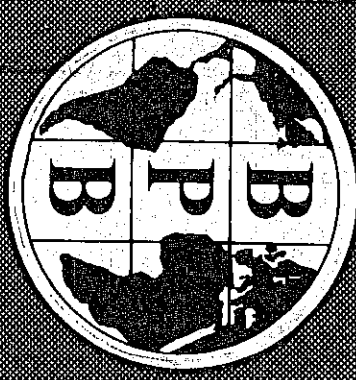


Mr. Brent Kline 78181A



BOREHOLE BR-16
 CLIENT Brameda Resources
 AREA Burnt River, B.C.
 COUNTRY Canada
 DATE LOGGED 1/11/78

DEPTH SCALE
 1:200
 1 of 4 LOSS

COAL LITHOLOGY LOG

BOREHOLE DATA
 PERMANENT DATUM Ground Level
 ELEVATION OF P.D. B.P.B.
 MEASUREMENT FROM G.L. 126.5m
 DEPTH REACHED 126.5m
 CASING SHOE 2m
 BIT SIZES 1 1" TO T.D., 2 TO TO
 3 TO TO
 CASING SIZES 1 3/4" TO 2m, 2 TO TO

SONDE TYPE: Quik-Set
 COAL COMBINATION SONDE
 488

LOG SUITE:
 GAMMA RAY
 L.S. DENSITY
 CALIPER

OPERATION DATA
 FIRST READING 12.3m
 LAST READING 0
 INTERVAL LOGGED 123m
 UNIT - TRUCK NO. VZ 5/42
 ENGINEER D.H./R.B.
 WITNESS

EQUIPMENT AND RECORDING DATA

COAL COMBINATION SONDE													
LOG	EQUIPMENT		TAPING			PANEL		CAL COEFF.	DEPTHS		SEAM LOG RUN		
	SONDE	SOURCE	CALIBRATOR	LOG TAPED	RECORD SPEED	DIRECT OF REPLAY	SPEED		T.C. SECS	NORM		FROM	TO
GAMMA RAY	110		3	Y	9	D	9	1	1.3	122	0	123	Y
L.S. DENSITY		45852	42	Y	9	D	9	1/3	7.55	123	1	123	Y
CALIPER		SIDEWALL POSITION		Y	9	R	9	1/3	-	123	1	123	Y

COAL QUALITY/SEAM THICKNESS LOG INTERVALS (Refer to relevant log)

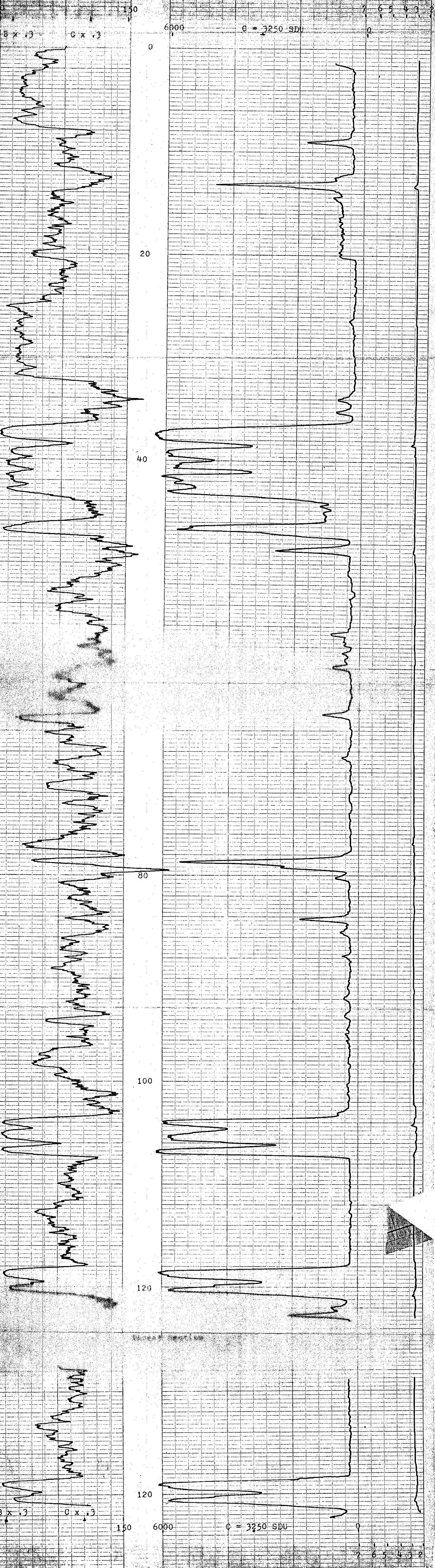
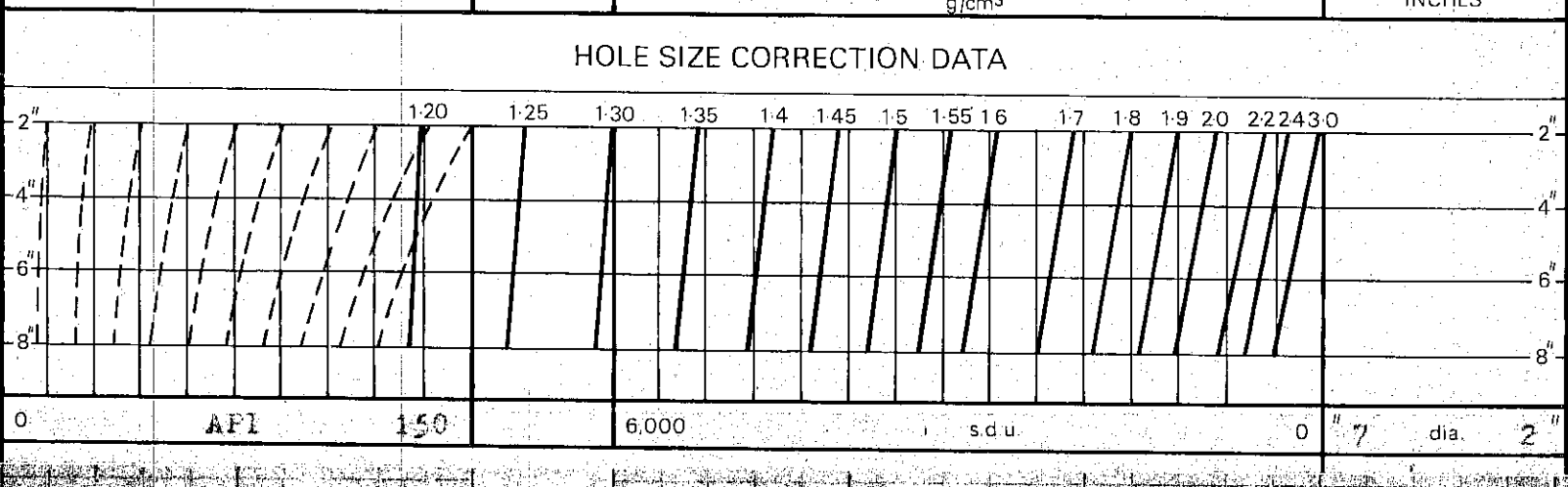
FROM	TO	INTERVAL	SEAM THICKNESS	COAL QUALITY
122	106	16	81	49
117	102	15	77	35
5	6	1	4	14
				INTERVAL TOTAL
				29m

ADDITIONAL SONDES RUN

SONDE	LOG	GENERAL SCALE LOG	DETAIL SCALE LOG	REMARKS
18	NR	1:200		REFER TO ADDITIONAL HEADINGS

B.P.B. COAL LITHOLOGY LOG
 CALIBRATION DATA

JIG No. 3	VALUE 30 @ 2" DIAM.	JIG CAL. DATE 28/10/77	JIG VALUE 3250 SDU @	g/cm ³	2 ins 430 cps
JIG MARK SHOWN AT ABOVE VALUE 3.33		JIG No. 42	SPAN 6000	NORM SDU/CPS = 7.55	7 ins 905 cps



GAMMA RAY	DEPTH	COAL BULK DENSITY	CALIPER
API		g/cm ³	INCHES

BOREHOLE BR-16 AREA Burnt River, B.C.
 CLIENT Brameda Resources COUNTRY Canada



COAL LITHOLOGY LOG



Mc - Burnt River 78/51A.

SEAM THICKNESS LOG

SONDE TYPE:
COAL COMBINATION
SONDE

LOG SUITE:
CALIPER
B.R. DENSITY

BOREHOLE BR-17
CLIENT BRAMEDA RESOURCES

AREA BURNT RIVER
COUNTRY CANADA
DATE LOGGED 31/10/78

DEPTH SCALE 20:1
3 OF 4 LOGS

BOREHOLE DATA REFER TO LITHOLOGY LOG
OPERATION DATA REFER TO LITHOLOGY LOG
EQUIPMENT AND RECORDING DATA
COAL COMBINATION SONDE:
SIDEWALL POSITION

LOG	TAPING	LOG RECORD TAPED	DIRECT RELAY	SPEED SECS	T.C. SECS	NORM	COEFF
CALIPER	Y	2	R	2	1		
B.R. DENSITY	Y	2	R	2	1	.7d	

SOURCE SONDE AND CALIBRATION
REFER TO LITHOLOGY LOG

SEAM THICKNESS LOG INTERVALS

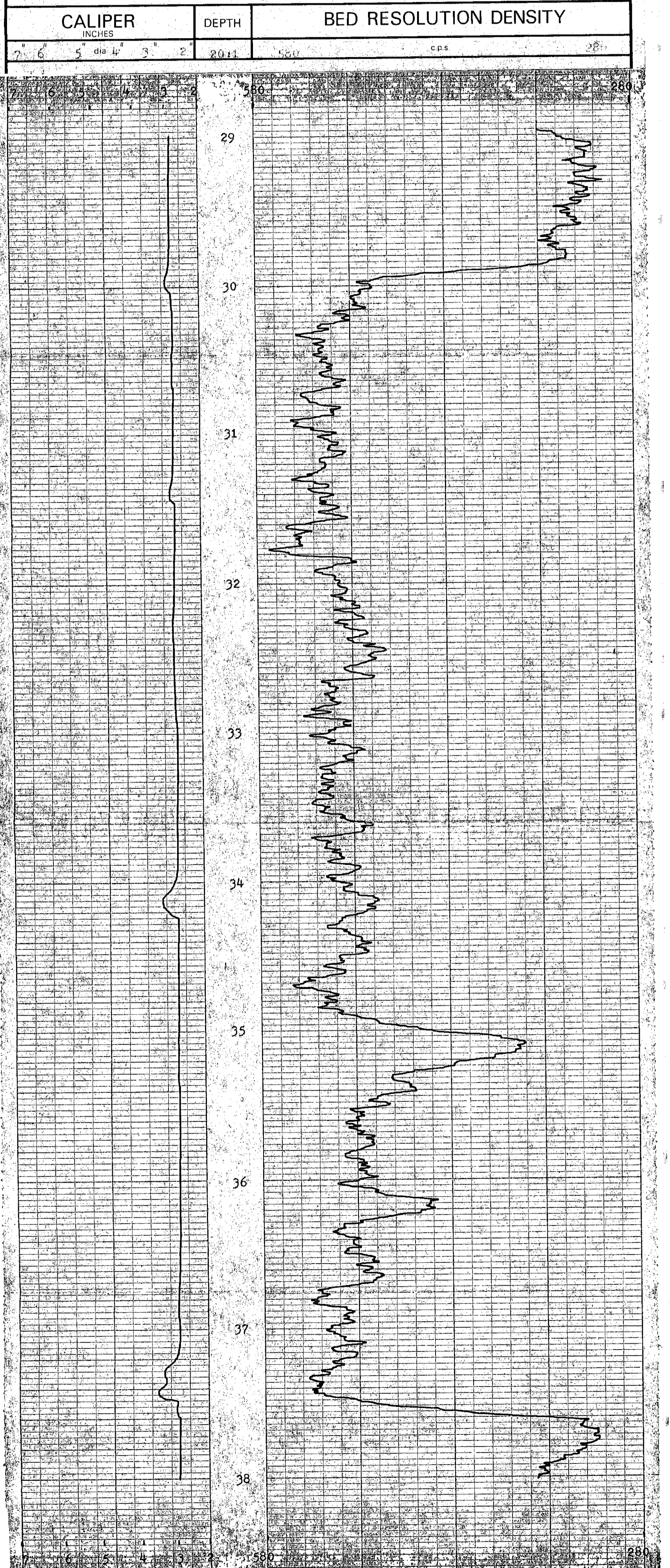
FROM 36m
TO 29m
INTERVAL 9m

INTERNAL INTERVAL TOTAL
TO
INTERNAL INTERVAL ± 9m

REMARKS

488

B P B SEAM THICKNESS LOG

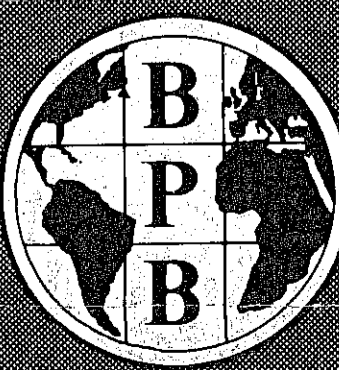


CALIPER INCHES	DEPTH	BED RESOLUTION DENSITY cps
2 3 4 5 6	29 30 31 32 33 34 35 36 37 38	280 580

BOREHOLE BR-17
CLIENT BRAMEDA RESOURCES

AREA BURNT RIVER
COUNTRY CANADA

SEAM THICKNESS LOG



M. Bickel Linea 71(5)A.



NEUTRON-NEUTRON LOG

COMPANY Brameda Resources
 BOREHOLE BR-18
 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.

Run No.	1	1:200	
Date	1/11/78		
First Reading	54m		
Last Reading	0		
Interval Measured	54m		
Casting #/PB			
Casting Driller	3m		
Depth Reached	54.6m		
Bottom Driller	54.9m		
Mud Nature	Quik-Gel		
S.G. Viscosity			
Bit Size 1	3" to TD	to	to
2	to	to	to
3	to	to	to
Casing Size 1	3 1/2" to 3m	to	to
2	to	to	to
Rm @ Meas. Temp.	@	@	@
Rmf @ Meas. Temp.	@	@	@
Rmc @ Meas. Temp.	@	@	@
BHT			
Operating Time	1 hr.		
Truck No.	V2E/42		
Recorded By	D.H./R.B.		
Witness			

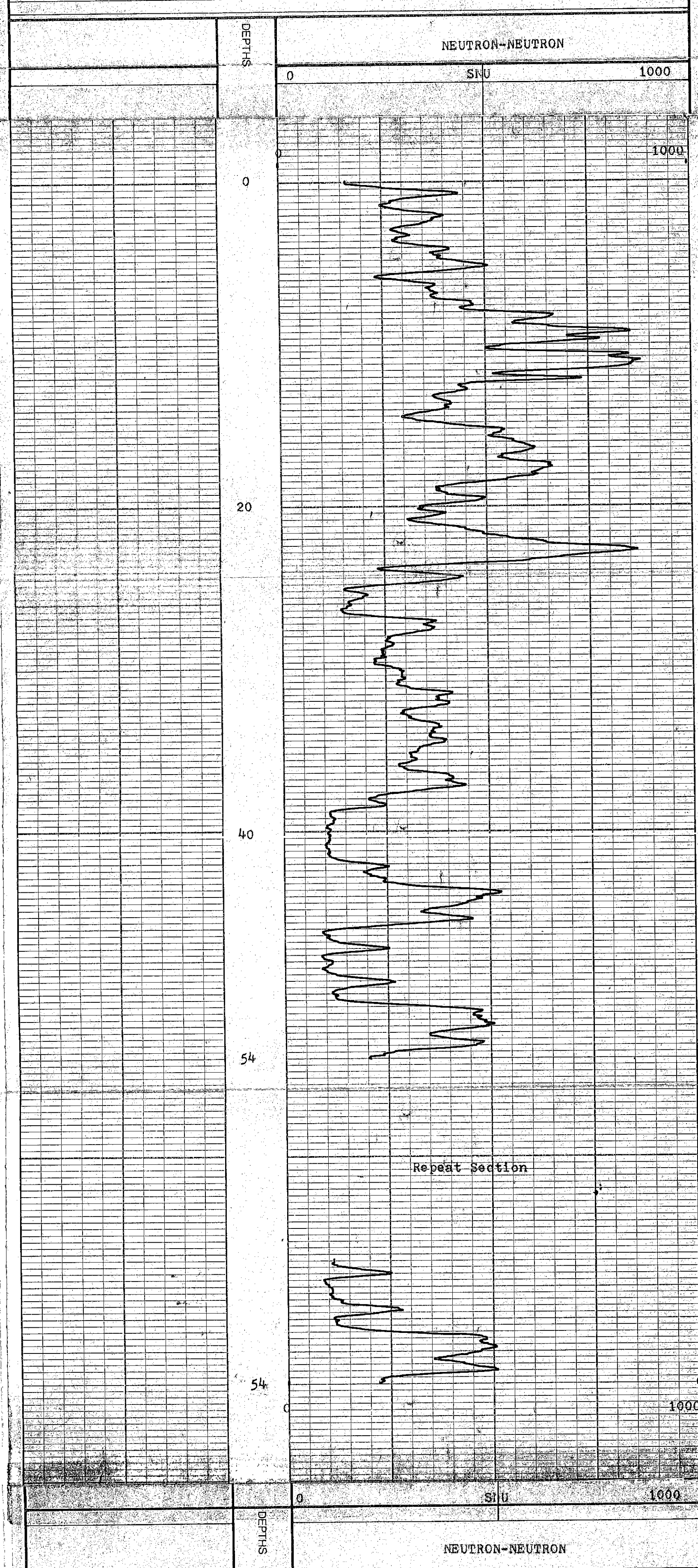
fold here

REMARKS

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				
Source of Sample		Equipment Data			
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.	Sonde No.	Source No.
	From	To				
N-N	54	0	9	1	.88	18 N6787

CCS would not go down hole



COMPANY Brameda Resources
 BOREHOLE BR-18
 STATE B.C.
 COUNTRY Canada

488

Mr. Brent Kline M.S.A.



COAL QUALITY LOG

LOG SUITE:
GAMMA RAY
L.S. DENSITY

SONDE TYPE:
COAL COMBINATION SONDE

BOREHOLE BR-20
 CLIENT Brameda Resources
 AREA Burnt River, B.C.
 COUNTRY Canada
 DATE LOGGED 1/11/78
 DEPTH SCALE 1:20
 2 of 4 LOGS

BOREHOLE DATA REFER TO LITHOLOGY LOG
 OPERATION DATA REFER TO LITHOLOGY LOG
 EQUIPMENT AND RECORDING DATA
 COAL COMBINATION SONDE:
 LOG TAPPING SIDEWALL POSITION
 LOG TAPPING PANEL CAL COEFF
 LOG RECORDING SPEED 1.5 S. NORM.
 GAMMA Y 2 R 2 2 1.3
 L.S. DENSITY X 2 R 2 2 1 7.55
 SOURCE SONDE AND CALIBRATION:
 REFER TO LITHOLOGY LOG

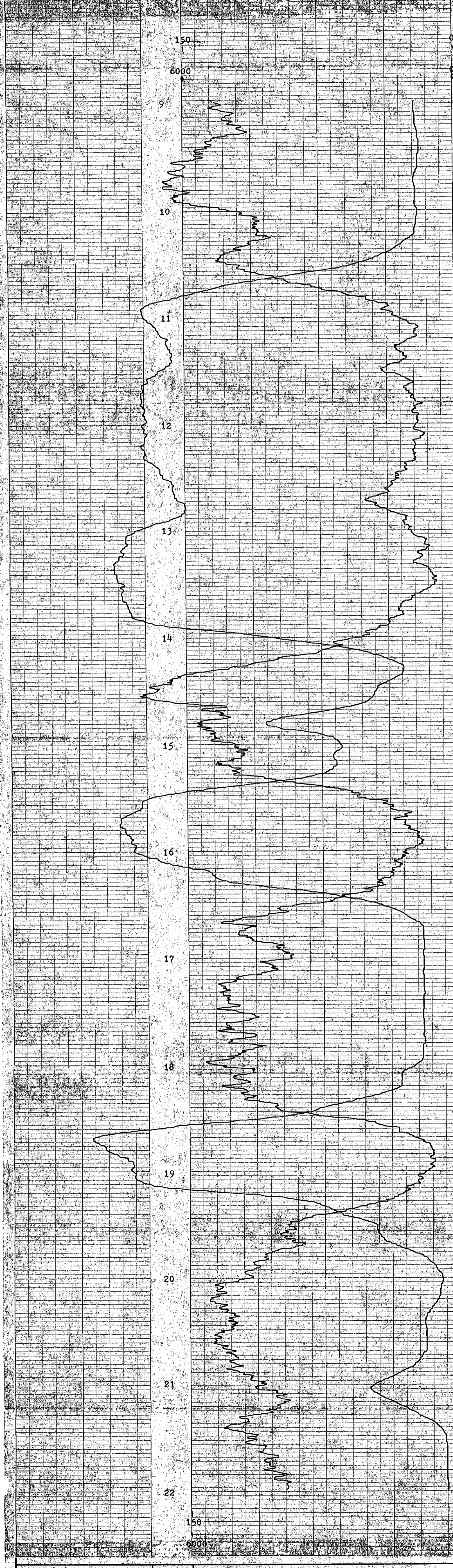
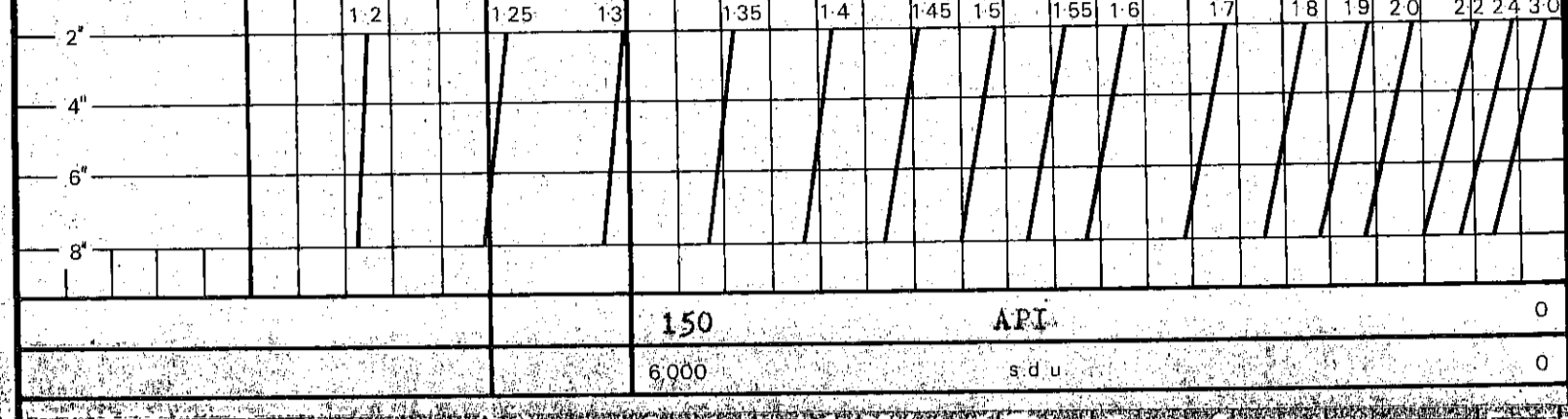
COAL QUALITY LOG INTERVALS
 FROM 22
 TO 9
 INTERVAL 13m
 FROM
 TO
 INTERVAL
 TOTAL
 REMARKS

488

BPB COAL QUALITY LOG

DEPTH
 GAMMA RAY
 COAL BULK DENSITY
 g/cm³

HOLE SIZE CORRECTION DATA



DEPTH
 GAMMA RAY
 COAL BULK DENSITY
 g/cm³



BOREHOLE BR-20
 CLIENT Brameda Resources
 AREA Burnt River
 COUNTRY Canada

COAL QUALITY LOG

MT-8802R



BR-20 - Burnt River Case 28(3)A

BOREHOLE BR-20
CLIENT Brameda Resources

AREA Burnt River, B.C.
COUNTRY Canada
DATE LOGGED 1/11/78
DEPTH SCALE 1:200
LOGS 1 of 4

COAL LITHOLOGY LOG

SONDE TYPE:
COAL COMBINATION SONDE

LOG SUITE:
GAMMA RAY
L.S. DENSITY
CALIPER

BOREHOLE DATA	
PERMANENT DATUM	Ground Level
ELEVATION OF P.D.	B.P.B.
MEASUREMENTS FROM	G.I.
DEPTH REACHED	24.3m
CASING SHOE	24.4m
TO	3m
BIT SIZES	1 3" TO 1 1/2" TO 2
TO	3
TO	4
TO	TO
CASING SIZES	1 3/4" TO 3m TO
FLUID DATA	
NATURE	Quik-Gel
SG.	
LEVEL	20m
VISCOSITY	
Rm at meas. temp.	
B.H.T.	
OPERATION DATA	
FIRST READING	23m
LAST READING	0
INTERNAL LOGGED	23m
UNIT - TRUCK No.	V25/42
ENGINEER	D.H./R.B.
WITNESS	

488

EQUIPMENT AND RECORDING DATA

LOG	EQUIPMENT			TAPING			PANEL		CAL. COEFF.	DEPTHS			SEAM LOG RUN	
	SONDE	SOURCE	CALIBRATOR	LOG TAPED	RECORD SPEED	DIRECT OR REPLAY	SPEED	T.C. SECS		NORM	FROM	TO		INTERVAL
GAMMA RAY	110		3	Y	9	D	9	1	1.3		22	0	22	Y
L.S. DENSITY		58.52	42	Y	9	D	9	1/3	7.55		23	1	22	Y
CALIPER				Y	9	R	9	1/3	-		23	1	22	Y

COAL QUALITY/SEAM THICKNESS LOG INTERVALS (Refer to relevant log)		INTERVAL TOTAL
FROM	22	
TO	9	
INTERVAL	13m	

ADDITIONAL SONDES RUN				REFER TO ADDITIONAL HEADINGS	REMARKS
SONDE	LOG	GENERAL SCALE LOG	DETAIL SCALE LOG		
18	N-N	1:200			

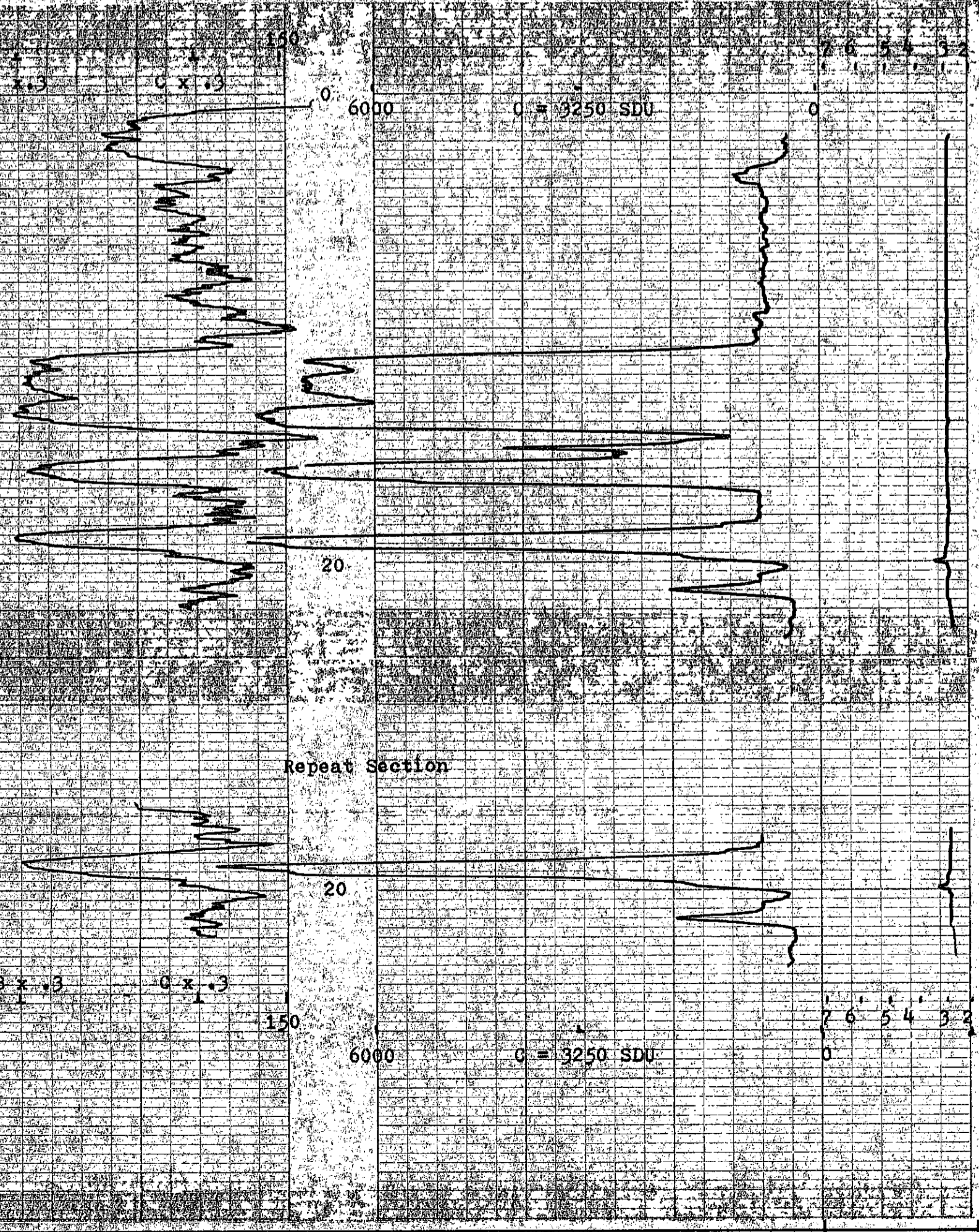
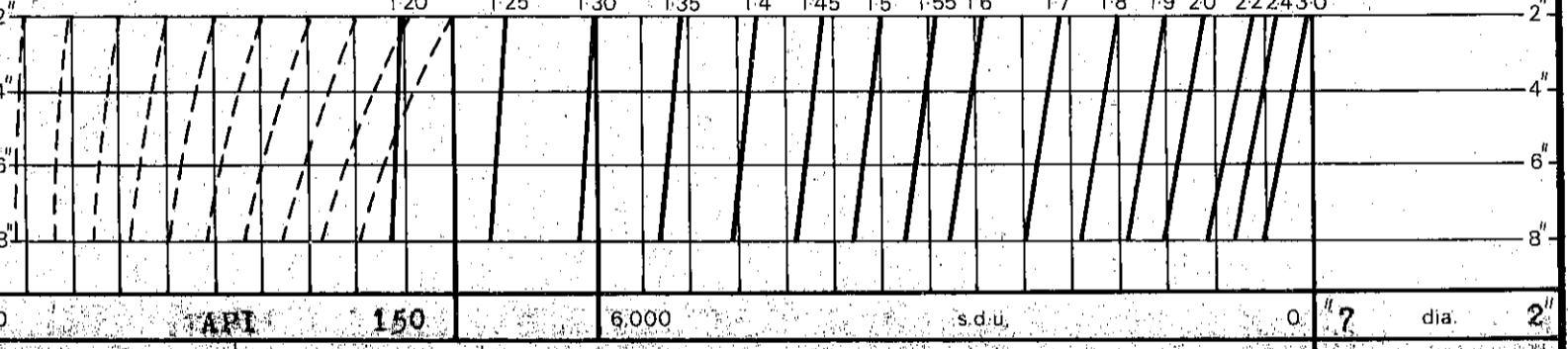
B P B COAL LITHOLOGY LOG

CALIBRATION DATA

JIG No. 3	VALUE 300 @ 2" DIAM.	JIG CAL DAT 28/10/78	IG VALUE 3250	SDU @	g/cm ³	2 ins	430 cps
JIG MARK SHOWN AT ABOVE VALUE -3.3		JIG No. 42	SPAN 6000	NORM	SDU CPS = 7.55	7 ins	905 cps

GAMMA RAY	DEPTH	COAL BULK DENSITY	CALIPER
		g/cm ³	INCHES

HOLE SIZE CORRECTION DATA



GAMMA RAY	DEPTH	COAL BULK DENSITY	CALIPER
		g/cm ³	INCHES

Mr. Brent Kivee 78 (3)A.



NEUTRON-NEUTRON LOG

COMPANY Brameda Resources
 BOREHOLE BR-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 E _____ N _____ R.L. _____
 Run No. 1 Depth Scale 1:200
 Date 1/11/78
 First Reading 24m
 Last Reading 0
 Interval Measured 24m
 Casing B.P.B. _____
 Casing Driller _____
 Depth Reached _____
 Bottom Driller _____
 Mud Nature _____

REFER TO LITHOLOGY LOG

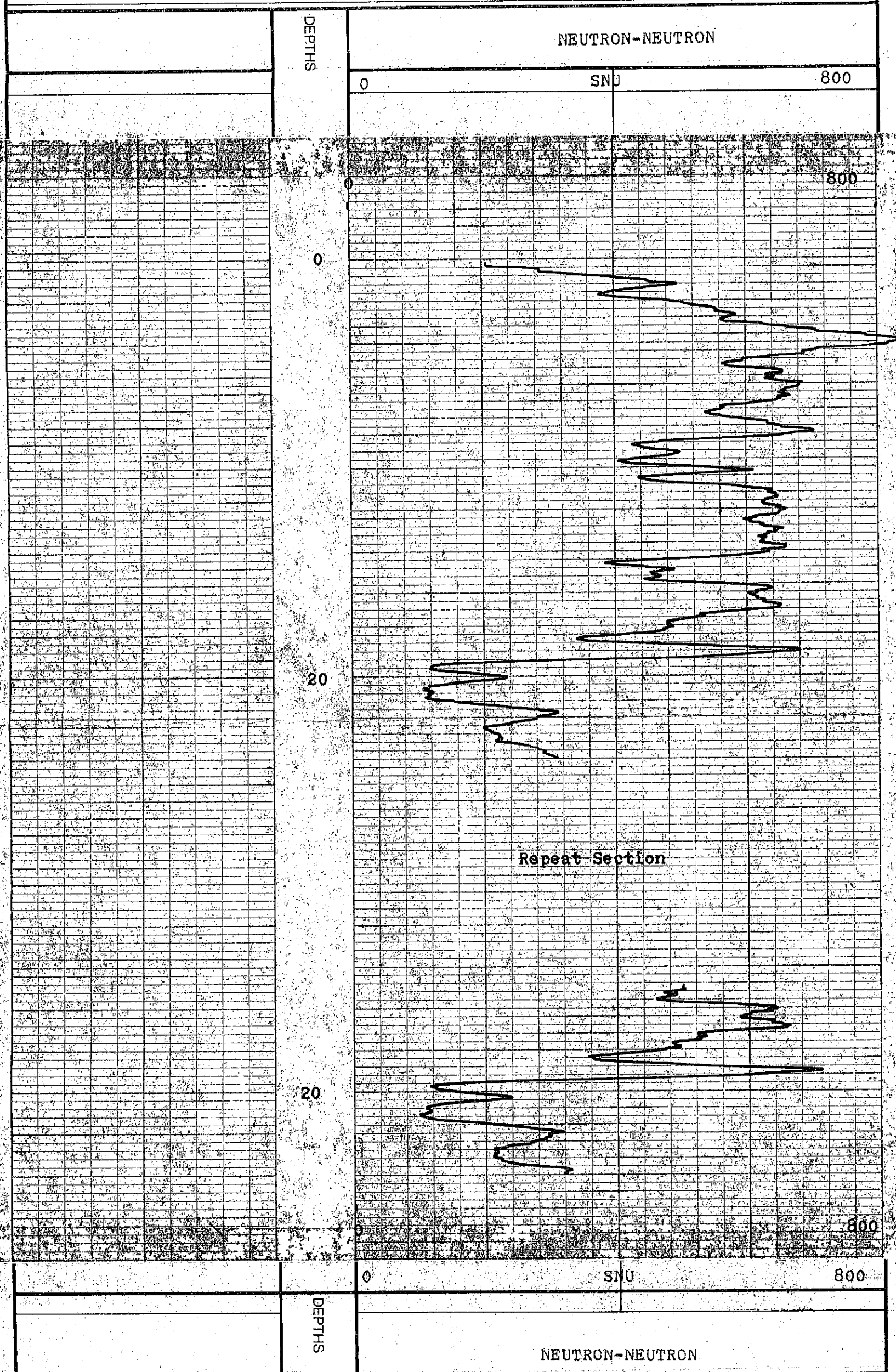
SG Viscosity _____ to _____
 Bit Size 1 _____ to _____
 2 _____ to _____
 3 _____ to _____
 Casing Size 1 _____ to _____
 2 _____ to _____
 Rm @ Meas Temp. _____ @ _____
 Rmf @ Meas Temp. _____ @ _____
 Rmc @ Meas Temp. _____ @ _____
 BHT _____
 Operating Time _____
 Truck No. _____
 Recorded By _____
 Witness _____

488

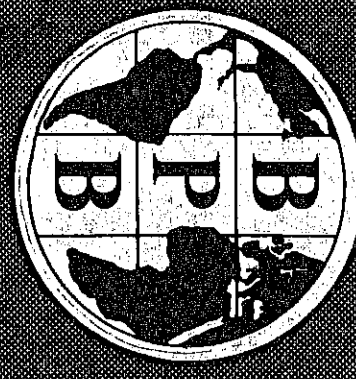
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REMARKS

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	24	0	9	1	.88	18	N6787



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



BR-21
Brameda Resources

AREA Burnt River, B.C.
COUNTRY Canada
DATE LOGGED 1/11/78

DEPTH SCALE
1:200

LOGS
1 of 4

COAL LITHOLOGY LOG

SONDE TYPE:
COAL COMBINATION SONDE

LOG SUITE:
GAMMA RAY
L.S. DENSITY
CALIPER

BOREHOLE DATA	
PERMANENT DATUM	Ground Level
ELEVATION OF P.D.	
DRILLER	B.P.B.
MEASUREMENTS FROM	G.I.
DEPTH REACHED	77.1m
CASING SHOE	40ft.
BIT SIZES	1 3" TO TD 2 TO 3 TO 4 TO 1 3/4" TO 40ft 2 TO
FLUID DATA	
NATURE	Water
SG	
LEVEL	20m
VISCOSITY	
Temp at meas temp	
L.H.T.	
OPERATION DATA	
FIRST READING	76m
LAST READING	0
INTERNAL LOGGED	76m
UNIT - TRUCK NO.	V25/A2
ENGINEER	D.H./R.B.
WITNESS	

488

EQUIPMENT AND RECORDING DATA

LOG	EQUIPMENT			TAPING		PANEL		CAL COEFF	DEPTHS			SEAM LOG RUN	
	SONDE	SOURCE	CALIBRATOR	LOG TAPED	RECORD SPEED	DIRECT or REPLAY	SPEED		T.C. SECS	NORM	FROM		TO
GAMMA RAY	110		3	Y	9	D	9	1	1.3	75	0	75m	Y
L.S. DENSITY		45852	42	Y	9	D	9	1/3	7.55	76	1	75m	Y
CALIPER		SIDEWALL POSITION		Y	9	R	9	1/3	-	76	1	75m	Y

COAL QUALITY/SEAM THICKNESS LOG INTERVALS (Refer to relevant log)			
FROM	74	56	INTERVAL TOTAL
TO	64	49	
INTERVAL	10m	7m	17m

ADDITIONAL SONDES RUN				REFER TO ADDITIONAL HEADINGS	REMARKS
SONDE	LOG	GENERAL SCALE LOG	DETAIL SCALE LOG		
18	N-N	1:200			

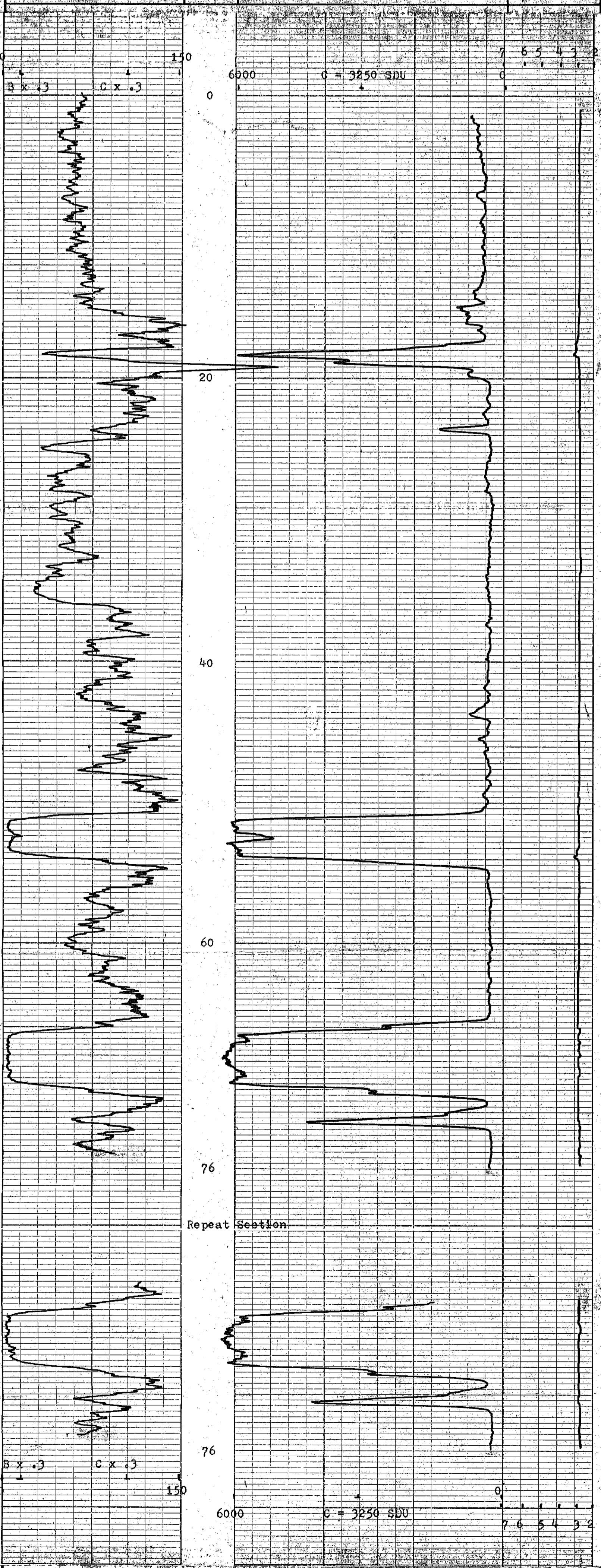
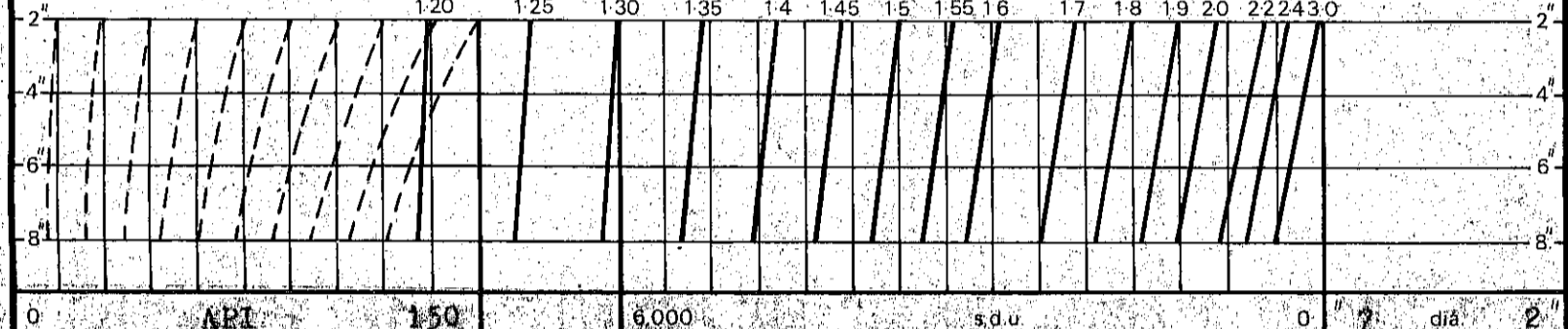
B P B COAL LITHOLOGY LOG

CALIBRATION DATA

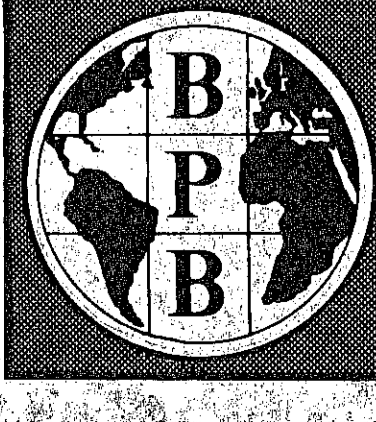
JIG No. 3	VALU 300 @ 2" DIAM.	JIG CAL. DATE 28/10/78	JIG VALUE 3250 SDU @	g/cm ³	2 ins 430 cps
JIG MARK SHOWN AT ABOVE VALUE 3.33		JIG No. 42	SPAN 6000	NORM SDU CPS = 7.55	7 ins 905 cps

GAMMA RAY	DEPTH	COAL BULK DENSITY	CALIPER
		g/cm ³	INCHES

HOLE SIZE CORRECTION DATA



GAMMA RAY	DEPTH	COAL BULK DENSITY	CALIPER
		g/cm ³	INCHES



BOREHOLE BR-21 AREA Burnt River
CLIENT Brameda Resources COUNTRY Canada

COAL LITHOLOGY LOG

As per BR 21/31A



BOREHOLE BR-21
CLIENT Brameda Resources

AREA Burnt River, B.C.
COUNTRY Canada
DATE LOGGED 1/11/78

DEPTH SCALE 1:20
2 of 4 LOGS

COAL QUALITY LOG

BOREHOLE DATA REFER TO LITHOLOGY LOG
OPERATION DATA REFER TO LITHOLOGY LOG
EQUIPMENT AND RECORDING DATA
COAL COMBINATION SONDE
SIDEWALL POSITION

LOG TAPPING PANEL LOG
GAMMA RAY SPEED 1.3 NORM
RAY SPEED REFRAY SPEED 2 2 1.3
L.DENSITY Y 2 R 2 1 7.55
SOURCE SONDE AND CALIBRATION

SONDE TYPE
COMBINATION
SONDE

LOG SUITE
GAMMA RAY
L.S. DENSITY

COAL QUALITY LOG INTERVALS
FROM 74 56
TO 64 49
INTERVAL 10 7

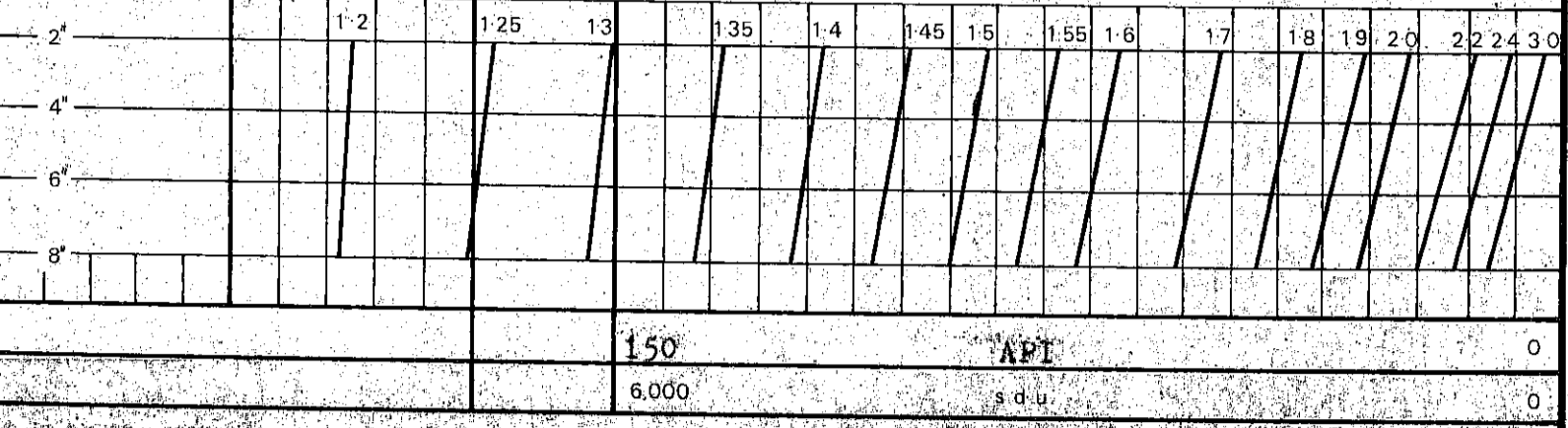
INTERNAL VAL TOTAL
INTERVAL 1.75

488

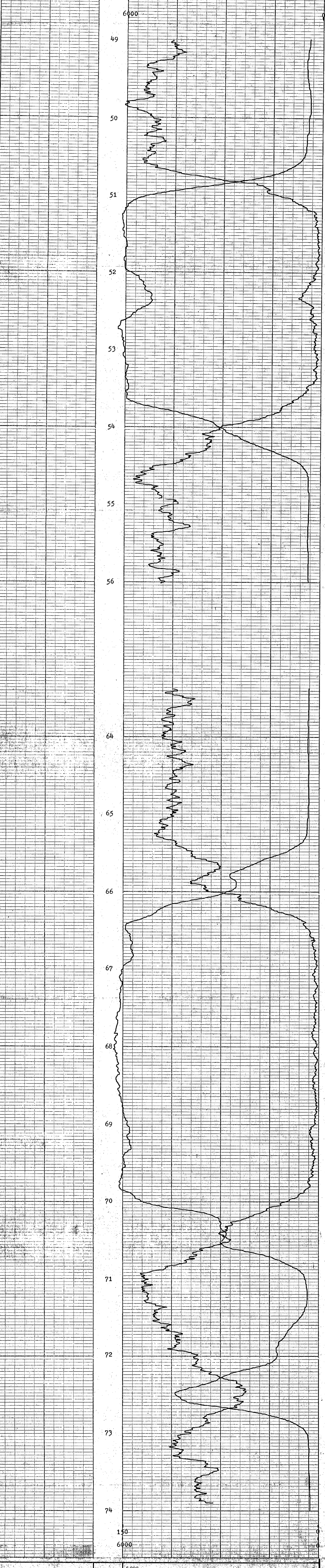
BPB COAL QUALITY LOG

DEPTH GAMMA RAY
COAL BULK DENSITY g/cm³

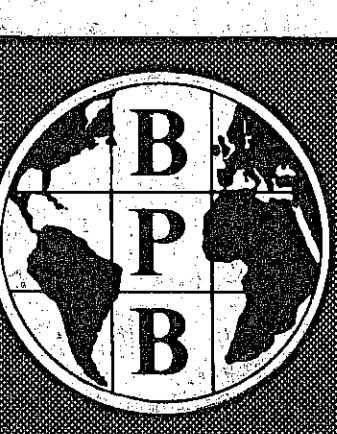
HOLE SIZE CORRECTION DATA



150 6000 API 0
6000 0

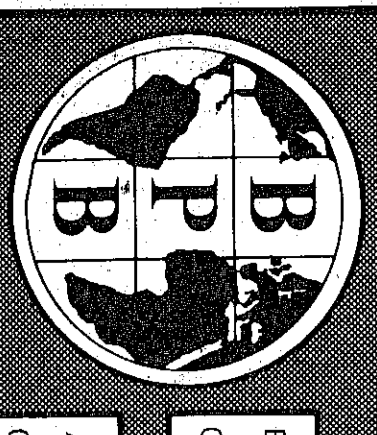


150 6000 API 0
6000 0
DEPTH GAMMA RAY
COAL BULK DENSITY g/cm³



BOREHOLE BR-21
CLIENT Brameda Resources
AREA Burnt River
COUNTRY Canada

COAL QUALITY LOG



12 - Burnt River (78(5)4

BOREHOLE BR-21
CLIENT Brameda Resources

AREA Burnt River, B.C.
COUNTRY Canada

DATE LOGGED 1/11/78

DEPTH SCALE 1:20

3 OF 4 LOGS

BOREHOLE DATA REFER TO LITHOLOGY LOG

OPERATION DATA REFER TO LITHOLOGY LOG

EQUIPMENT AND RECORDING DATA

COAL COMBINATION SONDE

LOG TAPPING RECORDING SPEED SCS NORM

CALIPER Y 2 R 2 1 1

BR DENSITY X 2 R 2 1 1.76

SOURCE SONDE AND CALIBRATION REFER TO LITHOLOGY LOG

SEAM THICKNESS LOG

SONDE TYPE:
COAL COMBINATION SONDE
LOG SUITE:
CALIPER
BR DENSITY

SEAM THICKNESS LOG INTERVALS

FROM 74 TO 56

INTERVAL 64 TO 49

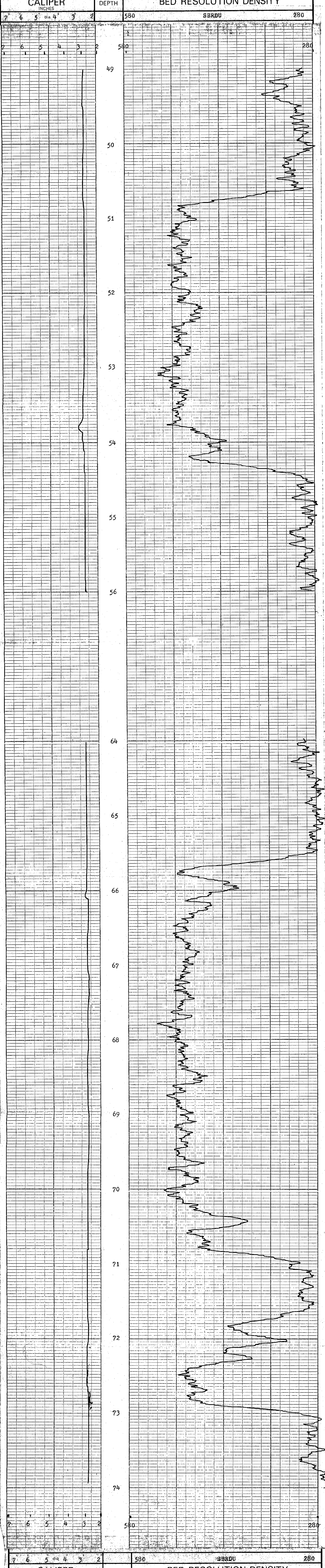
FROM 10 TO 7

INTERVAL FROM TO

REMARKS

488

B P B SEAM THICKNESS LOG



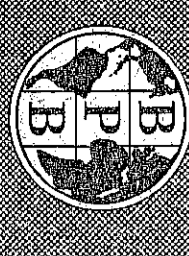
CALIPER INCHES	DEPTH	BED RESOLUTION DENSITY
7 6 5 dia 4 3 2	580	SBRDU 280

BOREHOLE BR-21 AREA Burnt River
CLIENT Brameda Resources COUNTRY Canada

SEAM THICKNESS LOG



11 - Burnt River 28(3)A.



NEUTRON-NEUTRON LOG

COMPANY Brameda Resources

BOREHOLE BR-21

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 1:200

Date 1/11/78

First Reading 77m

Last Reading 0

Interval Measured 77m

Casing B.P.B.

Casing Driller

Depth Reached

Bottom Driller

Mud Nature

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. @ °F

Rmf @ Meas Temp. @ °F

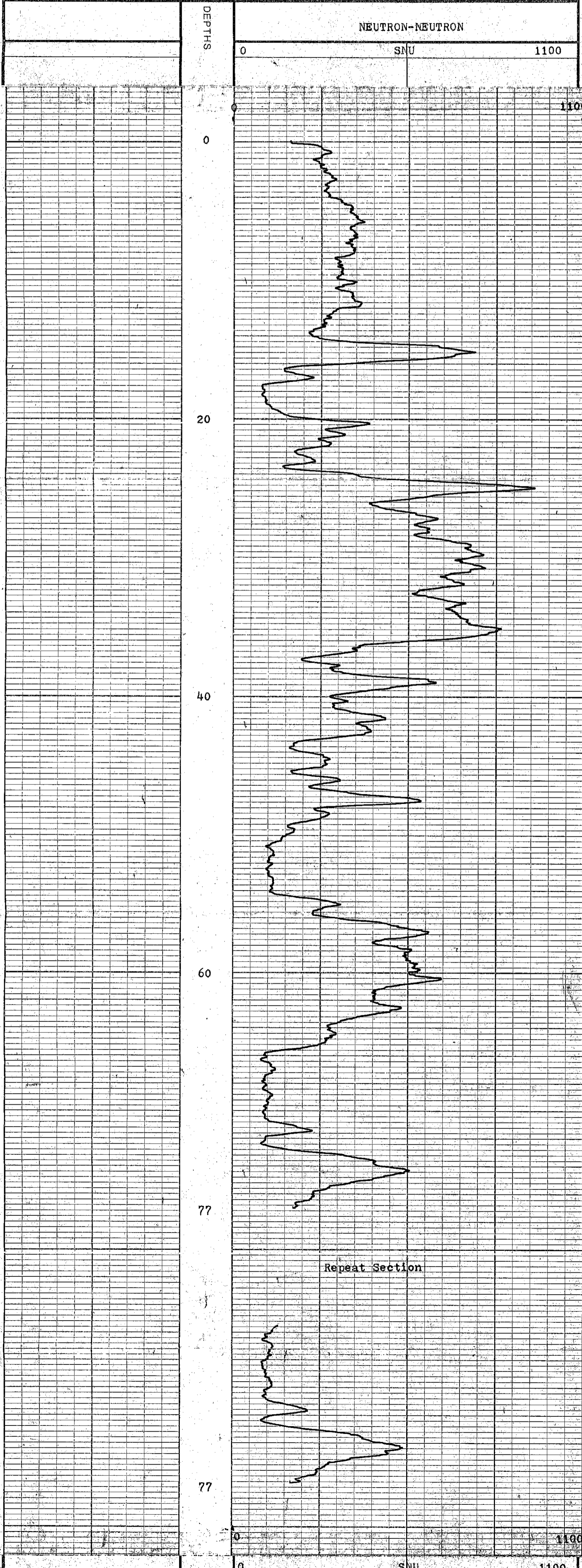
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REMARKS

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. ph.	Visc. 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 From	To	Speed	T.C.	Norm.	Source No. Number
N=N	77	0	9	1	.88	18 N6787



COMPANY Brameda Resources
 BOREHOLE BR-21
 FIELD Burnt River
 COUNTY STATE B.C.



12 - Burnt River 28/10/78

COAL LITHOLOGY LOG

COAL

SONDE TYPE: COAL COMBINATION SONDE

LOG SUITE: GAMMA RAY, L.S. DENSITY, CALIPER

BOREHOLE DATA

PERMANENT DATUM: Ground Level

ELEVATION OF FD: B.P.B.

MEASUREMENTS FROM: G.L.

DEPTH REACHED: 108.5m

CASING SHAPE: 108.5m

BIT SIZES: 1" TO 2", 2" TO 4", 4" TO 6"

CASING SIZES: 1" TO 2", 2" TO 4", 4" TO 6"

FLUID DATA: Quik-Gel

SG: 23.5m

LEVEL: 23.5m

VISCOSITY: 23.5m

From at these temp. B.H.T.

OPERATION DATA

FIRST READING: 108m

LAST READING: 0

INTERVAL LOGGED: 108m

UNIT - TRUCK No: V25/42

ENGINEER: D.H./R.B.

WITNESS: **488**

BOREHOLE: BR-22

CLIENT: Brameda Resources

AREA: Burnt River, B.C.

COUNTRY: Canada

DEPTH SCALE: 1:200

DATE LOGGED: 6/11/78

1 OF 4 LOGS

EQUIPMENT AND RECORDING DATA

COAL COMBINATION SONDE				TAPING			PANEL		CAL COEFF.	DEPTHS			SEAM LOG RUN
LOG	EQUIPMENT	SOURCE	CALIBRATOR	LOG TAPED	RECORD SPEED	DIRECT or REPLAY	SPEED	T.C. SECS	NORM	FROM	TO	INTERVAL	
GAMMA RAY	110		3	Y	9	D	9	1	1.3	107	0	107	Y
L.S. DENSITY		M5852	42	Y	9	D	9	1/3	7.40	108	1	107	Y
CALIPER	SIDEWALL POSITION			Y	9	R	9	1/3		108	1	107	Y

COAL QUALITY/SEAM THICKNESS LOG INTERVALS (Refer to relevant log)

FROM	TO	INTERVAL	INTERVAL TOTAL
104	85	8	14m
96	79	6	

ADDITIONAL SONDES RUN

SONDE	LOG	GENERAL SCALE LOG	DETAIL SCALE LOG	REFER TO ADDITIONAL HEADINGS	REMARKS
18	N-N	1:200			

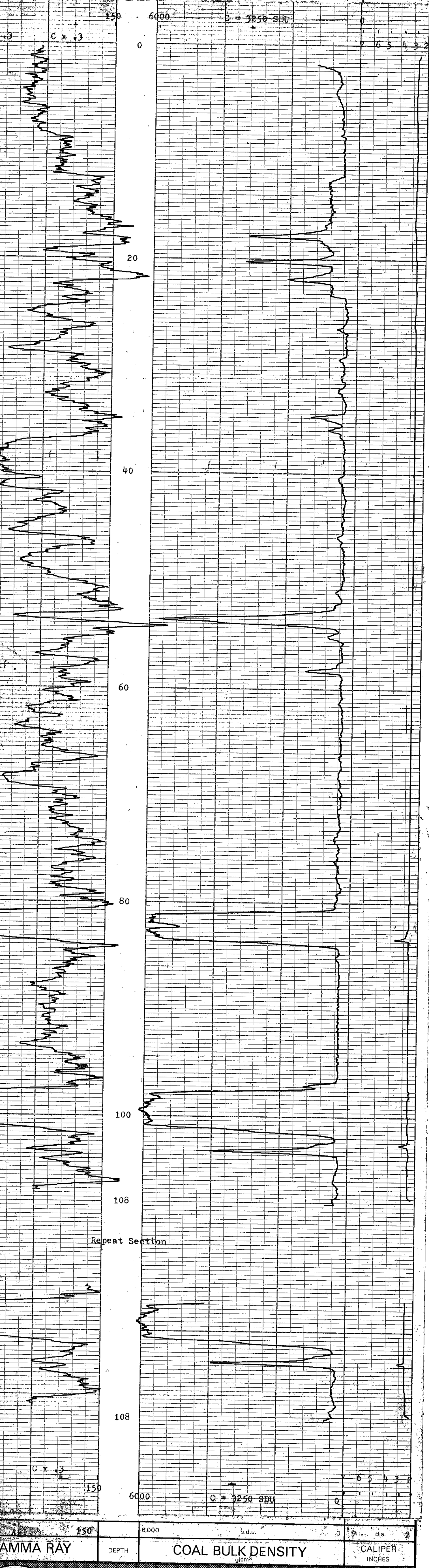
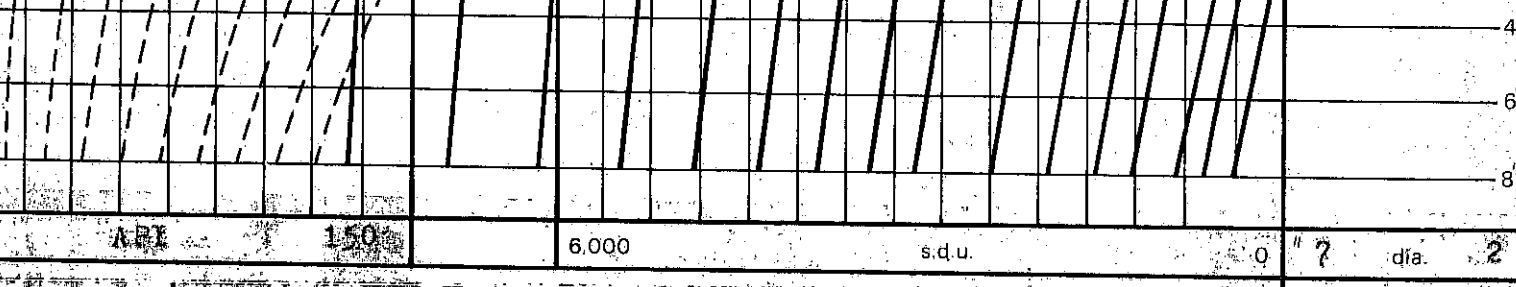
B PB COAL LITHOLOGY LOG

CALIBRATION DATA

JIG No. 3	VALUE 300@ 2" DIAM.	JIG CAL. DATE 28/10/78	G VALUE 3250 SDU@	g/cm ³	2 ins 430 cps
JIG MARK SHOWN AT ABOVE VALUE -3.33		JIG No. 42	SPAN 6000	NORM SDU CPS = 7.40	7 ins 905 cps

GAMMA RAY	DEPTH	COAL BULK DENSITY	CALIPER
-----------	-------	-------------------	---------

HOLE SIZE CORRECTION DATA



GAMMA RAY	DEPTH	COAL BULK DENSITY	CALIPER
-----------	-------	-------------------	---------

BOREHOLE: BR-22

CLIENT: Brameda Resources

AREA: Burnt River

COUNTRY: Canada

COAL LITHOLOGY LOG





Mc Burnt River 71 (5)A

BOREHOLE BR-22
CLIENT Brameda Resources

AREA Burnt River, B.C.
COUNTRY Canada

DATE LOGGED 6/11/78

DEPTH SCALE
1:20

2 0-4 LOGS

BOREHOLE DATA REFER TO LITHOLOGY LOG

OPERATION DATA REFER TO LITHOLOGY LOG

EQUIPMENT AND RECORDING DATA

COAL COMBINATION SONDE

LOG QUALITY LOG INTERVALS

SONDE TYPE
COAL COMBINATION SONDE

LOG SUITE
GAMMA RAY
L.S. DENSITY

FROM 104 85
TO 96 79
INTERVAL 8 6

REMARKS

488

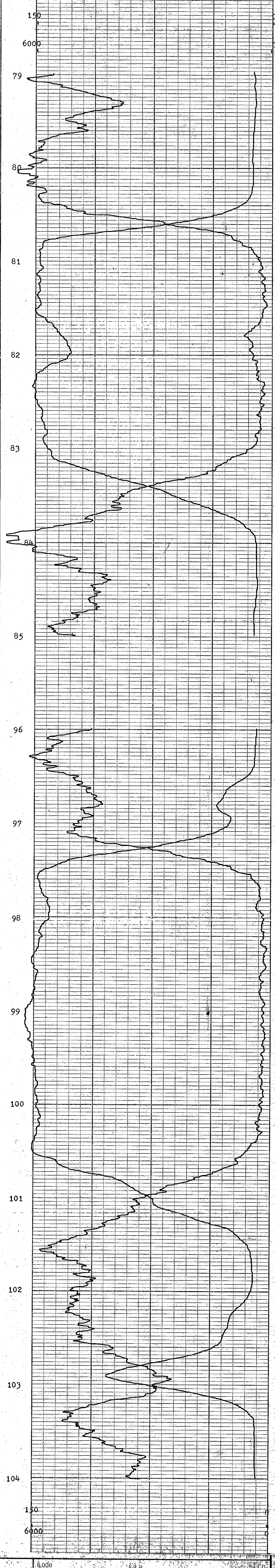
B P B COAL QUALITY LOG

DEPTH GAMMA RAY
COAL BULK DENSITY
g/cm³

HOLE SIZE CORRECTION DATA

2"	1.2	1.25	1.3	1.35	1.4	1.45	1.5	1.55	1.6	1.7	1.8	1.9	2.0	2.2	2.4	3.0
----	-----	------	-----	------	-----	------	-----	------	-----	-----	-----	-----	-----	-----	-----	-----

150 API 0
8.000 0



150 API 0
8.000 0
COAL BULK DENSITY
g/cm³

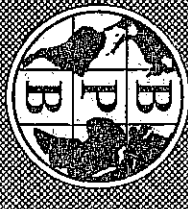
DEPTH GAMMA RAY



BOREHOLE BR-22 AREA Burnt River
CLIENT Brameda Resources COUNTRY Canada

COAL QUALITY LOG

11 - BURNT RIVER 74 (2) A



NEUTRON-NEUTRON LOG

COMPANY Brameda Resources

BOREHOLE BR-22

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 6/11/79

First Reading 108m

Last Reading 0

Interval Measured 108m

Casing BPS _____

Casing Driller _____

Depth Reached _____

Bottom Driller _____

Mud Nature _____

S.G. 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

Source: Rmf Rmc

Rm @ BHT @ _____ °F

Rmf @ BHT @ _____ °F

Rmc @ BHT @ _____ °F

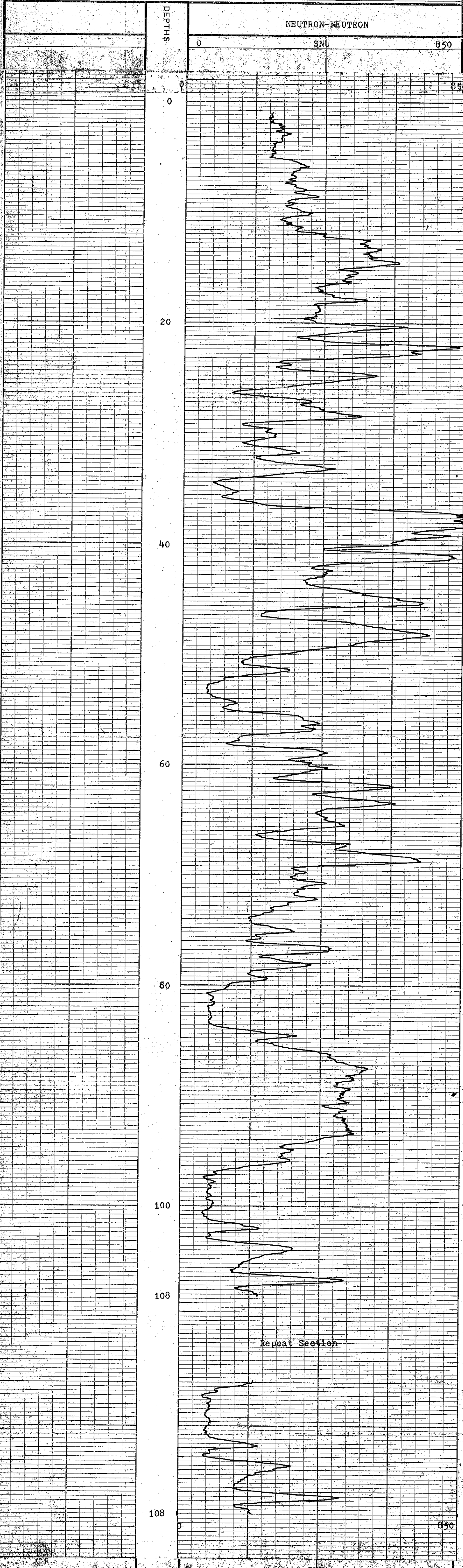
488

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.	Visc.				
ph	Fluid Loss				
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		

Equipment Data						
Run No.	Tool Type	Tool Position	Other			

Logging Data							
Log	Depths		Speed	T.C.	Norm.	Sonde No.	Source Number
	From	To					
N-N	108	0	9	1	.88	18	N6787

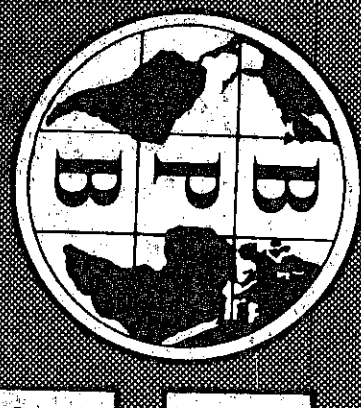


COMPANY Brameda Resources

BOREHOLE BR-22

FIELD Burnt River

COUNTY _____ STATE B.C.



W. Burnt River 2150h

BOREHOLE BR-23
CLIENT Brameda Resources

AREA Burnt River B.C.
COUNTRY Canada

DATE LOGGED 8/11/78

DEPTH SCALE
2011

A or L LOSS

COAL QUALITY LOG

BOREHOLE DATA REFER TO LITHOLOGY LOG
OPERATION DATA REFER TO LITHOLOGY LOG
EQUIPMENT AND RECORDING DATA

COAL COMBINATION SONDE
LOG TAPPING PANEL CAL
GAMMA TARD SPEED REFRAY SPEED SECS NORM
L.S. DENSITY Y 2 R 2 I 1 7.4

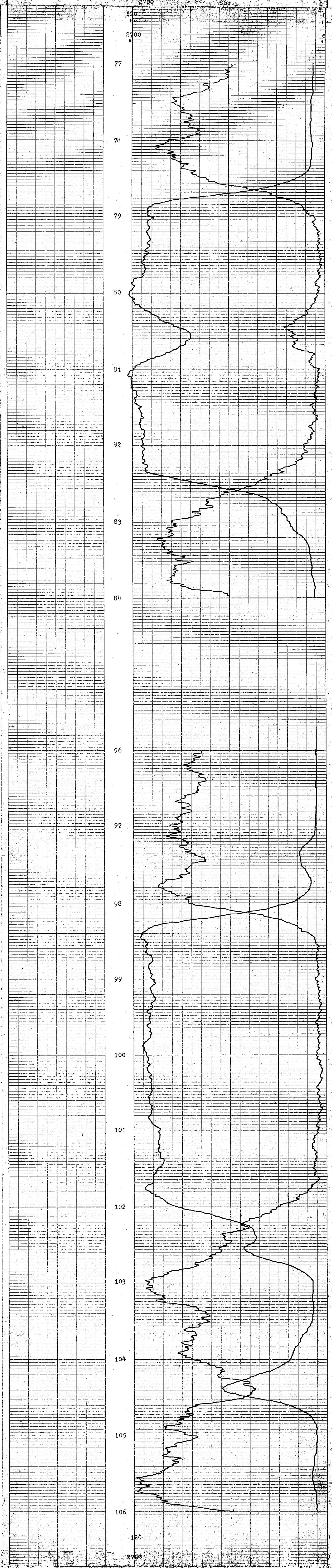
SONDE TYPE:
COAL COMBINATION SONDE
LOG SUITE
GAMMA RAY
L.S. DENSITY

COAL QUALITY LOG INTERVALS
FROM 106 34
TO 96 77
INTERVAL 10 7

REMARKS
488

B P B COAL QUALITY LOG

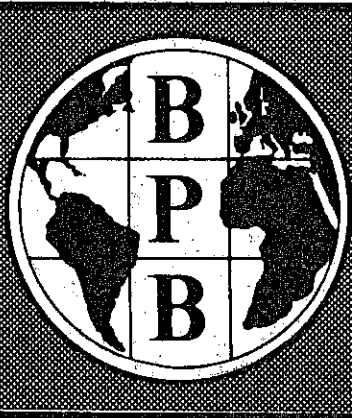
DEPTH
GAMMA RAY
COAL BULK DENSITY



DEPTH
GAMMA RAY
COAL BULK DENSITY

BOREHOLE BR-23
CLIENT Brameda Resources
AREA Burnt River B.C.
COUNTRY Canada

COAL QUALITY LOG



MT 83024

Mr. Bryant Kline 7(5)74



BOREHOLE BR-23
 CLIENT Brameda Resources

AREA Burnt River B.C.
 DEPTH SCALE 2011

COUNTRY Canada

DATE LOGGED 8/11/78
 3 OF 4 LOGS

BOREHOLE DATA REFER TO LITHOLOGY LOG

OPERATION DATA REFER TO LITHOLOGY LOG

EQUIPMENT AND RECORDING DATA

COAL COMBINATION SONDE

LOG TYPING PANEL COAL
 LOG RECORDING SPEED SECS NORM
 CALIBER 1 2 R 2 1 .261

BR DENSITY 1 2 R 2 1 .261
 SOURCE SONDE AND CALIBRATION
 REFER TO LITHOLOGY LOG

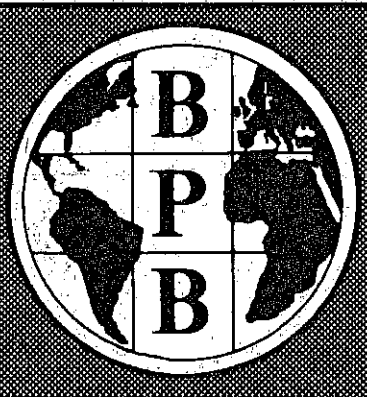
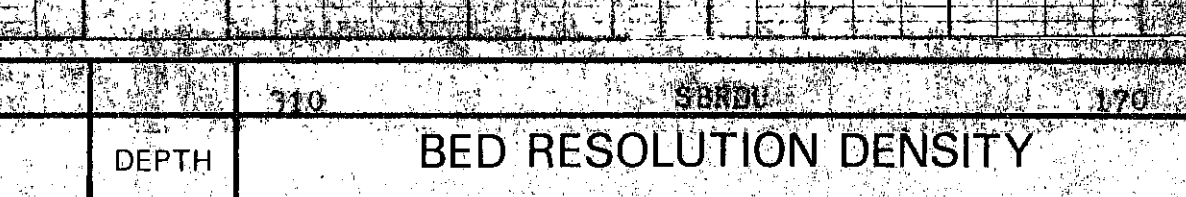
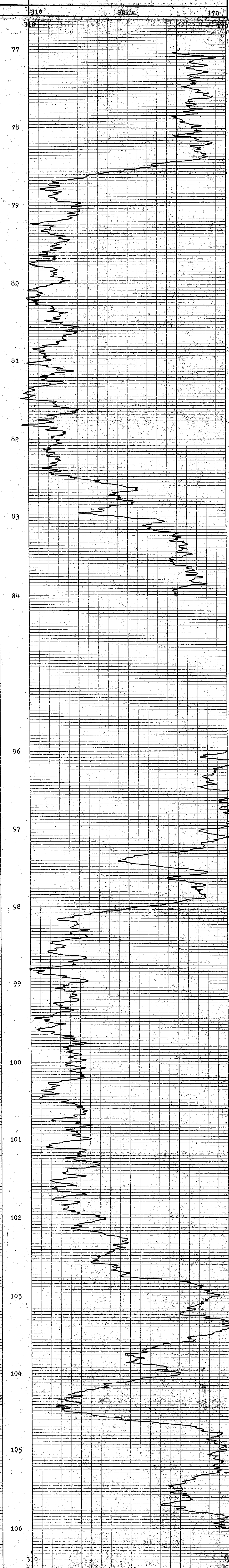
SEAM THICKNESS LOG INTERVALS

FROM 106 84
 TO 96 72
 INTERVAL 10 7

LOG SUITE:
 BR DENSITY

488

B P B SEAM THICKNESS LOG



BOREHOLE BR-23
 CLIENT Brameda Resources
 AREA Burnt River B.C.
 COUNTRY Canada

SEAM THICKNESS LOG



NEUTRON-NEUTRON LOG

12 - Burnt River 21 539

COMPANY Brameda Resources

BOREHOLE BR-23

STATE Burnt River B.C. COUNTRY Canada

Permanent Datum _____ Ground Level _____ Elev. _____ m.

Log measured from _____ " " _____ m above P.D.

Drillings measured from _____ " " _____ m above P.D.

GRID REF. E. _____ N. _____ R.L. _____

Run No. 1 Depth Scale 20011

Date 8/11/78

First Reading 133m

Last Reading 0m

Interval Measured 133m

Casing BPP _____

Casing Driller _____

Depth Reached _____

Bottom Driller _____

Mud Nature _____

S.G. Viscosity _____

Bit Size 1 _____

_____ 2 _____

_____ 3 _____

Casing Size 1 _____

_____ 2 _____

Rm @ Meas Temp. _____

Rmf @ Meas Temp. _____

Rmc @ Meas Temp. _____

BHT _____

Operating Time _____

Truck No. _____

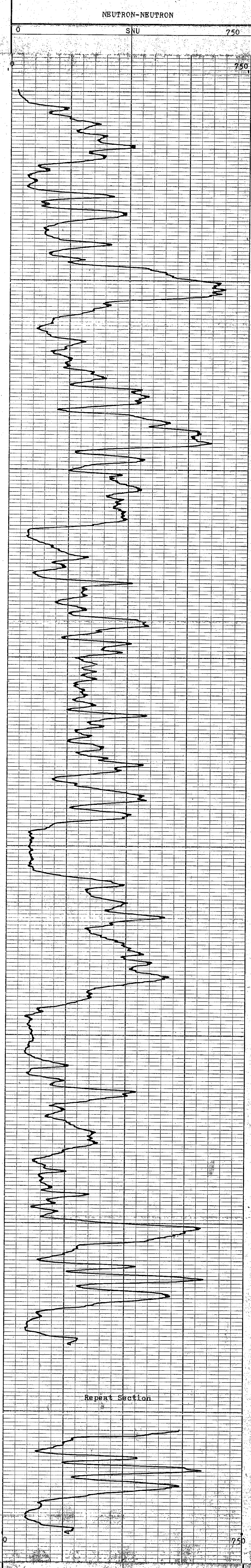
Recorded By _____

Witness _____

488

REMARKS		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	@	°F	Run No.
Rmf @ Meas Temp.	@	°F	@	°F	Tool Type
Rmc @ Meas Temp.	@	°F	@	°F	Tool Position
					Other
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	133 0	9	1	.88	18	N6787



NEUTRON-NEUTRON	
DEPTHS	
0	750
133	0

COMPANY Brameda Resources
 BOREHOLE BR-23
 STATE Burnt River B.C.
 COUNTRY Canada