

Mr. Bryant River 78(3)A.



COAL LITHOLOGY LOG
Gamma Ray, L.S. Density

COMPANY Brameda Resources
BOREHOLE BW-20
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 _____ R.L. _____

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 15.4m

Bottom Driller 16.5m

Mud Nature Cut-Well/Quik-Trol

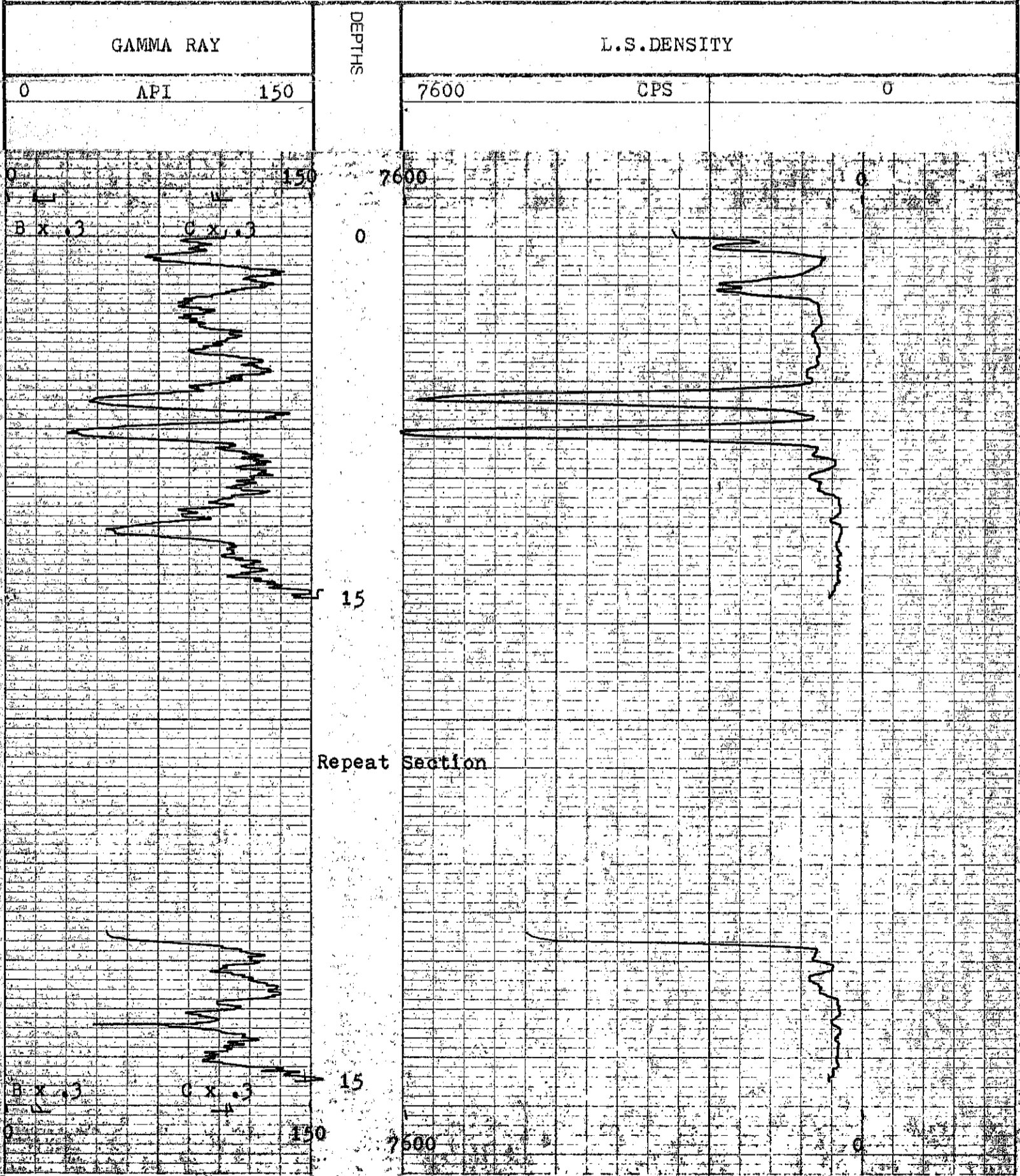
SG Viscosity _____
Bit Size 1 1.875" to TD
2 _____ to _____ to _____
3 _____ to _____ to _____
Casing Size 1 _____ to _____ to _____
2 _____ to _____ to _____
Rm @ Meas Temp _____ @ _____ @ _____
Rmf @ Meas Temp _____ @ _____ @ _____
Rmc @ Meas Temp _____ @ _____ @ _____
BHT _____
Operating Time 1 1/2 hrs.
Truck No 21
Recorded By R. Bishop
Witness _____

488

Told here

REMARKS

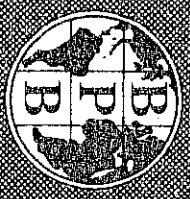
Changes in Mud Type or Additional Samples				Scale Changes							
Date	Sample No.			Type Log	Depth	Scale Up Hole	Scale Down				
Depth - Driller											
Type Fluid in Hole											
Dens. ph.	Visc.	Fluid Loss	ml								
Source of Sample				Equipment Data							
Rm @ Meas. Temp.	@	°F	@	°F	Run No.	Tool 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					
				Gamma	15	0	9	1	1.25	78	
				LSD	15	0	9	1/3	-	78	LSD



GAMMA RAY DEPTHS
0 API 150
7600 CPS 0

COMPANY Brameda Resources
BOREHOLE BW-20
STATE B.C.
COUNTRY Canada

12- Bient River 28(3)A.



NEUTRON-NEUTRON LOG

COMPANY Brameda Resources

BOREHOLE BW-20

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 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 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

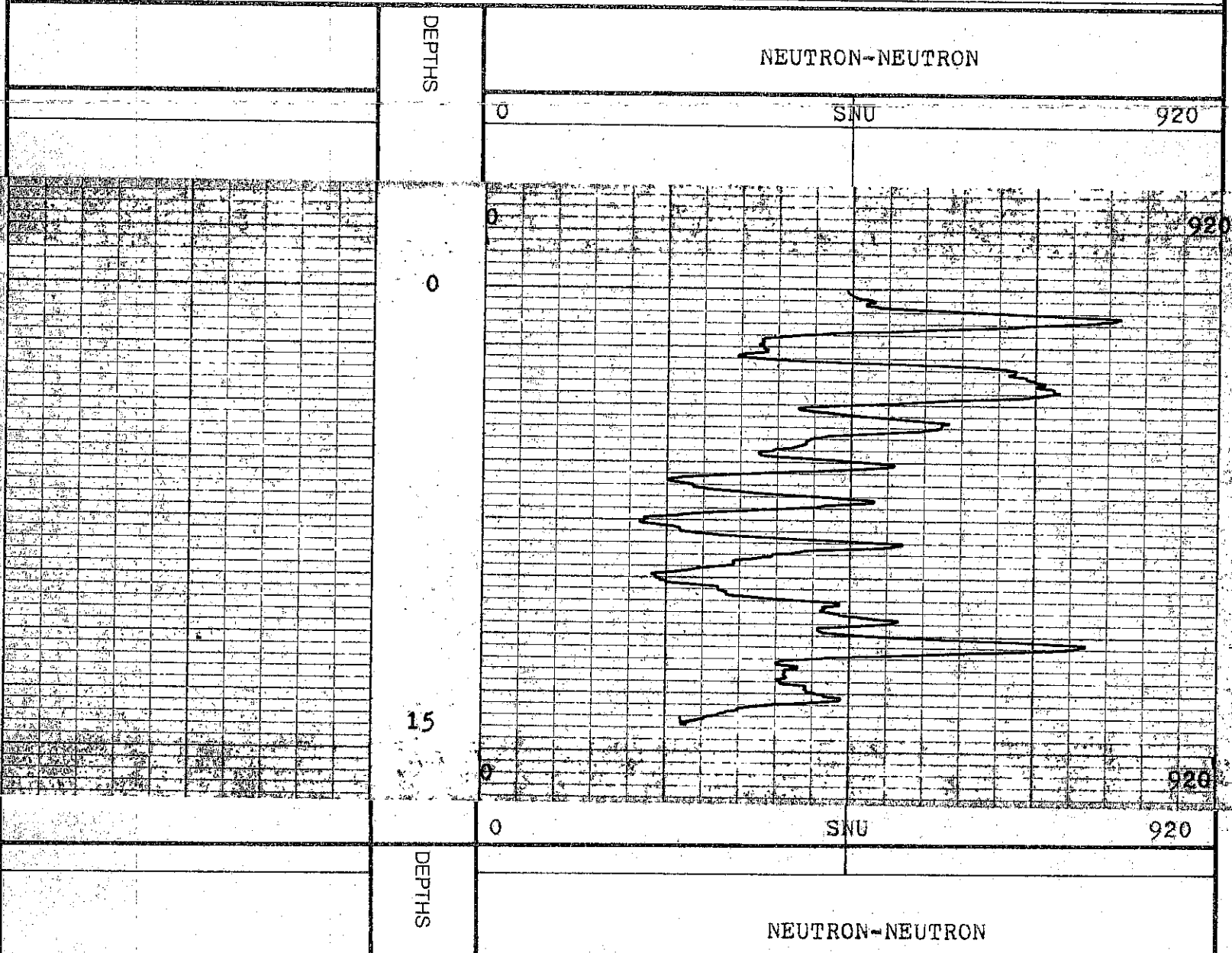
Witness

488

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	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	15	0	9	1	0.81	81	N2479



COMPANY Brameda Resources

BOREHOLE BW-20

STATE B.C.

COUNTRY Canada



DETAIL LOG
B.R. Density

1R - BUREAU KUSA 2113A

COMPANY Brameda Resources

BOREHOLE BW-20

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 1:20

Date 27/9/78

First Reading 10m

Last Reading 0

Interval Measured 1 detail

Casing BPP

Casing Driller

Depth Reached

Bottom Driller

Mud Nature REFER TO LITHOLOGY LOG

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 @

BHT @

Operating Time

Tuck No

Recorded By

Witness

488

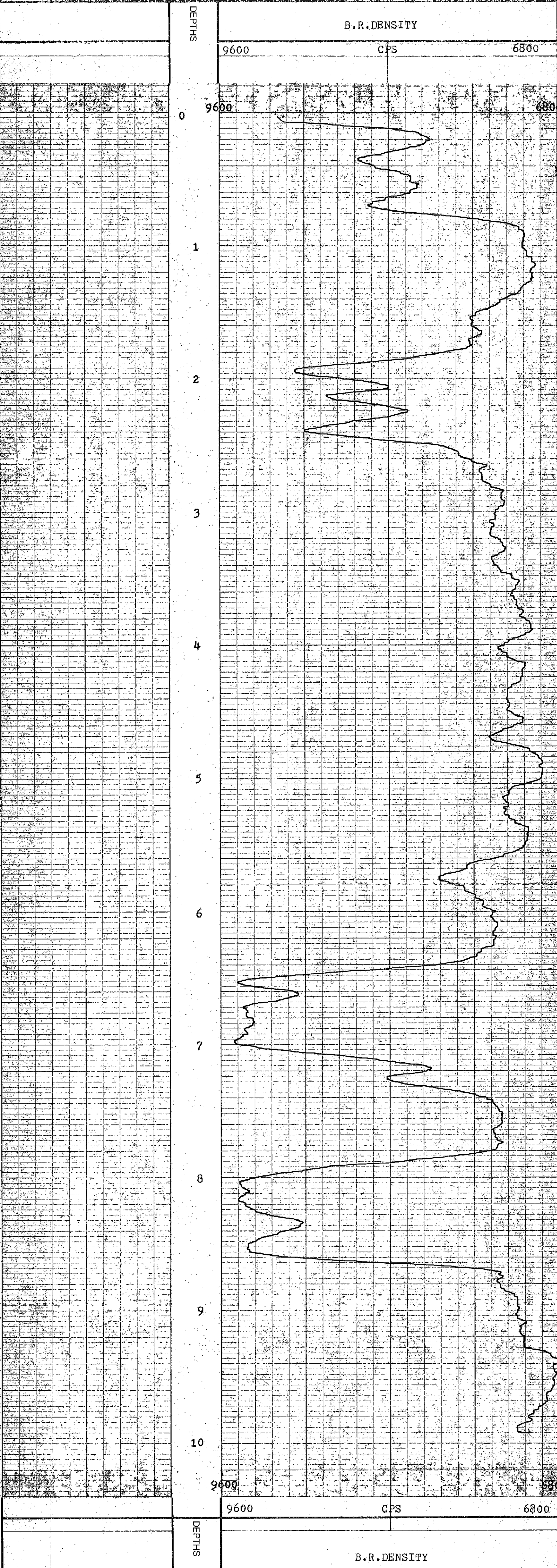
fold here

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	@

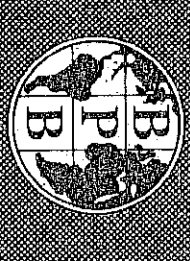
Scale Changes			
Type Log	Depth	Scale Up Hole	Scale Down
Equipment Data			
Run No.	Tool Type	Tool Position	Other

Logging Data							
Log	Depths		Speed	T.C.	Norm.	Sonde No.	Source No.
	From	To					
BRD	1 det.	2	1	-	78	BRD	



COMPANY Brameda Resources
 BOREHOLE BW-20
 STATE B.C.
 COUNTRY Canada

Per Bureau Lines 78(13)A



DETAIL LOGS
Gamma Ray, L.S. Density

COMPANY Brameda Resources
BOREHOLE BW-20
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 _____ R.L. _____

Run No. 1 Depth/Scale 1:20
Date 22/9/78
First Reading 10m
Last Reading 0
Interval Measured 1 detail
Casing BPP _____
Casing Driller _____
Depth Reached _____
Bottom Driller _____
Mud Nature _____
S.G. _____ Viscosity _____

Bl. 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

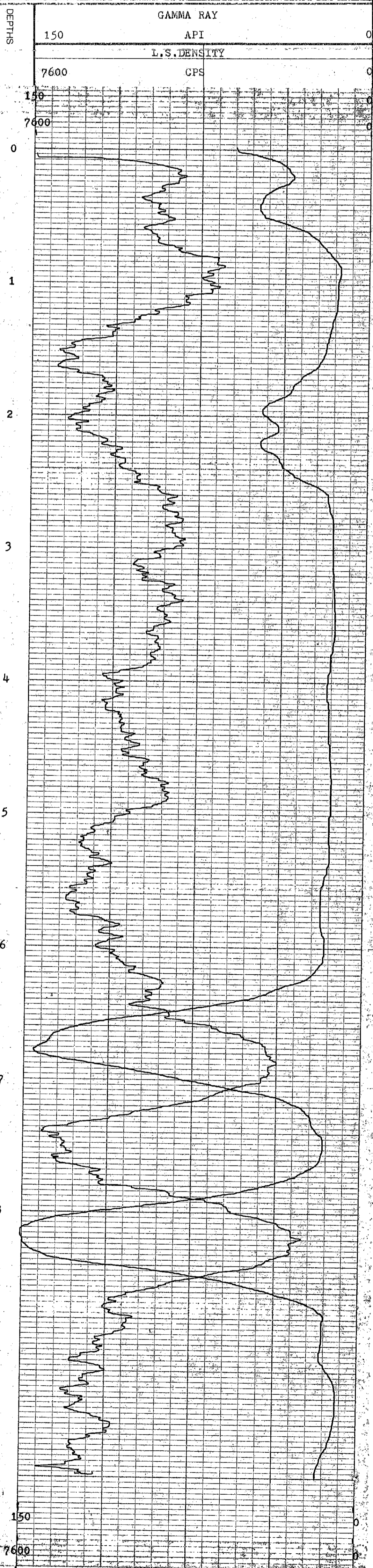
fold here

REMARKS

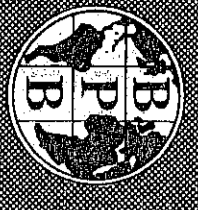
Changes in Mud Type or Additional Samples		Scale Changes			
Date	Sample No.	Type Log	Depth	Scale Up Hole	Scale Down
Depth - Driller:					
Type Fluid in Hole					
Dens.	Visc.				
ph.	Fluid Loss	ml			
Source of Sample					
Rm @ Meas. Temp.	@	@	@	@	@
Rmf @ Meas. Temp.	@	@	@	@	@
Rmc @ Meas. Temp.	@	@	@	@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

Equipment Data						
Run No.	Tool Type	Tool Position	Other			

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



DEPTHS 150 7600
DEPTHS 150 7600
COMPANY Brameda Resources
BOREHOLE BW-20
STATE B.C.
COUNTRY Canada



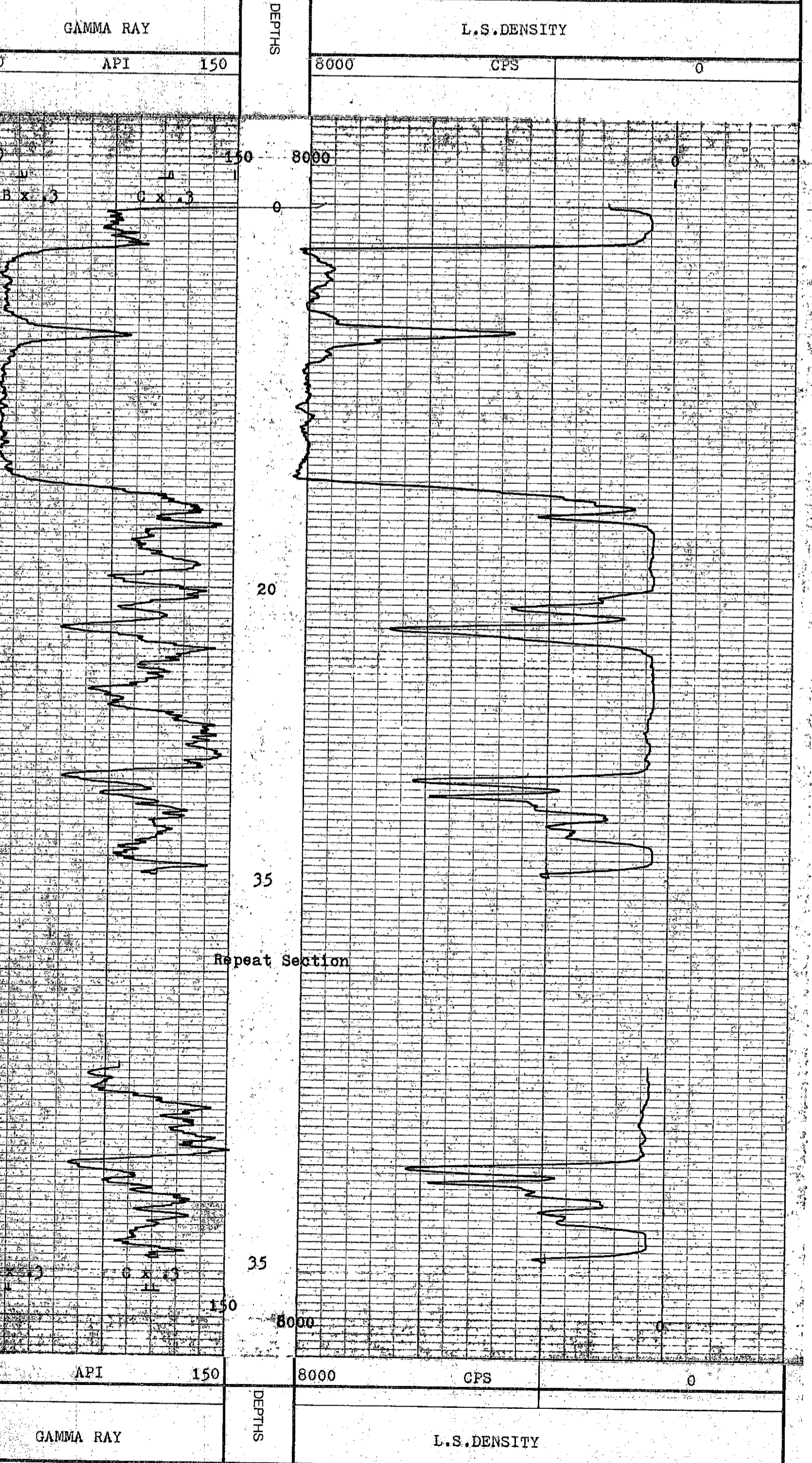
COAL LITHOLOGY LOG
Gamma Ray & L.S. Density

12. BUREAU QUERE 7(3)4.

COMPANY	Brameda Resources	Permanent Datum	Ground Level	Elev. _____ m.
BOREHOLE	BW-22	Log measured from	Ground Level	m. above P.D.
STATE	B.C.	Drilling measured from	Ground Level	m. above P.D.
COUNTRY	Canada			
Run No.	1	Depth Scale	1:200	
Date	26/9/78	First Reading	35m	
Last Reading	0	Interval Measured	35m	
Casing BPP		Casing Driller	5ft.	
Depth Reached	35.66m	Bottom Driller	35.66m	
Mud Nature	Quik-Gel			
SG	Viscosity			
Bit Size	1 7/8" to TD			
Casing Size	2" to 5ft.			
Rm @ Meas Temp.	@			
Rml @ Meas Temp.	@			
Rmc @ Meas Temp.	@			
BHT				
Operating Time	13 1/4 hrs.			
Truck No.	V23/21			
Recorded By	R. Bishop			
Witness				

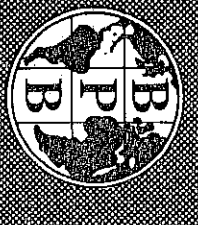
fold here

REMARKS		Scale Changes	
Date	Sample No.	Type Log	Depth
Depth-Driller		Scale Up Hole	Scale Down
Type Fluid in Hole			
Dens.	Visc.		
ph.	Fluid Loss		ml
Source of Sample		Equipment Data	
Rm @ Meas. Temp.	@ °F	Run No.	Tool Type
Rmf @ Meas. Temp.	@ °F		Tool Position
Rmc @ Meas. Temp.	@ °F		Other
Source: Rmf	Rmc		
Rm @ BHT	@ °F		
Rmf @ BHT	@ °F		
Rmc @ BHT	@ °F		
Logging Data			
Log	Depths	Speed	T.C.
	From To		Norm.
Gamma	35 0	9	1
L.S.D.	35 0	9	1/3
			78
			78 LSD



COMPANY	Brameda Resources
BOREHOLE	BW-22
STATE	B.C.
COUNTRY	Canada

488



NEUTRON-NEUTRON LOG

12 - BUREAU LIVER 28 (3)A

COMPANY Brameda Resources
 BOREHOLE BW-22
 STATE B.C. COUNTRY Canada
 Permanent Datum _____ Ground Level _____ Elev. _____ m.
 Log measured from _____ Ground Level _____ m. above P.D.
 Drilling measured from _____ Ground Level _____ m. above P.D.

GRID REF E _____ N _____ R.L. _____

Run No. 1 Depth Scale 1:200
 Date 26/9/78
 First Reading 3.5m
 Last Reading 0
 Interval Measured 3.5m
 Casing BPB _____
 Casing Driller 5ft.
 Depth Reached 35.6m
 Bottom Driller _____
 Mud Nature Quik-Gel
 S.G. _____ Viscosity _____

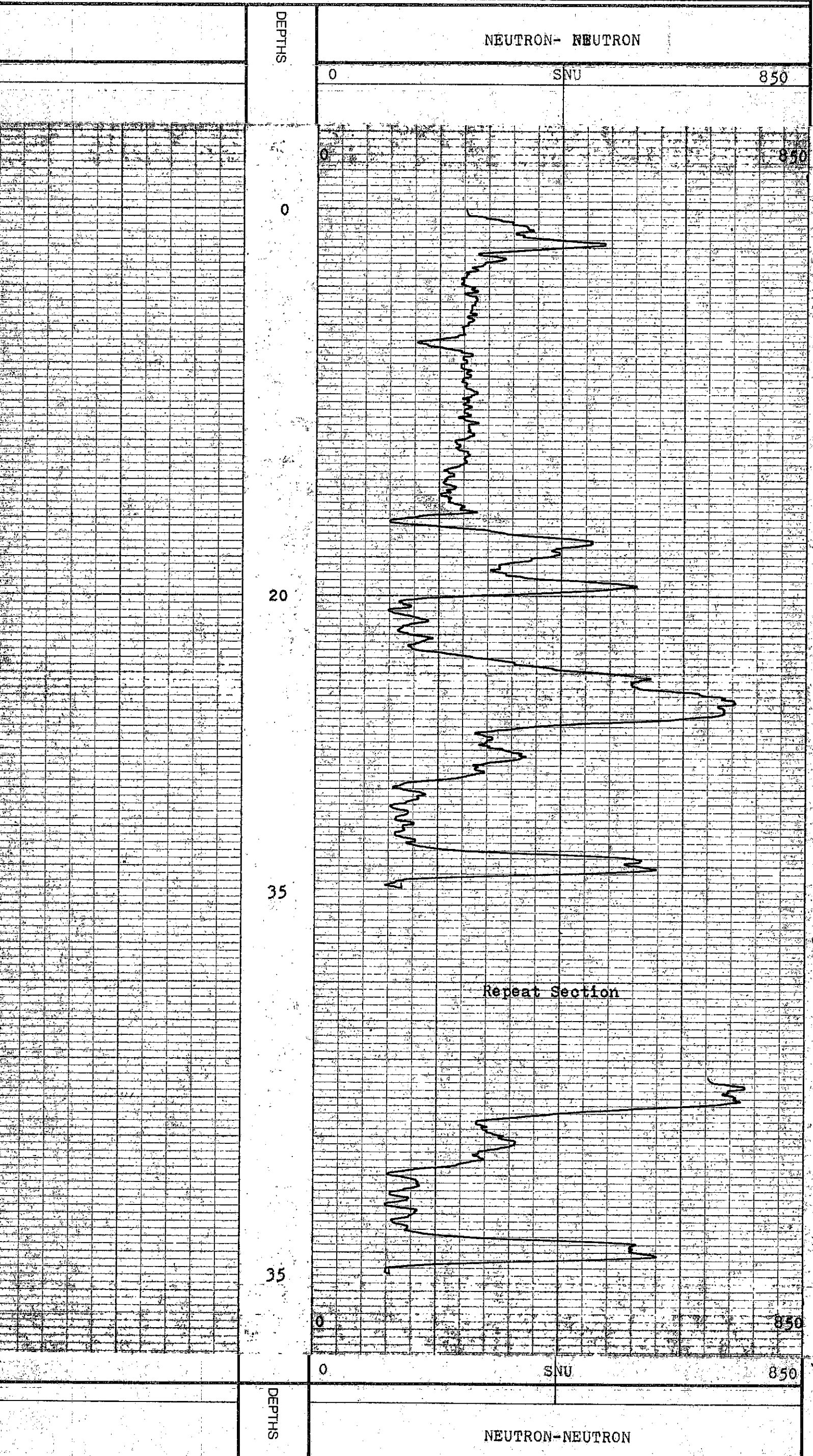
Bit Size 1 1 7/8" to PD to _____
 2 _____ to _____
 3 _____ to _____
 Casing Size 1 2" to 5ft. to _____
 2 _____ to _____
 Rm @ Meas Temp. _____ @ _____
 Rmi @ Meas Temp. _____ @ _____
 Rmc @ Meas Temp. _____ @ _____
 BHT _____

Operating Time 1.75 hrs.
 Track No. V23/21
 Recorded By R. Bishop
 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	Run No.	Tool Type	Tool Position	Other
Rmi @ Meas. Temp.	@ _____ °F				
Rmc @ Meas. Temp.	@ _____ °F				
Source: Rmi	Rmc				
Rm @ BHT	@ _____ °F				
Rmi @ BHT	@ _____ °F				
Rmc @ BHT	@ _____ °F				
Logging Data					
Log	Depths	Speed	T.C.	Nor m.	Sonde No.
	From To				
N-N	35 0	9	1	0.81	81 N2479



COMPANY Brameda Resources
 BOREHOLE BW-22
 STATE B.C.
 COUNTRY Canada

488

See Sheet Kuesse 21 (3) A.



DETAILED LOG
Gamma Ray, L.S. Density

COMPANY Brameda Resources

BOREHOLE BW-22

STATE B.C. COUNTRY Canada

Permanent Datum Ground Level Elev. m.

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

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

GRID REF. E N RL

Run No. 1 Depth Scale 1:20

Date 26/9/78

First Reading 17m

Last Reading 2m

Interval Measured 15m

Casing Spgs

Casing Driller

Depth Recorded

Bottom Driller

Mud Name

SG Viscosity

Bit Size 1 to to

Casing Size 3 to to

Run @ Meas Temp 2 to to

Run @ Meas Temp 2 to to

Run @ Meas Temp 2 to to

Run @ Meas Temp 2 to to

Run @ Meas Temp 2 to to

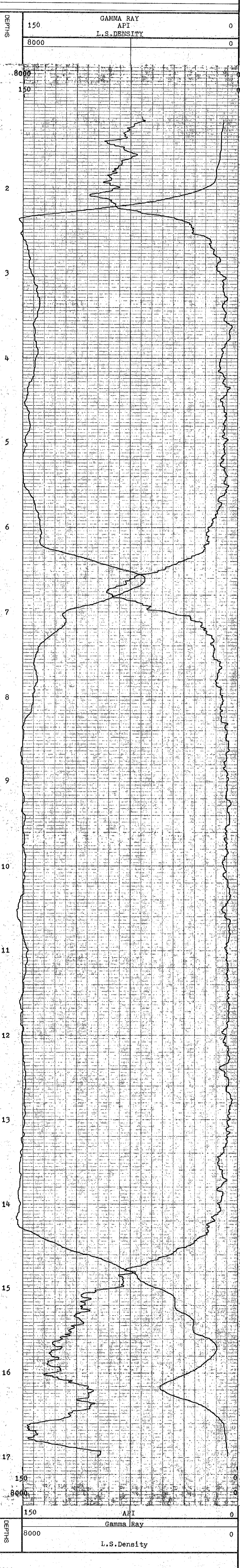
488

fold here

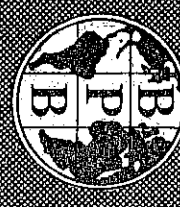
REMARKS

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		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.	Norm.	Sonde No.	Source No.
	From	To					
Gamma	17	2	2	2	1.25	78	
LSD	17	2	2	1	-	78	LSD



COMPANY Brameda Resources
 BOREHOLE BW-22
 STATE B.C.
 COUNTRY Canada



DETAIL LOG
B.R. Density

12 - Sweet River 2131A

COMPANY Brameda Resources
BOREHOLE BW-22
STATE B.C. COUNTRY Canada

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

GRID REF. E. N R.L.
Run No. 1 Depth Scale 1:20

Date 26/9/78
First Reading 17m
Last Reading 2m
Interval Measured 15m
Casing BPS
Casing Driller
Depth Reached

Bottom Driller
Mud Nature
S.G. Viscosity

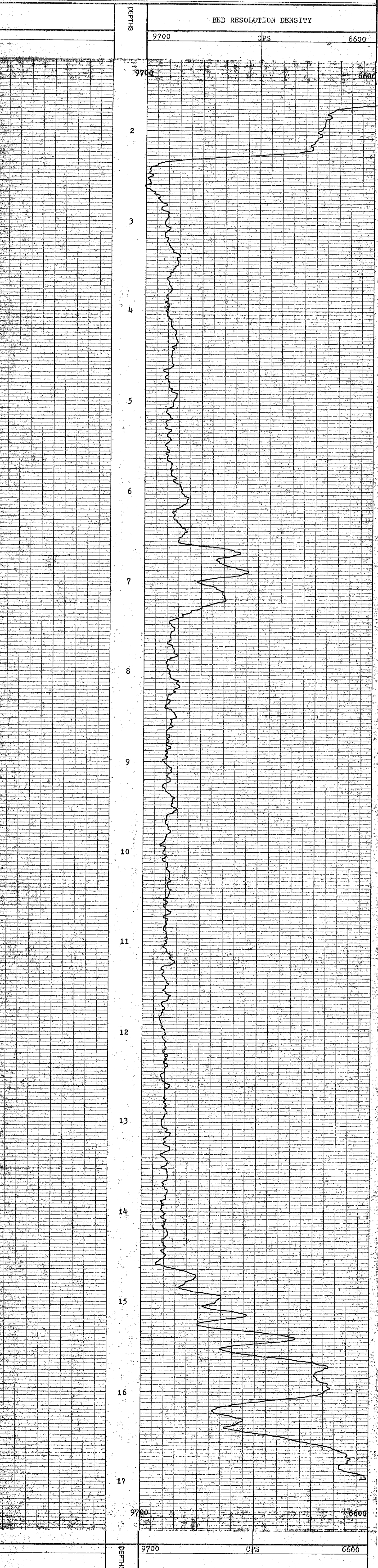
BIT Size 1 to 10
2 to 10
3 to 10
Casing Size 1 to 10
2 to 10
Rm @ Meas Temp @ @ @
Rmf @ Meas Temp @ @ @
Rmc @ Meas Temp @ @ @
Source: Rmf Rmc
Rm @ BHT @ @ @
Rmf @ BHT @ @ @
Rmc @ BHT @ @ @
Operating Time
Truck No.
Recorded By
Witness

488

told here

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. ph.	Visc.	ml			
Source of Sample		Equipment Data			
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	
Logging Data					
Log	Depths	Speed	T.C.	Norm.	Sonde No. Source No.
	From To				
BRD	17 2	2	1	-	78 BRD



COMPANY Brameda Resources
BOREHOLE BW-22
STATE B.C. COUNTRY Canada

NY 10 35350 1



DETAIL LOGS

Gamma Ray, L.S. Density

12- BENT KUEE 71 (3) 4.

COMPANY Brameda Resources

BOREHOLE BW-26

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 PL

Run No. 1 Depth Scale 1:20

Date 1/11/78

First Reading 22m

Last Reading 10m

Interval Measured 1 detail

Casing BPS

Casing Driller

Depth Reached

Bottom Driller

Mud Nature REFER TO LITHOLOGY LOG

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

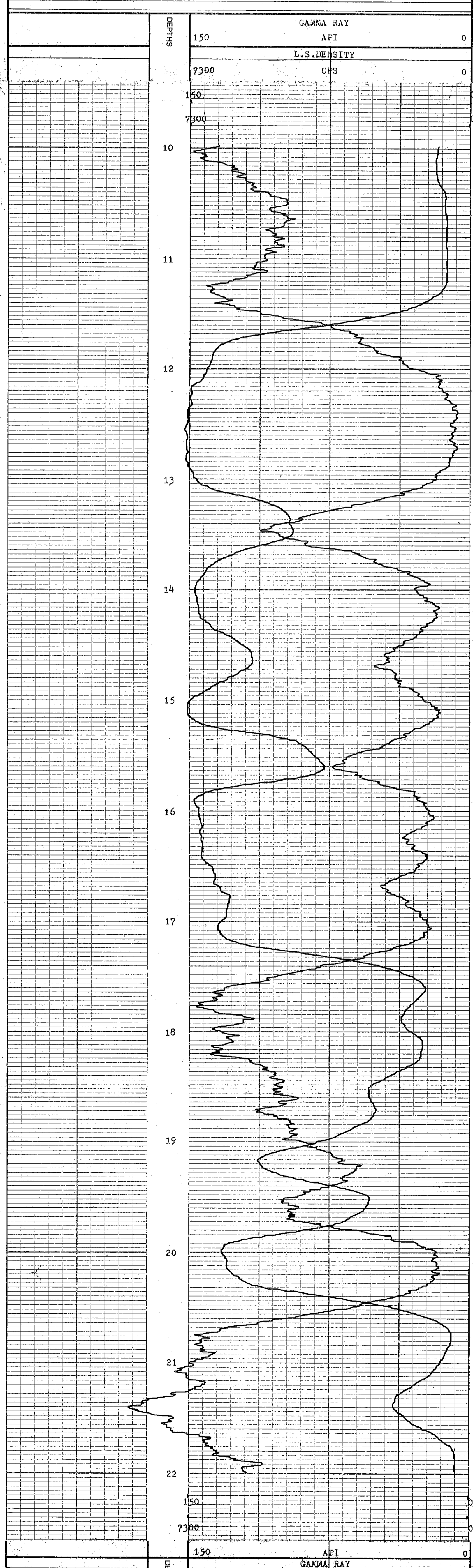
Track No. 488

fold here

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	ml			
Source of Sample		Equipment Data			
Rm @ Meas. Temp	@	Run No.	Tool Type	Tool Position	Other
Rmf @ Meas. Temp	@				
Rmc @ Meas. Temp	@				
Source: Rmf					
Rm @ BHT	@				
Rmf @ BHT	@				
Rmc @ BHT	@				

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



COMPANY Brameda Resources
 BOREHOLE BW-26
 STATE B.C.
 COUNTRY Canada



DETAIL LOG
B.R. Density

12-BUENOS AIRES 2 (13)A

COMPANY Brameda Resources
 BOREHOLE BW-26 COUNTRY Canada
 STATE B.C.
 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 1:20
 Date 1/11/78
 First Reading 22m
 Last Reading 10m
 Interval Measured 1 detail
 Casing 9PB
 Casing Driller
 Depth Reached
 Bottom Driller
 Mud Nature REFER TO LITHOLOGY LOG

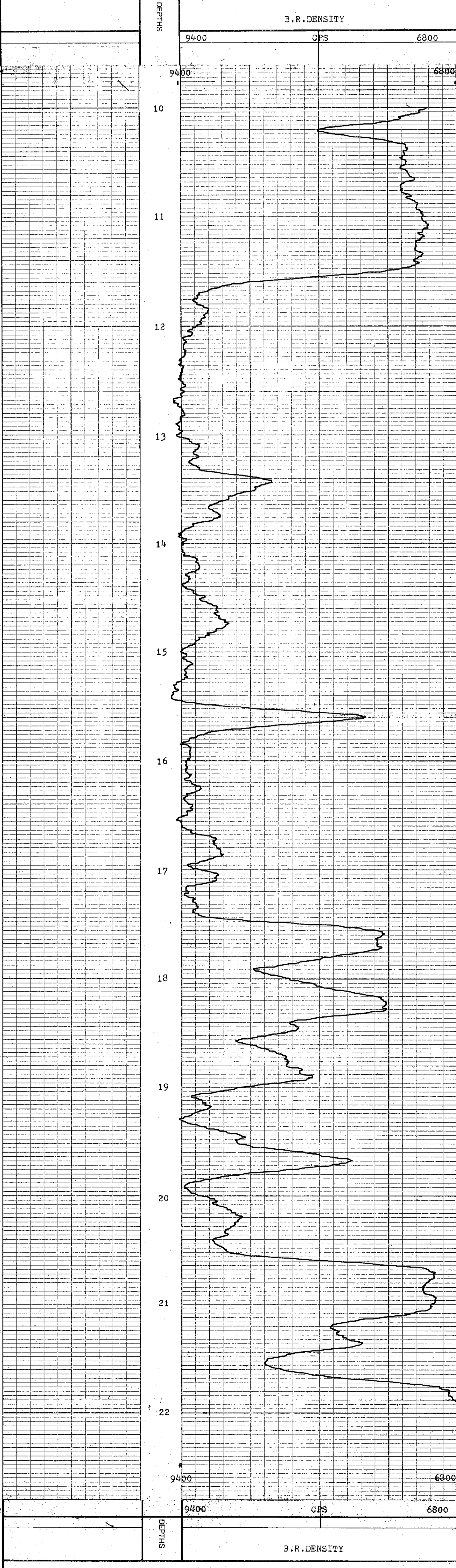
S.G. Viscosity to to
 Bit Size 1 to to
2 to to
3 to to
 Casing Size 1 to to
2 to to
 Rm @ Meas. Temp. @ @ @ @ @
 Rmf @ Meas. Temp. @ @ @ @ @
 Rmc @ Meas. Temp. @ @ @ @ @
 Source Rmf Rmc
 Rm @ BHT @ @ @ @ @
 Rmf @ BHT @ @ @ @ @
 Rmc @ BHT @ @ @ @ @

Operating Time
 BHT
 Truck No.
 Recorded By
 Witness

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	Run No.
Rmf @ Meas. Temp.	@	°F	@	°F	Tool Type
Rmc @ Meas. Temp.	@	°F	@	°F	Tool Position
Source Rmf	Rmc				Other
Rm @ BHT	@	°F	@	°F	
Rmf @ BHT	@	°F	@	°F	
Rmc @ BHT	@	°F	@	°F	

Logging Data						
Log	Depths	Speed	T.C.	Norm.	Source No.	Source No.
	From	To				
BRD	1 det.	2	1	-	78	BRD



COMPANY Brameda Resources
 BOREHOLE BW-26
 STATE B.C.
 COUNTRY Canada

488

Mr. Brent River 28(3)A.



COAL LITHOLOGY LOG
Gamma Ray, I.S. Density

COMPANY Brameda Resources
 BOREHOLE BW-26
 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 1/11/78
 First Reading 38m
 Last Reading 0
 Interval Measured 38m
 Casing BPP _____
 Casing Driller 2m
 Depth Reached 38.3m
 Bottom Driller 38.4m
 Mud Nature Cut-well/quick-trol
 SG _____ Viscosity _____

Bit Size 1 1.875in TD _____ to _____
 2 _____ to _____
 3 _____ to _____

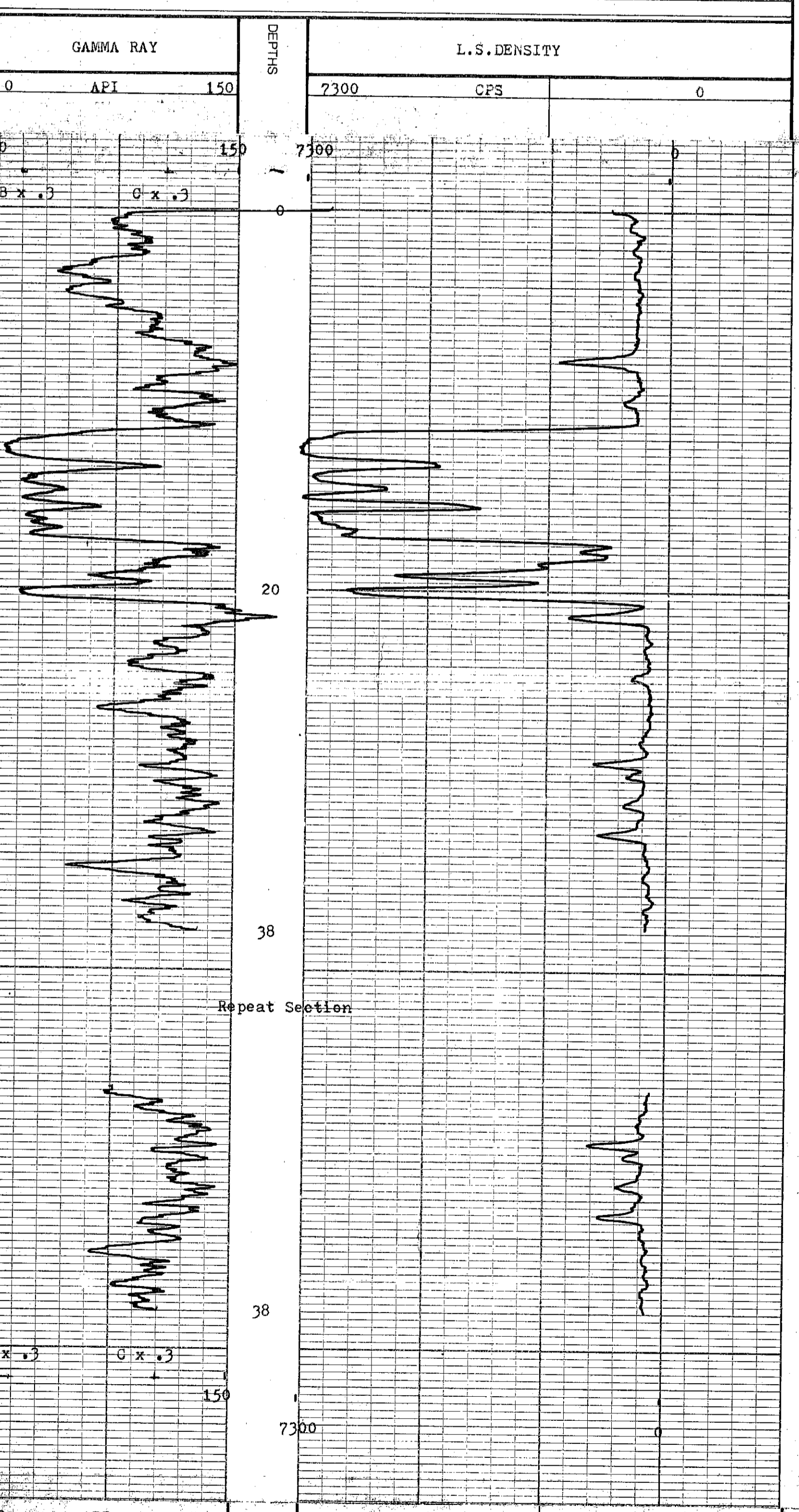
Casing Size 1 2" to 2m to _____ to _____
 2 _____ to _____
 Rm @ Meas Temp. _____ @ _____ @ _____
 Rmf @ Meas Temp. _____ @ _____ @ _____
 Rmc @ Meas Temp. _____ @ _____ @ _____

BHT _____
 Operating Time 1 1/2 hrs.
 Truck No. V25/42
 Recorded By D.H./R.B.
 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 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.	Nor m.	Sonde No. Source No.
	From To				
Gamma	38 0	9	1	1.3	78
LSD	38 0	9	1/3	-	78 LSD



COMPANY Brameda Resources
 BOREHOLE BW-26
 STATE B.C.
 COUNTRY Canada

488



NEUTRON-NEUTRON LOG

Dr - Brent Kuer 71(3)A

COMPANY Brameda Resources

BOREHOLE BW-26

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 1/11/78

First Reading 38m

Last Reading 0

Interval Measured 38m

Casing BPPs

Casing Driller

Depth Reached

Bottom Driller

Mud Nature

SG Viscosity

Bit Size 1 to

2 to

3 to

Casing Size 1 to

2 to

Rm @ Meas Temp @ @

Rmt @ Meas Temp @ @

Rmc @ Meas Temp @ @

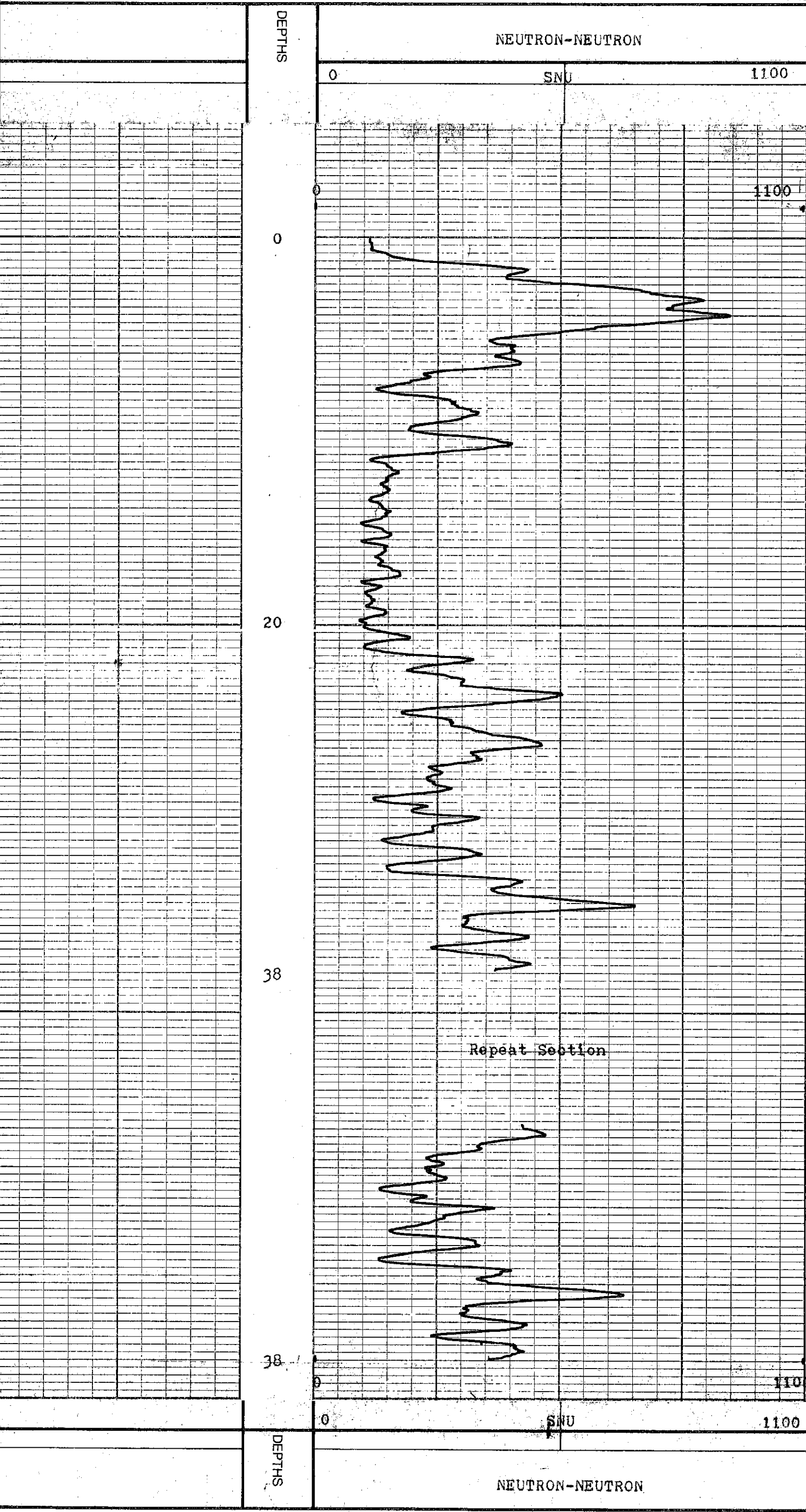
BHT

488

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	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		38	0	9	1	.88	18	N6787



COMPANY Brameda Resources

BOREHOLE BW-26

STATE B.C.

COUNTRY Canada

Dr. Burnt River 78(12)A



COAL LITHOLOGY LOG
GAMMARAY & L.S. DENSITY

COMPANY BRAMEDA RESOURCES
BOREHOLE BW-28
STATE B.C. COUNTRY CANADA

Permanent Datum _____ GROUND LEVEL Elev _____ Ft.
Log measured from _____ " _____ " Ft. above P.D.
Drilling measured from _____ " _____ " Ft. above P.D.

Run No	1	200:1
Date	31/10/78	
First Reading	53	
Last Reading	0	
Interval Measured	53	
Casing BPH		
Casing Driller		
Depth Reached	53.3	
Bottom Driller	53.3	
Mud Nature	CUT-WEILL/QUIT-TROL	
SG Viscosity		
Bit Size 1	1.875 to TD	to 10
2	to	to 10
3	to	to 10
Casing Size 1	to	to 10
2	to	to 10
Rm @ Meas Temp.	@	@
Rmf @ Meas Temp.	@	@
Rmc @ Meas Temp.	@	@
BHT		
Operating Time	2hrs	
Truck No.	25	
Recorded By	DH/RB	
Witness		

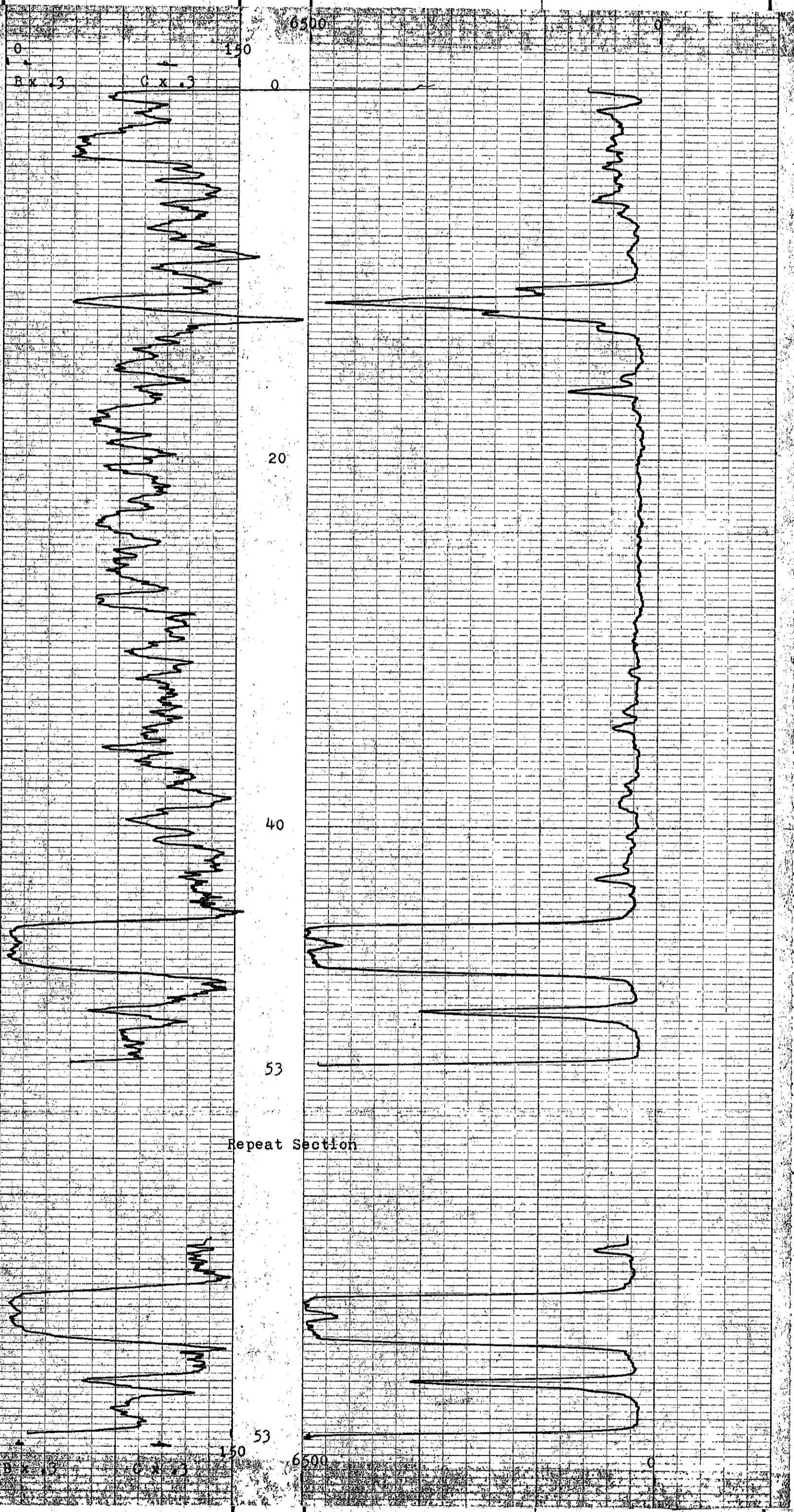
488

fold here

REMARKS

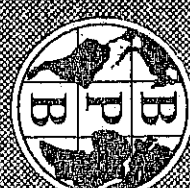
Changes in Mud Type or Additional Samples		Type Log		Scale Changes	
Date	Sample No.	Depth	Scale Up Hole	Scale Down	
Type Fluid in Hole					
Dens.	Visc.				
ph.	Fluid Loss	ml			
Source of Sample		Equipment Data			
Rm @ Meas Temp.	@	°F	Run No.	Tool Type	Tool Position
Rmf @ Meas Temp.	@	°F			Other
Rmc @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

DEPTHS



DEPTHS

COMPANY BRAMEDA RESOURCES
BOREHOLE BW-28
FIELD BURNT RIVER
COUNTY CANADA STATE B.C.



NEUTRON - NEUTRON LOG

12 - Burnt River 26(13)A

COMPANY BRAMEDA RESOURCES

BOREHOLE BW-28

STATE B.C. COUNTRY CANADA

Permanent Datum GROUND LEVEL Elev. Ft.

Log measured from " " Ft. above P.D.

Drilling measured from " " Ft. above P.D.

Run No. 1 Depth Scale 200:1

Date 31/10/78

First Reading 53m

Last Reading 0m

Interval Measured 53m

Casing BPS

Casing Driller

Depth Reached

Bottom Driller

Mud Nature

S.G. 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. @

488

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. ph.	Visc. 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 From To	Speed	T.C.	Norm.	Sonde No.	Source Number	

DEPTHS

0

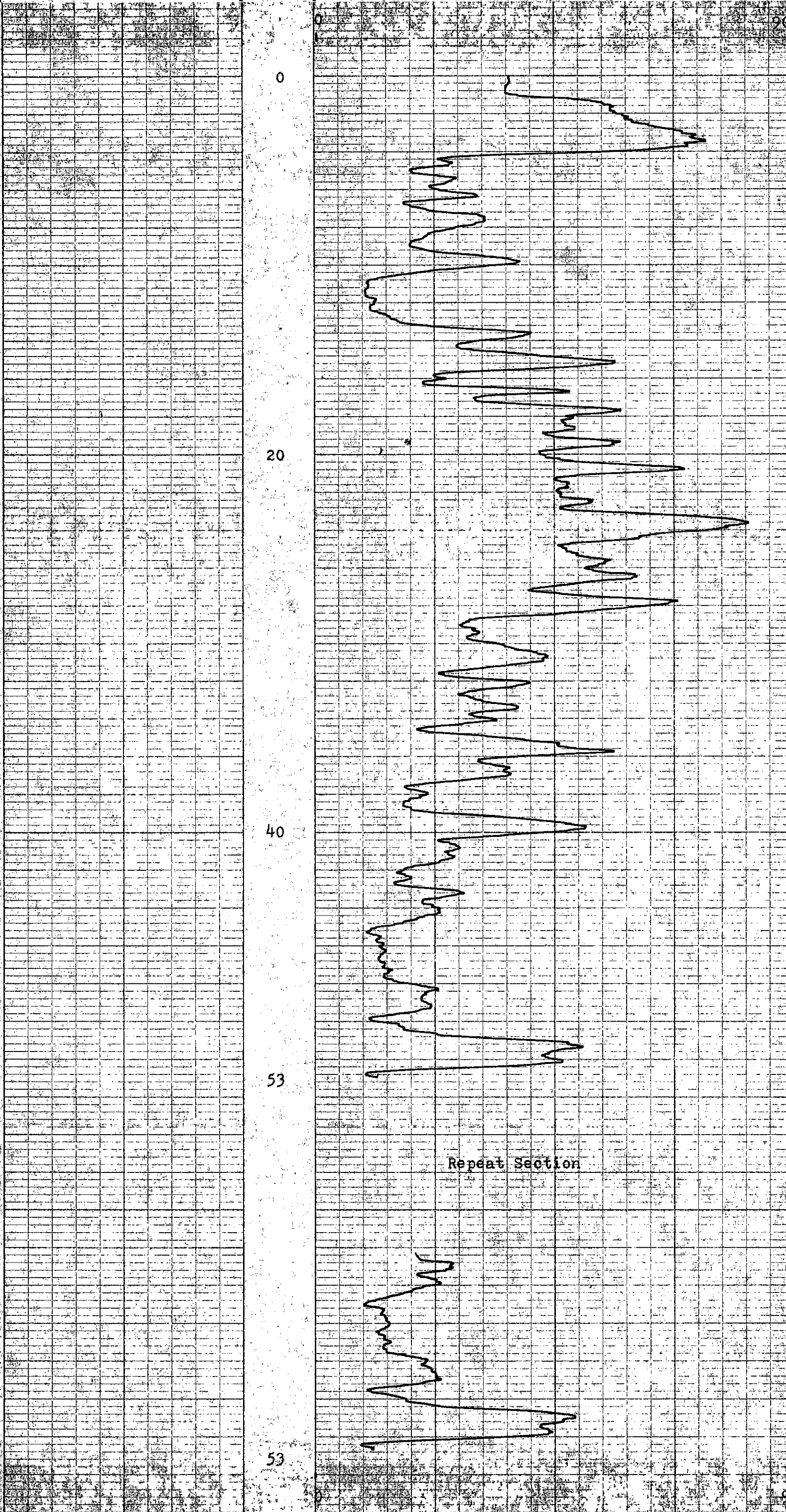
20

40

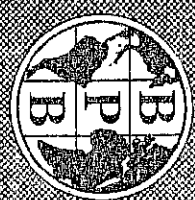
53

53

DEPTHS



COMPANY BRAMEDA RESOURCES
 BOREHOLE BW-28
 FIELD BURNT RIVER
 COUNTY CANADA STATE B.C.



DETAIL LOG
BULK RESOLUTION DENSITY

Mr. Burnt River 78/3/18.

COMPANY BRAMEDA RESOURCES

BOREHOLE BW-28

STATE B.C. COUNTRY CANADA

Permanent Datum GROUND LEVEL Elev. Ft.

Log measured from " Ft. above P.D.

Drilling measured from Ft. above P.D.

Run No 1 Depth Scale 20:1

Date 31/10/78

First Reading 49m

Last Reading 44m

Interval Measured 5m

Casing BPP

Casing Driller

Depth Reached

Bottom Driller REFER TO COAL LITHOLOGY LOG

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. @ °F @ °F

Rmf @ Meas Temp. @ °F @ °F

Rmc @ Meas Temp. @ °F @ °F

488

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. ph.	Visc. Fluid Loss		mi				
Source of Sample				Equipment Data			
Rm	@ Meas Temp.	@	°F	@	°F	Run No.	Tool Type
Rmf	@ Meas Temp.	@	°F	@	°F	Tool Position	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.
		From	To				Source Number

DEPTHS

44

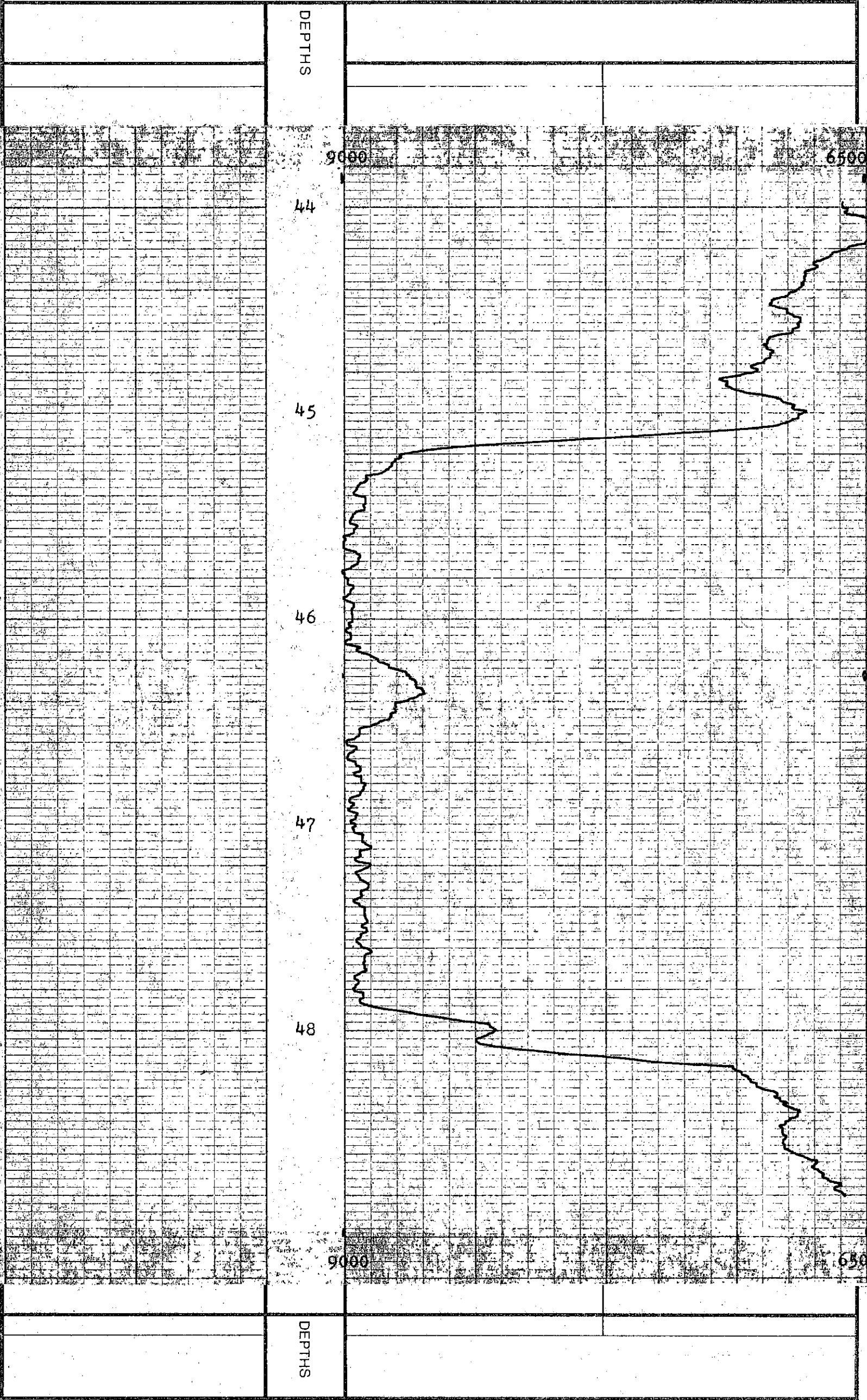
45

46

47

48

DEPTHS



COMPANY BRAMEDA RESOURCES
 BOREHOLE BW-28
 FIELD BURNT RIVER
 COUNTY CANADA STATE B.C.



DETAIL LOGS
GAMMA RAY & I.S. DENSITY

Re - Burnt River 7/13/78

COMPANY BRAMEDA RESOURCES
BOREHOLE BW-28
STATE B.C. COUNTRY CANADA

Permanent Datum GROUND LEVEL Elev. Ft.
Log measured from " Ft. above P.D.
Drilling measured from Ft. above P.D.

Run No. 1 Depth Scale 20:1

Date 31/10/78
First Reading 49m
Last Reading 44m
Interval Measured 5m

Casing BPP
Casing Driller
Depth Reached COAL

Bottom Driller
Mud Nature REFER TO LITHOLOGY LOG

S.G. Viscosity
Bit Size 1 to to to
2 to to to
3 to to to

Casing Size 1 to to to
2 to to to

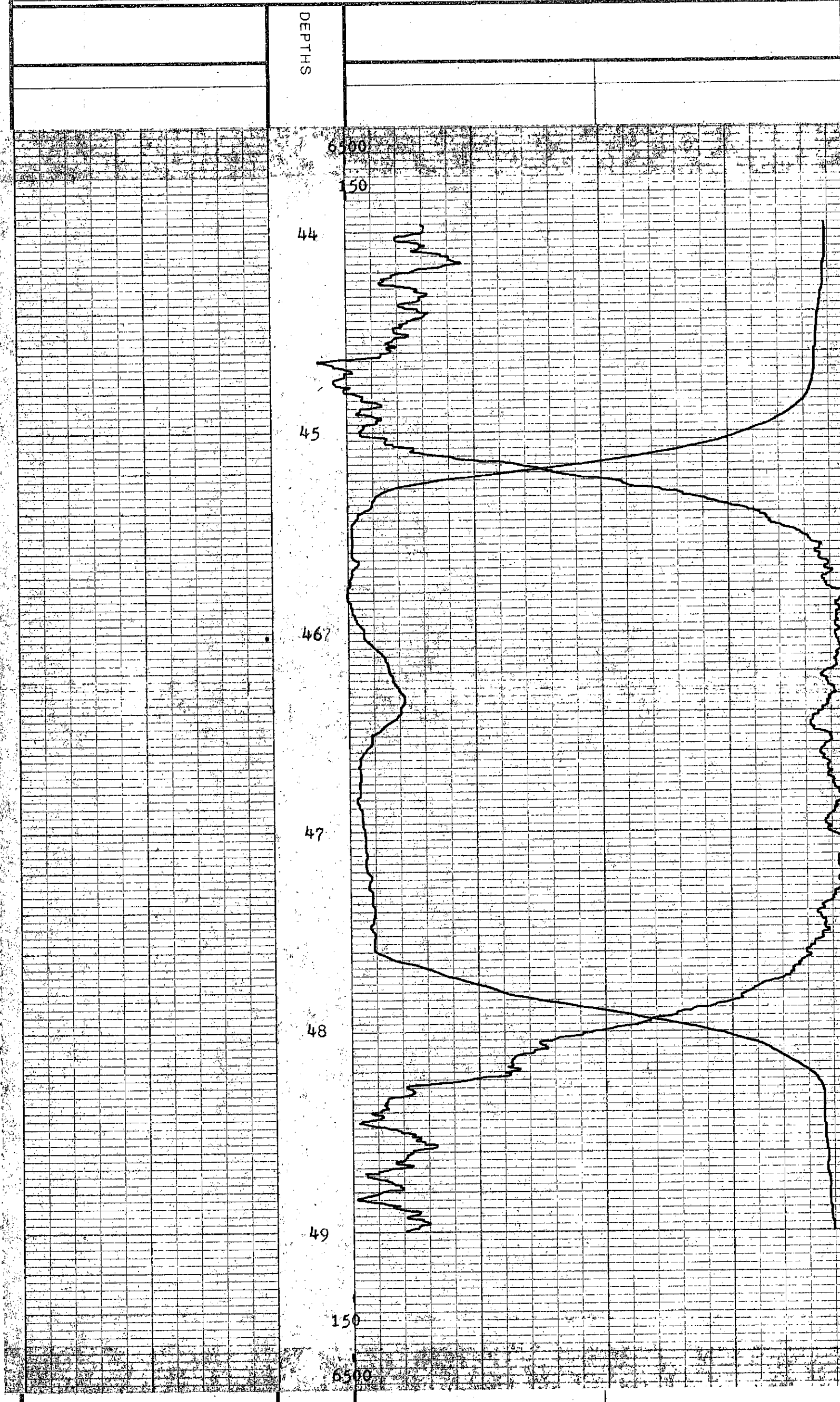
Rm @ Meas Temp. @ @ @
Rmf @ Meas Temp. @ @ @
Rmc @ Meas Temp. @ @ @

BHT
Operating Time
Tuck No
Recorded By
Witness

488

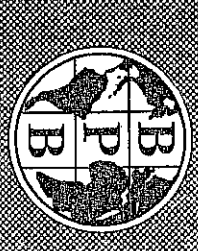
REMARKS

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. ph.	Visc. 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 From To	Speed	T.C.	Norm.	Sonde No.	Source Number



COMPANY BRAMEDA RESOURCES
BOREHOLE BW-28
FIELD BURNT RIVER
COUNTY CANADA STATE B.C.

PC - Burnt River 78 (S) 2



DETAIL LOGS
Gamma Ray, I.S. Density

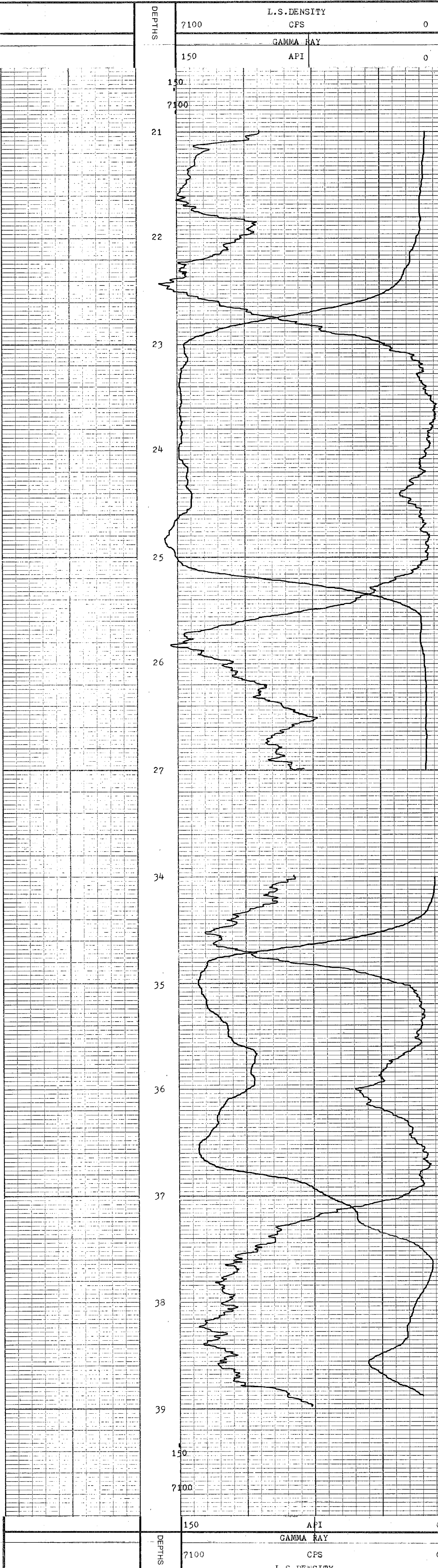
COMPANY Brameda Resources
 BOREHOLE BW-29 COUNTRY Canada
 STATE B.C.
 Permanent Datum Ground Level Elev. Ft. F.
 Log measured from Ground Level Ft. above P.D.
 Drilling measured from Ft. above P.D.
 Run No. 1 Depth Scale 1:20
 Date 2/11/78
 First Reading 39m
 Last Reading 21m
 Interval Measured 2 details
 Casing BFB
 Casing Driller
 Depth Reached
 Bottom Driller
 Mud Nature
 S.G. Viscosity
 Bit Size 1 to to
 2 to to
 3 to to
 Casing Size 1 to to
 2 to to
 Rm @ Meas Temp. @ °F
 Rmf @ Meas Temp. @ °F
 Rmc @ Meas Temp. @ °F
 Source: Rmf Rmc
 Rm @ BHT @ °F
 Rmf @ BHT @ °F
 Rmc @ BHT @ °F
 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							
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 From	To	Speed	T.C.	Norm	Sonde No	Source Number
Gamma	2 dets.	2	2	1.3	78		
LSD	2 dets.	2	1	-	78		LSD



COMPANY Brameda Resources
 BOREHOLE BW-29
 FIELD Burnt River
 COUNTY STATE B.C.

M - Burnt River 2151A



DETAIL LOG
B.R. Density

COMPANY Brameda Resources
 BOREHOLE BW-29
 STATE B.C. COUNTRY Canada
 Permanent Datum Ground Level Elev Ft.
 Log measured from Ground Level Ft. above P.D.
 Drilling measured from Ft. above P.D.
 Run No. 1 Depth Scale 1:20
 Date 2/11/78
 First Reading 3m
 Last Reading 21m
 Interval Measured 2 details
 Casing B.P.B.
 Casing Driller
 Depth Reached
 Bottom Driller REFER TO LITHOLOGY LOG
 Mud Nature
 S.G. Viscosity
 Bit Size 1 to to to
 Casing Size 1 to to to
 Casing Size 2 to to to
 Rm @ Meas Temp. @ °F
 Rmf @ Meas Temp. @ °F
 Rmc @ Meas Temp. @ °F
 Rm @ Meas Temp. @ °F
 Rmf @ Meas Temp. @ °F
 Rmc @ Meas Temp. @ °F
 BHT
 Operating Time
 Truck No.
 Recorded By
 Witness

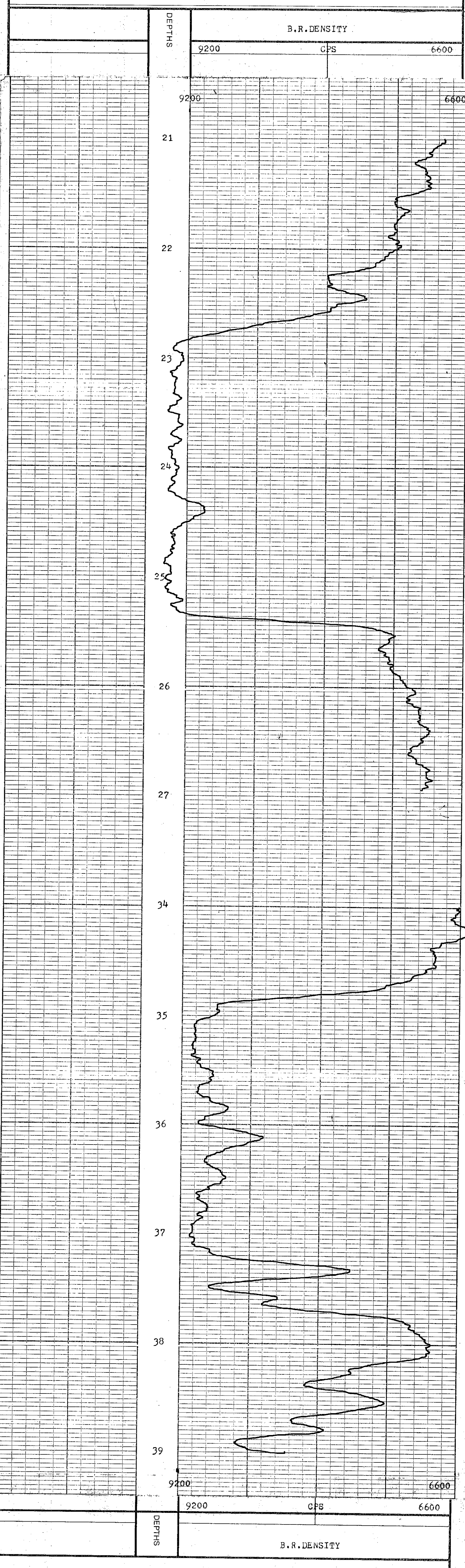
488

REMARKS

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

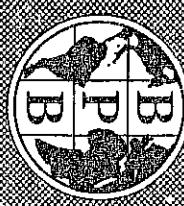
Equipment Data						
Run No.	Tool Type	Tool Position	Other			

Logging Data						
Log	Depths	Speed	T.C.	Norm.	Sample No.	Source
	From	To				Number
BRD	2	2	1	-	76	BRD



COMPANY Brameda Resources
 BOREHOLE BW-29
 FIELD Burnt River
 COUNTY STATE B.C.

12 - Burnt River 78 (3)A



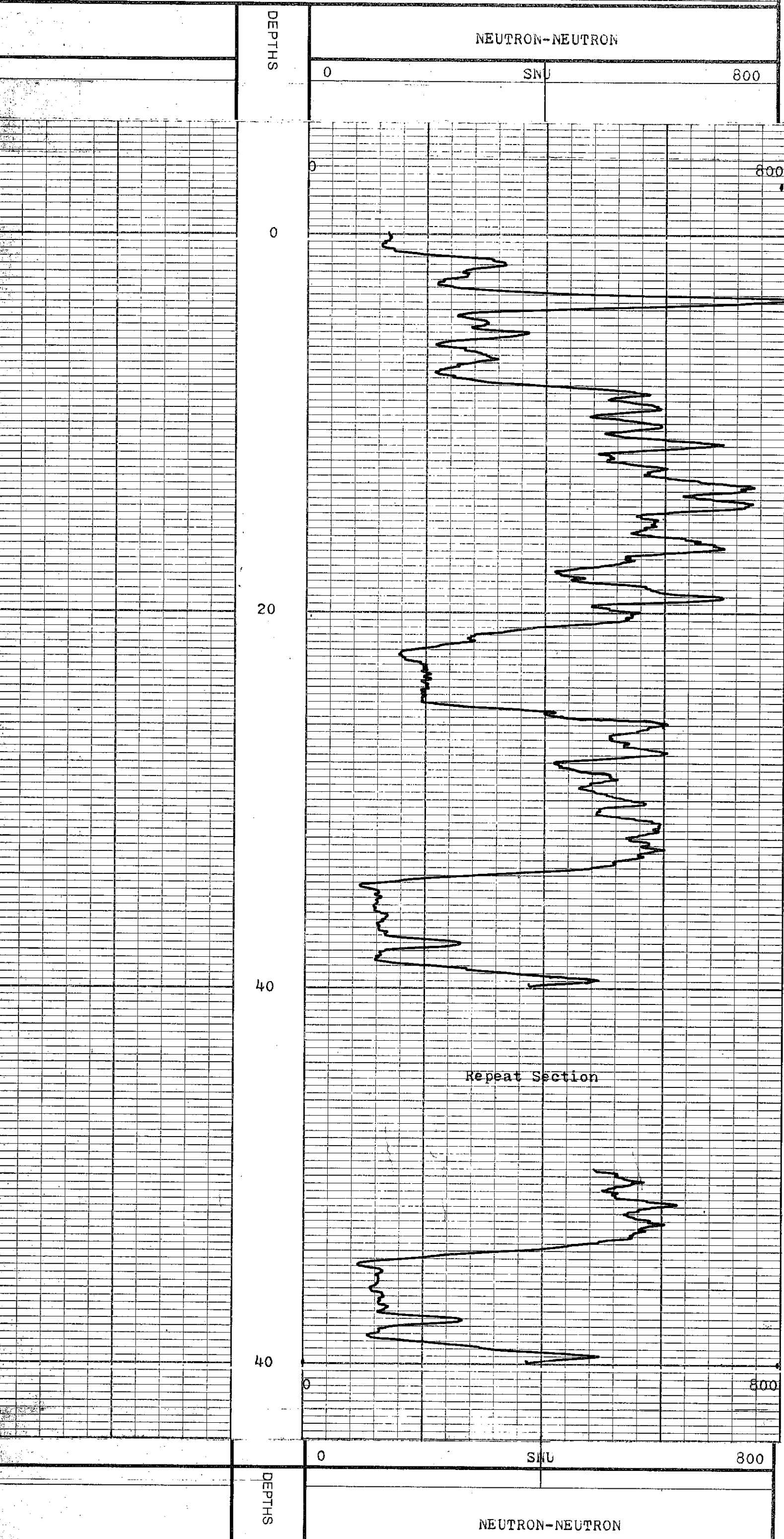
NEUTRON-NEUTRON LOG

COMPANY	Brameda Resources	STATE	B.C.	COUNTRY	Canada
BOREHOLE	BW-29	Permanent Datum	Ground Level	Elev.	Fi.
Log measured from	Ground Level	Ft. above	P.D.		
Drilling measured from		Ft. above	P.D.		
Run No.	1	Depth Scale	1:200		
Date	2/11/78	First Reading	40m		
Last Reading	0	Interval Measured	40m		
Casing BPH		Casing Driller			
Depth Reached		Bottom Driller			
Mud Nature		REFER TO LITHOLOGY LOG			
S.G.	Viscosity				
Bit Size 1	to	to	to	to	to
2	to	to	to	to	to
3	to	to	to	to	to
Casing Size 1	to	to	to	to	to
2	to	to	to	to	to
Rm @ Meas Temp.	@	@	@	@	@
Rmf @ Meas Temp.	@	@	@	@	@
Rmc @ Meas Temp.	@	@	@	@	@
Rm @ Meas Temp.	@	@	@	@	@
Rmf @ Meas Temp.	@	@	@	@	@
Rmc @ Meas Temp.	@	@	@	@	@
BHT					
Operating Time					
Tuck No.					
Recorded By					
Witness					

488

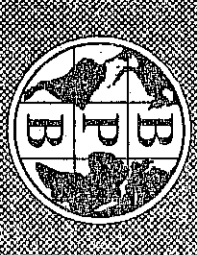
fold here

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.	@	@	@	Run No.	Tool Type	Tool Position	Other
Rmf @ Meas Temp.	@	@	@				
Rmc @ Meas Temp.	@	@	@				
Source: Rmf	Rmc						
Rm @ BHT	@	@	@				
Rmf @ BHT	@	@	@				
Rmc @ BHT	@	@	@				
				Logging Data			
Log	Depths	Speed	T.C.	Norm.	Sonde No.	Source	
	From To					Number	
N-N	40 0	9	1	.88	18	N6787	



COMPANY	Brameda Resources
BOREHOLE	BW-29
FIELD	Burnt River
COUNTY	B.C.

11- Burnt River 71(3)A.



COAL LITHOLOGY LOG
Gamma Ray, L.S. Density

COMPANY Brameda Resources
BOREHOLE BW-29
STATE B.C. COUNTRY Canada

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

Run No 1 Depth Scale 1:200
Date 2/11/78
First Reading 4.0m
Last Reading 0
Interval Measured 4.0m
Casing BPP 4.0m
Casing Driller 3m
Depth Reached 40.9m
Bottom Driller 41.0m
Mud Nature Cut-well/Quik-Trol
S.G. Viscosity _____
Mud Viscosity 1.875" to M.D.
Bit Size 1 to _____ to _____
2 to _____ to _____
3 to _____ to _____
Casing Size 1 2" to 3m to _____ to _____
2 to _____ to _____
Rm @ Meas Temp. _____ @ _____ °F
Rmf @ Meas Temp. _____ @ _____ °F
Rmc @ Meas Temp. _____ @ _____ °F
Rm @ Meas Temp. _____ @ _____ °F
Rmf @ Meas Temp. _____ @ _____ °F
Rmc @ Meas Temp. _____ @ _____ °F
BHT _____
Operating Time 1 1/2 hrs.
Truck No. V25/42
Recorded By D.H./R.B.
Witness _____

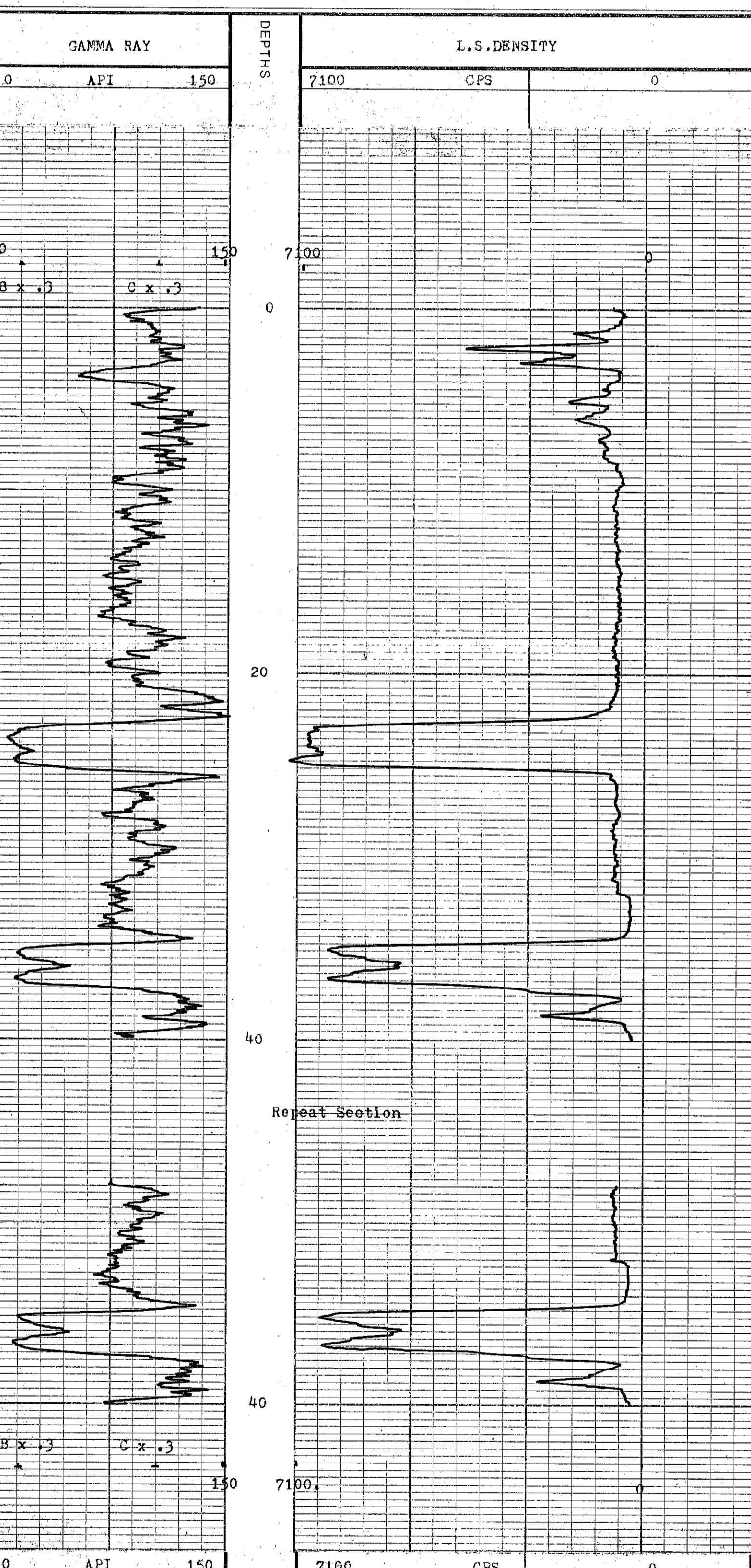
488

told here

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						
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				

Log	Depths		Speed	T.C.	Norm.	Sonde No.	Source Number
	From	To					
Gamma	40	0	9	1	1.3	28	
LSD	40	0	9	1/3	-	28	LSD



COMPANY Brameda Resources
BOREHOLE BW-29
FIELD Burnt River
COUNTY _____ STATE B.C.

TECK CORPORATION LIMITED

STRATIGRAPHIC LOG

OF

WDH. BW-1

488

VERTICAL SCALE 1 : 200

PR - Burnt River 78(2)A

PROJECT BURNT RIVER LOCATION SUKUNKA
 HOLE NO BW-1 CORE SIZE AX DATUM GROUND LEVEL
 CO-ORDINATES N E DATE STARTED _____
 COLLAR ELEVATION 1188.5 METRES DATE FINISHED _____
 HOLE ANGLE 90° TOTAL DEPTH 52.28 M. LOGGED BY B. McCLYMONT

SERIES	FORMATION	MEMBER	DISTANCE FROM DATUM	COLUMNAR SECTION	LITHOLOGIC DESCRIPTION		
LOWER CRETACEOUS	GETHING		0		OVERBURDEN		
					SILTSTONE, FINE GRAINED SANDSTONE, CARBONACEOUS, LIGHT GREY		
						SILTSTONE, MUDSTONE, VERY CARBONACEOUS WITH COAL PARTINGS	
				5		SILTSTONE LIGHT GREY WITH FINE GRAINED SANDSTONE PHASES, TOP PART HAS FERRIS LAYER CONCREASIONS, DIPS AT 90° TO CORE	
						MUDSTONE VERY CARBONACEOUS WITH COAL PARTINGS AND BANDS TO 3CM NEAR BOTTOM DIPS 90°	
						SANDSTONE LIGHT GREY VERY MUDDY, CARBONACEOUS AND COAL PARTINGS, SWIRLED AND FURROWED? SIDERITE?	
						MUDSTONE BLACK, VERY CARBONACEOUS WITH COAL WHISPS, PARTINGS AND BANDS TO 10CM? HIGH CORE LOSS PYRITE STRINGERS IN PARTINGS	
				15		SANDSTONE LIGHT GREY FINE TO MEDIUM GRAINED, MUDDY CARBONACEOUS, SWIRLED AND CROSS BEDDED	
						MUDSTONE, BLACK VERY CARBONACEOUS COAL WHISPS AND PARTINGS	
						SANDSTONE LIGHT GREY, FINE TO MEDIUM GRAINED CROSS BEDDED, THIN BEDDED TO LAMINATED CARBONACEOUS WITH ABUNDANT COAL WHISPS NEAR BOTTOM DIPS AT 75° TO CORE	
						SILTSTONE SANDSTONE INTERBEDDED, SANDSTONE FINE GRAINED, CROSS BEDDED, SWIRLED VERY CARBONACEOUS MUDSTONE FROM 21.0 - 21.5 COAL WHISPS AND PARTINGS DIPS AT 80° TO CORE	
						MUDSTONE VERY CARBONACEOUS, COALY WHISPS	
						SANDSTONE SILTSTONE MUDSTONE INTERBEDDED, SANDSTONE FINE TO MEDIUM GRAINED, CROSS BEDDED SWIRLED CARBONACEOUS, SILTSTONE AND MUDSTONE GENERALLY CARBONACEOUS, MORE MUDDY AND CARBONACEOUS WITH DEPTH DIPS AT 75° TO CORE	
						MUDSTONE CARBONACEOUS, COAL WHISPS,	
					36.20 36.49		COAL, CLEAN, BRIGHT, BLOCKY (2.88/2.93) HIGH ASH 38.30-38.56
					39.32 39.60 40 41.0		BONE COAL AND VERY CARBONACEOUS MUDSTONE MUDSTONE, SILTSTONE THINLY INTERBEDDED MUDSTONE BLACK, VERY CARBONACEOUS
							SANDSTONE FINE GRAINED SILTY IN UPPER SECTION, WITH THINLY INTERBEDDED BLACK MUDSTONE SWIRLED, CROSS BEDDED DIPS AT 80° TO CORE
					45 46.0 46.73		DIPS AT 65° TO CORE MUDSTONE, SILTY PHASES, VERY CARBONACEOUS
							COAL CLEAN BRIGHT BLOCKY (2.49/2.34) MINOR ASH AT 48.10
					49.22 49.44		MUDSTONE 49.22 49.36 COAL 49.36 49.66 CLEAN TO BONEY
			50 50.75 50.96 51.1 51.5 52.28		MUDSTONE WITH THINLY INTERBEDDED SANDSTONE AND SILTSTONE DIPS AT 80° TO CORE MUDSTONE VERY CARBONACEOUS WITH BONE COAL AND 21 CLEAN COAL AT 50.69 SANDSTONE VERY FINE GRAINED TO SILTY TO END OF HOLE AT 52.28		

TECK CORPORATION LIMITED

STRATIGRAPHIC LOG

OF

WDH. BW-2

488

VERTICAL SCALE 1 : 200

Pl. - Burnt River 78(3)4

PROJECT BURNT RIVER LOCATION SUKUNKA
 HOLE NO BW-2 CORE SIZE AX DATUM GROUND LEVEL
 CO-ORDINATES N. E. DATE STARTED
 COLLAR ELEVATION 1154 METRES DATE FINISHED
 HOLE ANGLE 90° TOTAL DEPTH 2121 M. LOGGED BY B. McCLYMONT

SERIES	FORMATION	MEMBER	DISTANCE FROM DATUM	COLUMNAR SECTION	LITHOLOGIC DESCRIPTION
LOWER CRETACEOUS	GETHING		0		<p>OVERBURDEN, ABUNDANT COAL FRAGMENTS</p> <p>SANDSTONE FINE GRAINED, LIGHT GREY, CROSSBEDDED SWIRLED FERRUGINOUS</p> <p>MUDSTONE BLACK SILTY VERY CARBONACEOUS, ABUNDANT COALY WHISPS AND PARTINGS</p> <p>SANDSTONE SILTSTONE INTERBEDDED, SANDSTONE FINE GRAINED, CROSS BEDDED IN PARTS SWIRLED CALCITE VEINS DIPS AT 80° TO CORE</p> <p>MUDSTONE BLACK, VERY CARBONACEOUS, LARGE COALY INTERVALS, ABUNDANT COAL WHISPS AND PARTINGS, PYRITE STRINGERS AND SHELL FOSSILS</p> <p>END OF HOLE</p>
		2121			

TECK CORPORATION LIMITED

STRATIGRAPHIC LOG

OF

WDH, BW-3

VERTICAL SCALE 1 : 200

488

PR- BURNT RIVER 78(3)A

PROJECT BURNT RIVER

LOCATION SUKUNKA

HOLE NO BW-3 CORE SIZE AX

DATUM GROUND LEVEL

CO-ORDINATES N E


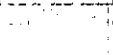



DATE STARTED

COLLAR ELEVATION 1158.8 METRES

DATE FINISHED

HOLE ANGLE 90° TOTAL DEPTH 27.57 M.

LOGGED BY B. McCLYMONT

SERIES	FORMATION	MEMBER	DISTANCE FROM DATUM	COLUMNAR SECTION	LITHOLOGIC DESCRIPTION
LOWER CRETACEOUS	GETHING		0		
		5		OVERBURDEN	
			10		SANDSTONE, SILTSTONE, MUDSTONE, INTERBEDDED, SANDSTONE FINE GRAINED THINLY BEDDED CROSS BEDDED SWIRLED, RIPPLE MARK, WORM BURROWS? MUDSTONE CARBONACEOUS DIPS AT 75° TO 80° TO CORE
			15		SANDSTONE, THINLY BEDDED TO LAMINATED, FINE TO MEDIUM GRAINED, CARBONACEOUS PARTINGS SANDSTONE MEDIUM TO COARSE GRAINED, GRANULAR, CARBONACEOUS WHISPS DIPS AT 80° TO CORE
			20		MUDSTONE SILTSTONE INTERBEDDED WITH MINOR SANDY PHASES, MUDSTONE VERY DARK GREY AND CARBONACEOUS, SILTSTONE DARK GREY CARBONACEOUS, SANDSTONE FINE GRAINED SWIRLED RIPPLED ABUNDANT COAL PARTINGS, COALY INTERVALS OF UP TO 15 CM AT 17M, 18.2 AND 26.0M. DIPS AT 85° TO 90° TO CORE
			27.57		END OF HOLE

TECK CORPORATION LIMITED

STRATIGRAPHIC LOG

OF

WDH. BW-4

488

VERTICAL SCALE 1 : 200

AK - BURNT RIVER 78 (3)A.

PROJECT BURNT RIVER LOCATION SUKUNKA RIVER
 HOLE NO: BW-4 CORE SIZE _____ DATUM _____
 CO-ORDINATES _____ N _____ E DATE STARTED _____
 COLLAR ELEVATION _____ METRES DATE FINISHED _____
 HOLE ANGLE 90° TOTAL DEPTH 39.93 M. LOGGED BY B.I. MCCLYMONT

SERIES	FORMATION	MEMBER	DISTANCE FROM DATUM	COLUMNAR SECTION	LITHOLOGIC DESCRIPTION
			0		OVERBURDEN
			2.74		MUDSTONE, SILTSTONE, MINOR SANDSTONE MEDIUM INTERBEDDED CARBONACEOUS, IRON STAINED.
			5		SANDSTONE, CONVOLUTED SILTSTONE, CARBONACEOUS.
			10		SILTSTONE, MUDSTONE, MEDIUM INTERBEDDED (70-30) SANDY PHASES - CONVOLUTED BEDDING. MUDSTONE: CARBONACEOUS COALY PARTINGS, CALCITE WISPS. DIPS 70°-80° TO CORE AXIS.
			15		MUDSTONE, CARBONACEOUS, COAL WISPS AND PARTINGS
			20		SILTSTONE GRAPING TO COARSE GRAINED SANDSTONE, CALCITE STRINGERS COAL WISPS MUDSTONE, BONE COAL, CLEAN COAL 60-15-25
			20.73		
			21.30		
			25		COAL; SOFT, BLOCKY TO FRIABLE 20.42 / 21.13 VERY CLEAN MUDSTONE PARTING 20.73 - 21.30
			30		
			35		
			38.25		MUDSTONE, BLOCKY, COALY.
			39.93		END OF HOLE
			40		
			45		

LOWER CRETACEOUS
GETHING

TECK CORPORATION LIMITED

STRATIGRAPHIC LOG OF WDH. BW-5

VERTICAL SCALE 1 : 200

488

PR - BURNT RIVER 78 (3)A

PROJECT BURNT RIVER LOCATION SUKUNKA RIVER
 HOLE NO BW-5 CORE SIZE _____ DATUM _____
 CO-ORDINATES _____ N _____ E DATE STARTED _____
 COLLAR ELEVATION _____ METRES DATE FINISHED _____
 HOLE ANGLE 90° TOTAL DEPTH 21.95 M. LOGGED BY B.I. McCLYMONT

SERIES	FORMATION	MEMBER	DISTANCE FROM DATUM	COLUMNAR SECTION	LITHOLOGIC DESCRIPTION
LOWER CRETACEOUS	GETHING		0		OVERBURDEN
			1.52		SANDSTONE, SILTSTONE MEDIUM INTERBEDDED, 65-35
			4.88		SANDSTONE : FINE TO MEDIUM GRAINED, SILTY, CARBONACEOUS, CONVOLUTED BEDDING DIP AT 70° TO CORE, FINE COAL WISPS
			5		MUDSTONE, CARBONACEOUS, SILTY PHASES DIP AT 65° TO CORE
			5.94		COAL, BRIGHT, CLEAN, BLOCKY 3.97/3.50
			9.91		PROBABLY COAL
			10	LOST CORE	MUDSTONE, VERY CARBONACEOUS TO COALY GRADING TO SILTY MUDSTONE AT 13.41
			11.06		BONE COAL, CLEAN COAL 12.34-12.95; .61/.43
			12.34		
			12.95		
			13.41		
			15		SILTSTONE ; WITH CONVOLUTED SANDY TO MUDDY PHASES MINOR FINE COALY AND CALCITE WISPS DIP AT 50° TO CORE AT 15.8 M.
	20		DIP AT 70° TO CORE AT 18.5 M.		
	21.95		END OF HOLE		
	25				

TECK CORPORATION LIMITED

STRATIGRAPHIC LOG

OF

WDH. BW-6

VERTICAL SCALE 1 : 200

488

PR - BURNT RIVER 78(2)A.

PROJECT BURNT RIVER LOCATION SUKUNKA RIVER
 HOLE NO BW-6 CORE SIZE _____ DATUM _____
 CO-ORDINATES _____ N _____ E DATE STARTED _____
 COLLAR ELEVATION _____ METRES DATE FINISHED _____
 HOLE ANGLE -90° TOTAL DEPTH 32.30 M. LOGGED BY B.I. McCLYMONT

SERIES	FORMATION	MEMBER	DISTANCE FROM DATUM	COLUMNAR SECTION	LITHOLOGIC DESCRIPTION
			0		OVERBURDEN
			4.57		SILTSTONE AND MUDSTONE CHIPS 2.10 - 4.57
			5		SILTSTONE, SANDY; MINOR MUDSTONE INTERBEDDED
			5.64		SANDSTONE, MEDIUM GRAINED, CALCITE AND COAL WISPS, MINOR PYRITE, IRON CONCRETIONS, CONVOLUTED SILTY LAMINATIONS, CARBONACEOUS DEBRIS.
			9.72		MUDSTONE PHASES 20% FROM 7.16 - 9.72. DIP AT 70-75° TO CORE
			10		MUDSTONE SILTY PHASES (70° TO CORE) CARBONACEOUS TO COALY, FINE CALCITE WISPS.
			12.0		
			15		MUDSTONE, SILTY AND SANDY PHASES 12.0 - 15.40 CARBONACEOUS, IRON CONCRETIONS COAL PARTINGS 20.87 - 21.58
			22.34		
			23.47		SANDSTONE, MUDSTONE MEDIUM INTERBEDDED; CONVOLUTED SILTS, COALY WISPS
			25		MUDSTONE, BLACK, VERY CARBONACEOUS TO COALY, LARGE COAL WISPS, CLEAN COAL PARTINGS. MUD GOUGE AT 26.67
			28.22		COAL, BRIGHT, CLEAN
			30		MUDSTONE BONE COAL PARTINGS 20% 2.02/1.06
			30.24		MUDSTONE, CARBONACEOUS TO SILTY; FINE GRAINED SANDSTONE 30.32-30.78
			32.30		END OF HOLE

LOWER CRETACEOUS

GETHING

TECK CORPORATION LIMITED

STRATIGRAPHIC LOG OF WDH. BW-7

488

VERTICAL SCALE 1 : 200

PR - BURNT RIVER 78(3)A.

PROJECT BURNT RIVER LOCATION SUKUNKA RIVER
 HOLE NO BW-7 CORE SIZE _____ DATUM _____
 CO-ORDINATES _____ N _____ E DATE STARTED _____
 COLLAR ELEVATION _____ METRES DATE FINISHED _____
 HOLE ANGLE 90° TOTAL DEPTH 46.48 M. LOGGED BY B.I. McCLYMONT

SERIES	FORMATION	MEMBER	DISTANCE FROM DATUM	COLUMNAR SECTION	LITHOLOGIC DESCRIPTION
LOWER CRETACEOUS	GETHING		0		OVERBURDEN
			5		
			6.10		MUDSTONE AND COAL CHIPS .76/.10
			6.86		SILTSTONE ; MUDSTONE PHASES.
			8.75		
			10		SANDSTONE, MEDIUM GRAINED, SILTY CONVOLUTED LAMINATIONS, IRON CONCRETIONS MINOR PYRITE, HEAVILY FRACTURED - CALCITE. COALY PARTINGS AND SHEARS. DIP 60°/ CORE.
			11.67		
			15		SILTSTONE ; SANDY TO MUDDY PHASES, DISSEMINATED PYRITE, CALCITE STRINGERS. SANDSTONE : FINE GRAINED, CONVOLUTED SILTS DIP AT 60° TO CORE.
			19.20		
			20		MUDSTONE ; IRON CONCRETIONS, CARBONACEOUS TO COALY COAL PARTINGS 22.55 - 23.40, .85/.39 BONE COAL 26.97 - 28.47, 1.49/.73 SANDY GOUGE AT 28.65
	25		SILTY, MINOR SANDS 30.48 - 35.0		
	26.97		BONE COAL		
	28.47				
	30				
	30.48				
	35				
	40		MAINLY SILTSTONE, MUDSTONE AND SANDSTONE PHASES - CONVOLUTED IRON CONCRETIONS, CARBONACEOUS, TRACE CALCITE. DIP AT 50° TO CORE		
	45				
	46.48		END OF HOLE		
			50		

TECK CORPORATION LIMITED

STRATIGRAPHIC LOG OF WDH. BW-8

488

VERTICAL SCALE 1 : 200

PR- BURNT RIVER 78 (3)A.

PROJECT BURNT RIVER LOCATION SUKUNKA RIVER
 HOLE NO B.W-8 CORE SIZE _____ DATUM _____
 CO-ORDINATES _____ N _____ E DATE STARTED _____
 COLLAR ELEVATION _____ METRES DATE FINISHED _____
 HOLE ANGLE -90° TOTAL DEPTH 38.10 M. LOGGED BY B.I. McClymont

SERIES	FORMATION	MEMBER	DISTANCE FROM DATUM	COLUMNAR SECTION	LITHOLOGIC DESCRIPTION
LOWER CRETACEOUS	GETHING		0	D O	OVERBURDEN
			2.43	D O	
			5		MUDSTONE, CARBONACEOUS, IRON CONCRETIONS.
			8.53		
			10		MUDSTONE, SANDSTONE MEDIUM INTERBEDDED (60-40) CARBONACEOUS SANDSTONE: FINE GRAINED TO MEDIUM GRAINED, NUMEROUS FINE CARBONACEOUS WISPS. SILTY TO CLEAN (80-20) CALCITE VEINING AND WISPS; SANDS INCREASING DOWNWARDS.
			13.41		
			15		SANDSTONE, CONVOLUTED SILTS AND CARBONACEOUS DEBRIS (30%) MEDIUM GRAINED, CARBONACEOUS WISPS, CALCITE VEINING; PRONOUNCED 15.85 - 17.83. HEAVILY PYRITIZED (SMears) 16.60 - 17.37
			17.83		
			20		SANDSTONE; VERY SILTY, CARBONACEOUS, CONVOLUTED, FINE GRAINED.
			22.25		
			23.16		SANDSTONE, MEDIUM GRAINED, CARBONACEOUS, MINOR SILTS, NUMEROUS COALY WISPS, CALCITE VEIN
			24.69		SANDSTONE, MUDSTONE, MEDIUM INTERBEDDED (4-6"), SILTY, CARBONACEOUS IRON CONCRETIONS
			25		SANDSTONE, INTERBEDDED MUDSTONE 20% SANDSTONE CLEANER (SILT CONTENT 20-30%), CALCITE VEINING, CARBONACEOUS WISPS, MEDIUM GRAINED MUDSTONE BECOMING SILTY DIP AT 50°/CORE
			27.13		SILTSTONE, SLIGHTLY SANDY, DARK GREY GRADING TO VERY SILTY FINE GRAINED SANDSTONE.
			30		
	31.21		SANDSTONE, MEDIUM GRAINED, CARBONACEOUS; CLEAN TO SILTY FINE CONVOLUTED SILTS (15%). CALCITE AND CARBONACEOUS WISPS DIP 55° (35°/CORE)		
	34.56				
	35		MUDSTONE VERY CARBONACEOUS (70%); COAL PARTINGS - SHEARS INTERBEDDED SILTSTONE WITH SANDY PHASES.		
	36.0		SANDSTONE, CLEAN MEDIUM GRAINED, LARGE COAL WISPS AND PARTINGS		
	37.2		SILTSTONE GRADING TO VERY CARBONACEOUS MUDSTONE		
	38.10		END OF HOLE		
			40		

TECK CORPORATION LIMITED

STRATIGRAPHIC LOG OF WDH. BW-9

VERTICAL SCALE 1 : 200

488

PR - BURNT RIVER 78 (3)A.

PROJECT BURNT RIVER LOCATION SUKUNKA RIVER
 HOLE NO BW-9 CORE SIZE _____ DATUM _____
 CO-ORDINATES _____ N _____ E DATE STARTED _____
 COLLAR ELEVATION _____ METRES DATE FINISHED _____
 HOLE ANGLE 90° TOTAL DEPTH 30.43 M. LOGGED BY B.I. McCLYMONT

SERIES	FORMATION	MEMBER	DISTANCE FROM DATUM	COLUMNAR SECTION	LITHOLOGIC DESCRIPTION
LOWER CRETACEOUS	GETHING		0		OVERBURDEN
			1.86		
			5		
			10		GENERALLY FINE GRAINED, VERY SILTY SANDSTONE PHASES INTERBEDDED SILTSTONE, MUDSTONE CONVOLUTED BEDDING. MINOR CALCITE AND CARBONACEOUS PARTINGS. DIPS RANGING 45°-70° SANDSTONE GRADING FINE GRAINED TO MEDIUM TO COARSE GRAINED AT 11.2 M. MINOR SHEARING.
			15		
			17.83		SILTSTONE, MUDDY, CARBONACEOUS
			20		
			20.42		SANDSTONE, FINE TO MEDIUM GRAINED, SILTY, MINOR MUDSTONE CALCITE FRACTURES, CONVOLUTED SILTS. FINE CARBONACEOUS LAMINATES.
			23.62		
			25		SILTSTONE, MUDDY, CARBONACEOUS, MINOR COAL WISPS. SANDY PHASE 25.9 - 27.7. DIP MAY BE AS HIGH AS 80°?
		30		END OF HOLE	
		30.43			
		35			

TECK CORPORATION LIMITED

STRATIGRAPHIC LOG OF WDH. BW-10

VERTICAL SCALE 1 : 200

488

PR. BURNT RIVER 78(3)A.

PROJECT BURNT RIVER

LOCATION SUKUNKA RIVER

HOLE NO BW-10 CORE SIZE _____

DATUM _____

CO-ORDINATES _____ N _____ E

DATE STARTED _____

COLLAR ELEVATION _____ METRES

DATE FINISHED _____

HOLE ANGLE -90° TOTAL DEPTH 21.95 M.

LOGGED BY B.I. McCLYMONT

SERIES	FORMATION	MEMBER	DISTANCE FROM DATUM	COLUMNAR SECTION	LITHOLOGIC DESCRIPTION
LOWER CRETACEOUS	GETHING		0		OVERBURDEN
			1.26 1.83		MUDSTONE, SILTY, LIGHT BROWN; WEATHERED AND BROKEN, 30 CM. RECOVERED.
			3.35		COAL, BRIGHT, CLEAN, SHEARED, SOFT 1.52/.15
			4.27 4.92		MUDSTONE, VERY CARBONACEOUS TO COALY, BONE COAL AT 4.27, .92/.30
			5		COAL, CLEAN, SOFT, BLOCKY TO POWDERY, HEAVILY SHEARED 11.43/.48
			10		HIGH ASH COAL 15.40 - 15.70
			15		MUDSTONE, CARBONACEOUS - VERY CARBONACEOUS - COALY (BONE COAL) 15.70 - 17.98
			15.70		VERY LARGE COAL WISPS AND PARTINGS, SHEARED, BLOCKY.
			20		BADLY BROKEN 15.70 - 17.87 WITH MINOR COAL
			17.83		MINOR DIRTY COAL AT 17.83
			19.20		CALCITE WISPS AND COAL WISPS (VERTICAL) "SQUEEZED" 19.20 - 19.50. DIPS 45°(?)
			21.95		END OF HOLE
			25		

TECK CORPORATION LIMITED

STRATIGRAPHIC LOG

OF

WDH. BW-11

488

VERTICAL SCALE 1 : 200

PR - BURNT RIVER 78(3)A

PROJECT BURNT RIVER LOCATION SUKUNKA RIVER
 HOLE NO BW-11 CORE SIZE _____ DATUM _____
 CO-ORDINATES _____ N _____ E DATE STARTED _____
 COLLAR ELEVATION _____ METRES DATE FINISHED _____
 HOLE ANGLE -90° TOTAL DEPTH 36.88 M. LOGGED BY B.I. McCLYMONT

SERIES	FORMATION	MEMBER	DISTANCE FROM DATUM	COLUMNAR SECTION	LITHOLOGIC DESCRIPTION
LOWER CRETACEOUS	GETHING		0	A 20	
			1.13		
			5		SANDSTONE, FINE TO MEDIUM GRAINED, CARBONACEOUS; THINLY TO MEDIUM INTERBEDDED SILTSTONE AND MUDSTONE. CONVOLUTED SILTS AND CARBONACEOUS DEBRIS. CALCITE STRINGERS AND PARTINGS.
					DIP AT 65-70° TO CORE.
			3.75		
			10		MUDSTONE, SILTY, MINOR SANDS; DIP 15°-20°
			11.58		
			15		
			20		MUDSTONE, CARBONACEOUS TO COALY, TRACE SANDS COAL WISPS AND PARTINGS CALCITE SHEARS 11.58-13.72 COALY MUDSTONE (2.14/1.30) PHASES HIGH IRON CONTENT VERY FINE LAMINATES OF CALCITE (?) CLEAN COAL 18.13-18.28 26.60-26.91 (.31/1.15) BONE COAL 18.74-19.0 20.42-20.88 26.91-27.19 SILTY TO SANDY PHASE 27.43-29.26 PYRITIC 25.45-27.19
			25		
	26.60				
	27.19				
	30				
	32.15				
	32.40		BONE COAL, CRUSHED COAL 32.15-32.31 CRUSHED COAL, MUD (GOUGE) 32.31-32.40		
	35		MUDSTONE, SILTSTONE, SANDSTONE THINLY INTERBEDDED. SANDSTONE FINE TO MEDIUM GRAINED, SILTY, PYRITIC, DIP 20° (70° TO CORE)		
	35.35				
	36.88		SANDSTONE, CARBONACEOUS, MEDIUM GRAINED, SLIGHTLY SILTY END OF HOLE MINOR CALCITE STRINGERS		
	40				

TECK CORPORATION LIMITED

STRATIGRAPHIC LOG OF WDH. BW-12

VERTICAL SCALE 1 : 200

488

PA - BURNT RIVER 78(3)A.

PROJECT BURNT RIVER LOCATION SUKUNKA RIVER
 HOLE NO BW-12 CORE SIZE _____ DATUM _____
 CO-ORDINATES _____ N _____ E DATE STARTED _____
 COLLAR ELEVATION _____ METRES DATE FINISHED _____
 HOLE ANGLE -90° TOTAL DEPTH 38.70 M. LOGGED BY B.I. McCLYMONT

SERIES	FORMATION	MEMBER	DISTANCE FROM DATUM	COLUMNAR SECTION	LITHOLOGIC DESCRIPTION
LOWER CRETACEOUS	GETHING		0		SANDSTONE, MEDIUM-COARSE GRAINED, CARBONACEOUS. CONVOLUTED SILTS AND CARBONACEOUS LAMINATIONS, MUD BLEBS, COAL WISPS AND PARTINGS. CALCITE STRINGERS, PYRITIC. BEDDING 55°-60° TO CORE AXIS
			5.68		MUDSTONE, CARBONACEOUS, HIGH IRON, PYRITE, SLIGHTLY SILTY PHASES
			8.23		THINLY INTERBEDDED INTERBEDDED SANDSTONE, 50° TO CORE. CONVOLUTED CARBONACEOUS LAMS.
			8.75		COAL, BRIGHT, CLEAN, SEMI HARD .52/.43. MINOR DIRT PTGS. HIGH ASH AT 8.70, MUDSTONE FLOOR.
			10		MUDSTONE, SILTY TO SANDY PHASES, MINOR CALCITE, CARBONACEOUS DEBRIS, PYRITE, COALY PARTINGS AND PHASES.
			14.02		SILTSTONE, SANDSTONE, MUDSTONE MEDIUM INTERBEDDED - CONVOLUTED SANDSTONE : CLEAN TO SILTY; FINE LAMS CARBONACEOUS DEBRIS. MEDIUM GRAINED MINOR CALCITE, COAL WISPS.
			17.37		50° TO CORE
			19.05		SANDSTONE, CLEAN TO SILTY, CARBONACEOUS LAMS AND WISPS MEDIUM TO COARSE GRAINED, MINOR CALCITE, 50° TO CORE.
			25		MUDSTONE, GRADING TO SILTSTONE, CARBONACEOUS, IRON CONCRETIONS, PYRITIC VERY SANDY TO MUDSTONE PHASES 26.0 - 32.92
			32.92		SANDSTONE WITH THINLY INTERBEDDED SILTS AND MUDSTONE, CONVOLUTED 60-30-10, MEDIUM GRAINED, FINELY LAMINATED, CALCITE.
	34.90		SILTSTONE, CONVOLUTED SANDY PHASES (CONSISTENTLY 60° TO CORE)		
	35		MINOR CALCITE AND COAL PARTINGS		
	37.80		MUDSTONE, SILTY, CARBONACEOUS		
	38.70		END OF HOLE		

TECK CORPORATION LIMITED

STRATIGRAPHIC LOG

OF

WDH. BW-13

488

VERTICAL SCALE 1 : 200

PR. BURNT RIVER 78(3)A.

PROJECT BURNT RIVER LOCATION SUKUNKA RIVER
 HOLE NO BW-13 CORE SIZE _____ DATUM _____
 CO-ORDINATES _____ N _____ E DATE STARTED _____
 COLLAR ELEVATION _____ METRES DATE FINISHED _____
 HOLE ANGLE - 90° TOTAL DEPTH 27.74 M. LOGGED BY B.I. McCLYMONT

SERIES	FORMATION	MEMBER	DISTANCE FROM DATUM	COLUMNAR SECTION	LITHOLOGIC DESCRIPTION
LOWER CRETACEOUS	GETHING		0		
			1.83		SANDSTONE, SILTSTONE, WEATHERED BROKEN
			5		MUDSTONE, CARBONACEOUS, COAL PARTINGS.
			6.25		SANDSTONE, SILTY PHASE, FINE TO MEDIUM GRAINED, CALCITE AND COAL WISPS.
			7.62		COAL, BRIGHT, SOFT, CLEAN, BLOCKY TO CRUSHED, HIGH ASH 7.62-7.77, 9.14-9.18
			10		
			10.05		
			11.43		MUDSTONE AND COAL SLUFF 10.05-11.43. 1.38/15
			12.50		TOTAL SEAM 6.55/1.34 (20%)
			14.17		NO CORE
			14.94		PROBABLY COAL
			15		MUDSTONE, CARBONACEOUS
			15.85		SANDSTONE, MEDIUM GRAINED, CROSS-BEDDED, S+P, CONVOLUTED SILTS
			20		MUDSTONE, BLACK, CARBONACEOUS TO VERY CARBONACEOUS, COAL PARTINGS AND WISPS IRON CONCRETIONS
			24.25		COAL, BRIGHT, CLEAN, SOFT .61/.21
	24.84				
	25		MUDSTONE, CARBONACEOUS, MINOR SILTSTONE + SANDSTONE		
	25.60		SANDSTONE MEDIUM TO COARSE GRAINED, CLEAN WITH CONVOLUTED SILTS 25.60-26.20 FINE LAMS CARBONACEOUS DEBRIS AND SILTS 26.20-27.74		
	27.74		END OF HOLE MUD BLEBS AT 27.13, BEDDING 70° TO CORE.		
			30		

TECK CORPORATION LIMITED

STRATIGRAPHIC LOG OF WDH. BW-14

488

VERTICAL SCALE 1 : 200

PR - BURNT RIVER 78/31A.

PROJECT BURNT RIVER LOCATION SUKUNKA RIVER
 HOLE NO BW-14 CORE SIZE _____ DATUM _____
 CO-ORDINATES _____ N _____ E DATE STARTED _____
 COLLAR ELEVATION _____ METRES DATE FINISHED _____
 HOLE ANGLE 90° TOTAL DEPTH 28.35 M. LOGGED BY B.I. McCLYMONT

SERIES	FORMATION	MEMBER	DISTANCE FROM DATUM	COLUMNAR SECTION	LITHOLOGIC DESCRIPTION
LOWER CRETACEOUS	GETHING		0		OVERBURDEN
			5		MAINLY SILTSTONE, MEDIUM INTERBEDDED SANDSTONE / MUDSTONE CONVOLUTED BEDDING, CARBONACEOUS, MINOR CALCITE 30°-45° TO CORE
			10		MUDSTONE, CARBONACEOUS TO COALY SILTSTONE PHASES
			14.02		COAL, BRIGHT, CLEAN, BLOCKY TO CRUSHED, SOFT, SHEARED, MINOR PYRITE 14.02-14.17 5.06 / 2.56
			19.08		BONE COAL; DULL HIGH ASH COAL .91/.76
			19.99		COAL, BRIGHT, CLEAN, BLOCKY TO CRUSHED, SHEARED 2.29 / 1.78
			22.10		BONE COAL 22.10 - 22.28
			22.28		SILTSTONE, VERY SANDY, LIGHT GREY, MINOR CALCITE, COAL PARTINGS MINOR BONE COAL AT 23.47
			25.45		SANDSTONE, SILTSTONE; SANDSTONE COARSE GRAINED, RUGGY; SILTSTONE MUDDY
			26.06		SANDSTONE, FINE GRAINED, SILTY TO CLEAN, MINOR MUDSTONE 45° TO CORE
			28.35		END OF HOLE
			30		TOTAL SEAM 14.02 - 22.28

TECK CORPORATION LIMITED

STRATIGRAPHIC LOG

OF

WDH. BW-15

488

VERTICAL SCALE 1 : 200

PR. BURNT RIVER 78 (3)A.

PROJECT BURNT RIVER

LOCATION SUKUNKA RIVER

HOLE NO. BW-15 CORE SIZE _____

DATUM _____

CO-ORDINATES _____ N _____ E

DATE STARTED _____

COLLAR ELEVATION _____ METRES

DATE FINISHED _____

HOLE ANGLE -90° TOTAL DEPTH 11.89 M.

LOGGED BY B.I. McCLYMONT

SERIES	FORMATION	MEMBER	DISTANCE FROM DATUM	COLUMNAR SECTION	LITHOLOGIC DESCRIPTION
LOWER CRETACEOUS	GETHING		0		<p>OVERBURDEN, POSSIBLE COAL 2.66-3.66 ?</p> <p>COAL, BRIGHT, SOFT, CLEAN, BLOCKY 1.52 / .12</p> <p>.10 COAL, .30 SANDSTONE, .03 COAL 1.52 / .43 SANDSTONE: COARSE GRAINED, COAL WISPS, WEATHERED, YUGGY, CALCITE.</p> <p>MUDSTONE, CARBONACEOUS TO COALY; BROKEN TO BLOCKY</p> <p>COAL ? 1.22 / 0</p> <p>SANDSTONE, MASSIVE, CARBONACEOUS, MEDIUM GRAINED, CLEAN TO SILTY, CONVOLUTED PHASES MINOR CALCITE. 70° TO CORE</p> <p>END OF HOLE</p>
		11.89	15		

TECK CORPORATION LIMITED

STRATIGRAPHIC LOG

OF

WDH. BW-16

488

VERTICAL SCALE 1 : 200

R.R. - BURNT RIVER 78 (B)A.

PROJECT BURNT RIVER

LOCATION SUKUNKA RIVER

HOLE NO BW-16 CORE SIZE _____

DATUM _____

CO-ORDINATES _____ N _____ E

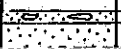




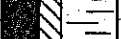

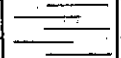

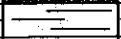
DATE STARTED _____

COLLAR ELEVATION _____ METRES

DATE FINISHED _____

HOLE ANGLE -90° TOTAL DEPTH 12.65 M.

LOGGED BY B.I. McCLYMONT

SERIES	FORMATION	MEMBER	DISTANCE FROM DATUM	COLUMNAR SECTION	LITHOLOGIC DESCRIPTION
LOWER CRETACEOUS	GETHING		0		OVERBURDEN
			3.35		SANDSTONE, MEDIUM TO COARSE GRAINED, S+P, CARBONACEOUS. BEDDING 60° TO CORE CALCITE AND COAL WISPS.
			3.96		MUDSTONE, BADLY BROKEN
			5		COAL, CLEAN, BLOCKY TO CRUSHED, SOFT, BRIGHT. 1.98 / .79
			5.94		COAL, MUDSTONE; SHEARED, BROKEN TO BLOCKY, 60°/CORE 3.05 / 1.55
			6.09		COAL: CLEAN TO HIGH ASH, MINOR SANDSTONE AT 5.94
			9.14		50 - 50
			10		MUDSTONE, CARBONACEOUS WITH CALCITE FRACTURE INFILLING, MINOR IRON STAIN.
			11.73		COAL (NO CORE RECOVERED, BLACK RETURNS)
			12.65		MUDSTONE, CARBONACEOUS.
				END OF HOLE (HOLE RE-ENTERED AND COMPLETED SEPT 17-1978)	
			15		TOTAL SEAM 3.96 - 9.14 5.18 / 2.34 (45%)

TECK CORPORATION LIMITED

STRATIGRAPHIC LOG

OF

WDH. BW-17

488

VERTICAL SCALE 1 : 200

PR - BURNT RIVER 78(3)A.

PROJECT BURNT RIVER

LOCATION SUKUNKA RIVER

HOLE NO BW-17 CORE SIZE _____

DATUM _____

CO-ORDINATES _____ N _____ E

DATE STARTED _____

COLLAR ELEVATION _____ METRES

DATE FINISHED _____

HOLE ANGLE -90° TOTAL DEPTH 18.44 M

LOGGED BY B.I. MCCLYMONT

SERIES	FORMATION	MEMBER	DISTANCE FROM DATUM	COLUMNAR SECTION	LITHOLOGIC DESCRIPTION
LOWER CRETACEOUS	GETHING		0		OVERBURDEN
			4.72		MAINLY SANDSTONE (80%); INTERBEDDED SILTSTONE, MINOR MUDSTONE. FINE TO MEDIUM TO COARSE GRAINED, CLEAN TO SILTY, CONVOLUTED BEDDING (65° TO CORE)
			5.33		MUDSTONE, CARBONACEOUS, SILTY 4.72-5.0
			5.49		COAL, CLEAN, BRIGHT, BLOCKY, HIGH ASH BANDS (4.5%) 5.49/3.96
			10		MUDSTONE; BONE COAL 11.13-11.28; VERY SILTY 11.23-11.89
			13.87		SANDSTONE, MEDIUM GRAINED, CARBONACEOUS, MINOR CONVOLUTED SILTS VERY SILTY 12.30-13.87
			15		MUDSTONE, CARBONACEOUS.
			18.44		MUDSTONE, SILTY; VERY CARBONACEOUS TO COALY (BONEY IN PLACES) COAL WISPS AND NUMEROUS FINE CALCITE WISPS. END OF HOLE.

TECK CORPORATION LIMITED

STRATIGRAPHIC LOG

OF

WDH. BW-18

488

VERTICAL SCALE 1 : 200

PR. BURNT RIVER 78(3)A.

PROJECT BURNT RIVER

LOCATION SUKUNKA RIVER

HOLE NO BW-18 CORE SIZE _____

DATUM _____

CO-ORDINATES _____ N _____ E

DATE STARTED _____

COLLAR ELEVATION _____ METRES

DATE FINISHED _____

HOLE ANGLE -90° TOTAL DEPTH 15.85 M.

LOGGED BY B.I. McCLYMONT

SERIES	FORMATION	MEMBER	DISTANCE FROM DATUM	COLUMNAR SECTION	LITHOLOGIC DESCRIPTION
LOWER CRETACEOUS	GETHING		0		OVERBURDEN
			1.88		MUDSTONE, MINOR SANDSTONE, BROKEN, LIGHT GREY.
			4.27		COAL, CLEAN, BRIGHT, BLOCKY .91/.70
			5.18		MUDSTONE, VERY CARBONACEOUS, MINOR SILTSTONE
			6.46		COAL,
			10		
			12.19		MUDSTONE
			13.04		COAL, DULL TO SEMI-BRIGHT, BLOCKY, CLEAN? .58/.24
			13.62		MUDSTONE, CARBONACEOUS
			14.93		SANDSTONE, FINE GRAINED, SILTY, THINLY INTERBEDDED MUDSTONE. 65° TO CORE AXIS.
	15				
	15.85		END OF HOLE		
			20		

TECK CORPORATION LIMITED

STRATIGRAPHIC LOG

OF

WDH. BW-19

488

VERTICAL SCALE 1 : 200

PR - BURNT RIVER 78 (B)A.

PROJECT BURNT RIVER LOCATION SUKUNKA RIVER
 HOLE No BW-19 CORE SIZE _____ DATUM _____
 CO-ORDINATES _____ N _____ E DATE STARTED _____
 COLLAR ELEVATION _____ METRES DATE FINISHED _____
 HOLE ANGLE -90° TOTAL DEPTH (24.08 M.) LOGGED BY B.I. McCLYMONT

SERIES	FORMATION	MEMBER	DISTANCE FROM DATUM	COLUMNAR SECTION	LITHOLOGIC DESCRIPTION
LOWER CRETACEOUS	GETHING		0		OVERBURDEN
			2.74		MUDSTONE, CARBONACEOUS
			3.44		COAL, BRIGHT, BLOCKY TO SHEARED AND BROKEN; MINOR SANDS (CHANNEL)
			4.10		
			4.34		MUDSTONE / SILTSTONE SPLIT 4.10-4.34
			5		
			5.45		SANDSTONE, MUDSTONE, COAL CHIPS
			6.70		MUDSTONE, MINOR BONE COAL AND CLEAN COAL
			8.23		MUDSTONE WITH IRON CONCRETIONS AND INTERBEDDED MIXED COAL / MUDSTONE. BADLY BROKEN AND SHEARED, IRON-MUD CONCRETIONS YUGGY AND WEATHERED. FAULTED 8.23 - 9.75
			10		
			11.43		MUDSTONE, SILTY AND VERY CARBONACEOUS, COAL PARTINGS.
			12.50		MUDSTONE, SILTSTONE AND SANDSTONE, MEDIUM INTERBEDDED.
	14.93		SANDSTONE, CLEAN, FINE TO MEDIUM GRAINED.		
	15		BADLY SHEARED, MUDSTONE, SILTSTONE.		
	15.54				
	16.76				
	20		SILTSTONE, CARBONACEOUS WITH INTERBEDDED SANDSTONE (LAST 3')		
	20.27		60° TO CORE AT 18.3 M. DIP AT 60° TO CORE		
	23.20		SILTSTONE, CARBONACEOUS AND MUDDY, WITH CALCITE INFILLINGS. 45° TO CORE AT 23.20		
	24.08		SANDSTONE, MEDIUM TO COARSE GRAINED.		
	25				
	30				

TECK CORPORATION LIMITED

STRATIGRAPHIC LOG

OF

WDH. BW-20

488

VERTICAL SCALE 1 : 200

PR - BURNT RIVER 78(3)A.

PROJECT BURNT RIVER

LOCATION SUKUNKA RIVER

HOLE NO BW-20 CORE SIZE _____

DATUM _____

CO-ORDINATES _____ N _____ E

DATE STARTED _____

COLLAR ELEVATION _____ METRES

DATE FINISHED _____

HOLE ANGLE -90° TOTAL DEPTH 16.46 M.

LOGGED BY A. KEIR

SERIES	FORMATION	MEMBER	DISTANCE FROM DATUM	COLUMNAR SECTION	LITHOLOGIC DESCRIPTION
LOWER CRETACEOUS	GETHING		0		
			1.48		SANDSTONE, FINE TO MEDIUM GRAINED INTERBEDDED WITH CARBONACEOUS WISPS + SILTS MUDSTONE, CARBONACEOUS AND SILTY 1.35 - 1.48
			2.74		NO CORE RECOVERY, BLACK RETURNS (POSSIBLY COAL)
			5		SANDSTONE, FINE TO MEDIUM GRAINED, INTERBEDDED, CONVOLUTED, DIPS 80-85° TO CORE
			5.48		SILTSTONE, CARBONACEOUS
			5.80		SANDSTONE, MEDIUM TO COARSE GRAINED DIPS 70°-75° TO CORE.
			6.31		COAL, CLEAN, BRIGHT, HARD AND BLOCKY, WELL CLEATED BONE COAL 7.10-7.16 .85/60
			7.16		MUDSTONE, SILTY AND CARBONACEOUS.
			7.92		COAL, CLEAN, BRIGHT AND BLOCKY 7.0/30 HIGH ASH 7.92-8.07
			8.69		MUDSTONE, SILTY AND CARBONACEOUS
			10		SILTSTONE, MINOR INTERBEDDED MUDSTONE
			10.06		SANDSTONE, FINE TO MEDIUM GRAINED, CONVOLUTED BEDDING.
	11.28		SILTSTONE		
	12.04		SANDSTONE, MEDIUM GRAINED, IRON STAIN, CALCITE VEINLETS, CARBONACEOUS WISPS GRADES TO SILTSTONE.		
	13.41		SILTSTONE, CARBONACEOUS WITH MINOR SANDSTONE AND MUDSTONE PHASES		
	15		CARBONACEOUS MUDSTONE 14.93-15.09		
	16.46		END OF HOLE		

TECK CORPORATION LIMITED

STRATIGRAPHIC LOG

OF

WDH. BW-21

488

VERTICAL SCALE 1 : 200

PO - BURNT RIVER 78 (3)A.

PROJECT BURNT RIVER

LOCATION SUKUNKA RIVER

HOLE NO BW-21 CORE SIZE _____

DATUM _____

CO-ORDINATES _____ N _____ E

DATE STARTED _____

COLLAR ELEVATION _____ METRES

DATE FINISHED _____

HOLE ANGLE -90° TOTAL DEPTH 14.94 M.

LOGGED BY B.I. McCLYMONT

SERIES	FORMATION	MEMBER	DISTANCE FROM DATUM	COLUMNAR SECTION	LITHOLOGIC DESCRIPTION
LOWER CRETACEOUS	GETHING		0		OVERBURDEN
		2.74		MUDSTONE	
			3.50		COAL/MUDSTONE; BROKEN CHIPS : 77/10
			4.27		MUDSTONE, SILTY PHASES, CARBONACEOUS DEBRIS
			5		MINOR SANDSTONE AT 5.18, 9.29 - 9.79
			10		
			14.32		COAL 14.32 - 14.62, BLOCKY, DIRTY
			14.62		END OF HOLE
			15		
			20		

TECK CORPORATION LIMITED

STRATIGRAPHIC LOG OF WDH. BW-22

488

VERTICAL SCALE 1 : 200

PR. BURNT RIVER 78 (3)A

PROJECT BURNT RIVER LOCATION SUKUNKA RIVER
 HOLE NO BW-22 CORE SIZE _____ DATUM _____
 CO-ORDINATES _____ N _____ E DATE STARTED _____
 COLLAR ELEVATION _____ METRES DATE FINISHED _____
 HOLE ANGLE -90° TOTAL DEPTH 35.66 M. LOGGED BY B.I. MCCLYMONT

SERIES	FORMATION	MEMBER	DISTANCE FROM DATUM	COLUMNAR SECTION	LITHOLOGIC DESCRIPTION
LOWER CRETACEOUS	GETHING		0		OVERBURDEN
			1.27		SANDSTONE, MEDIUM GRAINED, SILTY PHASES (20%), MUD GALLS
			2.28		
			5		
			6.64		
			7.26		COAL, BRIGHT, BLOCKY TO CRUSHED, CLEAN, SOFT AND FRIABLE, MINOR SHEARING MUDSTONE PARTING 6.64-7.26; BONEY - VERY CARBONACEOUS. 12.34 / 6.68 55%
			10		
			14.62		
			15		MUDSTONE, BLACK, CARBONACEOUS, COAL PARTINGS; BONE COAL 16.08-16.48
			16.08		
			16.48		MUDSTONE, SANDSTONE THINLY INTERBEDDED, CONVOLUTED BEDDING 70° TO CORE
			16.61		
			17.68		MUDSTONE, BLACK, CARBONACEOUS, COAL PARTINGS.
			19.29		SANDSTONE, FINE TO MEDIUM GRAINED, CARBONACEOUS AND SILTY WISPS, 65° TO CORE.
			19.80		
			20		MUDSTONE, VERY CARBONACEOUS TO COALY, CLEAN COAL PARTINGS AND WISPS, (POOR RECOVERY)
			21.80		COAL, .60 / .12 CLEAN, BRIGHT, BLOCKY, MINOR VISIBLE ASH.
			22.40		MUDSTONE, DIRTY COAL, CLEAN COAL MIXED .46 / .30 50 - 30 - 20
	22.86		MUDSTONE, BLACK, CARBONACEOUS, COAL WISPS, FINE CALCITE WISPS		
	23.77				
	25		GENERALLY SANDSTONE, WITH CONVOLUTED SILTS, INTERBEDDED MUDSTONE 10% MEDIUM GRAINED, CARBONACEOUS, MINOR CALCITE PARTINGS, 70° TO CORE		
	26.52				
			MUDSTONE, CARBONACEOUS, SILTY PHASES, CALCITE WISPS.		
			29.72		COAL, SOFT, CRUSHED; .91 / .10
			30		
			30.63		MUDSTONE, CARBONACEOUS TO COALY, BROKEN, POOR RECOVERY
			32.30		COAL, BRIGHT-DULL, DIRTY, BLOCKY .61 / .14
			32.91		MUDSTONE
			33.07		
			34.30		SANDSTONE, CONVOLUTED SILTS, 70° TO CORE, CARBONACEOUS WISPS, MEDIUM GRAINED
			34.44		MUDSTONE
			34.90		COAL, CLEAN, CRUSHED, BRIGHT: MIXED BONE COAL 34.75 - 34.90
			35		
			35.60		MUDSTONE, CARBONACEOUS.
					END OF HOLE
			40		

TECK CORPORATION LIMITED

STRATIGRAPHIC LOG OF WDH. BW-23

488

VERTICAL SCALE 1 : 200

PR- BURNT RIVER 78 (3)A.

PROJECT <u>BURNT RIVER</u>	LOCATION <u>SUKUNKA RIVER</u>
HOLE NO <u>BW-23</u> CORE SIZE _____	DATUM _____
CO-ORDINATES _____ N _____ E	DATE STARTED _____
COLLAR ELEVATION _____ METRES	DATE FINISHED _____
HOLE ANGLE <u>30°</u> TOTAL DEPTH <u>40.70</u> M.	LOGGED BY <u>A. KEIR</u>

SERIES	FORMATION	MEMBER	DISTANCE FROM DATUM	COLUMNAR SECTION	LITHOLOGIC DESCRIPTION
LOWER CRETACEOUS	GETHING		0	[Symbol]	OVERBURDEN
			3.0	[Symbol]	SANDSTONE, MEDIUM TO COARSE GRAINED TO CONGLOMERITIC, VERY, CARBONACEOUS WISPS. CONGLOMERATE FROM 1.12-1.37
			5	[Symbol]	SANDSTONE, MEDIUM TO FINE GRAINED WITH MEDIUM TO THICKLY INTERBEDDED SILTSTONE. DIPS AT 65-70° TO CORE AXIS.
			10	[Symbol]	SILTSTONE, MUDSTONE, CARBONACEOUS COAL, CLEAN, BRIGHT, BLOCKY
			12.04	[Symbol]	MUDSTONE, CARBONACEOUS
			12.80	[Symbol]	SANDSTONE, FINE GRAINED, CARBONACEOUS WITH MEDIUM INTERBEDDED SILTSTONE AND MUDSTONE. 70-20-10 SANDSTONE CROSS BEDDED AND CONVOLUTED. DIPS AT 55°-60° TO CORE AXIS.
			15	[Symbol]	MUDSTONE, SILTY WITH SANDY PHASES.
			15.50	[Symbol]	SANDSTONE, FINE GRAINED, MEDIUM INTERBEDDED CARBONACEOUS SILTSTONE. CONVOLUTED BEDDING, CARBONACEOUS DEBRIS. DIPS AT 55°-60° TO CORE AXIS.
			16.92	[Symbol]	SILTSTONE, CARBONACEOUS.
			17.37	[Symbol]	SANDSTONE, FINE GRAINED, CARBONACEOUS WISPS MINOR CALCITE VEINLETS AND SHEARING
			18.44	[Symbol]	SILTSTONE, CARBONACEOUS
			19.35	[Symbol]	MUDSTONE, CARBONACEOUS
			20	[Symbol]	COAL, VERY CLEAN, BRIGHT, HARD, BLOCKY (1.72/1.19 REC'D)
			20.57	[Symbol]	MUDSTONE, VERY CARBONACEOUS TO COALY AND BONE COAL
			20.97	[Symbol]	COAL, VERY CLEAN, BRIGHT, HARD, BLOCKY (1.28/1.20 REC'D)
			22.56	[Symbol]	MUDSTONE, CARBONACEOUS. (MUDSTONE, VERY CARBONACEOUS TO COALY AND BONE COAL FROM 23.17-23.47)
			24.54	[Symbol]	SANDSTONE, SILTSTONE, MUDSTONE 35-30-30
			26.06	[Symbol]	MUDSTONE VERY CARBONACEOUS WITH COAL WHISPS
			26.52	[Symbol]	CLEAN COAL WITH BONE COAL
			27.28	[Symbol]	MUDSTONE, CARBONACEOUS
	28.35	[Symbol]	SANDSTONE, VERY FINE GRAINED CONVOLUTED BEDDING, DIPS AT 60°-65° TO CORE AXIS		
	28.96	[Symbol]	MUDSTONE, SILTSTONE, MEDIUM INTERBEDDED, CARBONACEOUS, MINOR CALCITE 70-30		
	31.25	[Symbol]	SILTSTONE, VERY FINE GRAINED SANDSTONE WITH MINOR MUDSTONE INTERBEDS. CONVOLUTED SANDSTONE, DIPS AT 65°-70° TO CORE AXIS.		
	34.14	[Symbol]	MUDSTONE, CARBONACEOUS WITH SILTY PHASES.		
	35	[Symbol]	COAL, CLEAN, BRIGHT AND BLOCKY		
	35.67	[Symbol]	MUDSTONE, VERY CARBONACEOUS AND BONE COAL AT 36.89, AND 37.34		
	36.43	[Symbol]	SANDSTONE, VERY FINE GRAINED AND SILTSTONE INTERBEDDED WITH MINOR MUDSTONE THINLY INTERBEDDED.		
	38.0	[Symbol]	MUDSTONE, VERY CARBONACEOUS WITH MINOR CLEAN COAL PARTINGS.		
	39.12	[Symbol]			
	40	[Symbol]			
	40.70	[Symbol]	END OF HOLE		
		[Symbol]	45		

TECK CORPORATION LIMITED

STRATIGRAPHIC LOG

OF

WDH. BW-24

488

VERTICAL SCALE 1 : 200

PR - BURNT RIVER 78(3)A.

PROJECT BURNT RIVER

LOCATION SUKUNKA RIVER

HOLE NO BW-24 CORE SIZE _____

DATUM _____

CO-ORDINATES _____ N _____ E

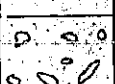

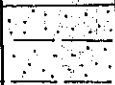
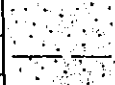




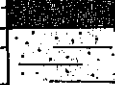
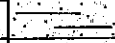
DATE STARTED _____

COLLAR ELEVATION _____ METRES

DATE FINISHED _____

HOLE ANGLE 90° TOTAL DEPTH 16.00 M.

LOGGED BY A. KEIR

SERIES	FORMATION	MEMBER	DISTANCE FROM DATUM	COLUMNAR SECTION	LITHOLOGIC DESCRIPTION
LOWER CRETACEOUS	GETHING		0		OVERBURDEN
			2.28		SILTSTONE, CARBONACEOUS, MEDIUM GREY.
			3.20		SANDSTONE, FINE GRAINED WITH SILTY PHASES AND THICK INTERBEDS, MINOR MUDDY PHASES. CARBONACEOUS WHISPS. DIPS AT 7° TO CORE AXIS.
			5		MUDSTONE, VERY CARBONACEOUS AND BONE COAL.
			10.60		COAL, CLEAN, BRIGHT AND BLOCKY (1.46 / 1.34)
			11.12		MUDSTONE, VERY CARBONACEOUS AND BONY
			11.25		COAL, CLEAN, BRIGHT AND BLOCKY, HARD (2.31 / 2.01)
			13.56		MUDSTONE, VERY CARBONACEOUS, WITH MINOR CLEAN COAL PARTINGS
			15		MUDSTONE, VERY CARBONACEOUS, WITH MINOR CLEAN COAL PARTINGS
			16.00		END OF HOLE
			20		

TECK CORPORATION LIMITED

STRATIGRAPHIC LOG

OF

WDH. BW-25

488

VERTICAL SCALE 1 : 200

PR. BURNT RIVER 78 (3)A

PROJECT BURNT RIVER

LOCATION SUKUNKA RIVER

HOLE NO BW-25 CORE SIZE _____

DATUM _____

CO-ORDINATES _____ N _____ E

DATE STARTED _____

COLLAR ELEVATION _____ METRES

DATE FINISHED _____

HOLE ANGLE -90° TOTAL DEPTH 9.90 M.

LOGGED BY B.I. McGLYMONT

SERIES	FORMATION	MEMBER	DISTANCE FROM DATUM	COLUMNAR SECTION	LITHOLOGIC DESCRIPTION
LOWER CRETACEOUS	GETHING		0		
			5		
			6.25		COAL, BRIGHT, SOFT, CLEAN, BLOCKY TO CRUSHED 6.25/1.5
			7.30		MUDSTONE, CARBONACEOUS TO COALY; BONE COAL, COAL PARTINGS
			7.90		MUDSTONE, CARBONACEOUS.
			9.90		SILTSTONE, SANDSTONE THINLY INTERBEDDED, CONVOLUTED BEDDING.
			10		INTERBEDDED MUDSTONE 20% END OF HOLE

TECK CORPORATION LIMITED

STRATIGRAPHIC LOG

OF

WDH. BW-26

488

VERTICAL SCALE 1 : 200

Pr - Burnt River 78 (3)A.

PROJECT BURNT RIVER

LOCATION SUKUNKA

HOLE NO BW-26 CORE SIZE AX

DATUM GROUND LEVEL

CO-ORDINATES N E

DATE STARTED _____

COLLAR ELEVATION 1213 METRES

DATE FINISHED _____

HOLE ANGLE 90° TOTAL DEPTH 38.41 M.

LOGGED BY B. McClymont

SERIES	FORMATION	MEMBER	DISTANCE FROM DATUM	COLUMNAR SECTION	LITHOLOGIC DESCRIPTION
			0		OVERBURDEN
			1.40		SILTSTONE WITH INTERBEDDED FINE GRAIN SANDSTONE DIPS AT 80° TO CORE AXIS
			2.39		
			5		SANDSTONE MEDIUM GRAINED, CONVOLUTED, MUD GAULS AT 5.09 Fe STAIN DIPS AT 90°-85° TO CORE AXIS
			6.70		
			7.92		SILTSTONE WITH MEDIUM INTERBEDDED CARBONACEOUS MUDSTONE, SANDY PHASES
			8.14		BONE COAL AND VERY CARBONACEOUS MUDSTONE AT 7.92-8.14
			10.60		
			11.56		MUDSTONE VERY CARBONACEOUS WITH SILTY AND SANDY PHASES
			11.80		COAL CLEAN, BRIGHT AND BLOCKY (1.80/1.49)
			13.31		MUDSTONE VERY CARBONACEOUS AND BONE COAL
			13.51		
			15		COAL CLEAN, BRIGHT AND BLOCKY (2.0/1.79)
			15.51		MUDSTONE VERY CARBONACEOUS
			16.24		COAL CLEAN BRIGHT AND BLOCKY (1.80-1.73)
			17.40		
			18.00		MUDSTONE VERY CARBONACEOUS, MINOR CLEAN COAL PARTINGS
			18.00		COAL GENERALLY BRIGHT, WITH SOME BONE COAL
			20.10		MUDSTONE PARTING
			20.40		COAL, CLEAN AND BRIGHT
			21.77		MUDSTONE VERY CARBONACEOUS, CLEAN COAL PARTINGS
			22.77		COAL CLEAN CRUSHED
			22.77		MUDSTONE WITH SILTY AND SANDY PHASES
			24.40		
			25		SANDSTONE, SILTSTONE THINLY INTERBEDDED
			25		SANDSTONE FINE GRAIN TO VERY FINE GRAIN CONVOLUTED IN PLACES
			26.21		DIPS AT 75° TO CORE AXIS
			29.11		MUDSTONE CARBONACEOUS, WITH MINOR SANDY AND SILTY PHASES
			29.11		DIP APPEARS 90° TO CORE AXIS
			29.11		CLEAN COAL PARTING AT 29.11 6"
			31.55		
			32.01		SILTSTONE DIPS AT 85° TO CORE AXIS
			33.84		MUDSTONE SILTSTONE, SANDSTONE MEDIUM INTERBEDDED, MINOR COAL PARTING AT 33.84
			34.14		
			34.75		SANDSTONE FINE GRAINED TO MEDIUM GRAINED DIPS 75°-80° TO CORE
			35		
			38.41		SILTSTONE, MUDSTONE WITH MINOR SANDY PHASES
			40		END OF HOLE

LOWER CRETACEOUS

GETTING

TECK CORPORATION LIMITED

STRATIGRAPHIC LOG

OF

WDH. BW-27

488

VERTICAL SCALE 1 : 200

Pr-Burnt River 78 (3)A.

PROJECT BURNT RIVER LOCATION SUKUNKA RIVER
 HOLE NO BW-27 CORE SIZE _____ DATUM _____
 CO-ORDINATES _____ N _____ E DATE STARTED _____
 COLLAR ELEVATION _____ METRES DATE FINISHED _____
 HOLE ANGLE -90° TOTAL DEPTH 34.44 M. LOGGED BY B.I. McCLYMONT

SERIES	FORMATION	MEMBER	DISTANCE FROM DATUM	COLUMNAR SECTION	LITHOLOGIC DESCRIPTION
LOWER CRETACEOUS	GETHING		0		
			1.22	<i>Overburden</i>	
			5		SANDSTONE, FINE TO MEDIUM GRAINED, CARBONACEOUS, CROSS-BEDDED FINELY INTERBEDDED SILTS - CONVOLUTED MUDSTONE 5.85-6.10 MASSIVE PYRITE AT 6.10 M.
			7.0		
			10		MUDSTONE, BLACK, VERY CARBONACEOUS, HARD, CLEAN COAL PARTINGS COAL 7.92-8.17 AND 10.60-10.75, GENERALLY BRIGHT, CLEAN, BLOCKY.
			11.89		
			15		VERY FINE GRAINED SANDY SILTSTONE GRADING TO VERY FINE GRAINED SILTY SANDSTONE AT 13.56. SANDSTONE WITH CONVOLUTED CARBONACEOUS SILTS AT 16.15
			16.46		
			20		MUDSTONE, DARK GREY TO BLACK, COAL PARTINGS, BADLY BROKEN AND CRUSHED FRUIT GOUGE AT 17.83-18.73 ; 21.12-21.18 10 CM. COAL PARTINGS AT 18.29, 20.11 AND 20.73
			21.18		COAL, CLEAN, BRIGHT, BLOCKY 2.59 / 2.41
			23.77		
			25		MUDSTONE, VERY CARBONACEOUS, COAL PARTINGS 20% CLEAN COAL 25.0-25.39
	29.87				
	30		SILTSTONE, SANDY PHASES		
	31.70		MUDSTONE, VERY CARBONACEOUS		
	33.53				
	34.14		SILTSTONE, COARSE GRAINED SANDSTONE, COARSE GRAINED, COAL WISPS, MINOR CONVOLUTED SILTS		
	34.44		END OF HOLE		
	35				

TECK CORPORATION LIMITED

STRATIGRAPHIC LOG

OF

WDH. BW-28

488

VERTICAL SCALE 1 : 200

PR - BURNT RIVER 78 (3)A

PROJECT BURNT RIVER LOCATION SUKUNKA
 HOLE NO BW-28 CORE SIZE AX DATUM GROUND LEVEL
 CO-ORDINATES _____ N _____ E DATE STARTED _____
 COLLAR ELEVATION 1183 METRES DATE FINISHED _____
 HOLE ANGLE 90° TOTAL DEPTH 53.72 M. LOGGED BY B. McCLYMONT

SERIES	FORMATION	MEMBER	DISTANCE FROM DATUM	COLUMNAR SECTION	LITHOLOGIC DESCRIPTION
LOWER CRETACEOUS	GETHING		0		SANDSTONE FINE GRAINED VERY SILTY
			1.83		SANDSTONE MEDIUM TO COARSE GRAINED CARBONACEOUS WHISPS SILT LAMINATIONS 1.83-2.73; MUD BLEBS AND COAL WHISPS 2.44 - 4.57
			4.57		BASICALLY MUDSTONE SILTSTONE MEDIUM INTERBEDDED MINOR SANDSTONE BLACK TO GREY CARBONACEOUS TO VERY CARBONACEOUS, COAL PARTINGS AND WHISPS NUMEROUS COAL PARTINGS AND WHISPS 10.67 - 11.43
			10		
			11.30		COAL 11.30 - 11.90 CLEAN, BRIGHT BLOCKY
			12.40		11.90 - 12.40 DIRTY, BLOCKY, MUDSTONE PARTINGS, DULL DIPS AT 75°-80° TO CORE
			14.81		DIPS AT 70° TO 75° TO CORE
			15.70		
			16.60		MAINLY SANDSTONE WITH FINELY CONVOLUTED SILTSTONE THIN TO MEDIUM INTERBEDDED MUDSTONE, SILTSTONE 15% CARBONACEOUS MUDSTONE, SILTSTONE 15.70 - 16.60 COAL 16.25 - 16.46 CLEAN AND BRIGHT
			20		SANDSTONE FINE GRAINED TO MEDIUM GRAINED CARBONACEOUS CROSS BEDDED DIPS AT 75° TO CORE AT 14.93 DIPS AT 70° TO CORE AT 25.90
			25		
			29.50		BASICALLY SILTSTONE, CARBONACEOUS AND MUDDY PHASES THINLY INTERBEDDED SANDSTONE 15% MEDIUM GRAINED CARBONACEOUS CONVOLUTED BEDDING MINOR CALCITE AT 27.0 DIPS AT 80° TO CORE
	30				
	35				
	37.20		MUDSTONE, CARBONACEOUS TO VERY CARBONACEOUS HARD, BLOCKY, CLEAN COAL 42.37 TO 42.49 INTERBEDDED SANDSTONE 39.32 TO 39.77 DIPS AT 75° TO CORE AXIS		
	40				
	45				
	43.0		COAL CLEAN, BRIGHT, BLOCKY 3.0/2.71		
	48.12		MUDSTONE CARBONACEOUS, FINE CALCITE WHISPS		
	49.70		COAL CLEAN BRIGHT BLOCKY 50/40 DIPS AT 80° TO CORE		
	50.36		MUDSTONE, CARBONACEOUS CLEAN COAL PARTINGS 20%, BLOCKY TO BROKEN SANDSTONE CONVOLUTED SILTSTONE AND MUDSTONE FINE TO MEDIUM GRAINED, CARBONACEOUS DIPS AT 75% TO CORE		
	52.80		COAL CLEAN BRIGHT BLOCKY 92/92		
	53.72		END OF HOLE HOLE SQUEEZING, RODS STUCK, HOLE STOPPED AT 53.72		
	55				

TECK CORPORATION LIMITED

STRATIGRAPHIC LOG OF WDH. BW-29

488

VERTICAL SCALE 1 : 200

PR - BURNT RIVER 78(3)A

PROJECT BURNT RIVER LOCATION SUKUNKA
 HOLE NO BW-29 CORE SIZE AX DATUM GROUND LEVEL
 CO-ORDINATES _____ N _____ E DATE STARTED _____
 COLLAR ELEVATION 1165.4 METRES DATE FINISHED _____
 HOLE ANGLE 90° TOTAL DEPTH 41.0 M. LOGGED BY B. McCLYMONT

SERIES	FORMATION	MEMBER	DISTANCE FROM DATUM	COLUMNAR SECTION	LITHOLOGIC DESCRIPTION
LOWER CRETACEOUS	GETHING		0		OVERBURDEN
			1.06		SANDSTONE SILTSTONE THINLY INTERBEDDED, Fe CONCENTRATE DIPS 85°-90° TO CORE
			3.35		SANDSTONE MEDIUM TO FINE GRAINED CONVOLUTED WITH THINLY INTERBEDDED SILTSTONE
			4.42		SILTSTONE MINOR SANDSTONE, Fe CONCENTRATE BADLY BROKEN 7.46-8.07 BECOMING MORE CARBONACEOUS WITH DEPTH
			5		
			8.07		SANDSTONE SILTSTONE THINLY INTERBEDDED 50% 50%
			10		SANDSTONE MEDIUM TO FINE GRAINED SOME CROSS BEDDING CONVOLUTED IN PLACES WITH CARBONACEOUS WHISPS DIPS AT 75°-80° TO CORE AT 15.5
			15		
			20		DIPS AT 65° TO CORE AT 20.42
			21.03		SILTSTONE MUDSTONE BECOMING MORE CARBONACEOUS WITH COAL WHISPS
			22.68		COAL CLEAN, BRIGHT, BLOCKY (2.72/1.98)
			25		SANDSTONE SILTSTONE THINLY INTERBEDDED SANDSTONE FINE GRAINED DIPS AT 60° TO CORE AT 27.43 DIPS AT 70° TO CORE AT 31.40
			25.40		
			30		DIPS AT 65° TO CORE AT 35.53
	34.60		MUDSTONE VERY CARBONACEOUS AND BONY		
	35.90		COAL CLEAN, BRIGHT, BLOCKY (2.92/2.21) HIGH ASH 36.02 - 36.20		
	37.26		MUDSTONE COAL CLEAN		
	37.40		BONE COAL WITH CARBONACEOUS MUDSTONE		
	37.72		COAL (2CM) CLEAN BRIGHT WITH (4CM) BONE COAL		
	38.7		MUDSTONE CARBONACEOUS WITH MINOR CONVOLUTED SANDSTONE AND SILTSTONE DIPS AT 65°-70° TO CORE		
	38.82				
	40				
	41.00		END OF HOLE		

TECK CORPORATION LIMITED

STRATIGRAPHIC LOG OF WDH. BW-30

488

VERTICAL SCALE 1 : 200

Pr. Buent River 78(3)A.

PROJECT BURNT RIVER LOCATION SUKUNKA
 HOLE NO BW-30 CORE SIZE AX DATUM GROUND LEVEL
 CO-ORDINATES _____ N _____ E DATE STARTED _____
 COLLAR ELEVATION 1252 METRES DATE FINISHED _____
 HOLE ANGLE 90° TOTAL DEPTH 26.21 M. LOGGED BY B. McCLYMONT

SERIES	FORMATION	MEMBER	DISTANCE FROM DATUM	COLUMNAR SECTION	LITHOLOGIC DESCRIPTION
LOWER CRETACEOUS	GETHING		0		OVERBURDEN
			1.83		SILTSTONE WITH THINLY INTERBEDDED FINE GRAINED SANDSTONE DIPS AT 65° TO CORE
			4.57		MUDSTONE CARBONACEOUS TO VERY CARBONACEOUS WITH COAL PARTING AT 7.83-7.89 AND 8.11-8.17
			8.53		SILTSTONE MUDSTONE MEDIUM INTERBEDDED WITH COAL PARTING AT 10.85-10.91
			10		SILTSTONE LIGHT GREY TO DARK GREY
			10.83		MUDSTONE CARBONACEOUS TO VERY CARBONACEOUS
			15		
			18.00		SANDSTONE SILTSTONE THINLY INTERBEDDED MUDDY IN PART 70% 30%
			20		SANDSTONE FINE GRAINED SILTY, CARBONACEOUS CONVOLUTED BEDDING 65° TO CORE AT 18.75 60° TO CORE AT 20.10, 70° TO CORE AT 20.70
			21.03		SILTSTONE GRADING TO SILTY MUDSTONE
	23.47				
	25		MUDSTONE CARBONACEOUS COAL PARTINGS		
	26.21		END OF HOLE		

TECK CORPORATION LIMITED

STRATIGRAPHIC LOG

OF

WDH. BW-31

488

VERTICAL SCALE 1 : 200

Pr. Buert River 78(3)A.

PROJECT BUANT RIVER LOCATION SUKLINKA
 HOLE NO BW-31 CORE SIZE AX DATUM GROUND LEVEL
 CO-ORDINATES _____ N _____ E DATE STARTED _____
 COLLAR ELEVATION 1210 METRES DATE FINISHED _____
 HOLE ANGLE 90° TOTAL DEPTH 12.50 M. LOGGED BY B. McCLYMONT

SERIES	FORMATION	MEMBER	DISTANCE FROM DATUM	COLUMNAR SECTION	LITHOLOGIC DESCRIPTION
LOWER CRETACEOUS	GETHING		0		<p>MUDSTONE, SILTSTONE, MEDIUM INTERBEDDED WITH PHASES OF SANDSTONE</p> <p>MUDSTONE, SILTY IN PART MINOR SANDS AT 10.67 REPORTED COAL PARTINGS AT 10.06</p> <p>MUDSTONE; CARBONACEOUS, SOFT</p> <p>END OF HOLE</p>
		4.57	7.62		