1 7/8" to 1 1/2"
 Casing Size 1 to _____
 Casing Size 2 to _____
 Casing Size 3 to _____
 Rm @ Meas Temp _____
 Rmf @ Meas Temp _____
 Rmc @ Meas Temp _____
 BHT _____
 Operating Time 1 1/2 hrs.
 Truck No. 21
 Recorded By R. Bishop
 Witness _____

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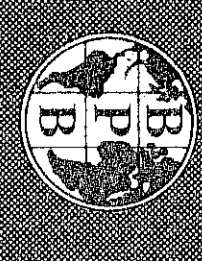
REMARKS				Scale Changes			
Changes in Mud Type or Additional Samples				Type Log	Depth	Scale Up Hole	Scale Down
Date	Sample No.						
Depth - Driller							
Type Fluid in Hole							
Dens.	Visc.						
ph.	Fluid Loss		ml				
Source of Sample				Equipment Data			
Rm @ Meas. Temp.	@	°F	@	°F	Run No.	Tool Type	Tool Position
Rmf @ Meas. Temp.	@	°F	@	°F			
Rmc @ Meas. Temp.	@	°F	@	°F			
Source: Rmf	Rmc						
Rm @ BHT	@	°F	@	°F			
Rmf @ BHT	@	°F	@	°F			
Rmc @ BHT	@	°F	@	°F			
				Logging Data			
				Log	Depths	Speed	T.C.
					From To		Norm.
							Sonde No.
							Source No.
				Gamma	27.6 0	9	1
				LSD	27.2 0	9	1/3
							78
							78
							LSD



COMPANY Brameda Resources
 BOREHOLE BW-14
 STATE B.C.
 COUNTRY Canada

488

Dr - Borehole Kuerer 2151A



DETAIL LOGS
Gamma Ray, I.S. Density

COMPANY Brameda Resources
 BOREHOLE BW-14
 STATE B.C. COUNTRY Canada
 Permanent Datum Ground Level Elev. m.
 Log measured from Ground Level m. above P.D.
 Drilling measured from m. above P.D.

GRID REF E N RL

Run No 1 Depth/Scale 1:120
 Date 27/9/78
 First Reading 23m
 Last Reading 13m
 Interval Measured 1 detail
 Casing BPH
 Casing Driller
 Depth Reached REFER TO LITHOLOGY LOG
 Bottom Driller
 Mud Nature
 SG
 Viscosity

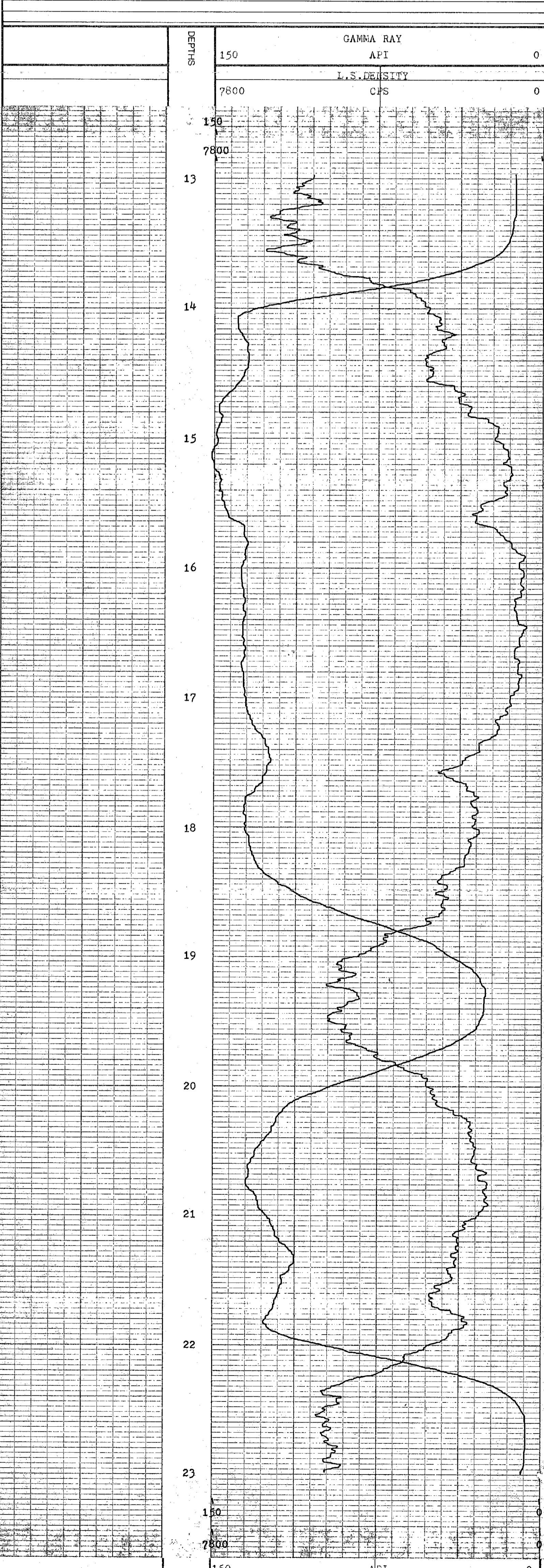
BIT SIZE 1 to 10
 2 to 10
 3 to 10
 Casing Size 1 to 10
 2 to 10
 Rm @ Meas Temp @ @
 Rmf @ Meas Temp @ @
 Rmc @ Meas Temp @ @
 Rm @ Meas Temp @ @
 Rmf @ Meas Temp @ @
 Rmc @ Meas Temp @ @
 BHT
 Operating Time
 Truck No
 Recorded By
 Witness

fold here

REMARKS

Changes in Mud Type or Additional Samples				Scale Changes			
Date	Sample No.	Type Log	Depth	Scale Up Hole	Scale Down		
Depth - Driller							
Type Fluid in Hole							
Dens.	Visc.						
ph.	Fluid Loss	ml					
Source of Sample				Equipment Data			
Rm @ Meas. Temp.	@	°F	@	°F	Run No.	Tool Type	Tool Position
Rmf @ Meas. Temp.	@	°F	@	°F			Other
Rmc @ Meas. Temp.	@	°F	@	°F			
Source: Rmf				Rmc			
Rm @ BHT	@	°F	@	°F			
Rmf @ BHT	@	°F	@	°F			
Rmc @ BHT	@	°F	@	°F			

Log	Depths		Speed	T.C.	Norm.	Sonde No.	Source No.
	From	To					
Gamma	1 det.	2	2	2	1.25	78	
LSD	1 det.	2	1	-	-	78	LSD



DEPTHS	150	API	0
DEPTHS	7800	GAMMA RAY	0
DEPTHS	7800	CPS	0
DEPTHS	150	L.S. DENSITY	0

COMPANY Brameda Resources
 BOREHOLE BW-14
 STATE B.C.
 COUNTRY Canada



LITHOLOGY LOG
Gamma Ray - Neutron-Neutron

A - Brent Luce 7(5)A

COMPANY Brameda Resources
 BOREHOLE BW-12
 STATE B.C. COUNTRY Canada

Permanent Datum Ground Level Elev. m.
 Log measured from Ground Level m. above P.D.
 Drilling measured from m. above P.D.

GRID REF. E N RL

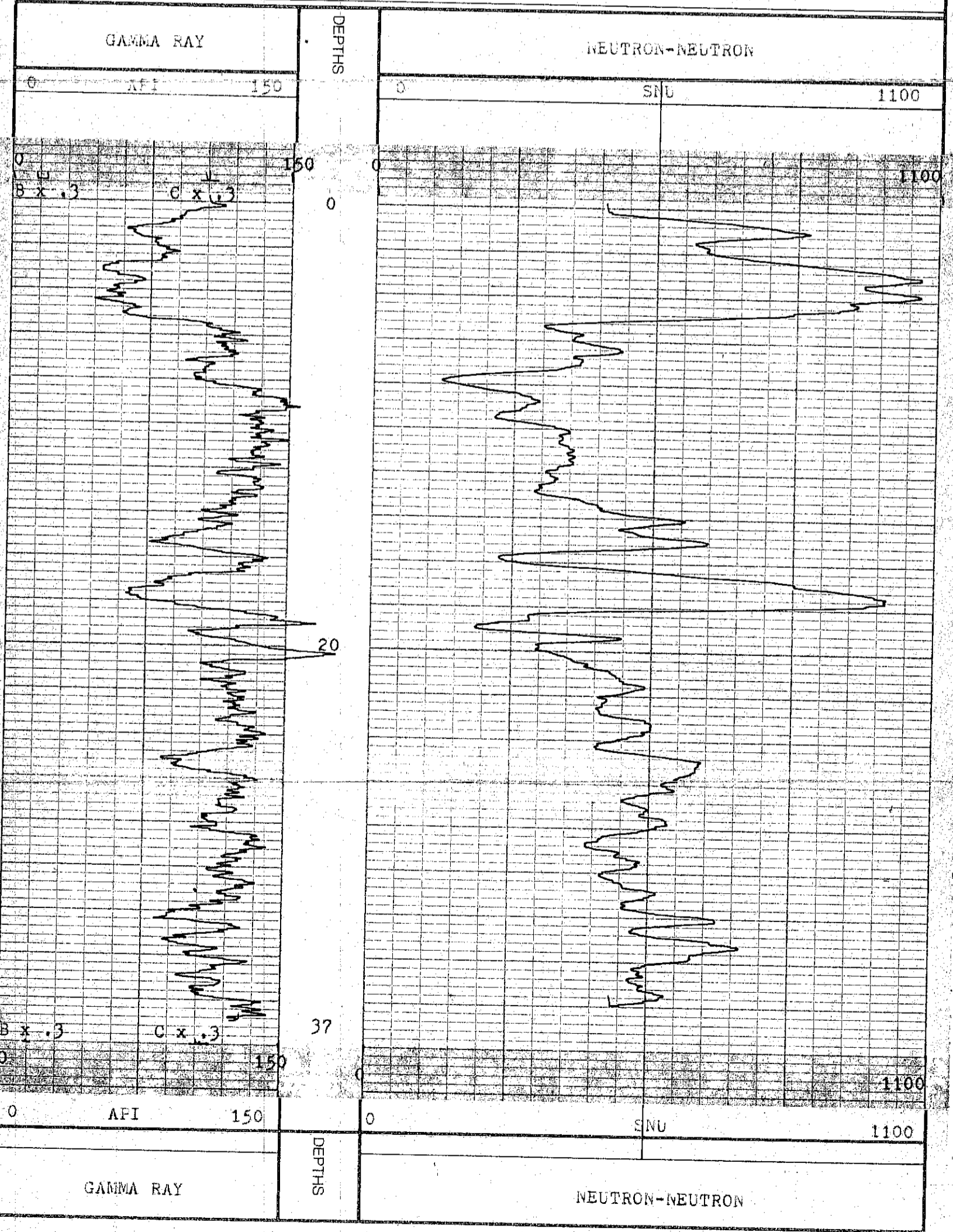
Run No. 1 Depth Scale 1:1200
 Date 30/9/70
 First Reading 37m
 Last Reading 0
 Interval Measured 37m
 Casing BPS
 Casing Driller
 Depth Reached 37.4m
 Bottom Driller 30.7m
 Mud Nature Cut-well/Quik-Proi
 SG Density
 BH Size 1.875" to 2 1/2" to to
 Casing Size 1 to to
 Rm @ Meas. Temp. @ °F
 Rmf @ Meas. Temp. @ °F
 Rmc @ Meas. Temp. @ °F
 BHT @ °F
 Operating Time 1 hr.
 Truck No. 21
 Recorded By R. Bishop
 Witness

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REMARKS

Changes in Mud Type or Additional Samples		Scale Changes			
Date	Sample No.	Type Log	Depth	Scale Up Hole	Scale Down
Depth-Driller					
Type Fluid in Hole					
Dens.	Visc.				
ph.	Fluid Loss				
Source of Sample					
Rm @ Meas. Temp.	@ °F	@ °F			
Rmf @ Meas. Temp.	@ °F	@ °F			
Rmc @ Meas. Temp.	@ °F	@ °F			
Source: Rmf	Rmc				
Rm @ BHT	@ °F	@ °F			
Rmf @ BHT	@ °F	@ °F			
Rmc @ BHT	@ °F	@ °F			
Equipment Data					
Run No.	Tool Type	Tool Position	Other		
Logging Data					
Log	Depths	Speed	T.C.	Norm.	Sonde No.
	From To				
Gamma	37 0	9	1	1.25	78
N-N	36 0	9	1	0.81	81, N2479

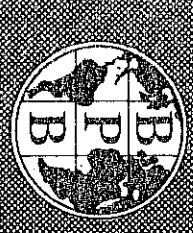
Unsafe hole - no repeat section.



COMPANY Brameda Resources
 BOREHOLE BW-12
 STATE B.C.
 COUNTRY Canada

488

Mr. Brent Rives 71(5)A



DETAIL LOGS
Gamma Ray, L.S. Density

COMPANY Brameda Resources

BOREHOLE BW-17

STATE B.C. COUNTRY Canada

Permanent Datum _____ Elev. _____ m.

Log measured from _____ Ground Level _____ m. above P.D.

Drilling measured from _____ m. above P.D.

SRID REF E _____ N _____ RL _____

Run No _____ Depth Scale 1 1:20

Date 27/9/78

First Reading _____ 12m

Last Reading _____ 4m

Interval Measured _____ 1 detail

Casing BPE _____

Casing Driller _____

Depth Reached _____

Bottom Driller _____

Mud Nature _____

SG _____ Viscosity _____

Bit Size 1 to _____

Bit Size 2 to _____

Bit Size 3 to _____

Casing Size 1 to _____

Casing Size 2 to _____

Rm @ Meas Temp _____ @ _____

Rm @ Meas Temp _____ @ _____

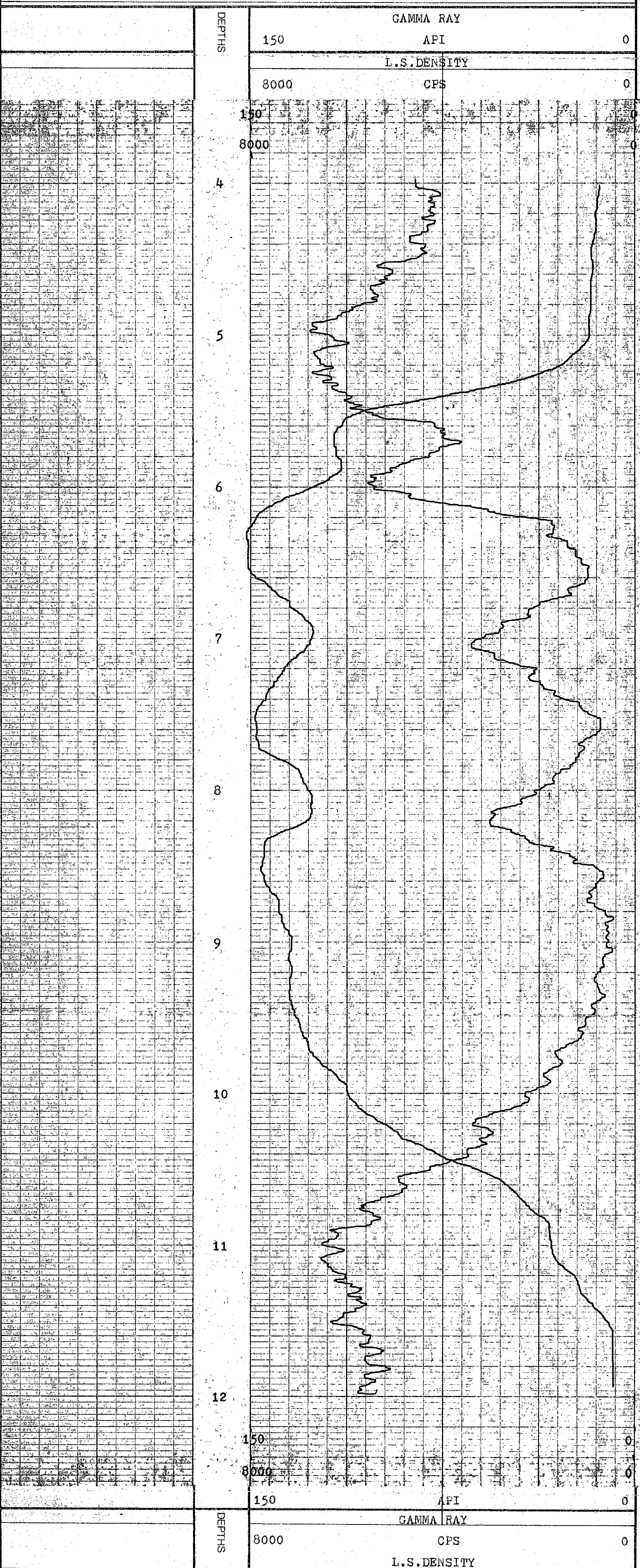
488

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REMARKS

Changes in Mud Type or Additional Samples				Scale Changes				
Date	Sample No.	Type Log	Depth	Scale Up Hole	Scale Down			
Depth-Driller								
Type Fluid in Hole								
Dens.	Visc.							
ph.	Fluid Loss	ml						
Source of Sample				Equipment Data				
Rm @ Meas Temp.	@	°F	@	°F	Run No.	Tool Type	Tool Position	Other
Rmf @ Meas Temp.	@	°F	@	°F				
Rmc @ Meas Temp.	@	°F	@	°F				
Source: Rmf	Rmc							
Rm @ BHT	@	°F	@	°F				
Rmf @ BHT	@	°F	@	°F				
Rmc @ BHT	@	°F	@	°F				

Logging Data						
Log	Depths	Speed	T.C.	Norm.	Sonde No.	Source No.
Gamma	1 det.	2	2	1.25	78	
LSD	1 det.	2	1	-	78	LSD



COMPANY Brameda Resources
 BOREHOLE BW-17
 STATE B.C.
 COUNTRY Canada



NEUTRON-NEUTRON LOG

Mc-Burns River 78 (319)

COMPANY Brameda Resources

BOREHOLE BW-17

STATE B.C. COUNTRY Canada

Permanent Datum Ground Level Elev. m.

Log measured from Ground Level m. above P.D.

Drilling measured from m. above P.D.

GRID REF. E N R.L.

Run No 1 Depth Scale 1:200

Date 27/9/78

First Reading 17m

Last Reading 0

Interval Measured 17m

Casing BPP

Casing Driller

Depth Reached

Bottom Driller REFER TO LITHOLOGY LOG

Mud Nature

SG Viscosity

Bit Size 1 to

2 to

3 to

Casing Size 1 to

2 to

Rm @ Meas Temp @

Rmf @ Meas Temp @

Rmc @ Meas Temp @

BHT

Operating Time

Truck No.

Recorded By

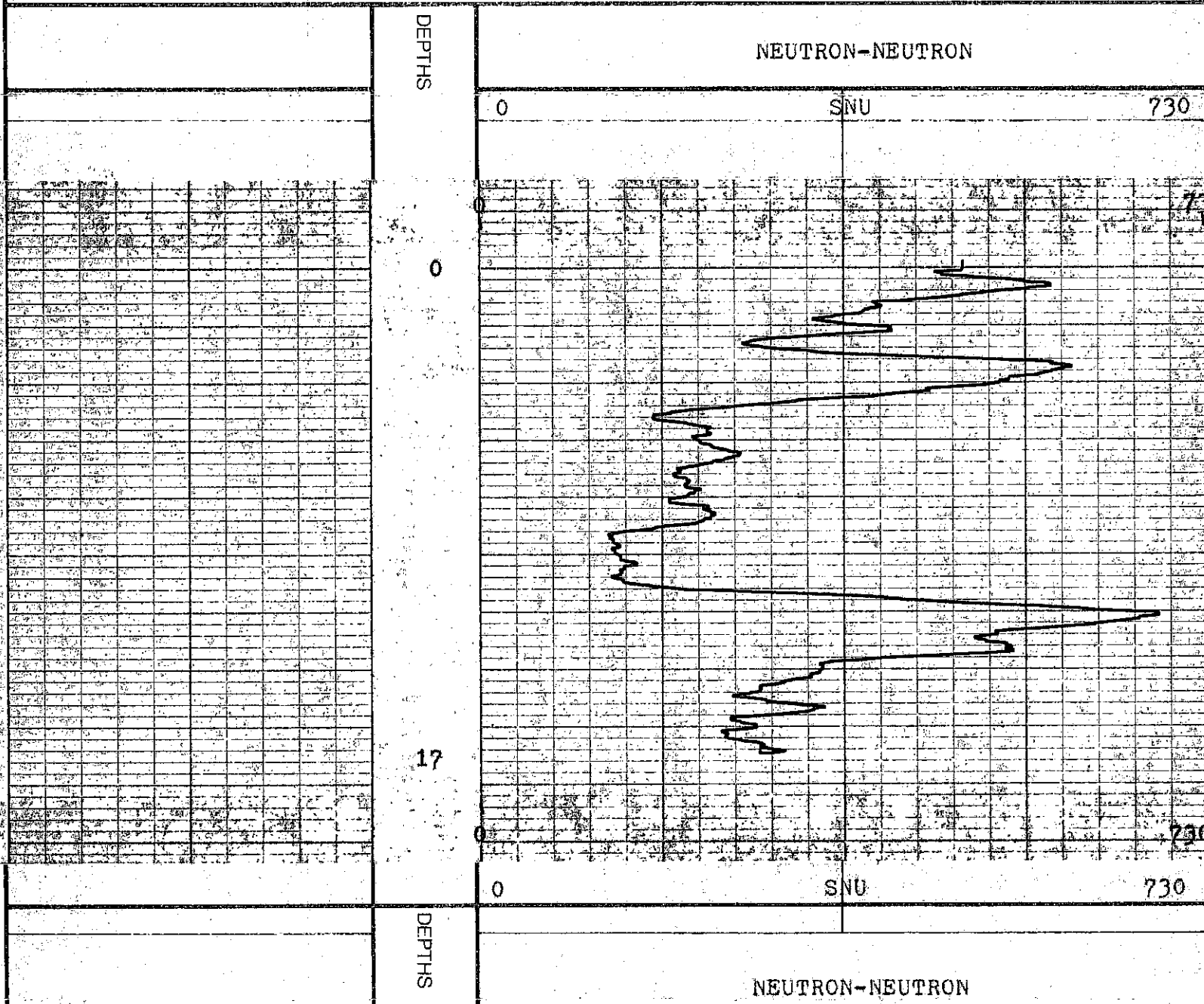
Witness

488

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REMARKS

Changes in Mud Type or Additional Samples				Scale Changes							
Date	Sample No.			Type Log	Depth	Scale Up Hole	Scale Down				
Depth - Driller											
Type Fluid in Hole											
Dens.	Visc.										
ph.	Fluid Loss	ml									
Source of Sample				Equipment Data							
Rm @ Meas. Temp.	@	°F	@	°F	Run No.	Tool Type	Tool Position	Other			
Rmf @ Meas. Temp.	@	°F	@	°F							
Rmc @ Meas. Temp.	@	°F	@	°F							
Source: Rmf	Rmc										
Rm @ BHT	@	°F	@	°F							
Rmf @ BHT	@	°F	@	°F							
Rmc @ BHT	@	°F	@	°F							
				Logging Data							
				Log	Depths	Speed	T.C.	Norm.	Sonde No.	Source No.	
					From	To					
				N-N	17	0	9	1	0.81	81	N2479



COMPANY Brameda Resources

BOREHOLE BW-17

STATE B.C.

COUNTRY Canada



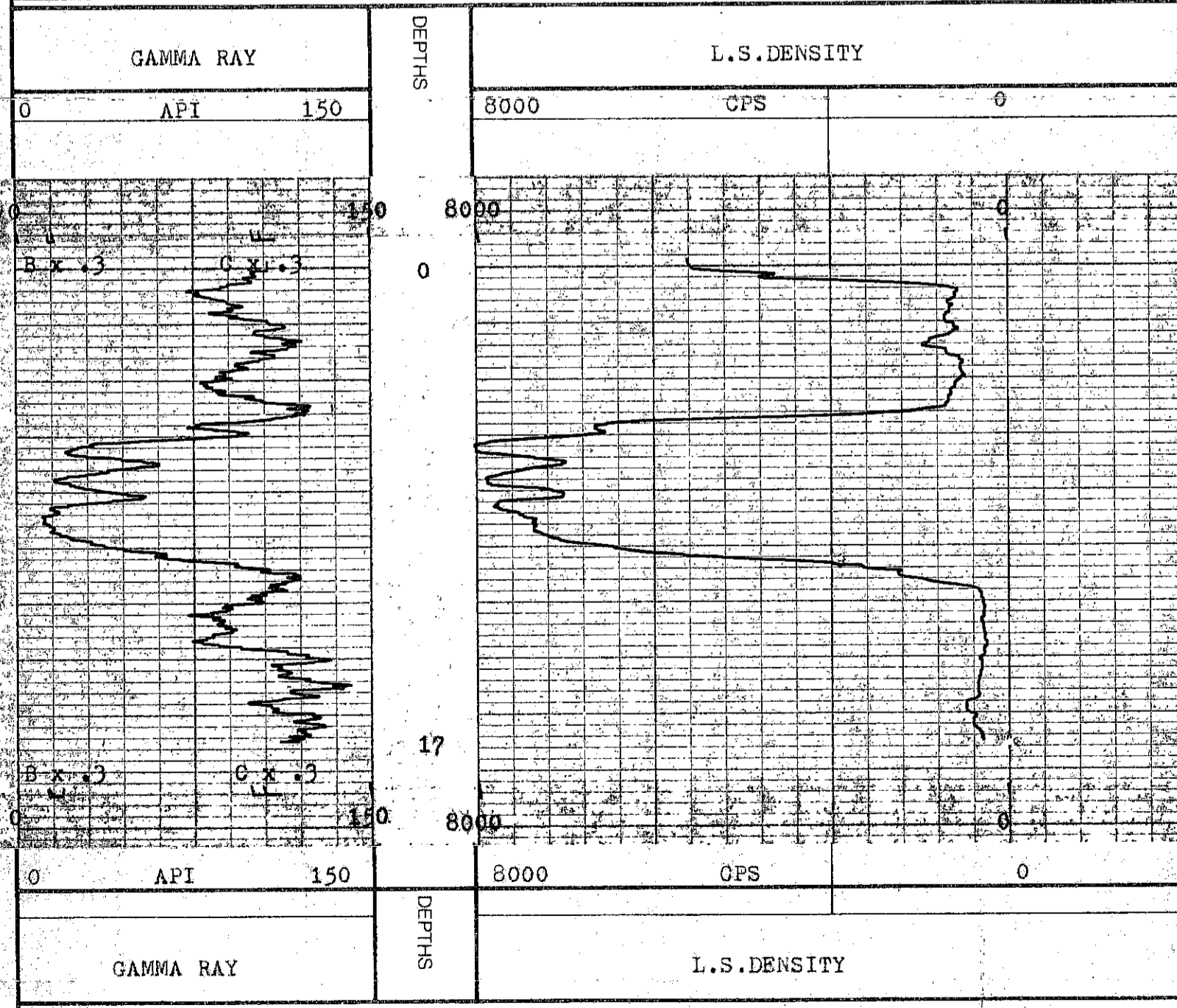
COAL LITHOLOGY LOG
Gamma Ray, I.S. Density

PH - BUENI KLICK 2/3/84

COMPANY Brameda Resources
 BOREHOLE BW-17
 STATE B.C. COUNTRY Canada
 Permanent Datum Ground Level Elev. m.
 Log measured from Ground Level m. above P.D.
 Drilling measured from m. above P.D.
 GRID REF. E N RL
 Run No. 1 Depth Scale 1:200
 Date 27/9/78
 First Reading 17m
 Last Reading 0
 Interval Measured 17m
 Casing BPP
 Casing Driller
 Depth Reached 17.5m
 Bottom Driller 18.4m
 Mud Nature Cut-Well/Quik-Trol
 SG. Viscosity
 Bit Size 1 1.875" to TD to
 2 to to
 3 to to
 Casing Size 1 to to
 2 to to
 Rm @ Meas Temp. @ @
 Rmf @ Meas Temp. @ @
 Rmc @ Meas Temp. @ @
 BHT
 Operating Time 1 hr.
 Truck No. 21
 Recorded By R. Bishop
 Witness

fold here

REMARKS				Scale Changes			
Date	Sample No.	Type Log	Depth	Scale Up Hole	Scale Down		
Changes in Mud Type or Additional Samples							
Depth-Driller							
Type Fluid in Hole							
Dens.	Visc.						
ph.	Fluid Loss	ml					
Source of Sample				Equipment Data			
Rm @ Meas.Temp.	@	°F	@	°F	Run No.	Tool Type	Tool Position
Rmf @ Meas.Temp.	@	°F	@	°F			
Rmc @ Meas.Temp.	@	°F	@	°F			
Source: Rmf	Rmc						
Rm @ BHT	@	°F	@	°F			
Rmf @ BHT	@	°F	@	°F			
Rmc @ BHT	@	°F	@	°F			
				Logging Data			
				Log	Depths	Speed	T.C.
					From	To	
				Gamma	17	0	9
				LSD	17	0	9
							1
							1.25
							78
							-
							78
							LSD



COMPANY Brameda Resources
 BOREHOLE BW-17
 STATE B.C.
 COUNTRY Canada



NEUTRON-NEUTRON LOG

Dr - Borehole RUC 78(5)A

COMPANY Brameda Resources

BOREHOLE BW-19

STATE B.C.

COUNTRY Canada

Permanent Datum Ground Level Elev. m.

Log measured from Ground Level m. above P.D.

Drilling measured from m. above P.D.

GRID REF. E N R.L.

Run No. 1 Depth Scale 1:200

Date 27/9/78

First Reading 15m

Last Reading 0

Interval Measured 15m

Casing BPP

Casing Driller

Depth Reached

Bottom Driller REFER TO LITHOLOGY LOG

Mud Nature

SG Viscosity

Bit Size 1 to

2 to

3 to

Casing Size 1 to

2 to

Rm @ Meas Temp @ °F

Rmf @ Meas Temp @ °F

Rmc @ Meas Temp @ °F

BHT

Operating Time

Truck No.

Recorded By

Witness

488

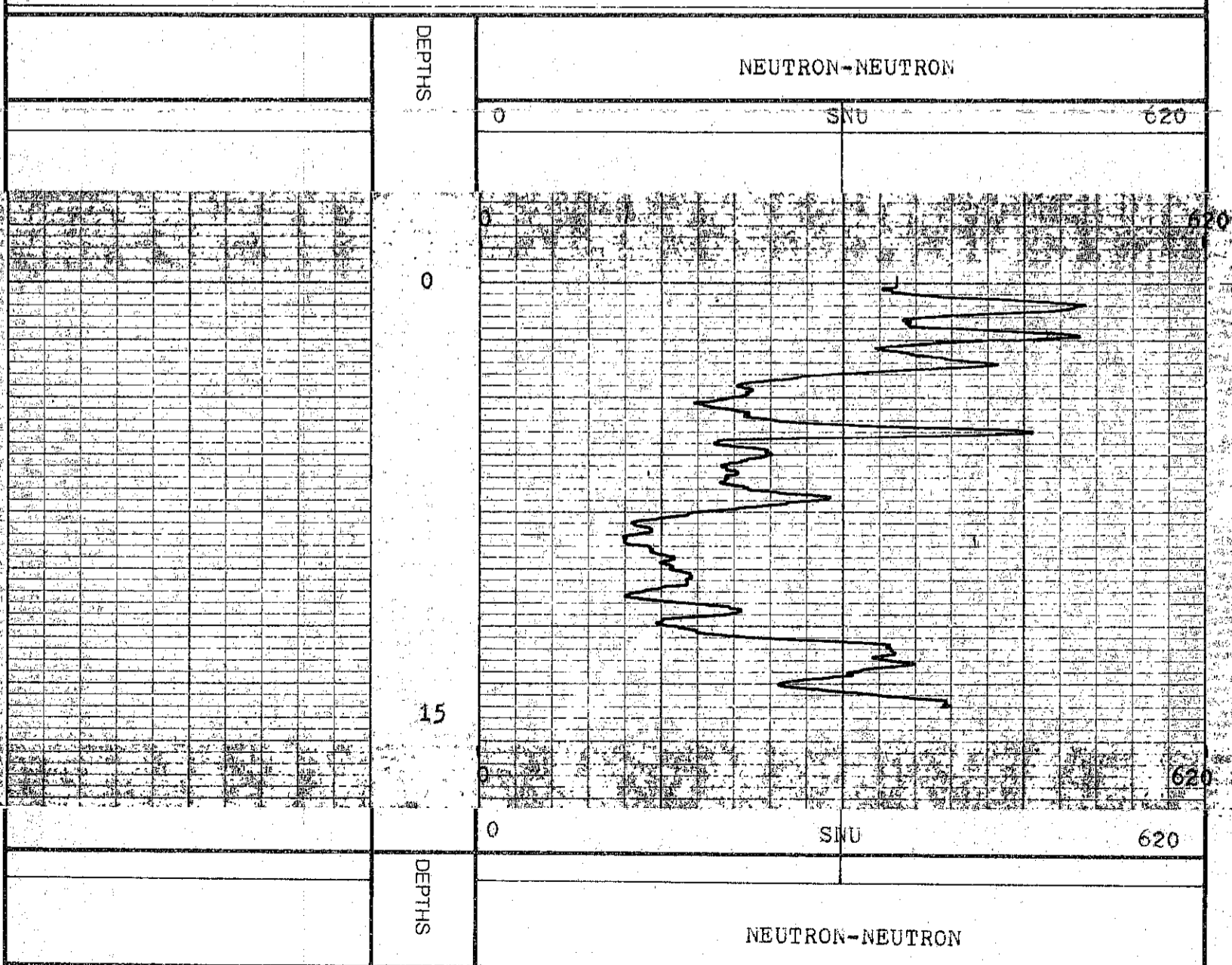
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REMARKS

Changes in Mud Type or Additional Samples			
Date	Sample No.		
Depth - Driller			
Type Fluid in Hole			
Dens.	Visc.		
ph.	Fluid Loss	ml	
Source of Sample			
Rm @ Meas. Temp.	@	°F	@
Rmf @ Meas. Temp.	@	°F	@
Rmc @ Meas. Temp.	@	°F	@
Source: Rmf	Rmc		
Rm @ BHT	@	°F	@
Rmf @ BHT	@	°F	@
Rmc @ BHT	@	°F	@

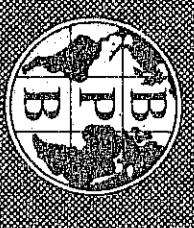
Scale Changes			
Type Log	Depth	Scale Up Hole	Scale Down
Equipment Data			
Run No.	Tool Type	Tool Position	Other

Logging Data							
Log	Depths		Speed	T.C.	Norm.	Sonde No.	Source No.
	From	To					
N-N	15	0	9	1	0.81	81	N2479



COMPANY Brameda Resources
 BOREHOLE BW-19
 STATE B.C.
 COUNTRY Canada

Pr - BURN RIVER 7/13/74



DETAIL LOG
B.R. Density

COMPANY Brameda Resources
 BOREHOLE BW-19
 STATE B.C. COUNTRY Canada
 Permanent Datum _____ Elev. _____ m.
 Log measured from _____ Ground Level _____ m. above P.D.
 Drilling measured from _____ m. above P.D.

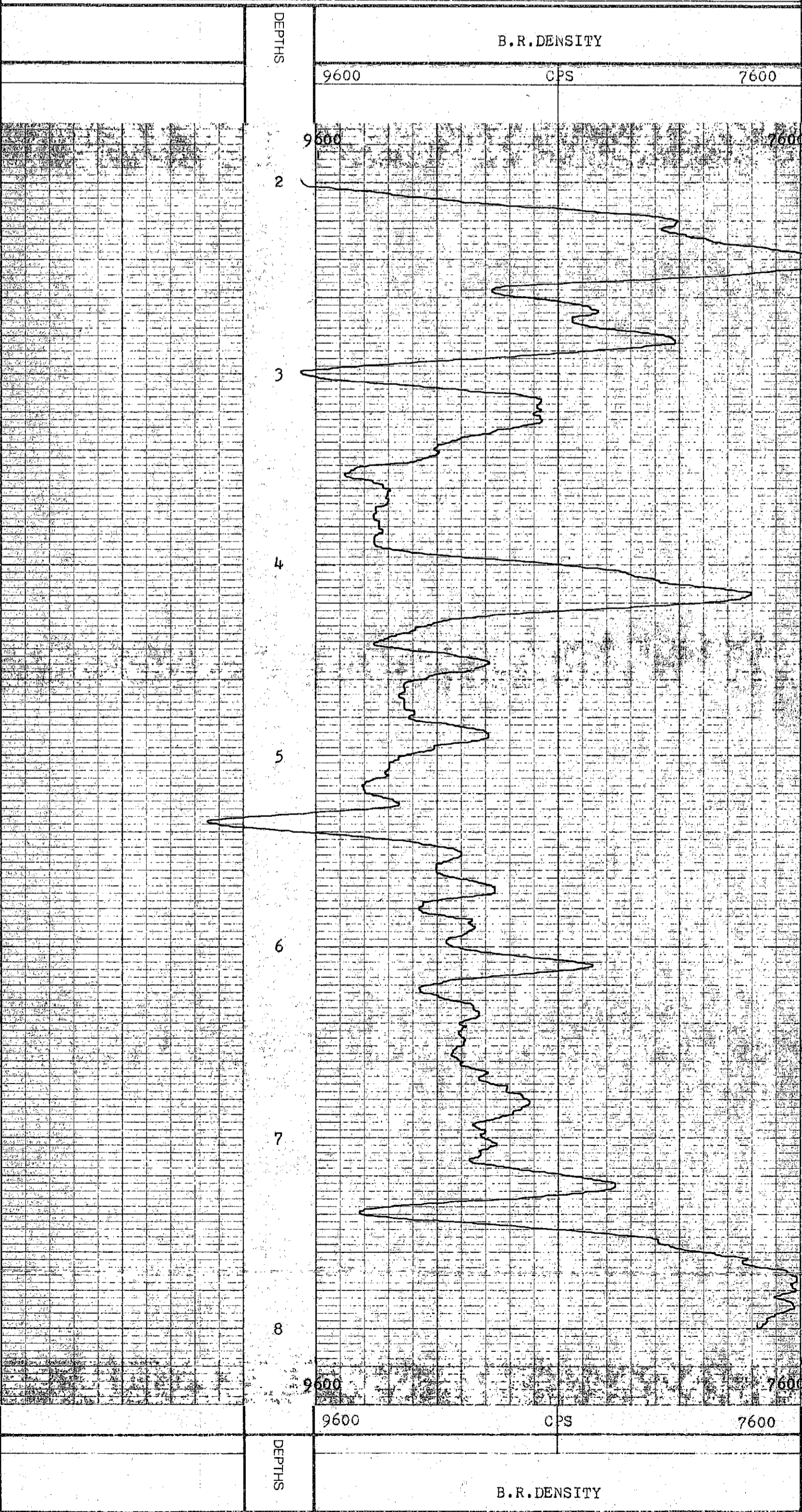
GRID REF. E _____ N _____ RL _____

Run No. 1 Depth Scale 1:20
 Date 27/9/78
 First Reading 8m
 Last Reading 2m
 Interval measured 1 detail
 Casing RPB _____
 Casing Driller _____
 Depth Reached _____
 Bottom Driller _____
 Mud Nature _____
 SG _____ Viscosity _____
 Bit Size 1 to _____ to _____
2 to _____ to _____
3 to _____ to _____
 Casing Size 1 to _____ to _____
2 to _____ to _____
 Rm @ Meas Temp _____ @ _____ @ _____
 Rmf @ Meas Temp _____ @ _____ @ _____
 Rmc @ Meas Temp _____ @ _____ @ _____
 BHT _____
 Operating Time _____
 Truck No _____
 Recorded By _____
 Witness _____

488

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REMARKS				Scale Changes			
Date	Sample No.	Type Log	Depth	Scale Up Hole	Scale Down		
Changes in Mud Type or Additional Samples							
Depth - Driller							
Type Fluid in Hole							
Dens.	Visc.						
ph.	Fluid Loss	ml					
Source of Sample				Equipment Data			
Rm @ Meas. Temp.	@	°F	@	°F	Run No.	Tool Type	Tool Position
Rmf @ Meas. Temp.	@	°F	@	°F			Other
Rmc @ Meas. Temp.	@	°F	@	°F			
Source: Rmf		Rmc					
Rm @ BHT	@	°F	@	°F			
Rmf @ BHT	@	°F	@	°F			
Rmc @ BHT	@	°F	@	°F			
				Logging Data			
		Log	Depths	Speed	T.C.	Nor m.	Sonde No.
			From To				
		BRD	1 det.	2	1	-	78



COMPANY Brameda Resources
 BOREHOLE BW-19
 STATE B.C.
 COUNTRY Canada



COAL LITHOLOGY LOG
Gamma Ray, I.S. Density

Mr. BUENT River 78 (3) A.

COMPANY Brameda Resources

BOREHOLE BW-19

STATE B.C. COUNTRY Canada

Permanent Datum Ground Level Elev. m.
Log measured from Ground Level m. above P.D.
Drilling measured from m. above P.D.

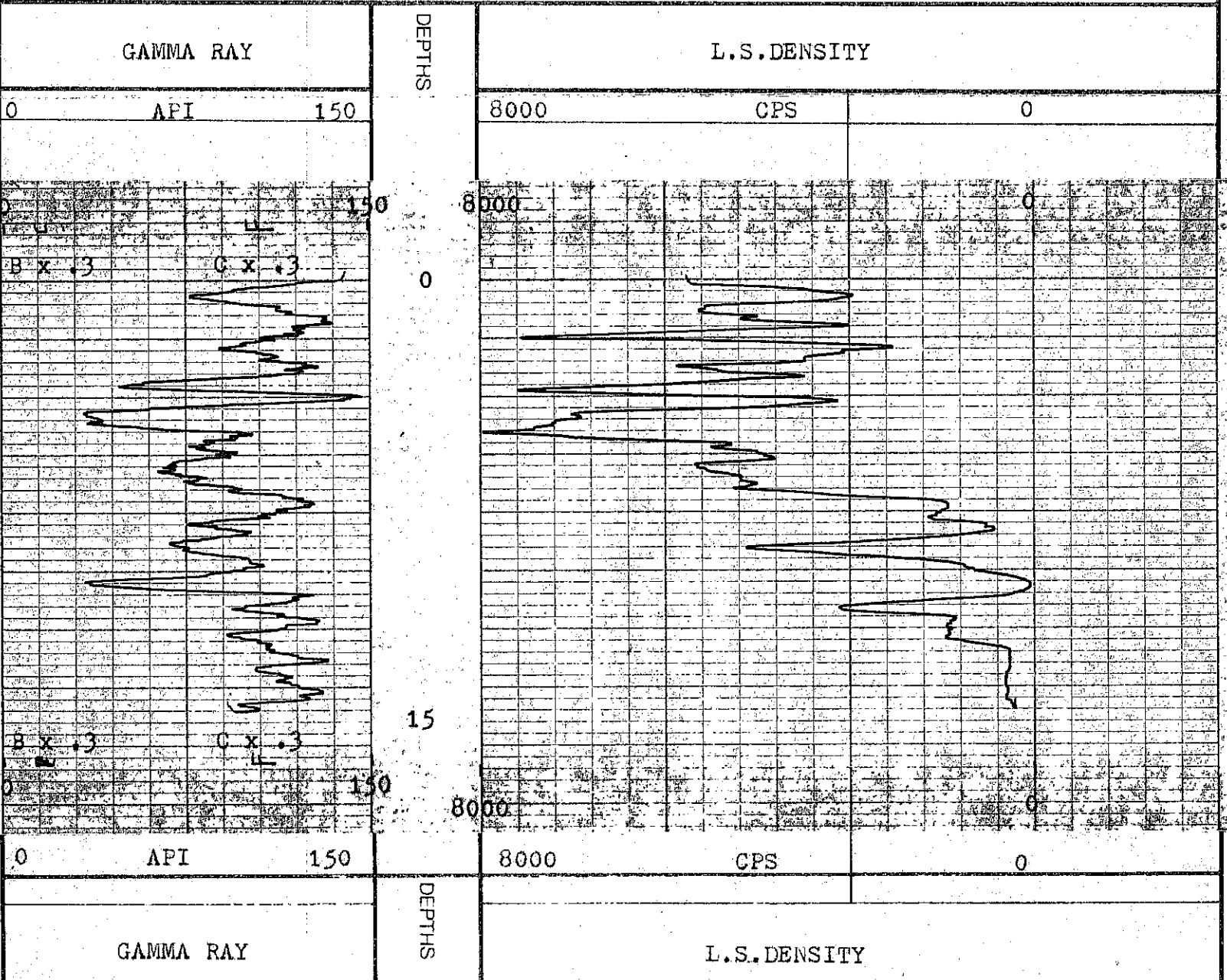
GRID REF. E N RL

Run No	1	Depth Scale	1:200
Date	27/9/78		
First Reading	1.5m		
Last Reading	0		
Interval Measured	1.5m		
Casing BPP	-		
Casing Driller	-		
Depth Reached	15.2m		
Bottom Driller	24.1m		
Mud Nature	Cut-Well/Quik-Trol		
SO. Viscosity	1.875 ^{ml} TD		
Bit Size	1	to	to
	2	to	to
	3	to	to
Casing Size	1	to	to
	2	to	to
Rm @ Meas Temp.	@	@	@
Rmf @ Meas Temp.	@	@	@
Rmc @ Meas Temp.	@	@	@
BHT	1 hr.		
Operating Time	21		
Truck No.	R. Bishop		
Recorded By			
Witness			

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REMARKS

Changes in Mud Type or Additional Samples				Scale Changes					
Date	Sample No.	Type Log	Depth	Scale Up Hole	Scale Down				
Depth-Driller									
Type Fluid in Hole									
Dens.	Visc.								
ph.	Fluid Loss	ml							
Source of Sample				Equipment Data					
Rm @ Meas Temp.	@	°F	Run No.	Tool Type	Tool Position	Other			
Rmf @ Meas Temp.	@	°F							
Rmc @ Meas Temp.	@	°F							
Source: Rmf	Rmc								
Rm @ BHT	@	°F							
Rmf @ BHT	@	°F							
Rmc @ BHT	@	°F							
				Logging Data					
			Log	Depths	Speed	T.C.	Norm.	Sonde No.	Source No.
				From	To				
			Gamma	15	0	9	1	1.25	78
			LSD	15	0	9	1/3	-	78 LSD



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COUNTRY Canada