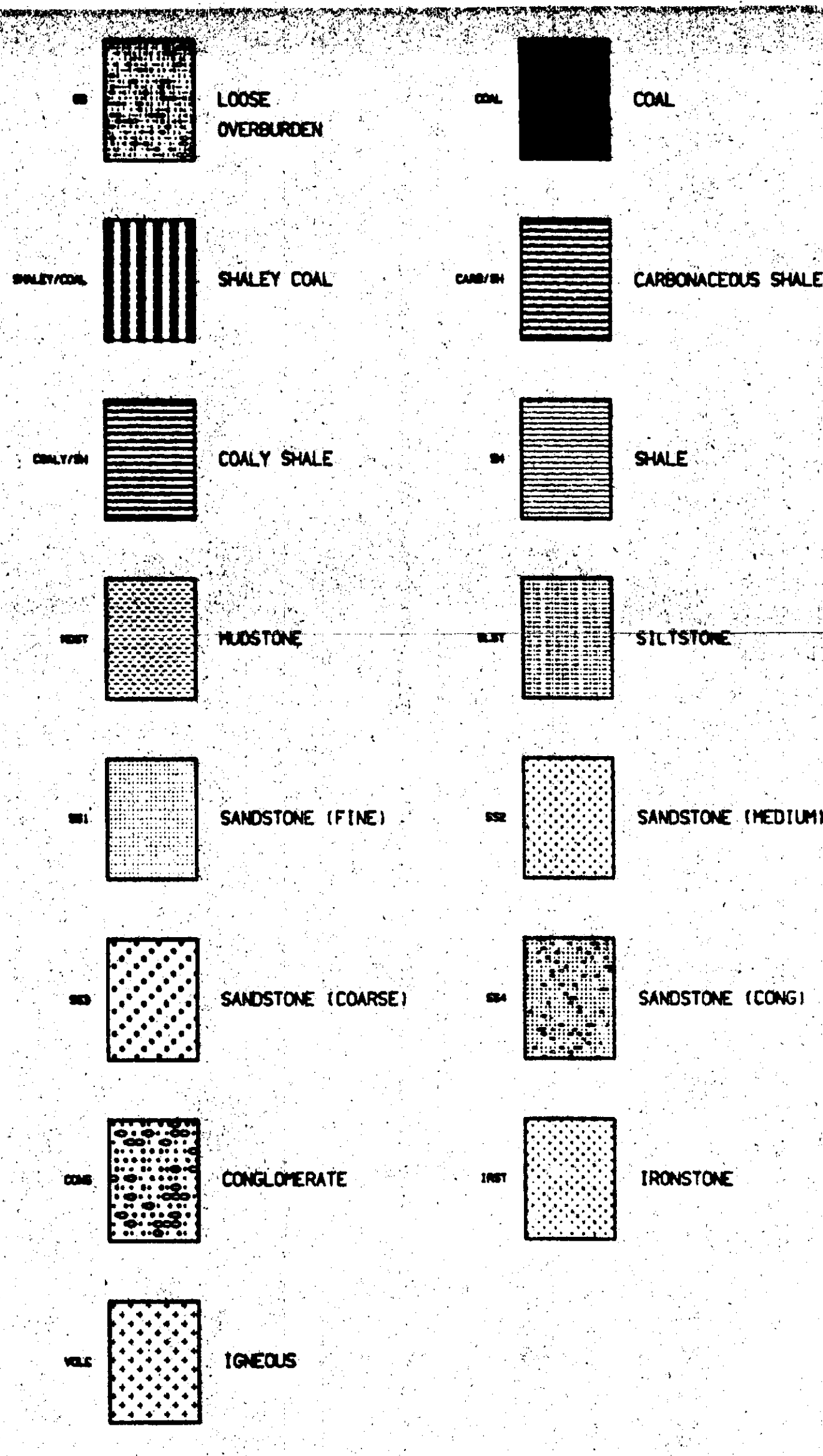
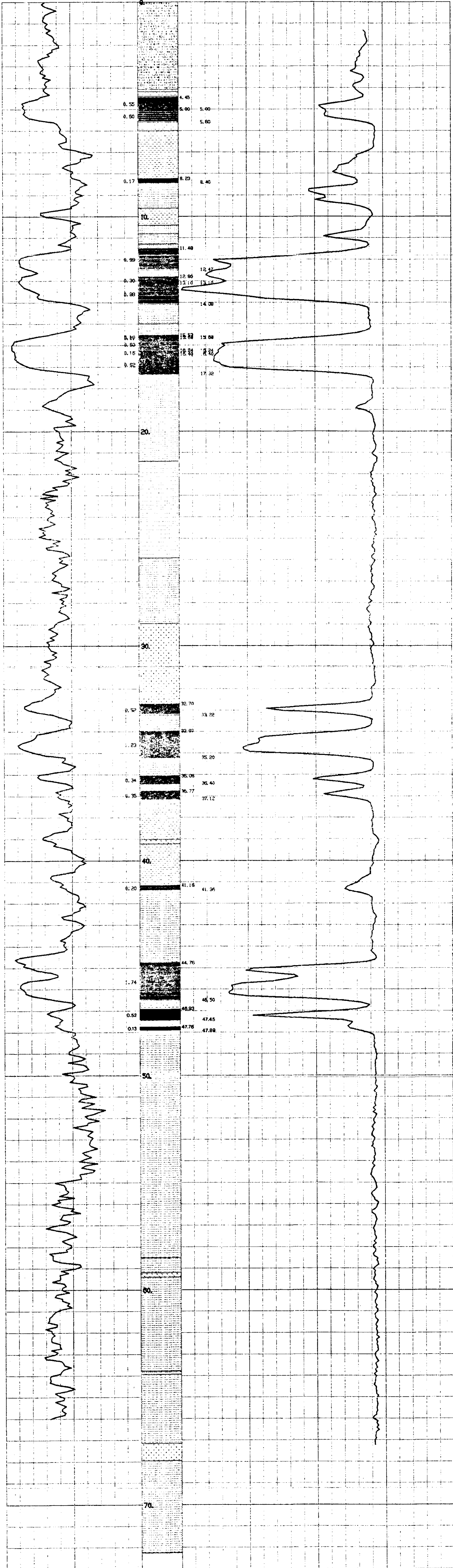


TELKWA PROJECT

239

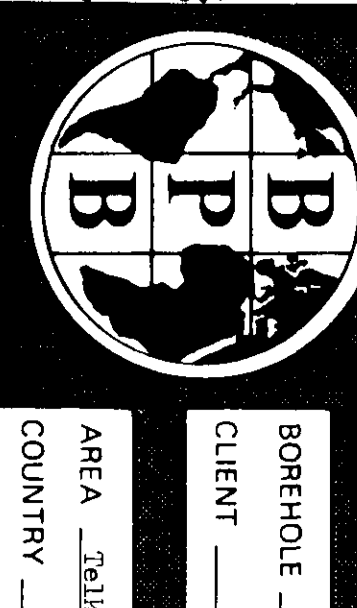
DRILL HOLE #301 ①

GAMMA AP1 120 3000 DENSITY SDU .00



14-17-01-01 85(5)A

239



BOREHOLE TW03E-361 (2)
CLIENT Crown West Resources Ltd.

AREA Telkwa B.C.
COUNTRY Canada
DATE LOGGED 07/Jan/03

SEAM THICKNESS LOG

LOG

SONDE TYPE
COMBINATION
SONDE

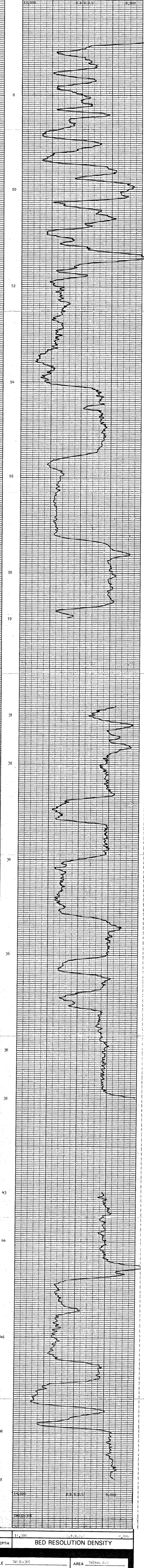
LOG SUITE
CALIPER
BR DENSITY

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

COAL COMBINATION SONDE
LOG NAME
LOG NO.
CALIPER
BR DENSITY

SEAM THICKNESS LOG INTERVALS
FROM 0.0m TO 3.0m
THICKNESS 3.0m

B.P.B. SEAM THICKNESS LOG



B.P.B. SEAM THICKNESS LOG

DEPTH 11,000 15,000 19,000
BED RESOLUTION DENSITY

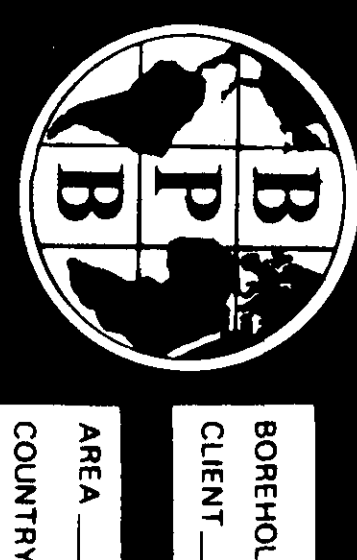
BOREHOLE TW03E-361
CLIENT Crown West Resources Ltd.
AREA Telkwa B.C.
COUNTRY Canada



SEAM THICKNESS LOG

MY 88002 R

239



BOREHOLE: FW2-01
 CLIENT: Canada Real Resources Ltd.
 AREA: Edmonton, B.C.
 COUNTRY: Canada
 DATE LOGGED: 21/Jan/83
 BIRTH SCALE: 1:20
 OF: 1 LOGS

BOREHOLE DATA: refers to lithology log
 OPERATION DATA: refers to lithology log
 EQUIPMENT AND RECORDING DATA

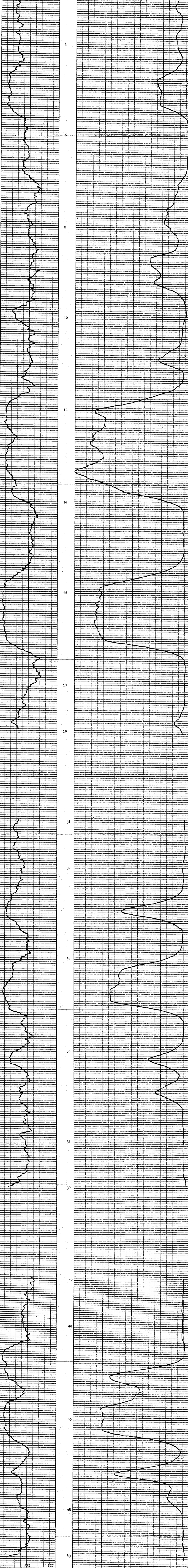
COAL QUALITY LOG

LOG

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

LOG	TAPPING	DEPTH	PAGE	DATE
LOG	185	0-30	1	8/1/83
LOG	185	30-60	2	8/1/83
LOG	185	60-90	3	8/1/83
LOG	185	90-120	4	8/1/83
LOG	185	120-150	5	8/1/83
LOG	185	150-180	6	8/1/83
LOG	185	180-210	7	8/1/83
LOG	185	210-240	8	8/1/83
LOG	185	240-270	9	8/1/83
LOG	185	270-300	10	8/1/83
LOG	185	300-330	11	8/1/83
LOG	185	330-360	12	8/1/83
LOG	185	360-390	13	8/1/83
LOG	185	390-420	14	8/1/83
LOG	185	420-450	15	8/1/83
LOG	185	450-480	16	8/1/83
LOG	185	480-510	17	8/1/83
LOG	185	510-540	18	8/1/83
LOG	185	540-570	19	8/1/83
LOG	185	570-600	20	8/1/83
LOG	185	600-630	21	8/1/83
LOG	185	630-660	22	8/1/83
LOG	185	660-690	23	8/1/83
LOG	185	690-720	24	8/1/83
LOG	185	720-750	25	8/1/83
LOG	185	750-780	26	8/1/83
LOG	185	780-810	27	8/1/83
LOG	185	810-840	28	8/1/83
LOG	185	840-870	29	8/1/83
LOG	185	870-900	30	8/1/83
LOG	185	900-930	31	8/1/83
LOG	185	930-960	32	8/1/83
LOG	185	960-990	33	8/1/83
LOG	185	990-1020	34	8/1/83
LOG	185	1020-1050	35	8/1/83
LOG	185	1050-1080	36	8/1/83
LOG	185	1080-1110	37	8/1/83
LOG	185	1110-1140	38	8/1/83
LOG	185	1140-1170	39	8/1/83
LOG	185	1170-1200	40	8/1/83
LOG	185	1200-1230	41	8/1/83
LOG	185	1230-1260	42	8/1/83
LOG	185	1260-1290	43	8/1/83
LOG	185	1290-1320	44	8/1/83
LOG	185	1320-1350	45	8/1/83
LOG	185	1350-1380	46	8/1/83
LOG	185	1380-1410	47	8/1/83
LOG	185	1410-1440	48	8/1/83
LOG	185	1440-1470	49	8/1/83
LOG	185	1470-1500	50	8/1/83

BPB COAL QUALITY LOG



DEPTH	GAMMA RAY	L.S. DENSITY
0	100	3000
300	110	3100
600	120	3200
900	130	3300
1200	140	3400
1500	150	3500



239

K. TEUWA 85151A

Newton/Newton Gamma Ray Log
(IN HOUS)

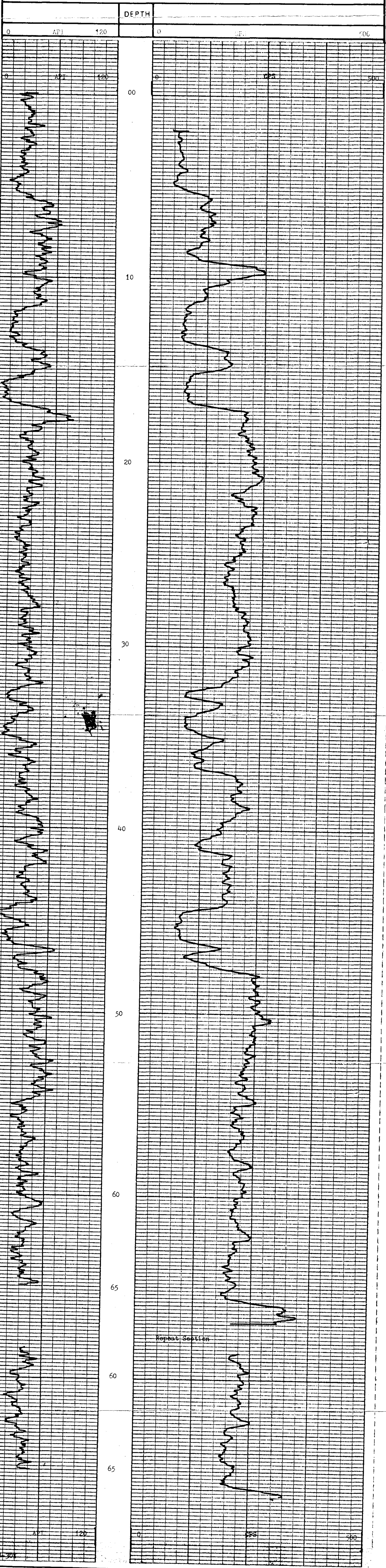
BOREHOLE 1W-31-314 **4**
CLIENT Crows Nest Resources Ltd.

AREA Talkwa B.C. **DEPTH SCALE**
COUNTRY Canada **1:100**
DATE LOGGED 07/Jan/73 **OFF LOGS**

BOREHOLE DATA refer to lithology LOG
OPERATION DATA refer to lithology LOG
EQUIPMENT AND RECORDING DATA

LOG	TAPING	RECORDING	DIRECTION	SPEED	SCALE	PANEL	LOG	COEFF
LOG	TAPE	REC	DIR	SPEED	SCALE	PANEL	LOG	COEFF
Y	9m/m	D	9m/m	1	-	-	-	-
Y	9m/m	D	9m/m	1	-	-	-	-
NO	NO	NO	NO	NO	NO	NO	NO	NO

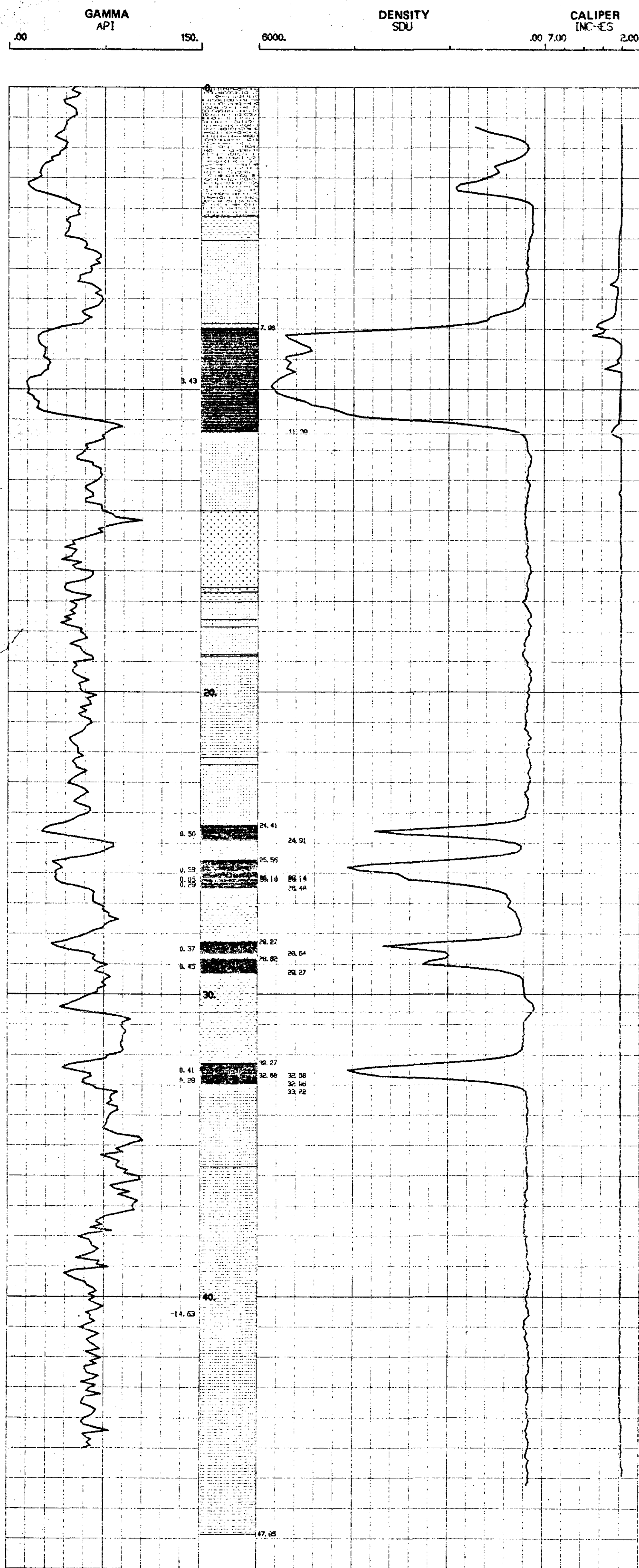
REMARKS
Vertical log not available. Inusual scales set to compensate for drift pipe.



BOREHOLE 1W-31-314 AREA Talkwa B.C.
CLIENT Crows Nest Resources Ltd. COUNTRY Canada

TELKWA PROJECT 239

DRILL HOLE #302 ①



- | | | | |
|--|--------------------|--|--------------------|
| | LOOSE OVERBURDEN | | COAL |
| | SHALEY COAL | | CARBONACEOUS SHALE |
| | COALY SHALE | | SHALE |
| | MUDSTONE | | SILTSTONE |
| | SANDSTONE (FINE) | | SANDSTONE (MEDIUM) |
| | SANDSTONE (COARSE) | | SANDSTONE (CONG) |
| | CONGLOMERATE | | IRONSTONE |
| | IGNEOUS | | |



DIPMETER ANALYSIS

239

CLIENT _____
BOREHOLE _____
AREA _____
COUNTRY _____

CROWS NEST RESOURCES
TW 83D-302 (2)
TELKWA
CANADA

DATE LOGGED.....02-JUN-83
DATE PROCESSED..07-JUN-83



COMMENTS.....

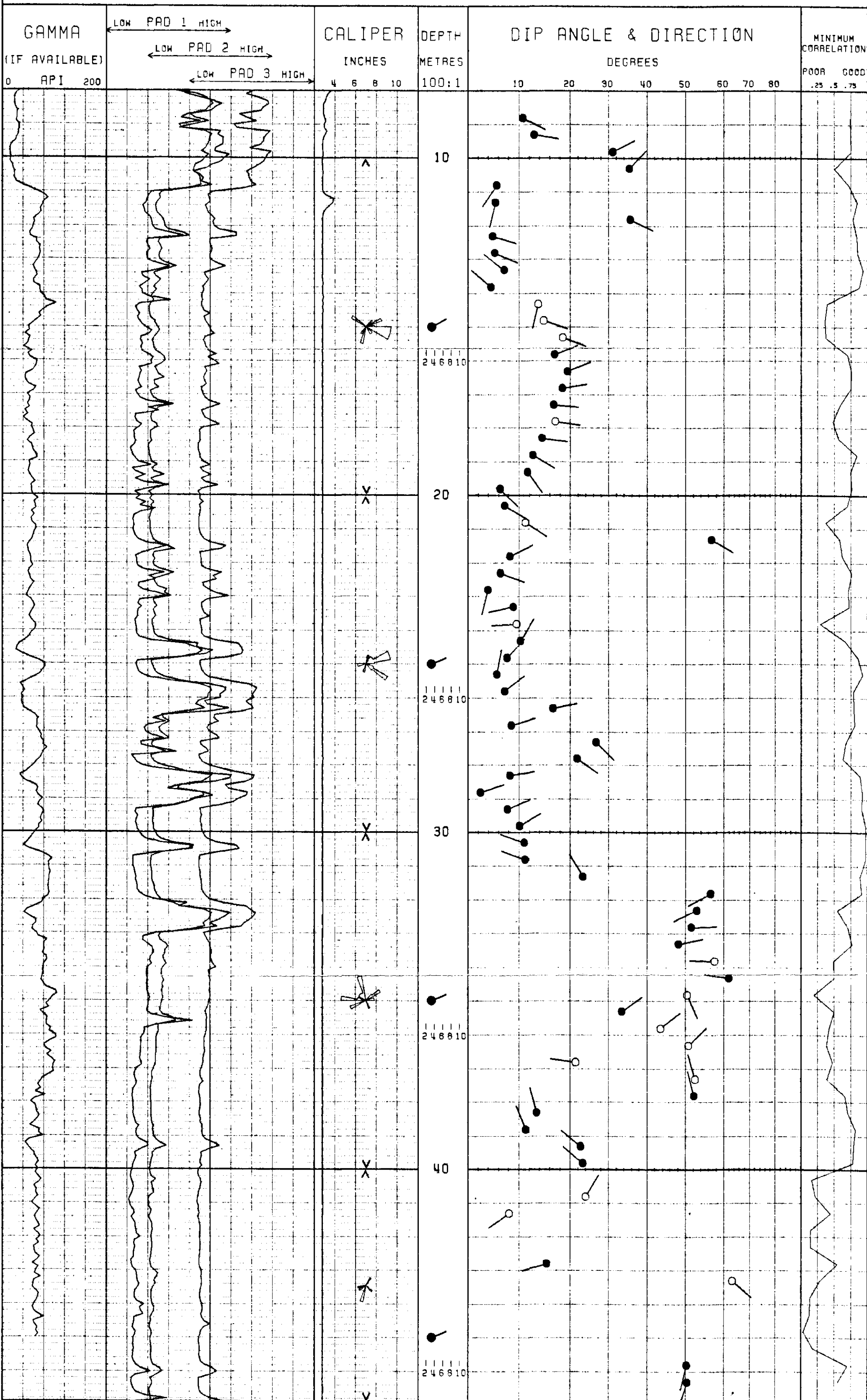
INTERPRETATION PARAMETERS

STEP 0.50M.
INTERVAL 1.00M.
SEARCH ANGLE 70.
DECLINATION 26.0 EAST
DEPTH RANGE 8.00 - 46.90M.
DATE PROCESSED 07-JUN-83

AVERAGE BOREHOLE DEVIATION & DIRECTION
ANNOTATED EVERY 10.0M.

LEGEND:
● GOOD (>0.50)
○ FAIR (>0.20)

ROSE DIAGRAMS SEGMENTED EVERY TEN DEGREES,
.1" RADIUS PER DIP MARKER DISPLAYED



TR-12474 83(5)a

239

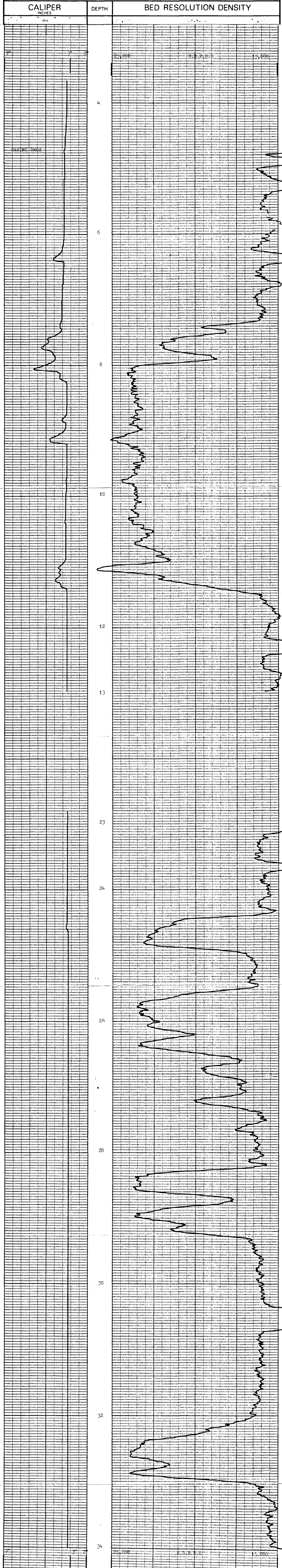
81483 0048 705 BXB



SEAM THICKNESS LOG

BOREHOLE 14-35-92 (3)
 CLIENT 2390 North Lincoln Ave. Ltd.
 AREA 14-35-92 OPTIM SCALE
 COUNTRY Canada
 DATE LOGGED 12/10/83 OF LOGS
 BOREHOLE DATA REFER TO LITHOLOGY LOG
 OPERATION DATA REFER TO LITHOLOGY LOG
 EQUIPMENT AND RECORDING DATA
 COAL COMBINATION SONDE
 LOG TAPPING SIDE WALL POSITION
 LOG RECORD SPEED (SPS) IN/CM
 CALIBER 1.00 TAPED REFLANT SECS. IN/CM
 BR BRNSST 1.00 1.00 1.00 1.00
 SOURCE SONDE AND CALIBRATION
 REFER TO LITHOLOGY LOG

B P B SEAM THICKNESS LOG



CALIPER INCHES DEPTH BED RESOLUTION DENSITY

BOREHOLE 14-35-92 AREA 14-35-92
 CLIENT 2390 North Lincoln Ave. Ltd. COUNTRY Canada
SEAM THICKNESS LOG



MY 88002 B

239



COAL QUALITY LOG

BOREHOLE TWB 31-302
 CLIENT Crows Nest Resources Ltd.
 AREA Telkwa B.C.
 COUNTRY Canada
 DATE LOGGED 02/Jun/83

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

COAL COMBINATION SONDE

SONDE TYPE
 COAL COMBINATION
 SONDE

LOG SUITE:
 GAMMA RAY
 L.S. DENSITY

LOG TARAM RECORDING SPEED 1.5 IN/SEC
 GAMMA RAY 1.5 IN/SEC
 L.S. DENSITY 1.5 IN/SEC

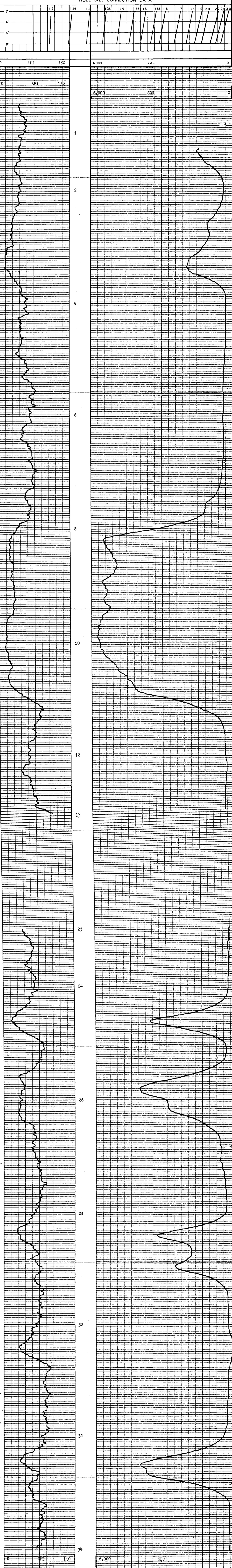
COAL QUALITY LOG INTERVALS

FROM 24.0m TO 13.0m
 INTERVAL 11.0m

INTERVAL VAL TOTAL 1.23

REMARKS

B P B COAL QUALITY LOG



B P B COAL QUALITY LOG

BOREHOLE TWB 31-302
 CLIENT Crows Nest Resources Ltd.
 AREA Telkwa B.C.
 COUNTRY Canada



239

Tk. Telkwa 4313A



Focused Electric Log.

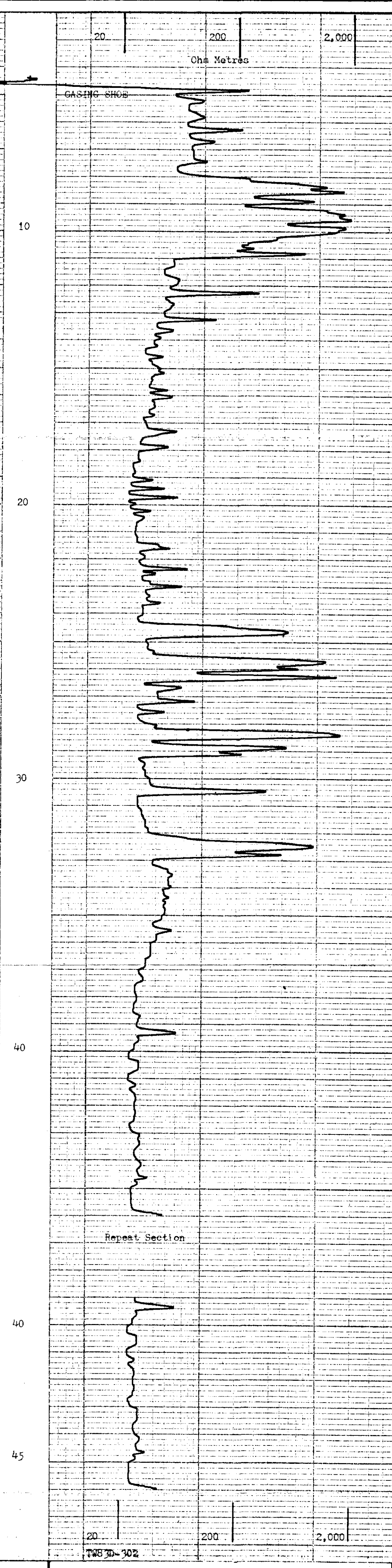
BOREHOLE TW 30-302 **(5)**
 CLIENT Crows Nest Resources Ltd.

AREA Telkwa B.C. DEPTH SCALE 1:100
 COUNTRY Canada OF LOGS 6
 DATE LOGGED 02/Jan/83

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

LOG	TAPING	RECORDING	PANEL	CAL
	TAPE	DIRECT	T.C	CONF
F/B	NO	NO	NO	NO
	1	1	1	1
	2	2	2	2
	3	3	3	3
	4	4	4	4
	5	5	5	5
	6	6	6	6
	7	7	7	7
	8	8	8	8
	9	9	9	9
	10	10	10	10

DEPTH 0.0 Ohm Metres 1,000



DEPTH 0.0 Ohm Metres 1,000



BOREHOLE TW 30-302 AREA Telkwa B.C.
 CLIENT Crows Nest Resources Ltd. COUNTRY Canada

239



BOREHOLE _____
CLIENT _____

BOREHOLE 302
CLIENT (6)

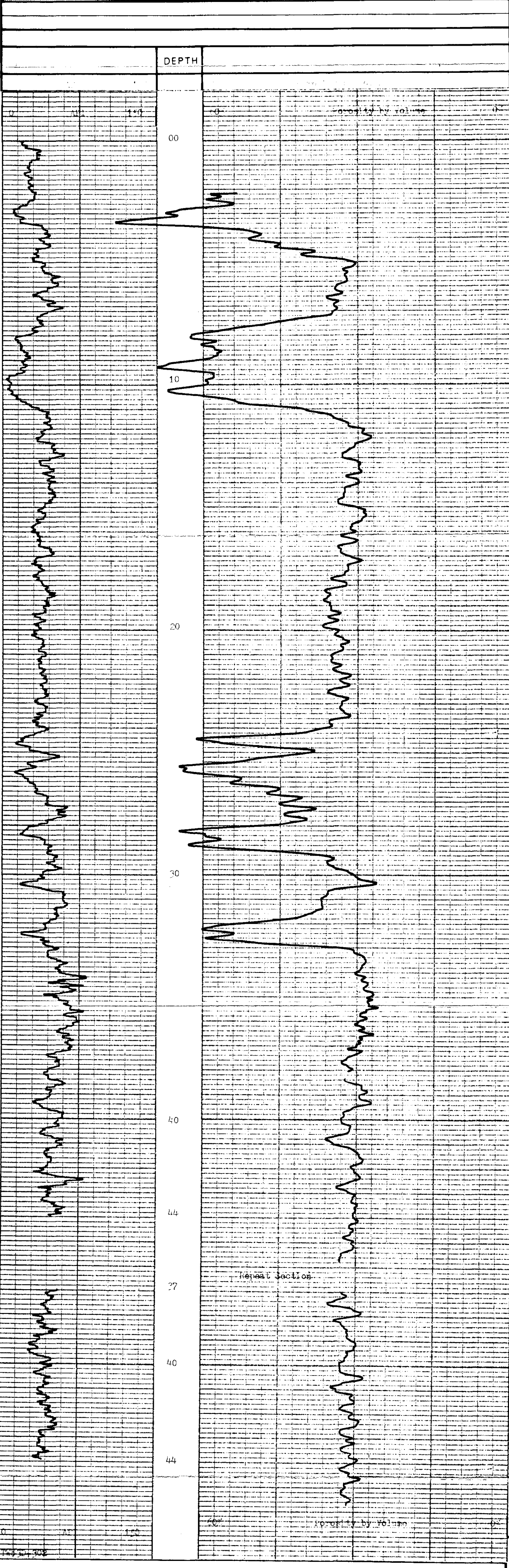
AREA _____
COUNTRY _____
DATE LOGGED _____

BOREHOLE DATA REFER TO _____ LOG
OPERATION DATA REFER TO _____ LOG

EQUIPMENT AND RECORDING DATA

LOG	TAPING	RECORDING	SPEED	T.C.	PANEL	SCALE	CAL
TABLE	SPEED	REFL	SCCS	NORM			COEFF

REMARKS



DEPTH	VOLUME



BOREHOLE _____
CLIENT _____
AREA _____
COUNTRY _____

239



MULTI-CHANNEL SONIC LOG

BOREHOLE	EW-30-302	DEPTH SCALE	1:1
CLIENT	Chromat Petroleum Ltd.	AREA	Terminal 210
DATE LOGGED	02/04/53	COUNTRY	Canada
BOREHOLE DATA		FLUID DATA	
PERMANENT DATUM	1000	NATURE	Water
ELEVATION OF PD	898	SG	N/A
MEASUREMENTS FROM	1000	LEVEL	N/A
DEPTH REACHED	1000	VISCOSITY	N/A
CASING SHOE	1000	Rm at meas temp	N/A
BIT SIZES	1 1/2" TO 2" TO 3" TO 4" TO 5" TO 6" TO 8"	BHT	N/A
CASING SIZES	1 1/2" TO 2" TO 3" TO 4" TO 5" TO 6" TO 8"	OPERATION DATA	
FIRST READING		40.00	
LAST READING		40.00	
INTERVAL LOGGED		4.00	
UNIT - TRUCK No		2677247	
ENGINEER		D. J. Brown	
WITNESS			

EQUIPMENT AND RECORDING DATA												
SONDE No.	TRANSDUCER ARRANGEMENT			CENTRALISERS SET TO				DIAMETER				
	RECEIVER PAIR	SPACING R-R	SPACING T-R	GENERAL LOGGING		DETAIL LOGGING		DATA RECORDED			DATA DISPLAYED	
				SPEED	TC SECS	SPEED	TC SECS	FROM	TO	INTERVAL	FROM	TO
CHANNEL 1	R1 - R2	8"	24"	2	3	4	5	10	11	1	1	1
CHANNEL 2	R2 - R4	16"	32"	2	3	4	5	10	11	1	1	1
CHANNEL 3	R1 - R4	24"	24"	2	3	4	5	10	11	1	1	1
CHANNEL 4	R3 - R4	8"	40"	2	3	4	5	10	11	1	1	1

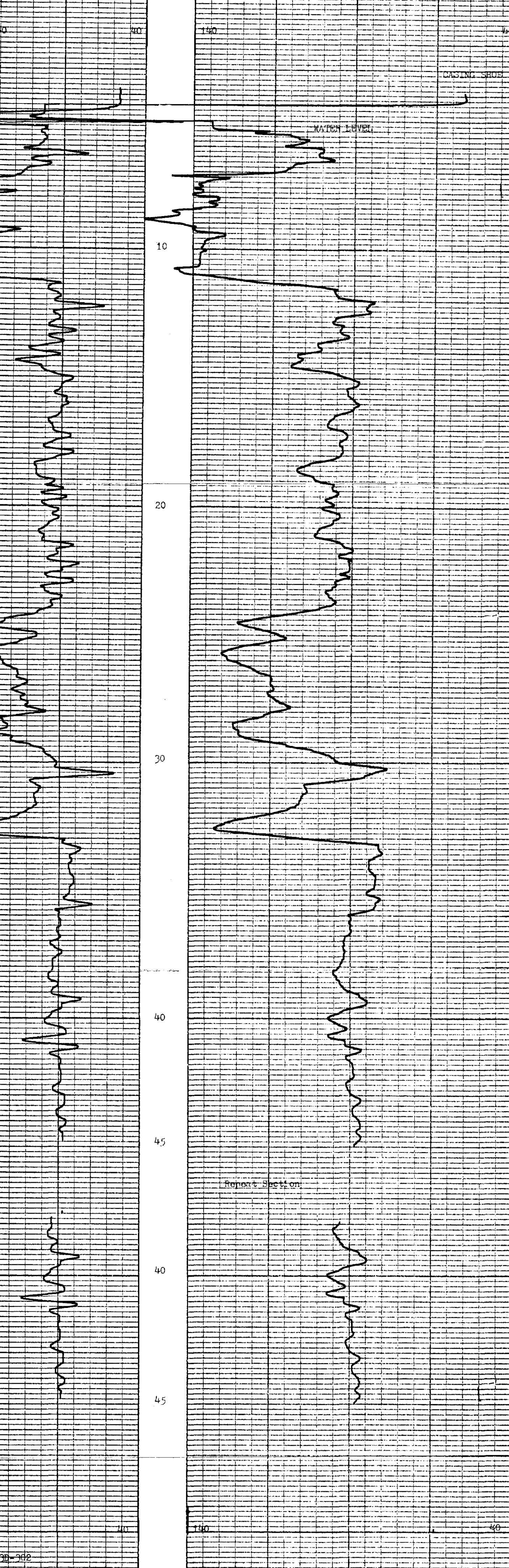
DETAIL ZONES DISPLAYED (SEE RELEVANT LOG)

FROM	2.00m	13.00m	INTERVAL TOTAL
TO	2.00m	1.00m	
INTERVAL	4.00m	12.00m	20.00m

REMARKS

Pool lowered about 100m after attached, due to narrow diameter borehole.

CHANNEL 1	DEPTH	CHANNEL 2
140	INTERVAL TRANSIT TIME	140
	microseconds/ft.	



CHANNEL 1	DEPTH	CHANNEL 2
140	INTERVAL TRANSIT TIME	140
	microseconds/ft.	



BOREHOLE EW-30-302 AREA Terminal 210

CLIENT Chromat Petroleum Ltd. COUNTRY Canada

MC SONIC LOG

TW-TELKWA 83(5)A

239



GAMMA RAY & NEUTRON-NEUTRON

BOREHOLE TW-83D-302 (8)

CLIENT CROWS NEST RESOURCES

AREA TELKWA B.C. DEPTH SCALE 1:100

COUNTRY CANADA

DATE LOGGED 2 JUNE 82

BOREHOLE DATA REFER TO Lithology LOG

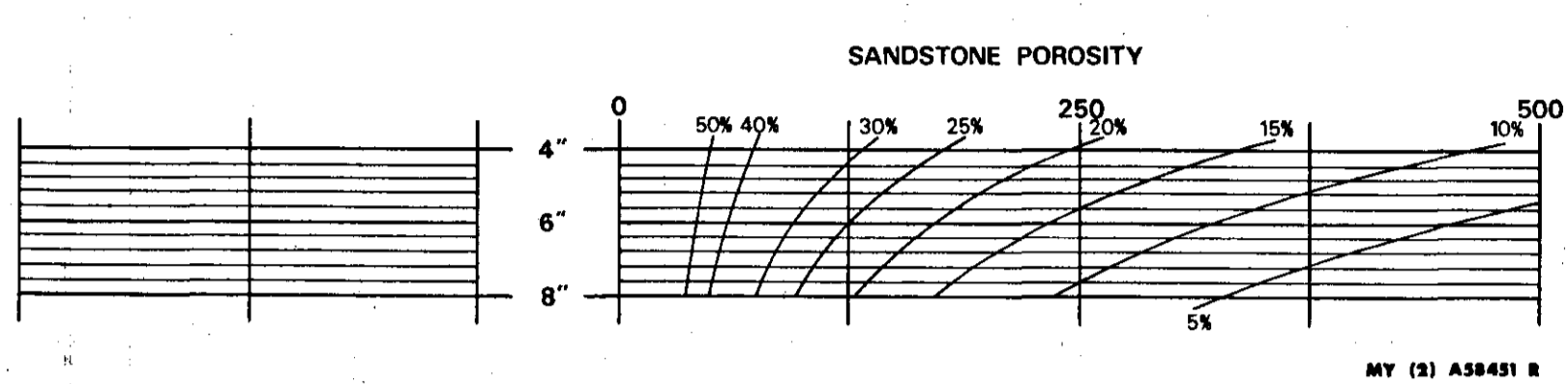
OPERATION DATA REFER TO Lithology LOG

EQUIPMENT AND RECORDING DATA

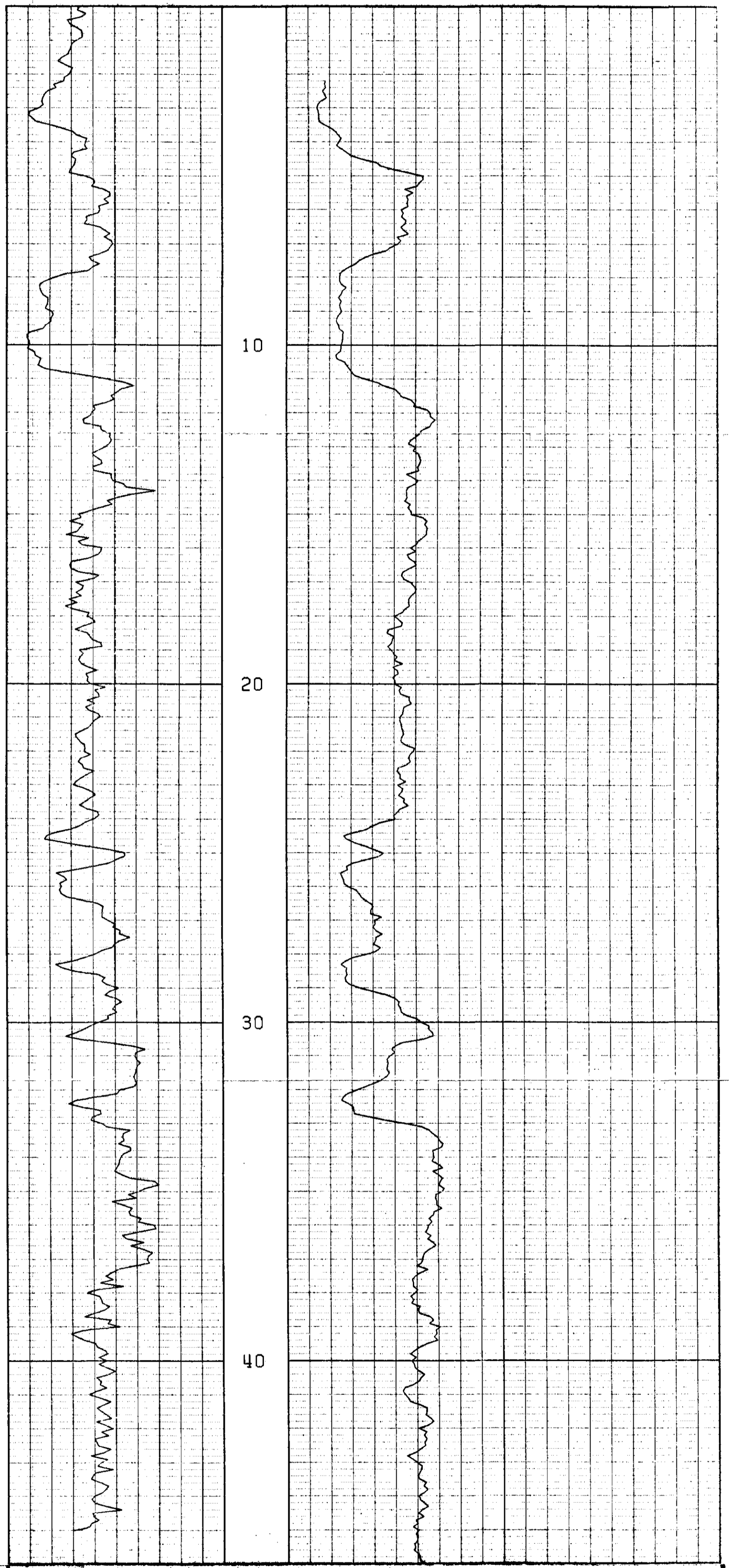
LOG	TAPPING	LOG RECORDING DIRECTLY TAPPED	RECORDING SPEED	PANEL SPEED SECS	NORM	CAL COEFF
Gamma	Y	9	R	9	1	1.6
N-N	Y	9	R	9	1	.53

REMARKS

GAMMA RAY	DEPTH	NEUTRON-NEUTRON
0 APT 150		0 SNU 500



MY (2) A58431 R



GAMMA RAY	DEPTH	NEUTRON-NEUTRON
0 APT 150		0 SNU 500



BOREHOLE TW-83D-302
CLIENT CROWS NEST RESOURCES

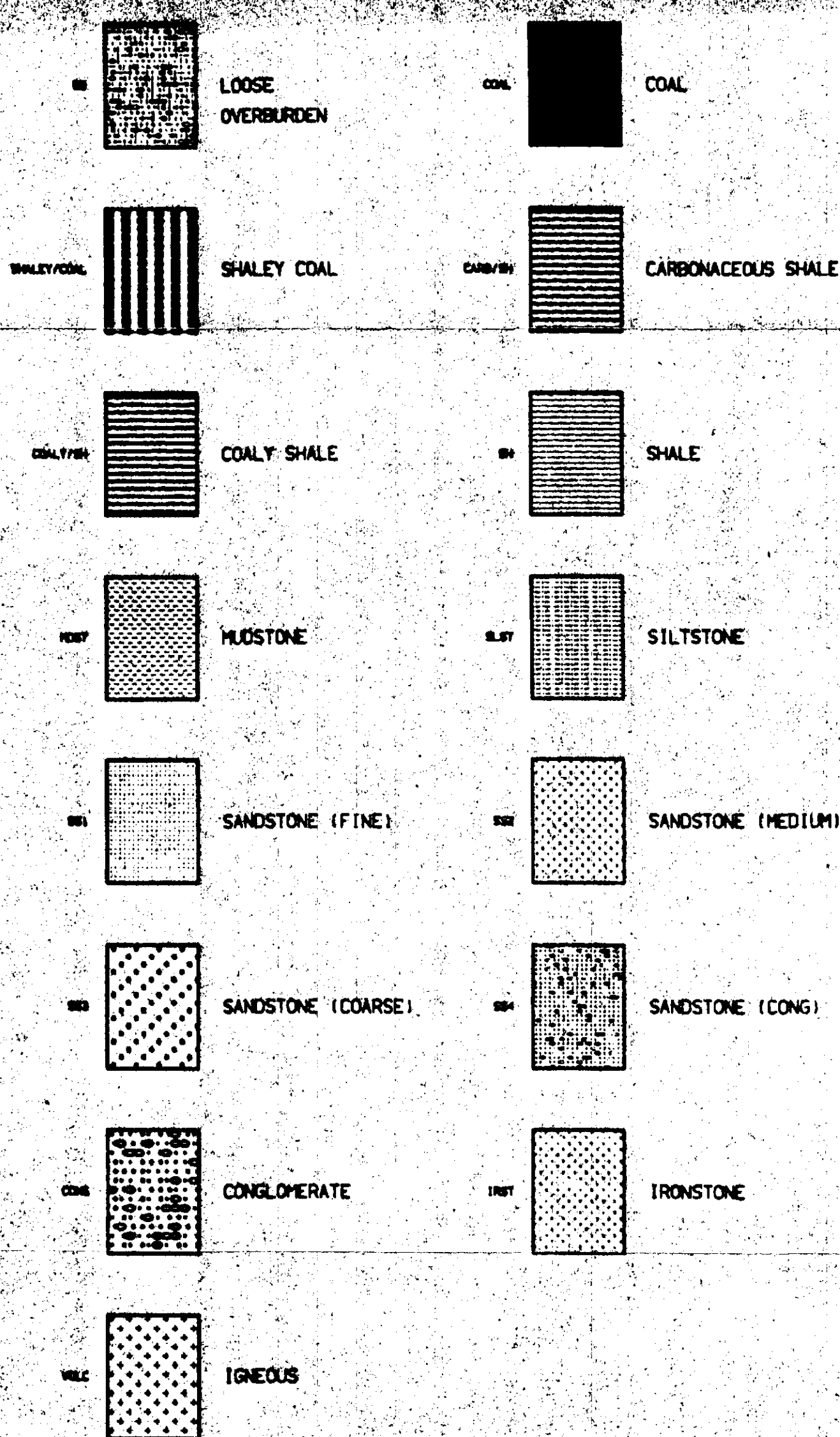
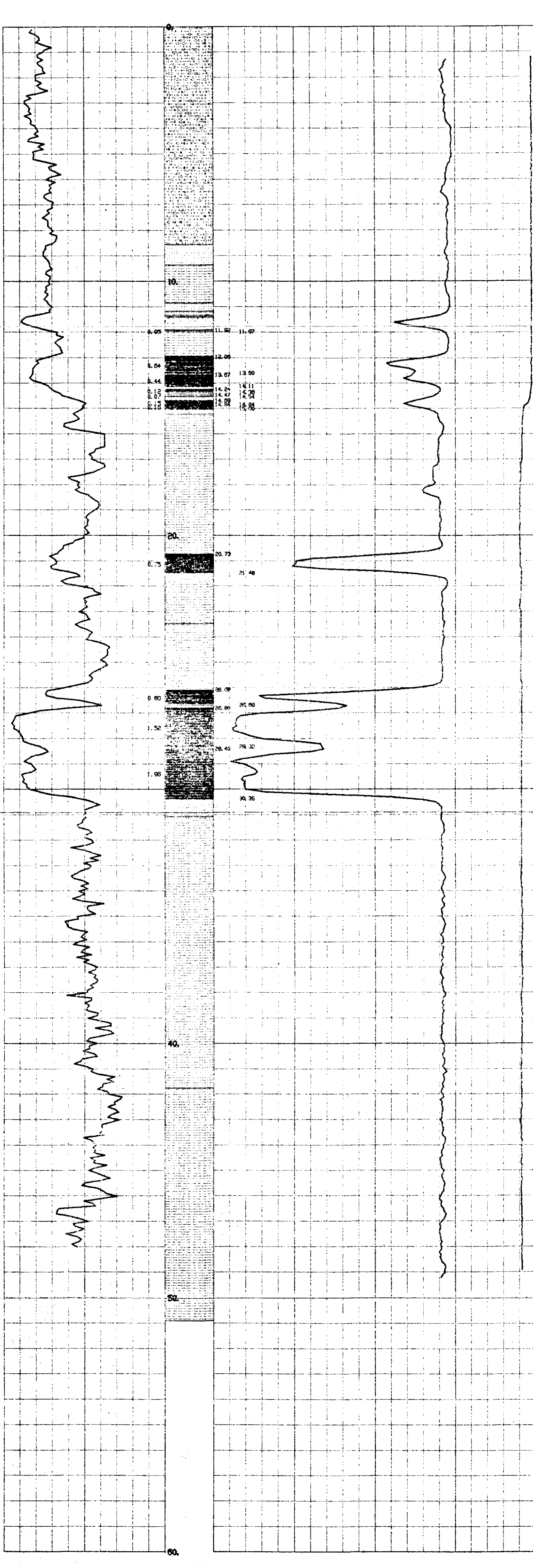
AREA TELKWA B.C.
COUNTRY CANADA

MY A58452 R

TELKWA PROJECT 239

DRILL HOLE #303 (1)

GAMMA API DENSITY SDU CALIPER INCHES



239



B1442 0943 303 840

SEAM THICKNESS LOG

BOREHOLE TK30-303 (2)

CLIENT Crows Nest Resources Ltd.

AREA Tolkwa B.C. DEPTH SCALE 1:20

COUNTRY Canada

DATE LOGGED 09/27/73 2 OF 2 LOGS

BOREHOLE DATA REFER TO LITHOLOGY LOG

OPERATION DATA REFER TO LITHOLOGY LOG

EQUIPMENT AND RECORDING DATA

COAL COMBINATION SONDE

LOG TANK SERIAL RANGE CORE

LOG RECORDED AT SPEED 750 RPM

LOGGED SERIAL RANGE 1-10

CALIPER 7 INCHES 20/7 INCHES 4 INCHES 2 INCHES

BR DENSNY Y 20/7 H 20/7 Y 20/7

SOURCE SONDE AND CALIBRATION

REFER TO LITHOLOGY LOG

SEAM THICKNESS LOG INTERVALS

SONDE TYPE:

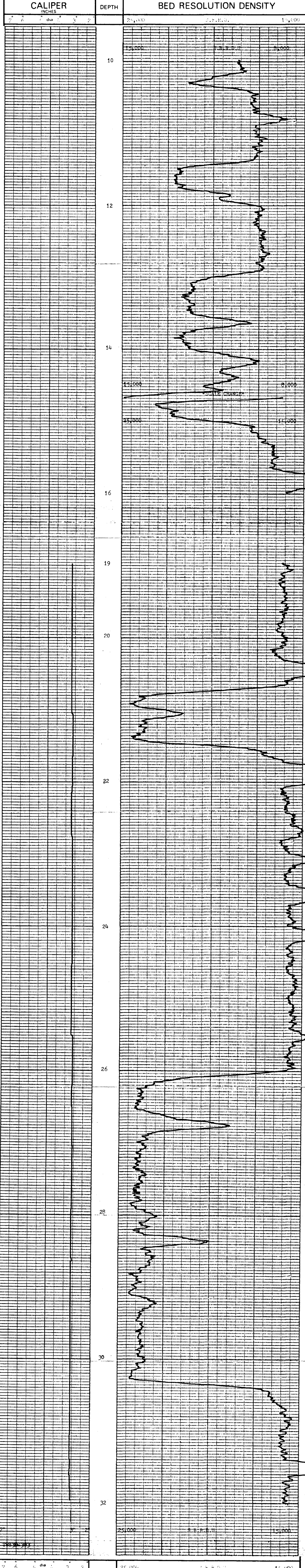
COAL COMBINATION SONDE

LOG SUITE:

CALIPER

BR DENSITY

B P B SEAM THICKNESS LOG



CALIPER INCHES	DEPTH	BED RESOLUTION DENSITY
7 6 5 4 3 2	25 20 15 10	25,000 20,000 15,000

SEAM THICKNESS LOG

BOREHOLE TK30-303

CLIENT Crows Nest Resources Ltd.

AREA Tolkwa B.C.

COUNTRY Canada



TK-TELKWA 83(2)A

239



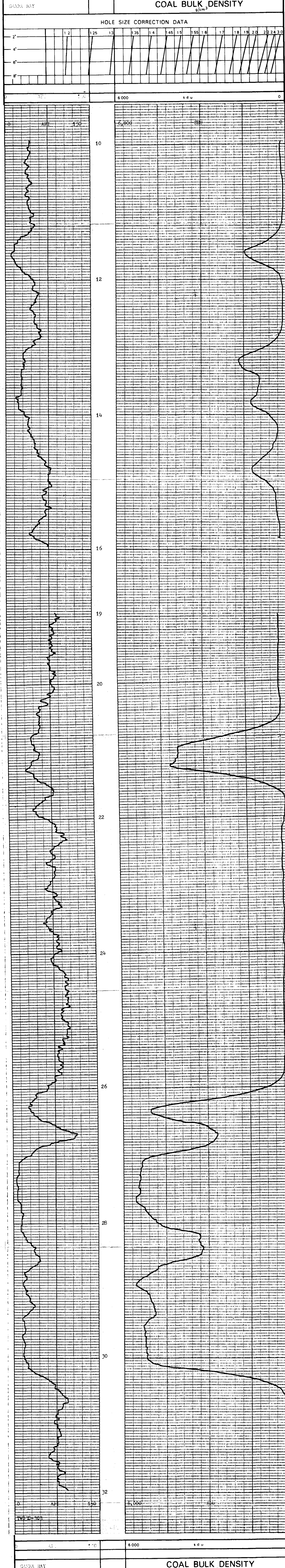
BOREHOLE TWB 305 (3)
CLIENT Orona West Resources Ltd.
AREA Telkwa B.C.
COUNTRY Canada
DEPTH SCALE 1:20
DATE LOGGED 02/Jan/73
LOGS 3 OF 5

BOREHOLE DATA REFER TO LITHOLOGY LOG
OPERATION DATA REFER TO LITHOLOGY LOG
EQUIPMENT AND RECORDING DATA
COAL COMBINATION SCORE
LOG TAPPING SIDEWALL POSITION
GAMMA RAY LOG RECORDING SPEED SECS. NORM. 1
S. DENSITY 27/73 4 27/73 1 77-C
SOURCE, SONDE AND CALIBRATION
REFER TO LITHOLOGY LOG

SONDE TYPE:
COAL COMBINATION SONDE

LOG SUITE:
GAMMA RAY
U.S. DENSITY

B P B COAL QUALITY LOG



COAL BULK DENSITY (g/cm³)

DEPTH

BOREHOLE TWB 305
CLIENT Orona West Resources Ltd.
AREA Telkwa B.C.
COUNTRY Canada

COAL QUALITY LOG



© 1973 B.P.B.

239

TK-TELKWA 83(3)A



Focused Electric Log.

BOREHOLE TWB 3D-303 (4)

CLIENT Cross Nest Resources Ltd.

AREA Telkwa B.C.

COUNTRY Canada

DATE LOGGED 03/11/83

OPM SCALE

OF 1 LOGS

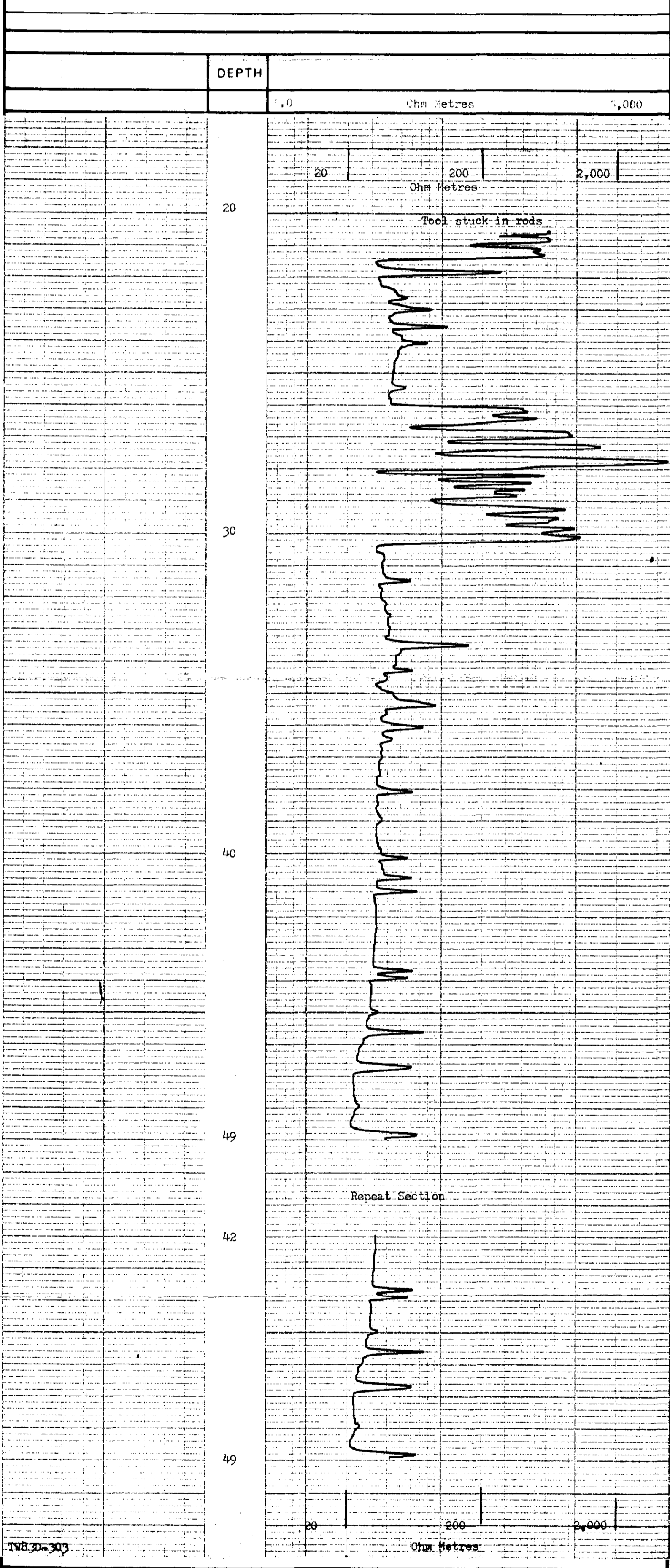
BOREHOLE DATA REFER TO Lithology LOG

OPERATION DATA REFER TO Lithology LOG

EQUIPMENT AND RECORDING DATA

LOG	TAPING	PANEL	CAT
	LOG RECORDING	T.C.	COEFF
	TAPED SPEED	RELAY SECS	NORM
Y	9m/m	D	9m/m
			3
	SCOPE	SUPPLY	

REMARKS



DEPTH	5.0	Ohm Metres	5,000
-------	-----	------------	-------

BOREHOLE	TWB 3D-303	AREA	Telkwa B.C.
CLIENT	Cross Nest Resources Ltd.	COUNTRY	Canada



239



UN 28 22 - LOG - LOG 0900 2818

Canada Day & International Day

BOREHOLE FWB 2D 303 5

CLIENT Energy West Resources Ltd.

AREA Wolfe EGS DEPTH SCALE 1:100

COUNTRY Canada DATE LOGGED 07/20/73 1 OF 4 LOGS

BOREHOLE DATA REFER TO 11 Technology LOG

OPERATION DATA REFER TO 11 Spindle LOG

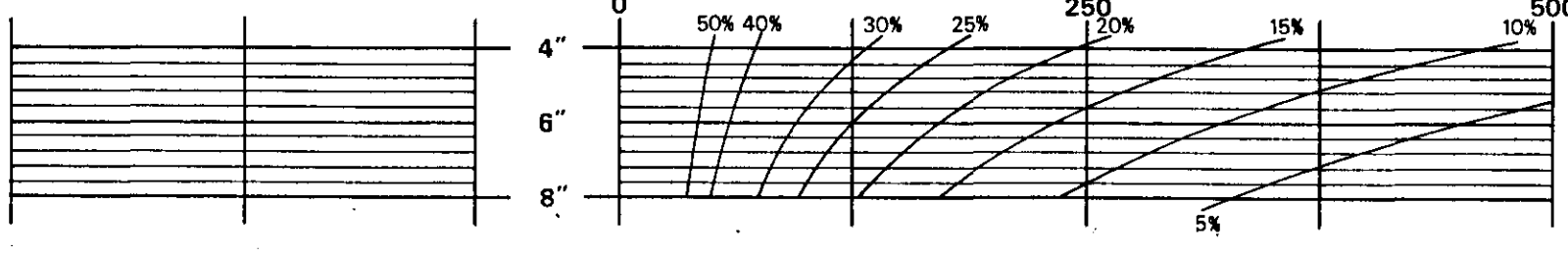
EQUIPMENT AND RECORDING DATA

LOG	TAPPING	LOG RECORDING	PANEL	CAT		
	TAPED	SPEED	REPL	SECS	NORM	CONF
1	Y	250	2	100	1	1
2	Y	250	2	100	1	1
3	Y	250	2	100	1	1
4	Y	250	2	100	1	1

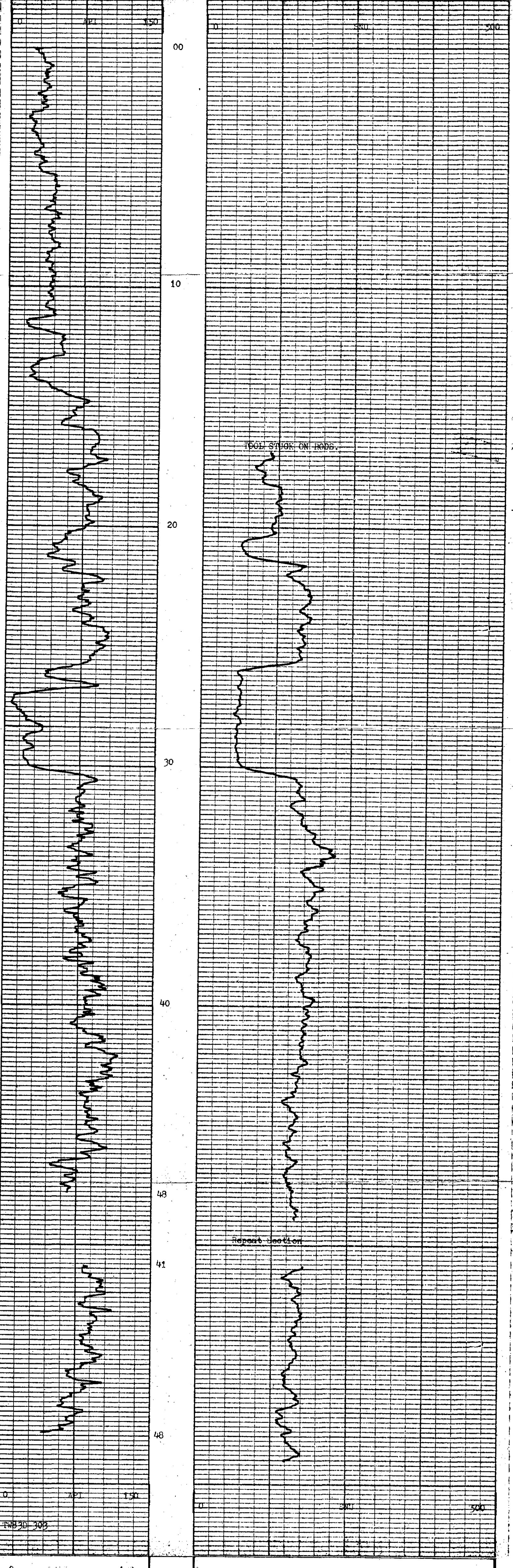
REMARKS

0	100	200	300	400	500
DEPTH					

SANDSTONE POROSITY



MY (2) A58431 R



0	100	200	300	400	500
DEPTH					



BOREHOLE FWB 2D 303
 CLIENT Energy West Resources Ltd.

AREA Wolfe EGS
 COUNTRY Canada

MY A58432 R

239



Report by & James Ray Inc.

BOREHOLE TW22-303 (6)

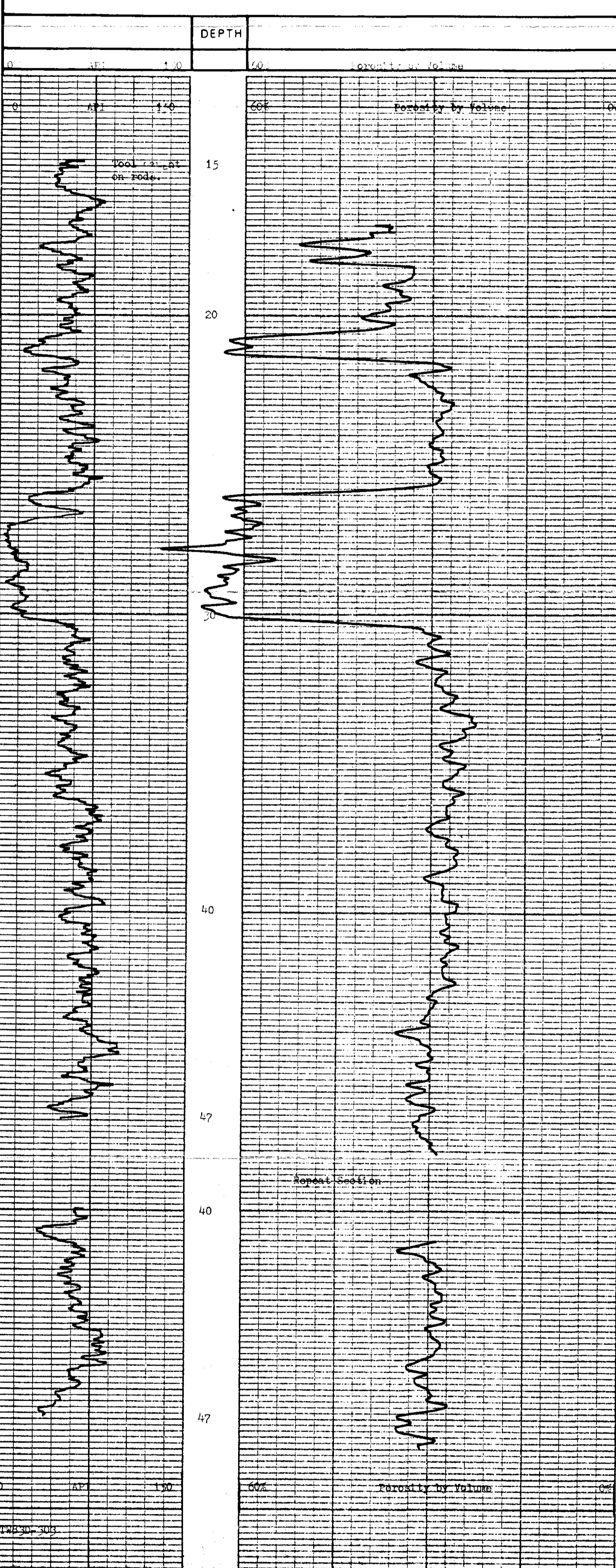
CLIENT Crown Neck Resources Ltd.

AREA Tellico Bay
COUNTRY Canada
DATE LOGGED 07/Jan/73

DEPTH SCALE
1100
1 OF 1 LOGS

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

LOG	TAPING	RECORDING	DIRECTORY	SPEED	REPLAY	SECS	PANEL	TAPE	CODE
LOG	Y	Y	D	1	1	1	1	1	1
TAPING	Y	Y	D	1	1	1	1	1	1
RECORDING	Y	Y	D	1	1	1	1	1	1
DIRECTORY	Y	Y	D	1	1	1	1	1	1
SPEED	Y	Y	D	1	1	1	1	1	1
REPLAY	Y	Y	D	1	1	1	1	1	1
SECS	Y	Y	D	1	1	1	1	1	1
PANEL	Y	Y	D	1	1	1	1	1	1
TAPE	Y	Y	D	1	1	1	1	1	1
CODE	Y	Y	D	1	1	1	1	1	1



LOG	TAPING	RECORDING	DIRECTORY	SPEED	REPLAY	SECS	PANEL	TAPE	CODE
LOG	Y	Y	D	1	1	1	1	1	1
TAPING	Y	Y	D	1	1	1	1	1	1
RECORDING	Y	Y	D	1	1	1	1	1	1
DIRECTORY	Y	Y	D	1	1	1	1	1	1
SPEED	Y	Y	D	1	1	1	1	1	1
REPLAY	Y	Y	D	1	1	1	1	1	1
SECS	Y	Y	D	1	1	1	1	1	1
PANEL	Y	Y	D	1	1	1	1	1	1
TAPE	Y	Y	D	1	1	1	1	1	1
CODE	Y	Y	D	1	1	1	1	1	1



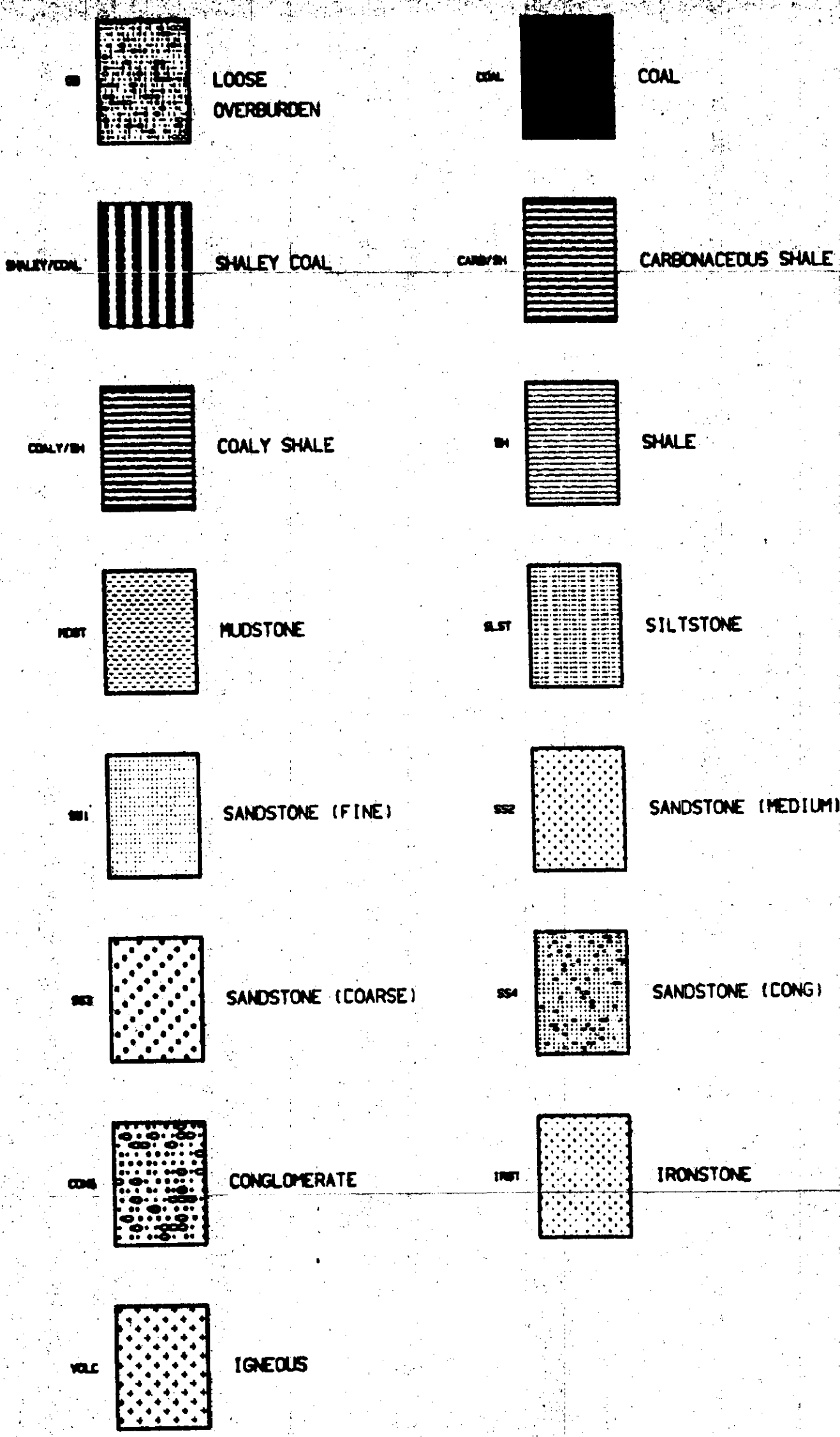
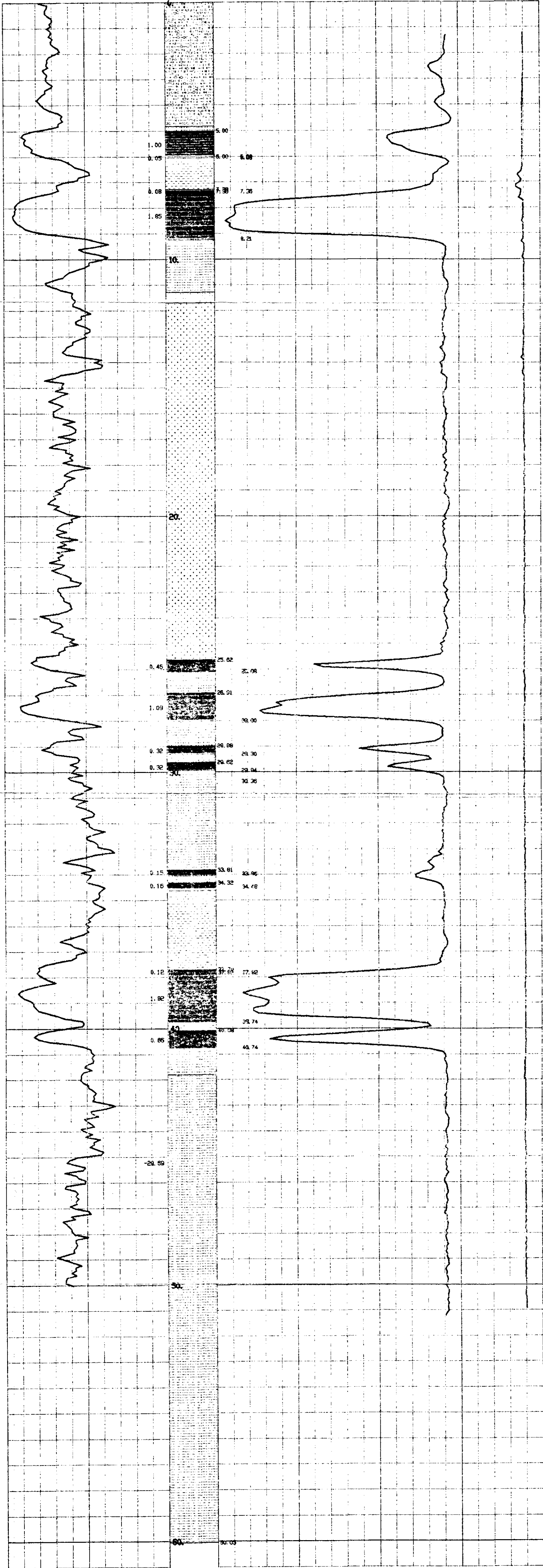
BOREHOLE TW22-303
CLIENT Crown Neck Resources Ltd.
AREA Tellico Bay
COUNTRY Canada

TELKWA PROJECT

239

DRILL HOLE #304 ①

GAMMA API 150. 1500. DENSITY SDU .00 7.00 2.00 CALIPER INCHES



1K-T EUCWA 83(L)A

239



B 1483 0983 394 BVD

SEAM THICKNESS LOG

SEAM THICKNESS LOG INTERVALS

SONDE TYPE: _____
 COAL COMBINATION SONDE: _____

LOG SUITE: _____
 CALIPER: _____
 BR DENSITY: _____

BOREHOLE: 100-304 (2)
 CLIENT: _____
 AREA: _____
 COUNTRY: _____
 DATE LOGGED: 04/14/83

DEPTH SCALE: _____
 LOGS: _____

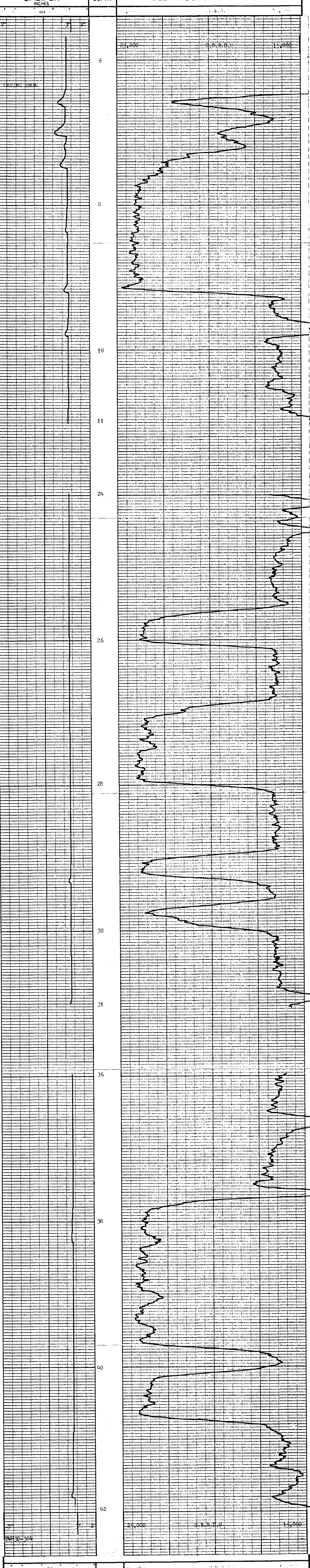
BOREHOLE DATA: REFER TO LITHOLOGY LOG
 OPERATION DATA: REFER TO LITHOLOGY LOG
 EQUIPMENT AND RECORDING DATA: _____
 COAL COMBINATION SONDE: _____

LOG: _____
 TAPPING PANEL: _____
 LOG SPEED: _____
 LOG SPEED: _____
 LOG SPEED: _____

CALIPER: _____
 BR DENSITY: _____

SOURCE SONDE AND CALIBRATION: _____
 REFER TO LITHOLOGY LOG

B P B SEAM THICKNESS LOG



SEAM THICKNESS LOG

CALIPER INCHES: _____
 DEPTH: _____
 BED RESOLUTION DENSITY: _____

BOREHOLE: 100-304
 CLIENT: _____
 AREA: _____
 COUNTRY: _____



239



BOREHOLE T803-304 (3)
CLIENT Crown Nest Resources Ltd.
AREA Tulkom B.C.
COUNTRY Canada
DEPTH SCALE 1:20
DATE LOGGED 04/25/87
LOGS 2 OF 5 LOGS

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

COAL QUALITY LOG

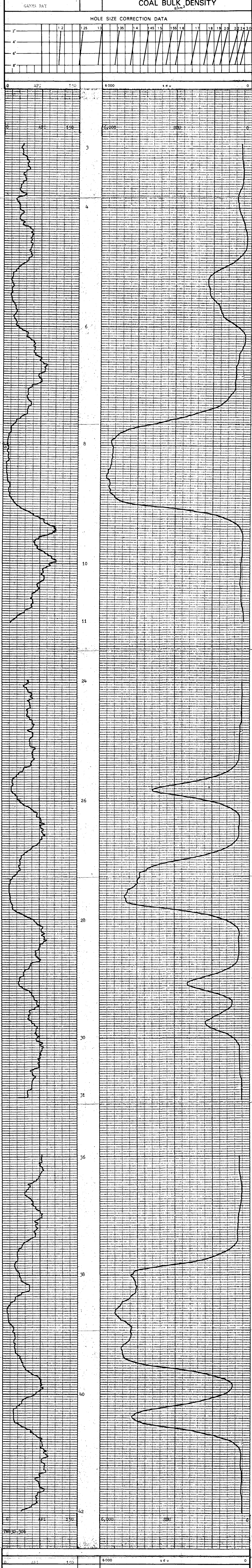
SONDE TYPE:
COAL COMBINATION SONDE

LOG SUITE:
 GAMMA RAY
 L.S. DENSITY

COAL QUALITY LOG INTERVALS

FROM	42.0m	31.0m	11.0m
TO	36.0m	29.0m	3.0m
INTERVAL	6.0m	2.0m	8.0m
FROM			
TO			
INTERVAL			
REMARKS			

B P B COAL QUALITY LOG



COAL BULK DENSITY g/cm^3

GAMMA RAY

BOREHOLE T803-304
CLIENT Crown Nest Resources Ltd.
AREA Tulkom B.C.
COUNTRY Canada

COAL QUALITY LOG

239 1K-TELECOM 83 (3)A



Focused Electric Log

BOREHOLE TMS 30-304

4

CLIENT Cross Nest Resources Ltd.

AREA Tolkmra B.C.

DEPTH SCALE 1:100

COUNTRY Canada

DATE LOGGED 04/25/83

1/2 OF LOGS

BOREHOLE DATA REFER TO Lithology LOG

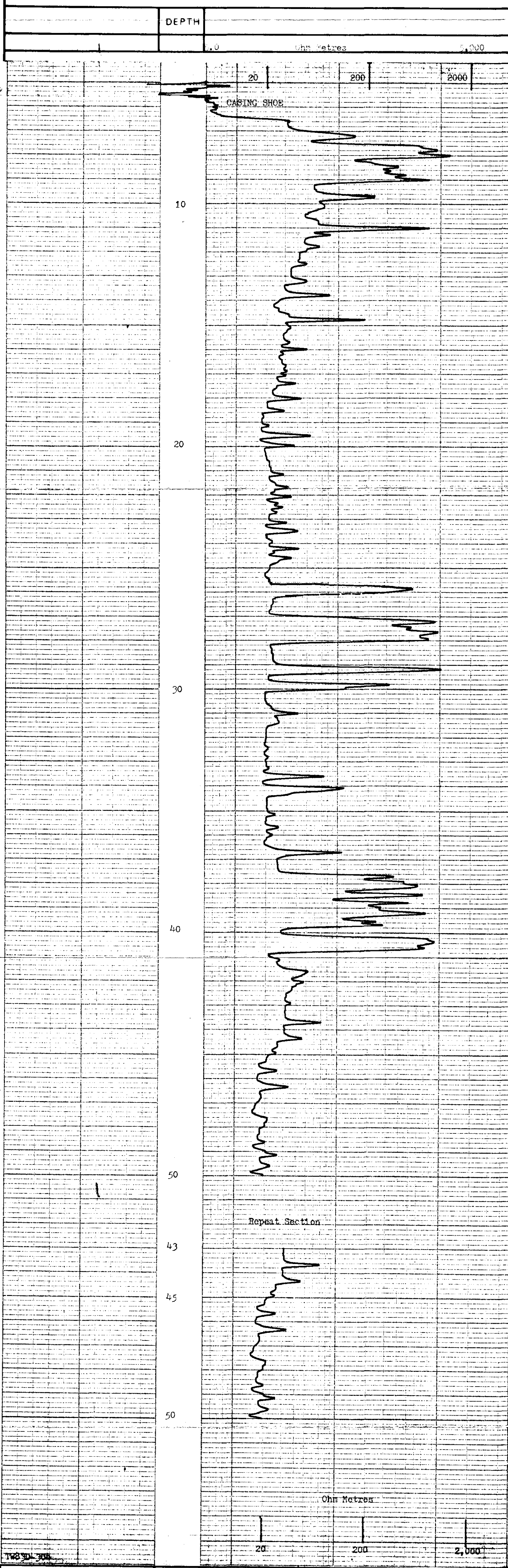
OPERATION DATA REFER TO Lithology LOG

EQUIPMENT AND RECORDING DATA

LOG	TAPING	RECORDING	PANEL	CAL
LOG TAPED	Y	RECORDING SPEED	100	NORM
		REPLAY SPEED	3	
		RECORDING		
		RECORDING		

REMARKS

f/d data only recorded to 27.0m



DEPTH	Ohm Metres
0	2000
10	200
20	20
30	200
40	200
43	200
45	200
50	200



12-TAKWA 8327A

239



Geophysical Laboratory
 1000 West 10th Street
 Regina, Saskatchewan, Canada

BOREHOLE 12-TAKWA 8327A (5)

CLIENT Canadian West Resources Ltd.

AREA 1000 West 10th St. DEPTH SCALE 1:100

COUNTRY Canada

DATE LOGGED 07/12/73 10 OF 3 LOGS

BOREHOLE DATA REFER TO LOG 1:100

OPERATION DATA REFER TO LOG 1:100

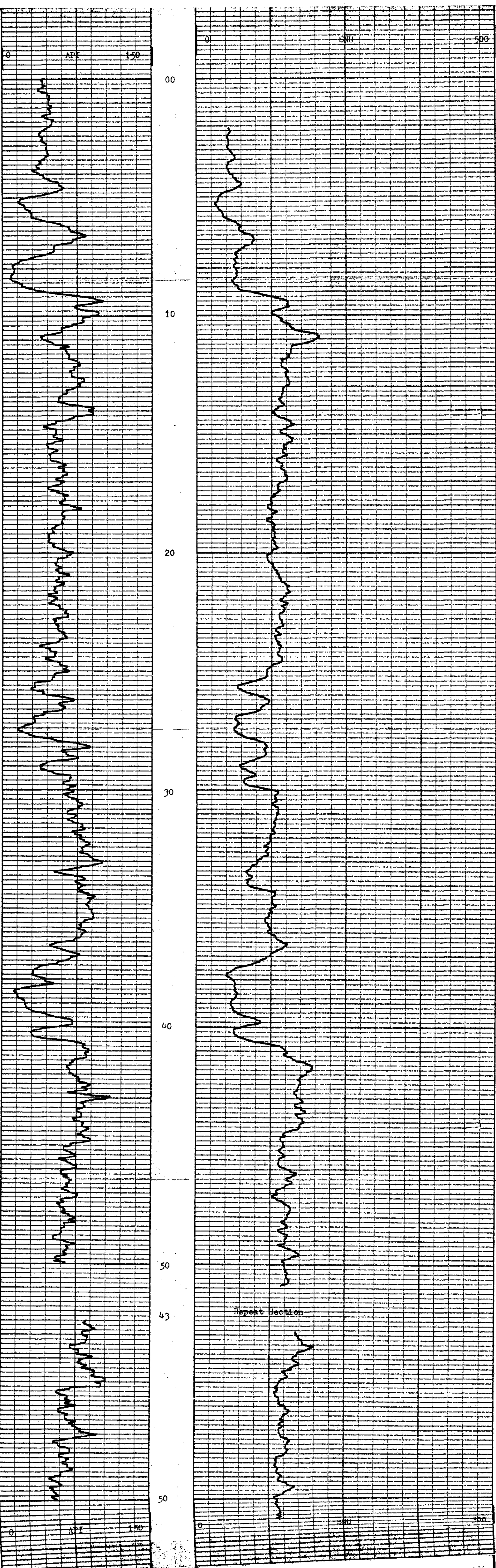
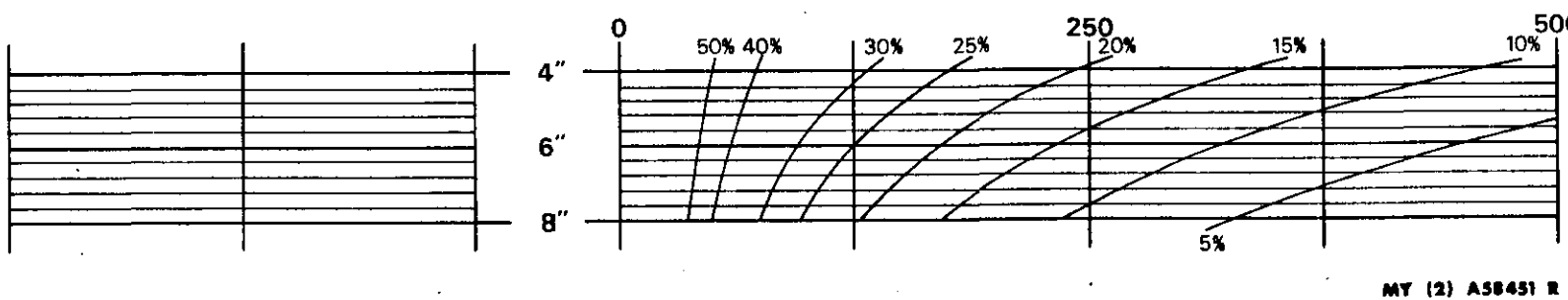
EQUIPMENT AND RECORDING DATA

LOG	TAPING	LOG RECORD	RECORDING	PANEL	SCALE	DATE
1	Y	Y	Y	1	1:100	07/12/73
2	Y	Y	Y	1	1:100	07/12/73
3	Y	Y	Y	1	1:100	07/12/73

REMARKS

DEPTH	LOG	DEPTH	LOG
0	1	0	1

SANDSTONE POROSITY



DEPTH	LOG	DEPTH	LOG
0	1	0	1

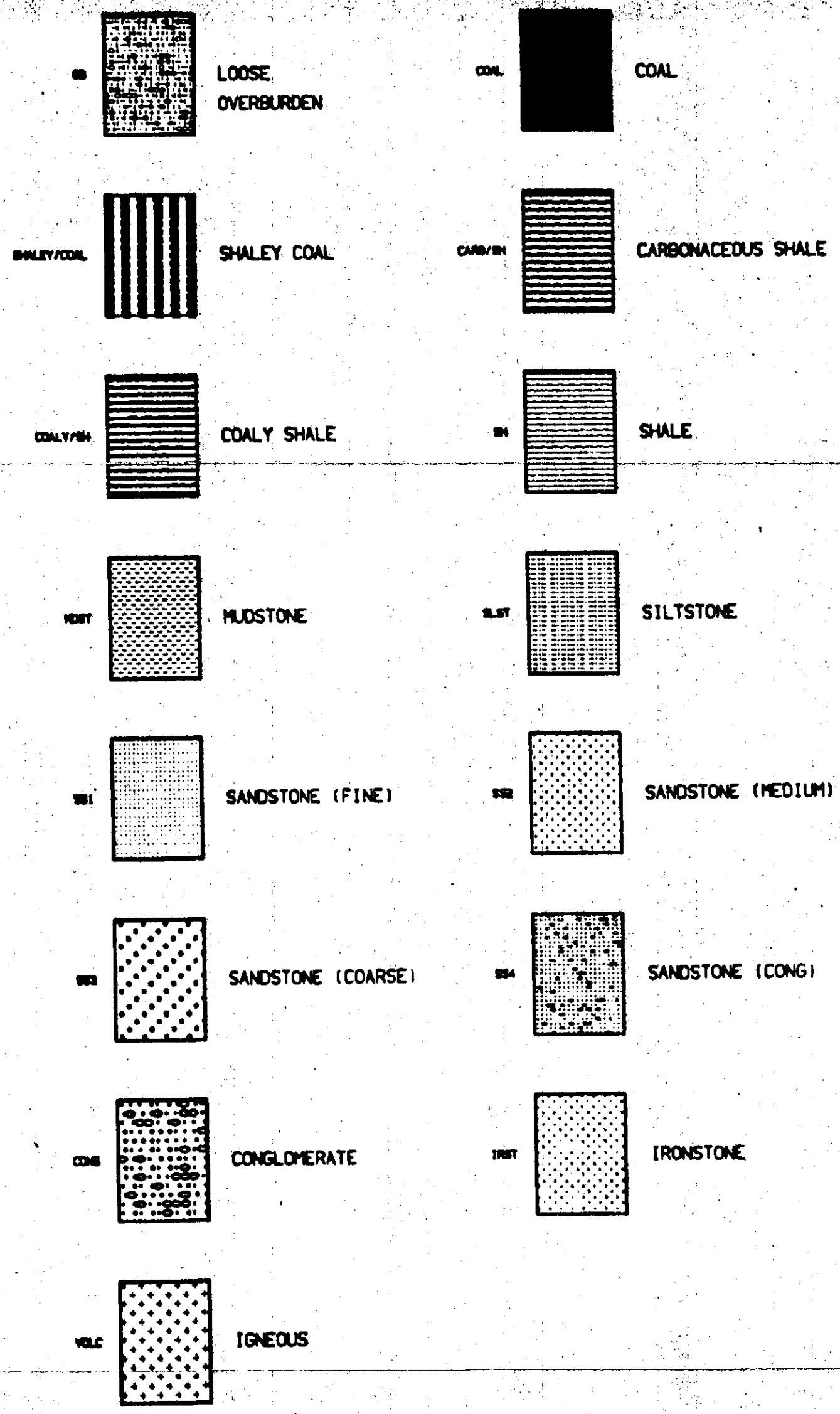
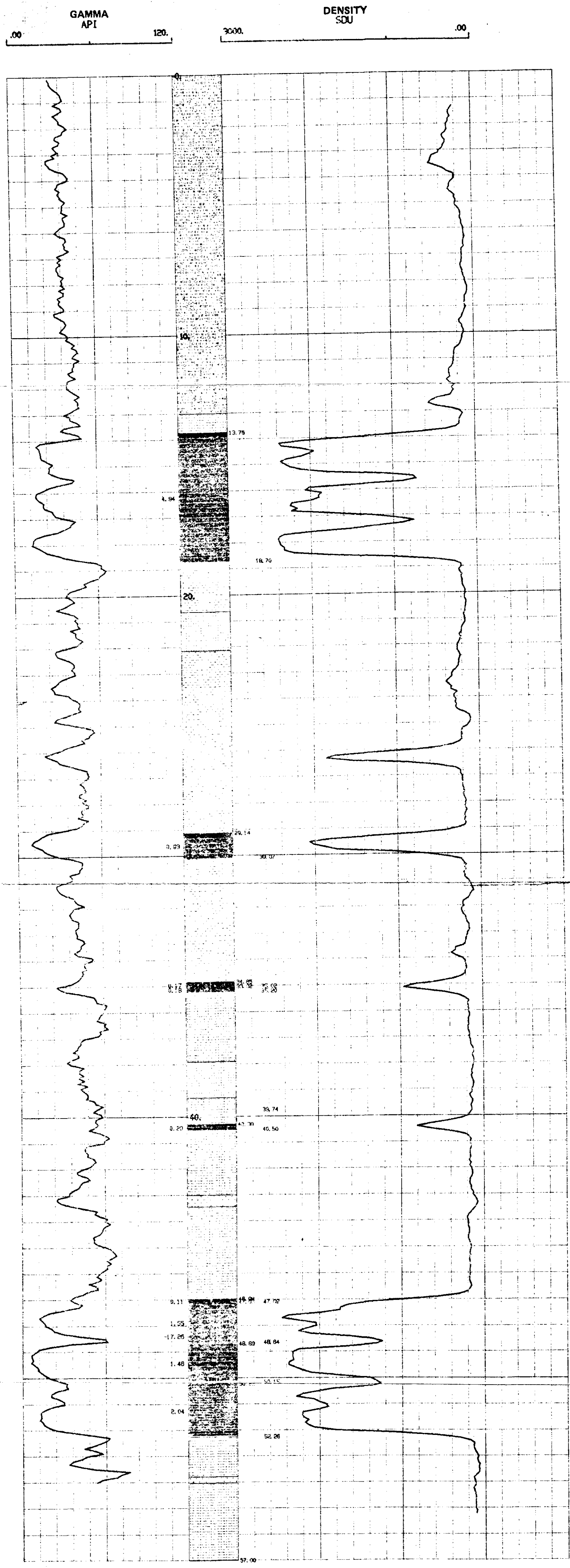


BOREHOLE 12-TAKWA 8327A
 CLIENT Canadian West Resources Ltd.

AREA 1000 West 10th St.
 COUNTRY Canada

TELKWA PROJECT 239

DRILL HOLE #305 (1)



1111 - 151111 83(13)A

239



BOREHOLE TW-2-305 (2)
CLIENT Crown West Resources Ltd.

AREA Talkway
COUNTRY Canada
DATE LOGGED 07/27/03

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

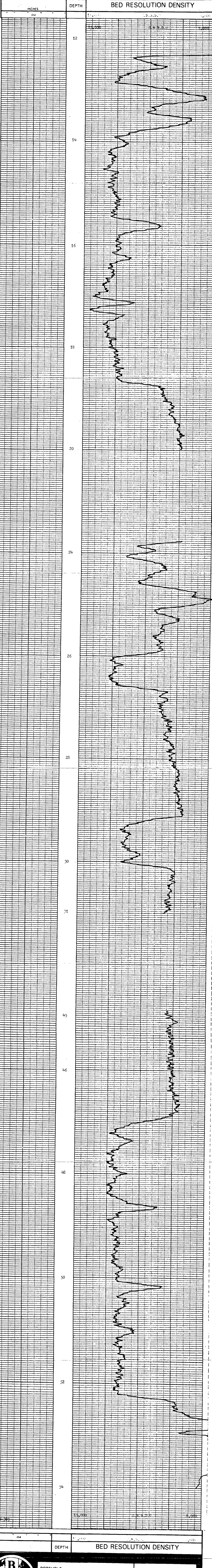
SEAM THICKNESS LOG

LOG SIGNAL POSITION
LOG TYPE LOG RECORDING SPEED SECS NORM
CALIBER V 27/7 R 27/7
DENSITY V 27/7 R 27/7

SONDE TYPE:
COAL COMBINATION SONDE

LOG SUITE:
CALIBER
B R DENSITY

B P B SEAM THICKNESS LOG



BED RESOLUTION DENSITY

DEPTH 12 14 16 18 20 24 26 28 30 31 45 46 48 50 52 54

INCHES dia



BOREHOLE TW-2-305
CLIENT Crown West Resources Ltd.
AREA Talkway
COUNTRY Canada

SEAM THICKNESS LOG

1K-TELKOM 8313M

239



BOREHOLE TW-20-205
CLIENT Cross Next Resources Ltd.

AREA Telkwa B.C.
COUNTRY Canada
DATE LOGGED 04/Jan/83

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

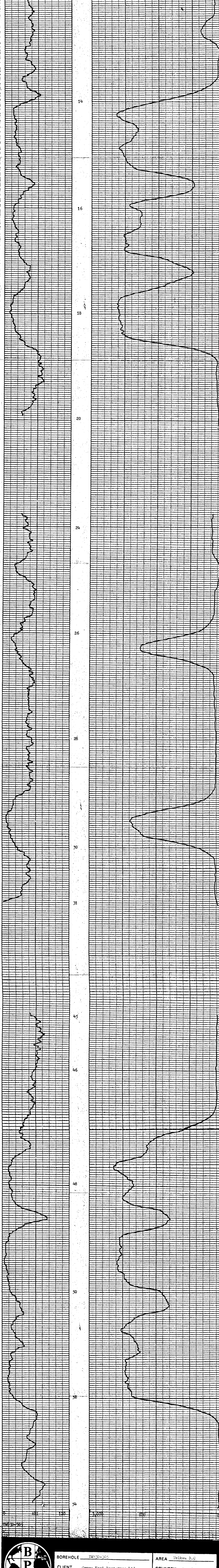
COAL QUALITY LOG
LOG

SONDE TYPE
COAL COMBINATION
SONDE

LOG SUITE:
GAMMA RAY
L S DENSITY

LOG	TAPPING	PANEL	DEPTH
GAMMA	100	1	1.57
L S DENSITY	100	1	1.57

B P B COAL QUALITY LOG



BOREHOLE TW-20-205 AREA Telkwa B.C.
CLIENT Cross Next Resources Ltd. COUNTRY Canada

COAL QUALITY LOG



239

10-15-66 43(3)A

Neutron/Neutron & Gamma Ray Log
(IN RODS)

BOREHOLE TWR 30-305 (4)
CLIENT Crows Nest Resources Ltd.

AREA Talkwa B.C. DEPTH SCALE 1:100
COUNTRY Canada DATE LOGGED 02/10/63 4 OF 4 LOGS

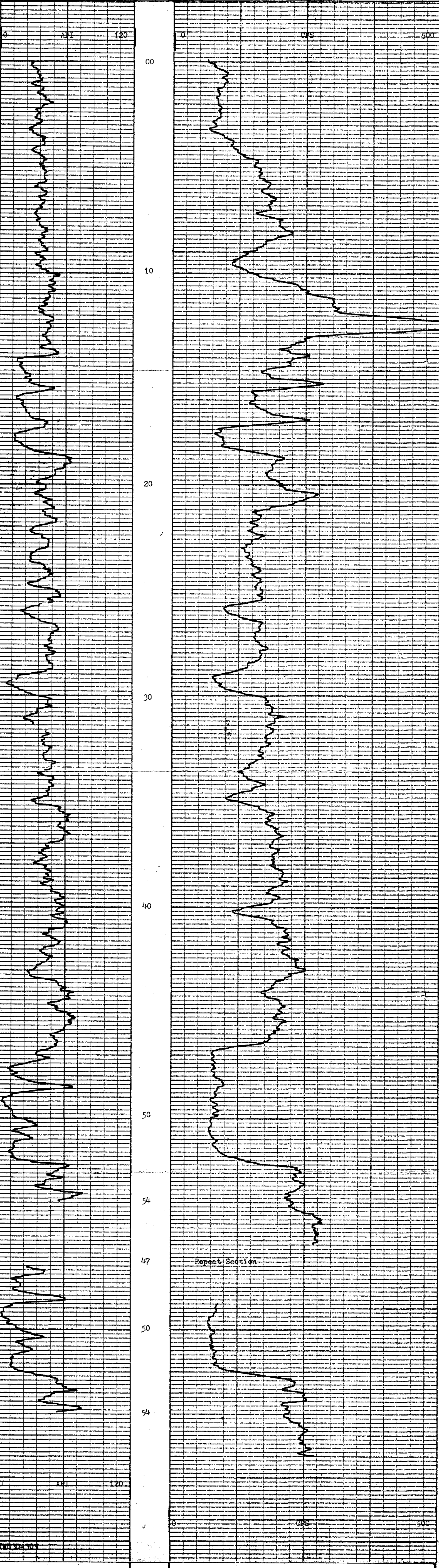
BOREHOLE DATA REFER TO Lithology LOG
OPERATION DATA REFER TO Lithology LOG

EQUIPMENT AND RECORDING DATA

LOG	TAPING	LOG RECORDING	PANEL	SCALE
N/N	Y	9m/m	D	9m/m 1
S/A	Y	9m/m	R	9m/m 1
				1.17

REMARKS
Porosity Log not available

DEPTH	0	120	0	500
	API		GPS	



DEPTH	0	120	0	500
	API		GPS	



BOREHOLE TWR 30-305 AREA Talkwa B.C.
CLIENT Crows Nest Resources Ltd. COUNTRY Canada

239

12-151200 83 (5)A



Report of Logging Operations

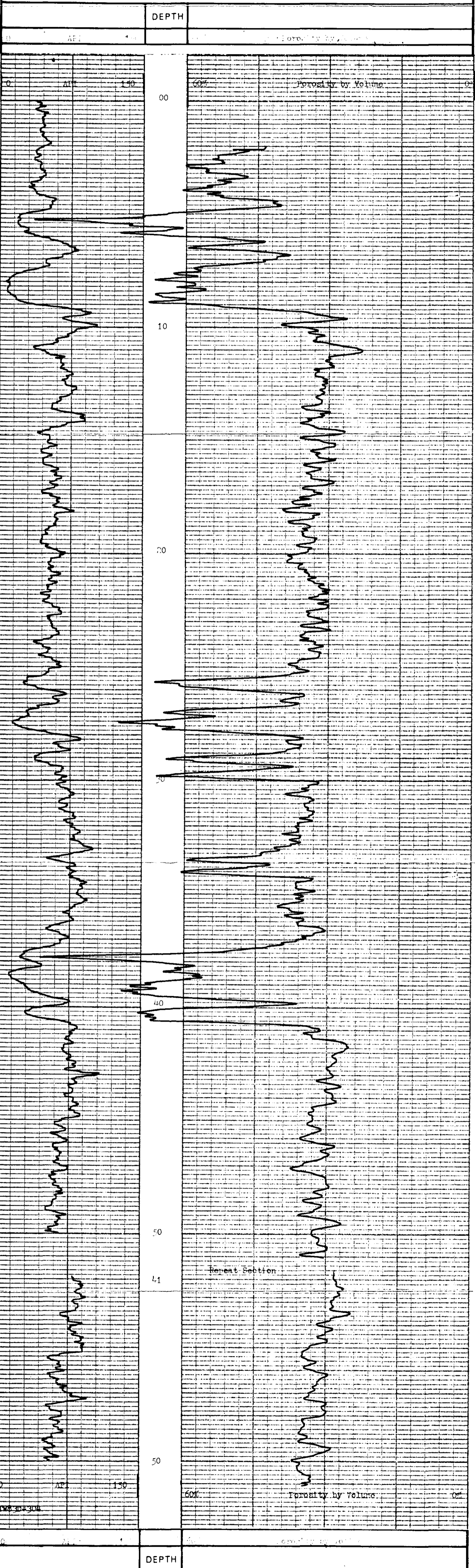
BOREHOLE 304 (6)
 CLIENT Groundwater Resources, Inc.

AREA San Jose, Costa Rica DEPTH SCALE 1:1
 COUNTRY Costa Rica
 DATE LOGGED 12/15/83 OF LOGS 1

BOREHOLE DATA REFER TO LOG 304-1
 OPERATION DATA REFER TO LOG 304-1
 EQUIPMENT AND RECORDING DATA

LOG	TAPING	RECORDING	DIRECTING	SPEED	PANEL	T.C.	INFORM	CAI	COEFF
	Y	Y	Y	Y	Y	Y	Y	Y	Y

REMARKS



BOREHOLE <u>304</u>	AREA <u>San Jose, Costa Rica</u>
CLIENT <u>Groundwater Resources, Inc.</u>	COUNTRY <u>Costa Rica</u>

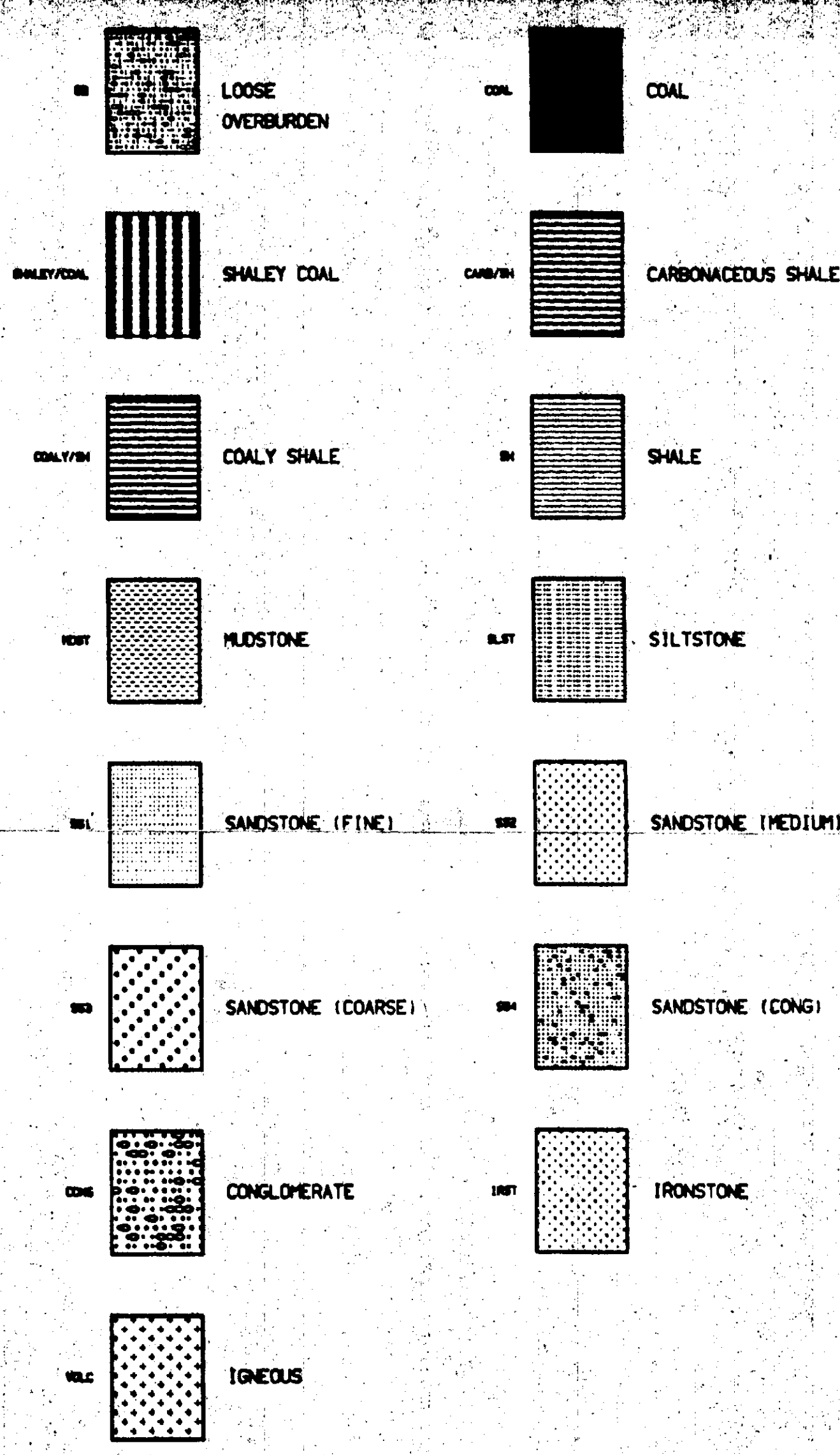
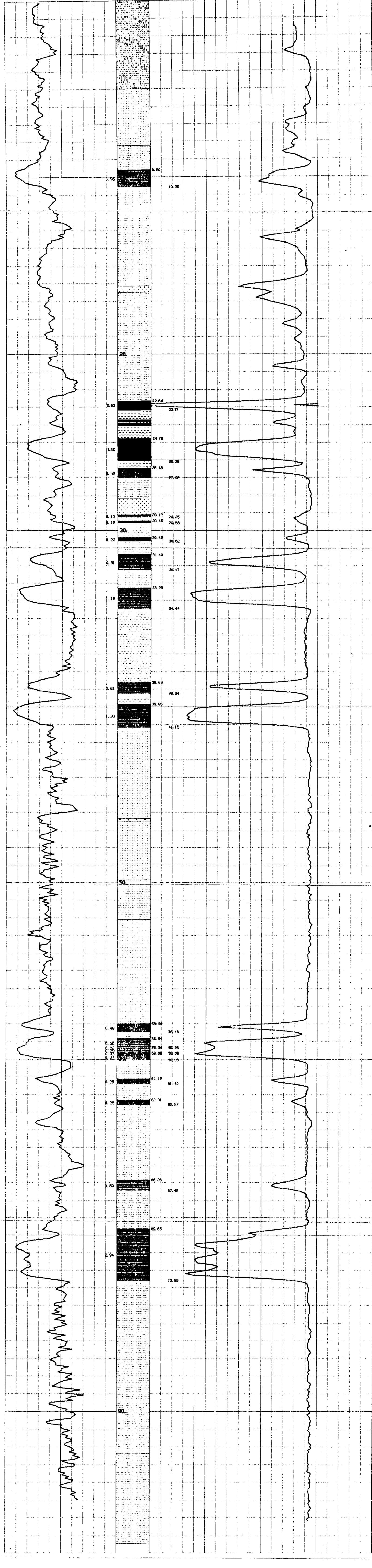
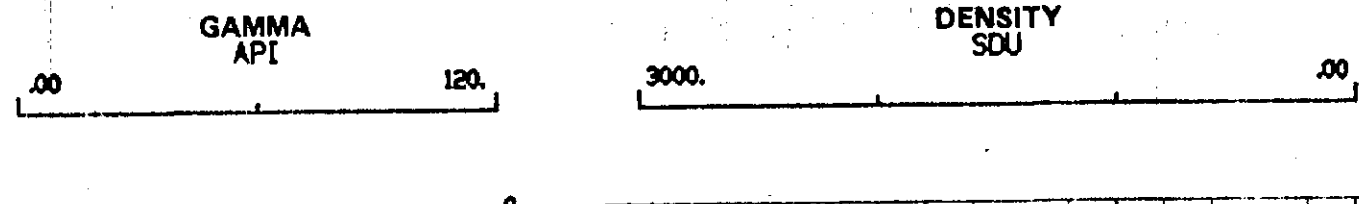


TK-TELKWA 8362

TELKWA PROJECT

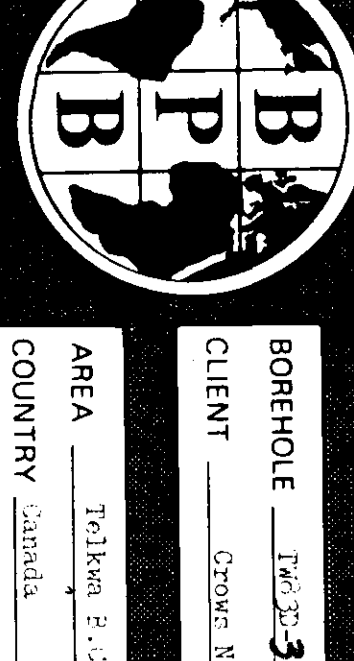
239

DRILL HOLE #306 ①



1K - Telara 83 (3)A

239



SEAM THICKNESS LOG

BOREHOLE: TEL-306 **2**

CLIENT: CROWN NEST RESOURCE LTD.

AREA: TOLKUN F-12 **PARISHKAT**

COUNTRY: Canada **1:20**

DATE LOGGED: 06/29/02 **5:00 PM**

BOREHOLE DATA: REFER TO UH-D00 LOG

OPERATION DATA: REFER TO UH-D00 LOG

EQUIPMENT AND RECORDING DATA

COAL COMBINATION SONDE: SIM WALL POSITION LOG

LOG: LOG **LOG**

LOG NUMBER: 1

SONDE SONDE AND CALIBRATION: REFER TO UH-D00 LOG

COAL COMBINATION SONDE: SONDE

SEAM THICKNESS LOG ANTENNAS

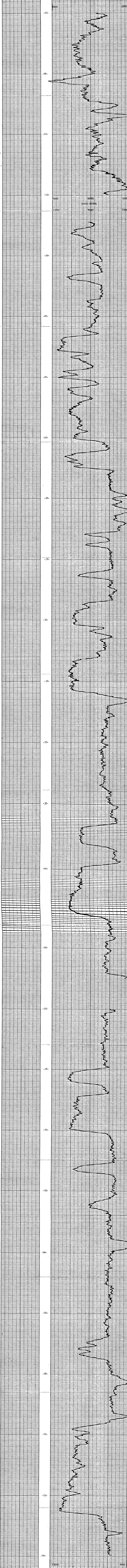
COMBINATION: SONDE

LOG SUITE: SONDE

CALIPER: SONDE

BB DENSITY: SONDE

REMARKS: LOG



B P B SEAM THICKNESS LOG

BOREHOLE: TEL-306 AREA: Tolkun 8.10

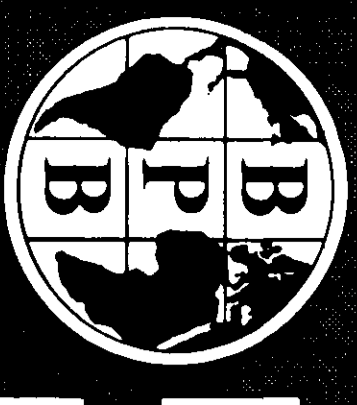
CLIENT: Crown Nest Resources Ltd. COUNTRY: Canada



MY 88002 8

15 - TELKWA 83 (5)A

239



Neutron/Neutron & Gamma Ray Log
(IN RODS)

BOREHOLE TR-3-306

CLIENT Crows Nest Resources Ltd.

AREA Telkwa, B.C.

COUNTRY Canada

DATE LOGGED 06/Jul/83

BOREHOLE DATA refer to Lithology LOG

OPERATION DATA refer to Lithology LOG

EQUIPMENT AND RECORDING DATA

LOG	TAPPING	PANEL	DATE
LOG	RECORDING	SPEED	1 C. NOM.
TAPED	SECTION	REVIEW	SECS.
N/N	f	psi/m	0 psi/m
g/g	f	psi/m	0 psi/m
1/1	1	psi/m	1 psi/m
1/1	1	psi/m	1 psi/m

REMARKS
Please note all figures are gamma counts.
Neutron/Neutron Log is presented in cps.
Corrected log is presented in Bq/g.



DEPTH	API	CPS
0	120	500



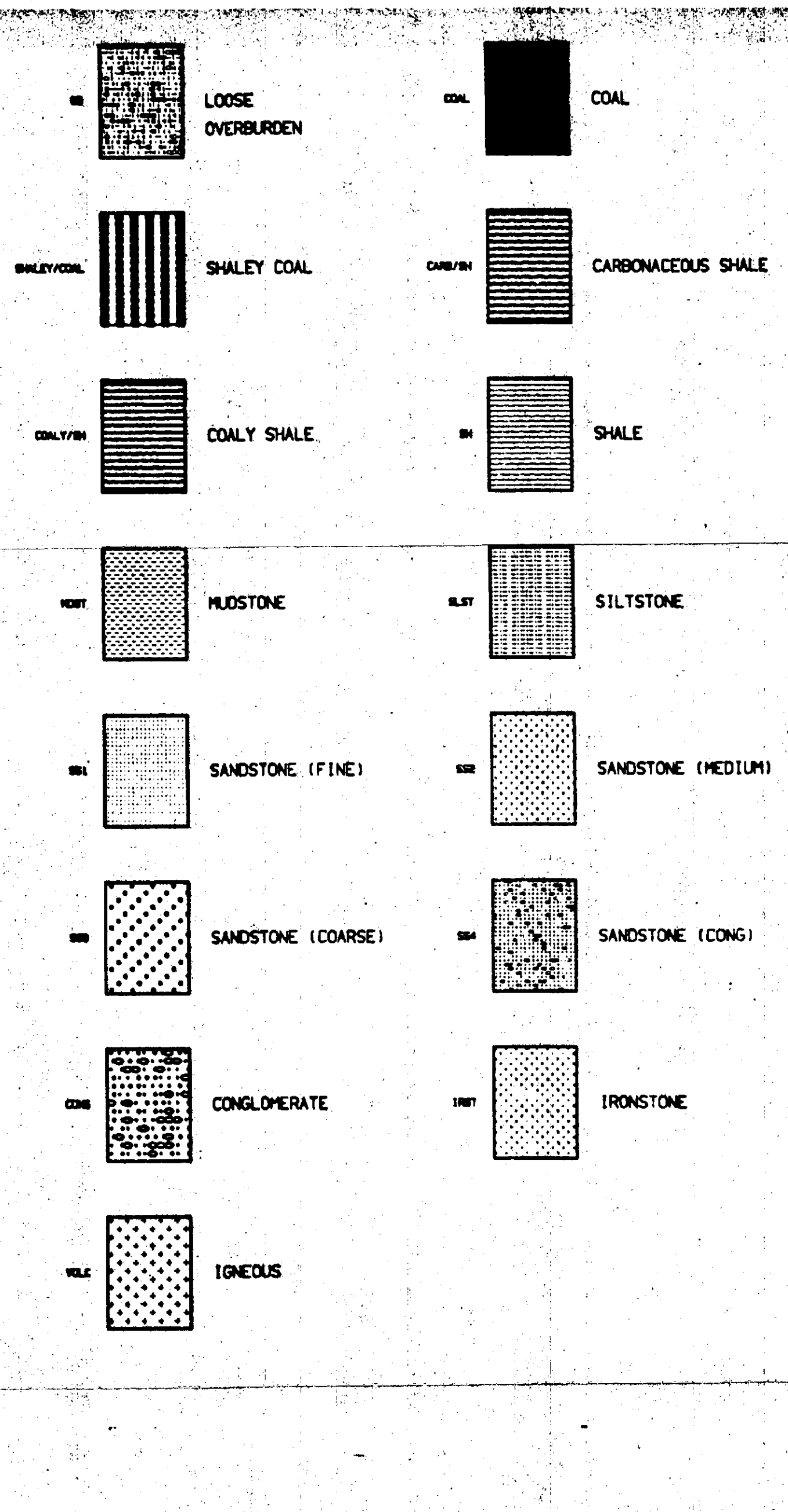
BOREHOLE TR-3-306 AREA Telkwa B.C.
CLIENT Crows Nest Resources Ltd. COUNTRY Canada

TK-TELKWA 8362A

TELKWA PROJECT 239

DRILL HOLE #307 ①

GAMMA API 150. DENSITY SDU 8000. CALIPER INCHES .00 7.00 2.00

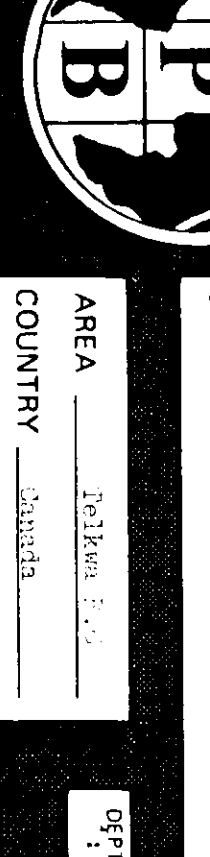


TC - TEUMIN 83 (3a)

239

B.P.B. 183 603 603 603

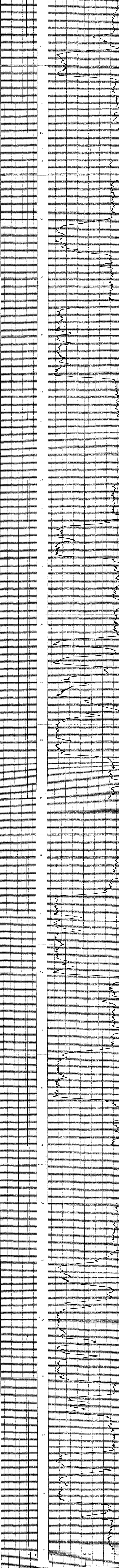
SEAM THICKNESS LOG



BOREHOLE: 13 S 367 (2)
 CLIENT: J.M. ...
 AREA: ...
 COUNTRY: ...
 DATE LOGGED: ...

BOREHOLE DATA: REFER TO HMD/OPV 105
 OPERATION DATA: REFER TO HMD/OPV 105
 EQUIPMENT AND RECORDING DATA:
 COAL COMBINATION SCENE:
 LOG NUMBER: ...

SONDE TYPE: ...
 COAL COMBINATION: ...
 LOG SUITE: ...
 CALIPER BRAND: ...
 CALIPER SERIAL: ...



CALIPER INCHES

DEPTH

BED RESOLUTION DENSITY

SEAM THICKNESS LOG

BOREHOLE: 13 S 367 (2)
 CLIENT: J.M. ...
 AREA: ...
 COUNTRY: ...

14-15-44 8349

239



BOREHOLE 166-207
CLIENT Crow's Nest Resources Ltd.

AREA Falkland Is.
COUNTRY Canada
DATE LOGGED 07/Jan/73

BOREHOLE DATA
OPERATION DATA
EQUIPMENT AND RECORDING DATA

COAL QUALITY LOG

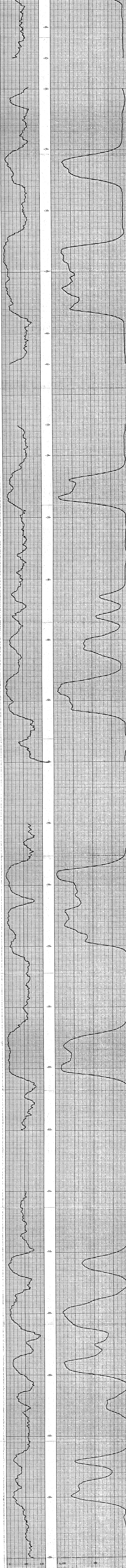
SONDE TYPE
COAL COMBINATION
LOG SUITE
GARRA RAY
L.S. DENSITY

B P B COAL QUALITY LOG

DEPTH GARRA RAY

COAL BULK DENSITY g/cm³

HOLE SIZE CORRECTION DATA



DEPTH GARRA RAY

COAL BULK DENSITY g/cm³



BOREHOLE 166-207
CLIENT Crow's Nest Resources Ltd.

AREA Falkland Is.
COUNTRY Canada

COAL QUALITY LOG

239

TK - TELKWA B3 (3)A



Foristed Electric Log

BOREHOLE TW6 3D-307 (4)

CLIENT Cross Nest Resources Ltd.

AREA Telkwa B.C.

COUNTRY Canada

DATE LOGGED 07/Jun/83

LOG REF: 4 of 5 LOGS

BOREHOLE DATA REF: TEL: thology LOG

OPERATION DATA REF: TEL: thology LOG

EQUIPMENT AND RECORDING DATA

LOG TAPING PANEL

LOG RECORDING SPEED SEC. NORM

LOG SPEED 5 20/7

LOG SPEED 5 20/7

LOG SPEED 5 20/7

LOG SPEED 5 20/7

LOG SPEED 5 20/7

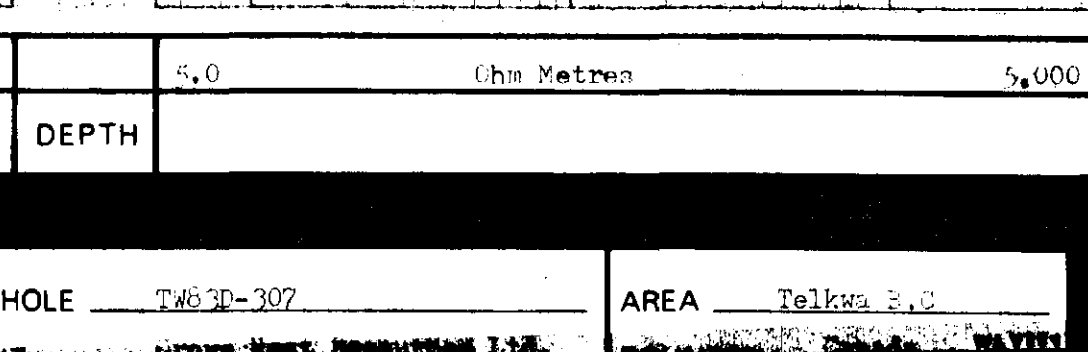
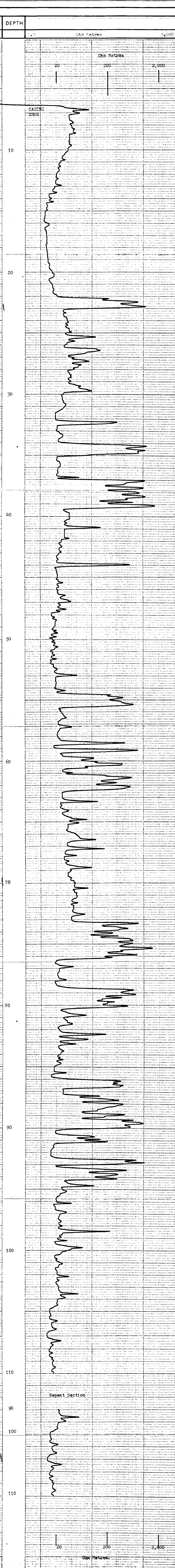
LOG SPEED 5 20/7

LOG SPEED 5 20/7

LOG SPEED 5 20/7

LOG SPEED 5 20/7

LOG SPEED 5 20/7



BOREHOLE TW6 3D-307 CLIENT Cross Nest Resources Ltd.

AREA Telkwa B.C.

1K-Tekura 83(3)A

239



BOREHOLE _____ 397 (5)

CLIENT _____

AREA _____ DEPTH SCALE _____

COUNTRY _____ OF LOGS _____

DATE LOGGED _____

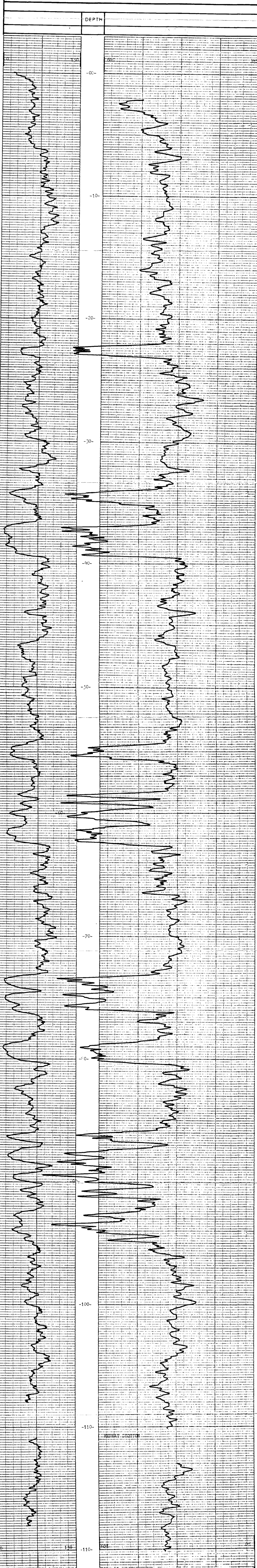
BOREHOLE DATA REFER TO LOG _____

OPERATION DATA REFER TO LOG _____

EQUIPMENT AND RECORDING DATA

LOG	TAPING	PANEL	DATE
LOG	TAPING	PANEL	DATE
LOG	TAPING	PANEL	DATE
LOG	TAPING	PANEL	DATE

REMARKS



BOREHOLE _____ AREA _____

CLIENT _____ COUNTRY _____

DEPTH

MY A384528

239



CLARK BAY & NEPTUN-NEPTON

BOREHOLE TWT: 507 (6)

CLIENT Crown Nest Resources Ltd.

AREA Telkwa

COUNTRY Canada

DATE LOGGED 07/10/83

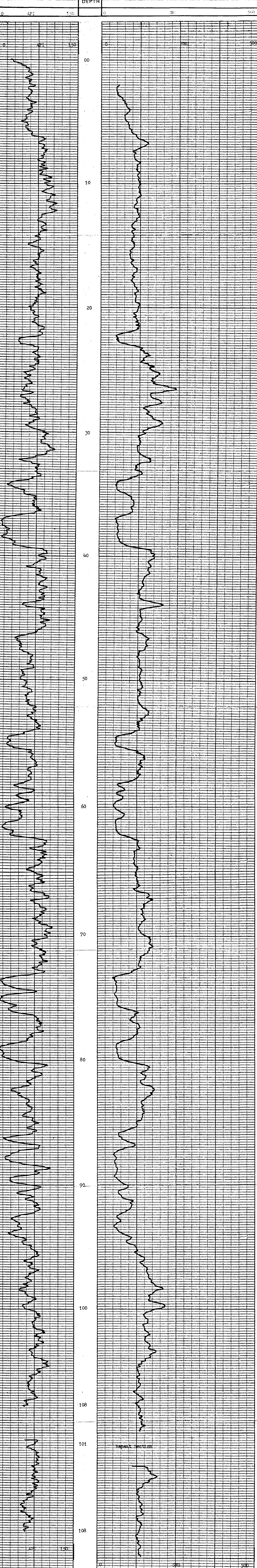
BOREHOLE DATA REFER TO Lithology LOG

OPERATION DATA REFER TO Lithology LOG

EQUIPMENT AND RECORDING DATA

LOG TAPING PANEL TWT

REMARKS



0	API	150	0	SN	500
DEPTH			DEPTH		



BOREHOLE TWT: 507
 CLIENT Crown Nest Resources Ltd.

AREA Telkwa E.C.
 COUNTRY Canada

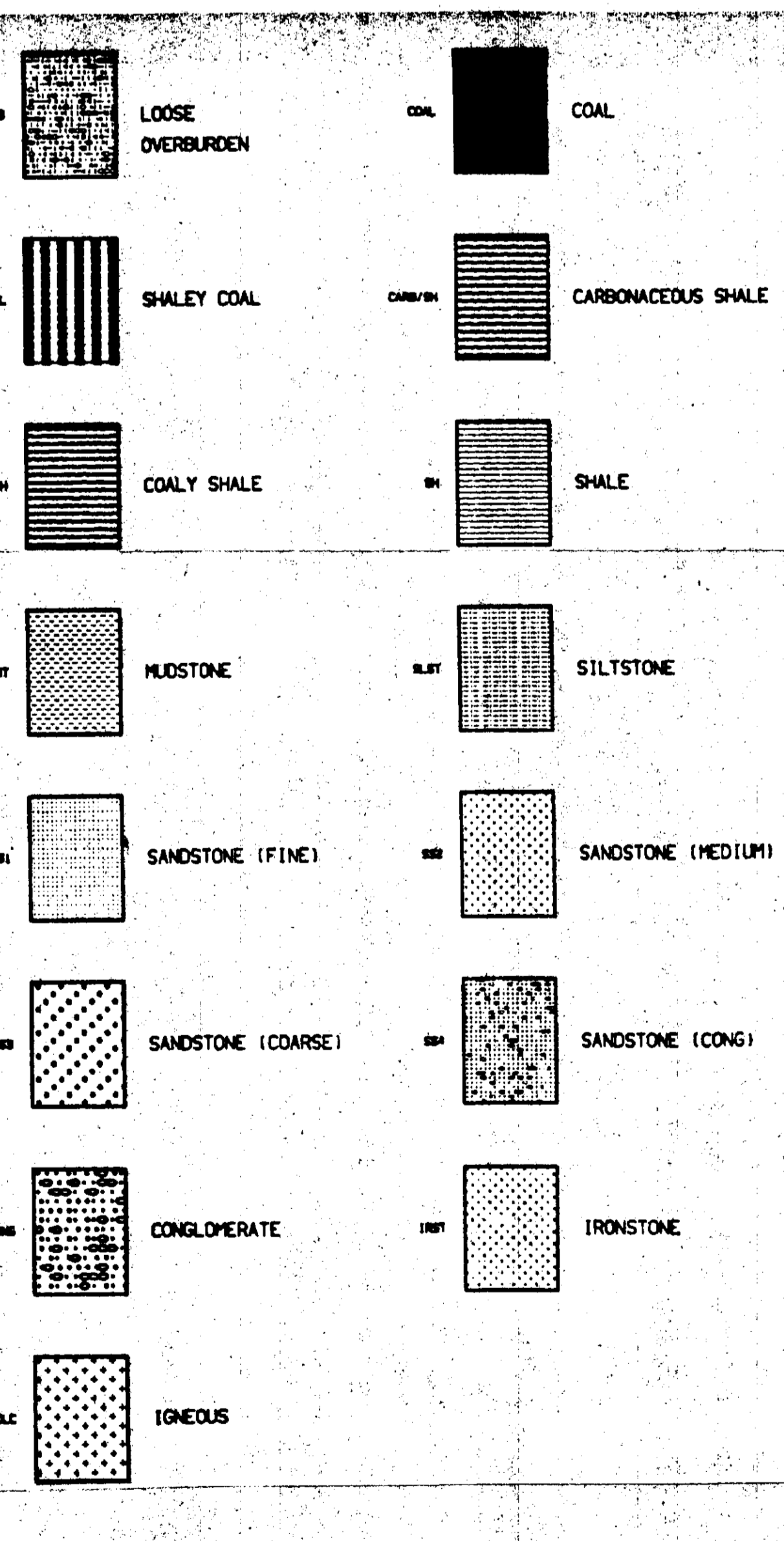
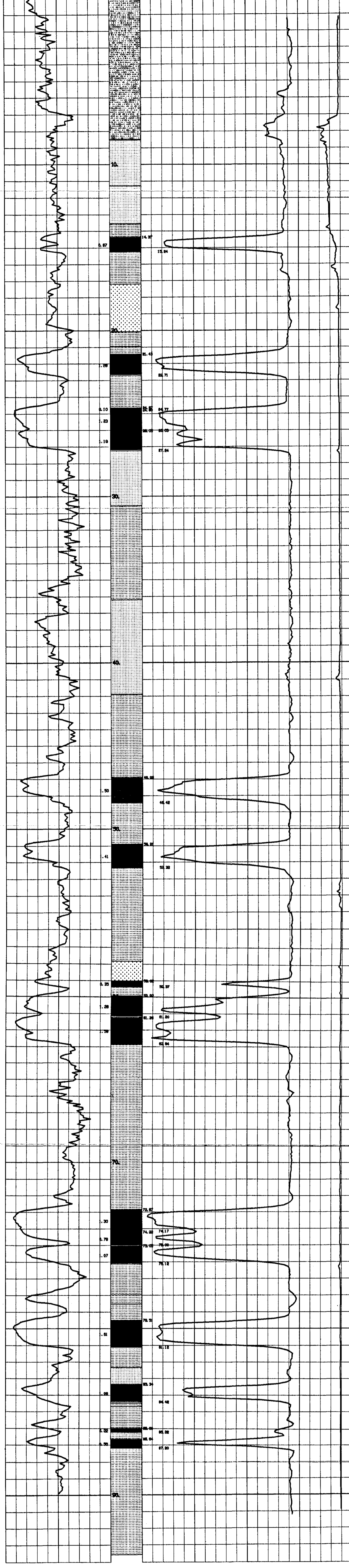
Tic-Tekwan 8363h

TELKWA PROJECT

239

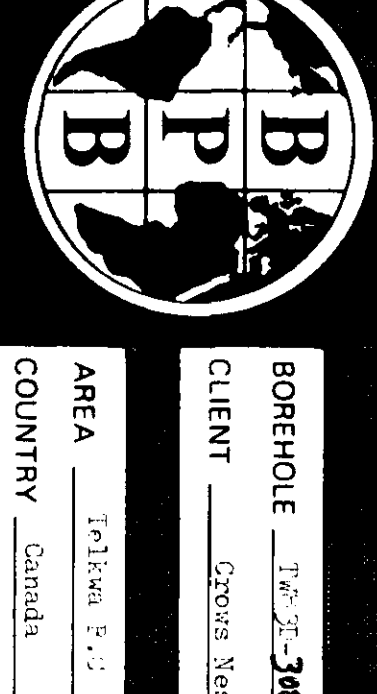
DRILL HOLE #308 ①

GAMMA API 150. 0000. DENSITY SDU .00 7.00 2.00 CALIPER INCHES



239

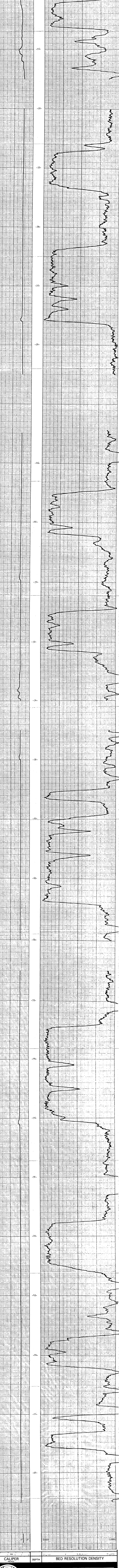
IK - Eureka 83 (3)



BOREHOLE 16-05-98 (2)
 CLIENT Crown Point Resources Ltd.
 AREA Treston 5-2
 COUNTRY Canada
 DATE LOGGED 06/10/03
 BOREHOLE DATA REFER TO LITHO LOG
 OPERATION DATA REFER TO LITHO LOG
 EQUIPMENT AND RECORDING DATA
 COAL COMBINATION SONDE
 LOG NAME PROJECT SERIAL POSITION
 LOG NO. 239 16-05-98 16-05-98 16-05-98
 CALIPER 3/8" 3/8" 3/8" 3/8"
 BAR SPACING 3/8" 3/8" 3/8" 3/8"
 SOURCE SONDE AND CALIBRATION REFER TO LITHO LOG

SEAM THICKNESS LOG
 SEAM THICKNESS LOG INTERVALS
 SONDE TYPE
 COAL COMBINATION
 SONDE FROM TO TOTAL
 LOG SUITE
 CALIPER
 BR DENSITY
 REMARKS

B P B SEAM THICKNESS LOG



CALIPER INCHES DEPTH BED RESOLUTION DENSITY
 BOREHOLE 16-05-98 AREA Treston 5-2
 CLIENT Crown Point Resources Ltd. COUNTRY Canada
 SEAM THICKNESS LOG



MY 88002 R

14 - TELKWA 83/1A

239



COAL QUALITY LOG

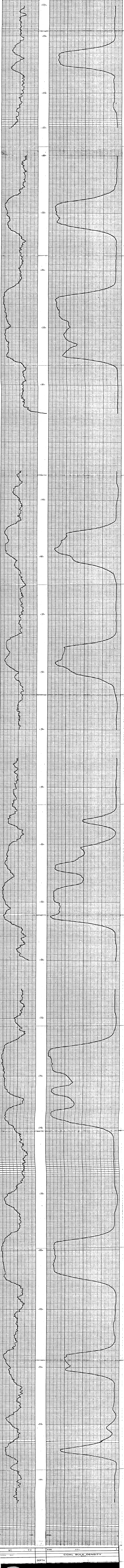
BOREHOLE TW30-306
 CLIENT Dynata North Resources Ltd.
 AREA Telkwa B.C.
 COUNTRY Canada
 DATE LOGGED 06/14/83
 3 of 4 logs

BOREHOLE DATA REFER TO LITHOLOGY LOG
 OPERATION DATA REFER TO LITHOLOGY LOG
 EQUIPMENT AND RECORDING DATA
 COAL COMBINATION SOME

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

LOG INTERVALS:
 FROM 89.0m 61.0m 74.0m 87.0m 100.0m
 TO 71.0m 57.0m 47.0m 60.0m 73.0m
 INTERVAL 18.0m 4.0m 9.0m 4.0m 4.0m
 REMARKS:
 TOTAL 1.77

B P B COAL QUALITY LOG



239
K-Telkwa 533A



Focused Electric Log.

BOREHOLE TWB 2D-308 (4)

CLIENT Crow's Nest Resources Ltd.

AREA Telkwa B.C.

COUNTRY Canada

DATE LOGGED 08/Jan/83

DEPTH SCALE 1:100

LOGS 4 of 6 LOGS

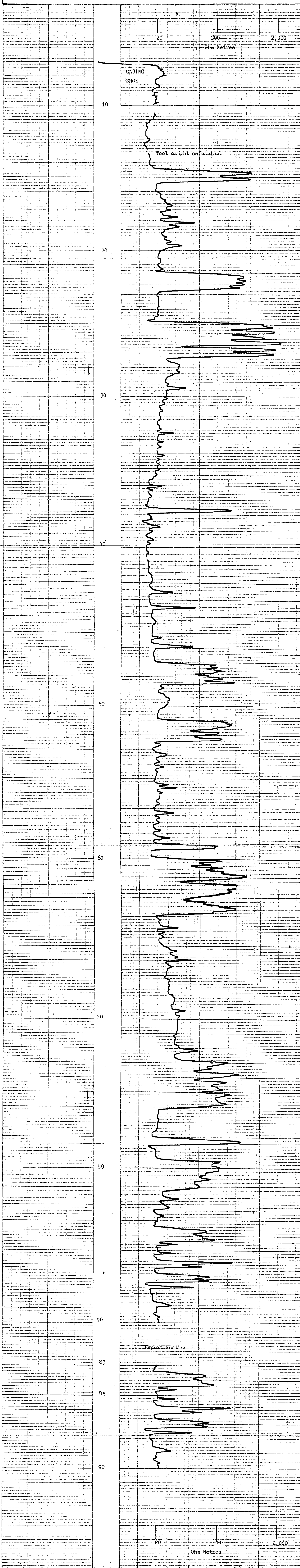
BOREHOLE DATA refer to lithology LOG

OPERATION DATA refer to lithology LOG

EQUIPMENT AND RECORDING DATA

LOG	TAPPING	PAVE	COEFF
LOG RECORDING SPEED SCS	LOG RECORDING SPEED SCS	LOG RECORDING SPEED SCS	LOG RECORDING SPEED SCS
F/R	Y	D	1.3
SPICE	2.32	SPICE	-

DEPTH 5.0 Ohm Metres 5,000



DEPTH 5.0 Ohm Metres 5,000



BOREHOLE TWB 2D-308
CLIENT Crow's Nest Resources Ltd.

AREA Telkwa B.C.
COUNTRY Canada

1K-15114A 53(3)A

239



James Bay & Northern/Arctic Log

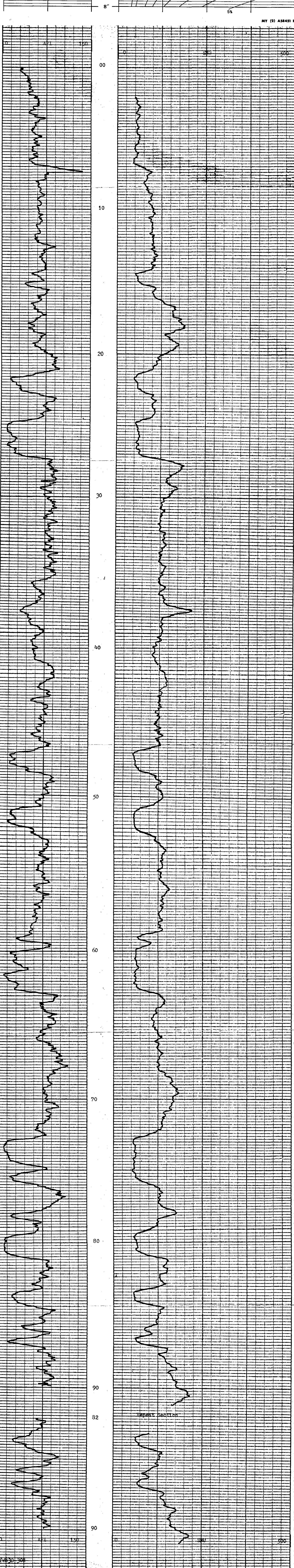
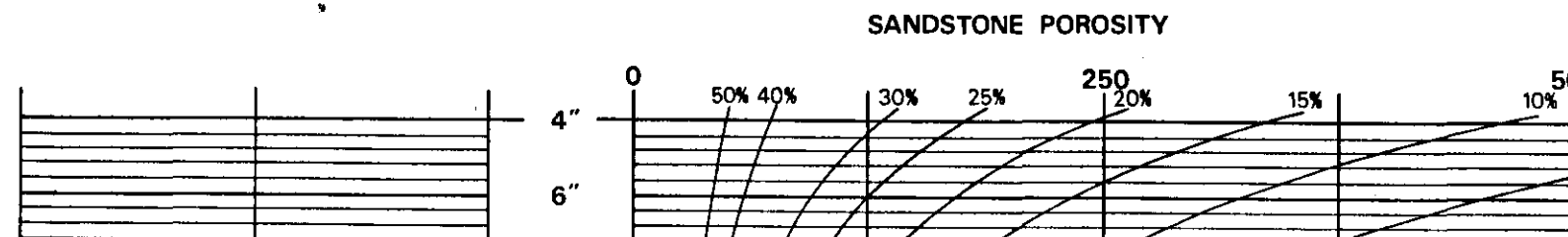
BOREHOLE 208
 CLIENT James Bay Petroleum Ltd.

AREA Talana 208
 COUNTRY Canada
 DATE LOGGED 02/10/73

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

LOG	TAPPING	PANEL	DATE
LOG	RECORDING	15	NOV 72
LOG	SPEED	15	NOV 72
LOG	HEAD	15	NOV 72
LOG	SCALE	15	NOV 72
LOG	RECORDING	15	NOV 72
LOG	SPEED	15	NOV 72
LOG	HEAD	15	NOV 72
LOG	SCALE	15	NOV 72

DEPTH	0	100	200	300	400	500
0						



DEPTH	0	100	200	300	400	500
0						



BOREHOLE 208
 CLIENT James Bay Petroleum Ltd.
 AREA Talana 208
 COUNTRY Canada

MY A58432R

239



Station Log # 1 quantity 10

BOREHOLE No. 239-308 (5)

CLIENT TELECOM SOUTH AFRICA (PTY) LTD.

AREA Durban

COUNTRY South Africa

DATE LOGGED 10/11/73

DEPTH SCALE 0-100

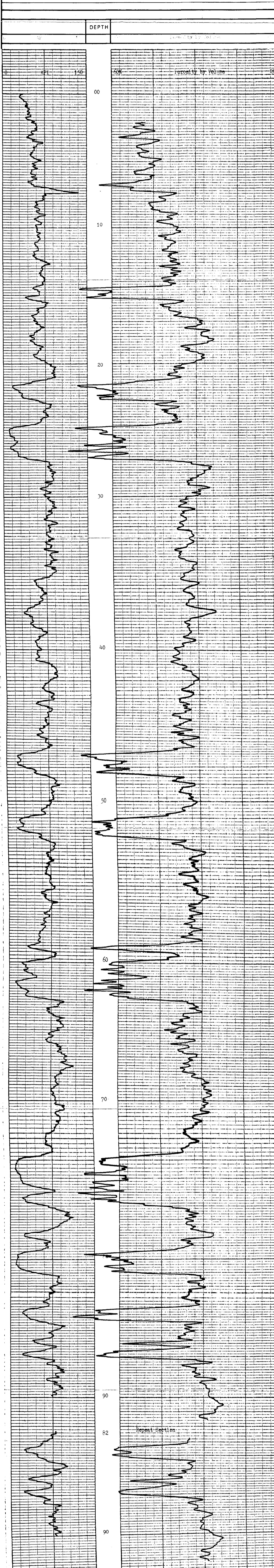
BOREHOLE DATA REFERTO: 139/01/73 LOG

OPERATION DATA REFERTO: 139/01/73 LOG

EQUIPMENT AND RECORDING DATA

LOGS TAPPING PANEL SCALE

REMARKS



BOREHOLE No. 239-308

CLIENT TELECOM SOUTH AFRICA (PTY) LTD.

AREA Durban

COUNTRY South Africa

DATE LOGGED 10/11/73

DEPTH SCALE 0-100

BOREHOLE DATA REFERTO: 139/01/73 LOG

OPERATION DATA REFERTO: 139/01/73 LOG

EQUIPMENT AND RECORDING DATA

LOGS TAPPING PANEL SCALE

REMARKS

12 - Toluca 83(3)A

239



MULTI-CHANNEL SONIC LOG

BOREHOLE Lasca 3A8 (7)
 CLIENT Central West Resources Ltd.
 AREA Toluca, B.C. DEPTH SCALE 1:100
 COUNTRY Canada DATE LOGGED 27-07-73 OF 5 LOGS

PERMANENT DATUM Top of Casing
 ELEVATION OF P.D. 898 DRILLER
 CASPERANTS FROM 0
 DEPTH REACHED 90
 CASING SHOE 0
 BIT SIZES 1 3 TO 4 TO 2 TO 1
 CASING SIZES 1 3 TO 2 TO 1

NATURE Water
 SG 1.0
 LEVEL 0
 VISCOSITY 1.0
 Rm at mast temp 15
 BHT 15

OPERATION DATA
 FIRST READING 0
 LAST READING 0
 INTERVAL LOGGED 0
 UNIT-TRUCK No 0
 ENGINEER 0
 WITNESS 0

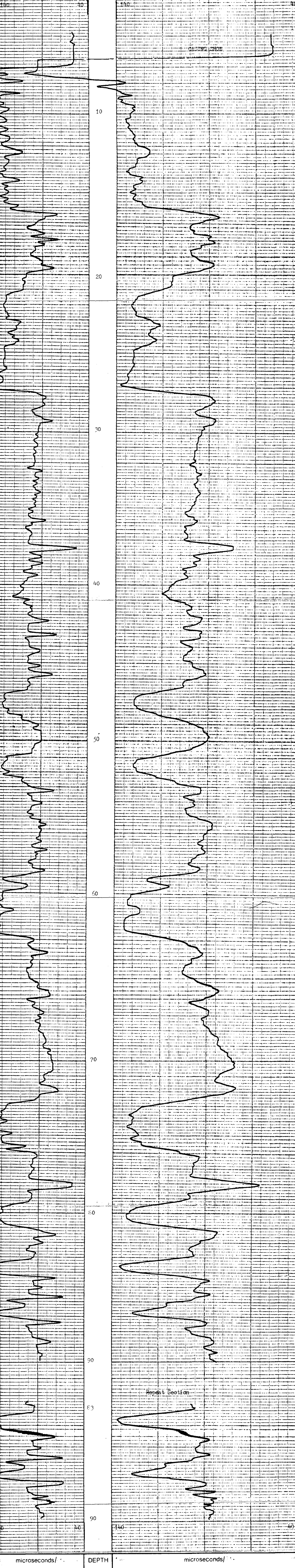
EQUIPMENT AND RECORDING DATA

SONDE No.	CENTRALISERS SET TO				DIAMETER								
	TRANSDUCER		GENERAL		DETAIL		DATA		DATA				
	ARRANGEMENT	SPACING	LOGGING	LOGGING	RECORDED	RECORDED	DISPLAYED	DISPLAYED	DISPLAYED				
CHANNEL 1	R1 - R2	8"	24"	SPEED	TC SECS	SPEED	TC SECS	FROM	TO	INTERVAL	FROM	TO	INTERVAL
CHANNEL 2	R2 - R4	16"	32"										
CHANNEL 3	R1 - R4	24"	24"										
CHANNEL 4	R3 - R4	8"	40"										

DETAIL ZONES DISPLAYED (SEE RELEVANT LOG)
 FROM TO INTERVAL TOTAL

REMARKS

CHANNEL	DEPTH	CHANNEL
40	INTERVAL TRANSIT TIME	40
	microseconds/	



CHANNEL	DEPTH	CHANNEL
	microseconds/	

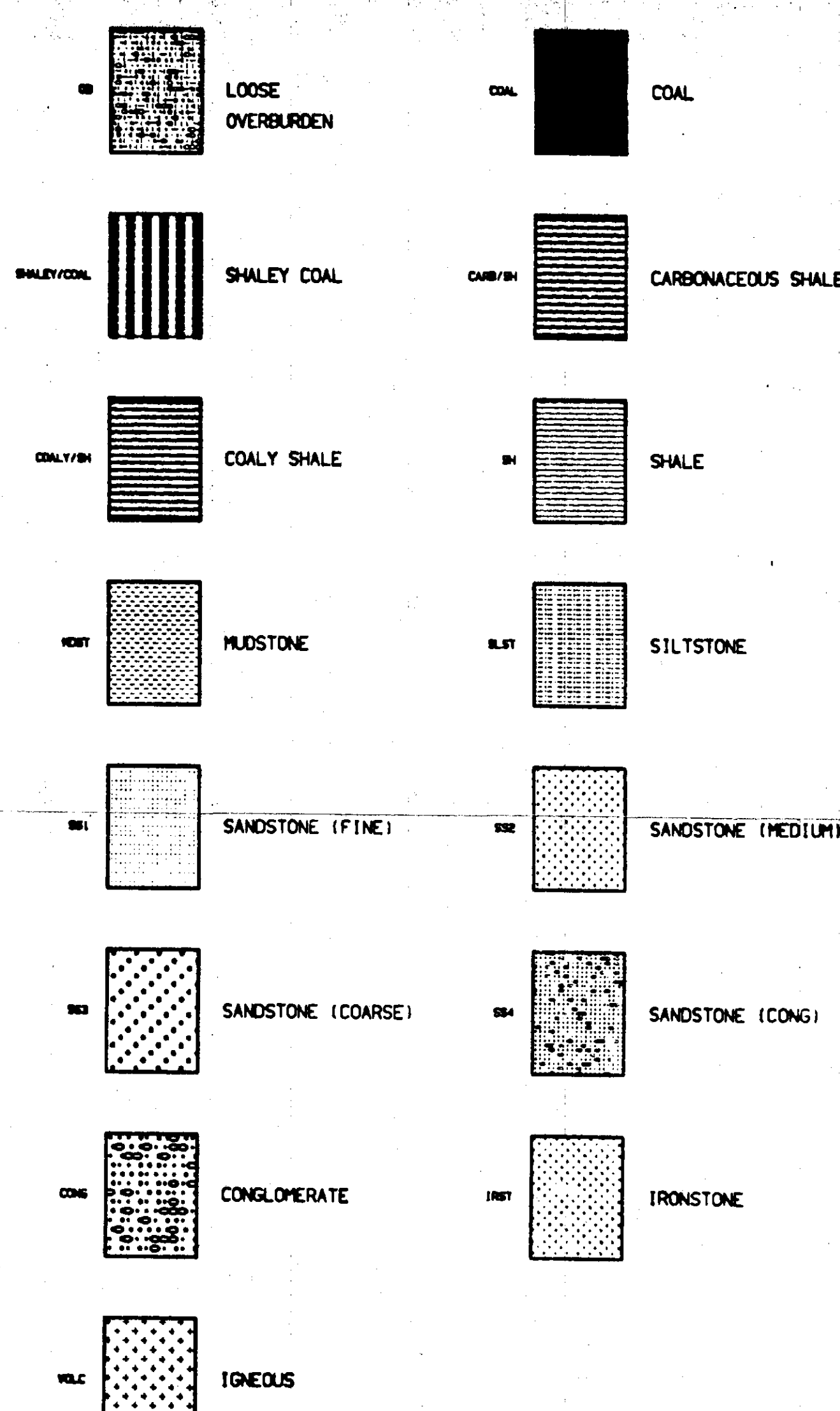
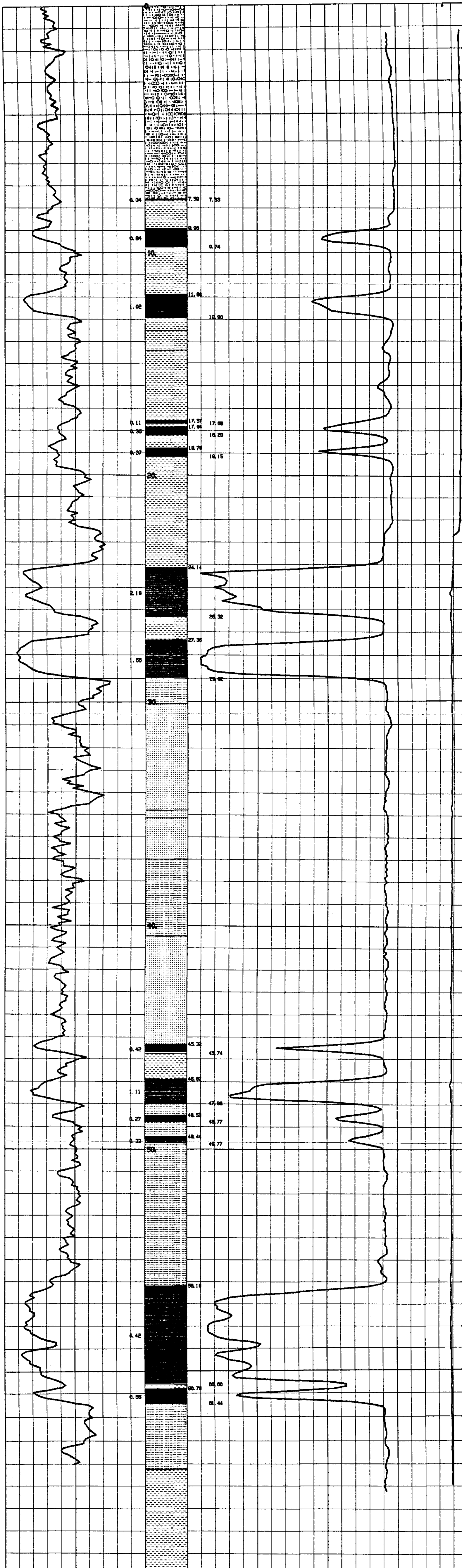


BOREHOLE Lasca 3A8 AREA Toluca, B.C.
 CLIENT Central West Resources Ltd. COUNTRY Canada

TELKWA PROJECT 239

DRILL HOLE #309 (1)

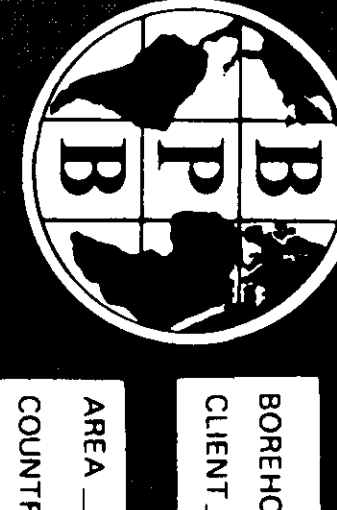
GAMMA API DENSITY SGU CALIPER INCHES



329

239

1-7-78 (239)



COAL QUALITY LOG

BOREHOLE TYPE: 3
 CLIENT: Greco West Resources Ltd.
 AREA: Talkwa B.C. DEPTH SCALE: 1:20
 COUNTRY: Canada DATE LOGGED: 09/Jul/83 3 of 5 LOGS

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

COAL COMBINATIONS ZONE
 LOG NO. 100 HANNO 100 SERIAL POSITION 100
 DATE: 1/28/78 BY: REDA/S SHEETS: 2 NORM: 1:20
 SOURCE: DRILL AND SAMPLE

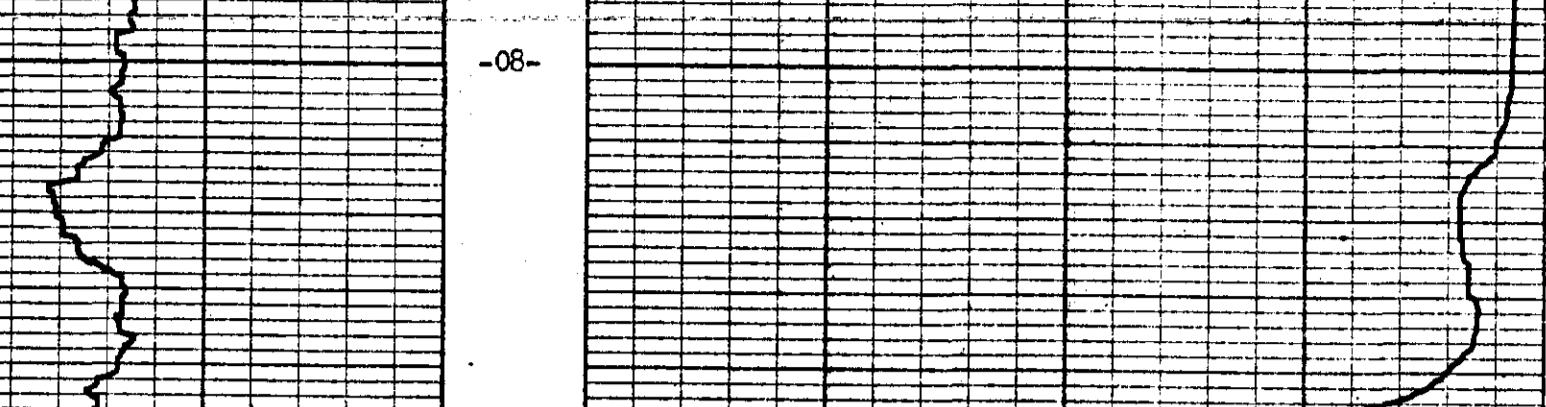
COAL QUALITY LOG INTERVALS
 FROM: 65.0m TO: 51.0m 30.0m 24.0m
 TO: 55.0m 44.0m 22.0m 17.0m
 INTERVAL: 0.5m 7.0m 7.0m 14.0m

REMARKS: Bitumen matrix material, indurated, to
compressible, fine, ductile, to 8.

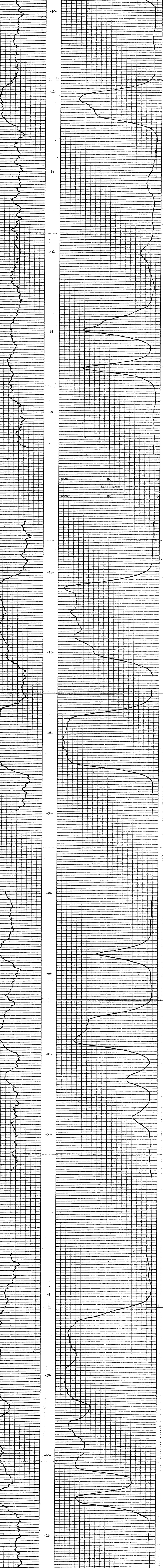
B P B COAL QUALITY LOG

DEPTH: _____ COAL BULK DENSITY: _____
 GAMMA RAY

HOLE SIZE CORRECTION DATA



0 150 3000 0



0 150 6000 0

DEPTH: _____ COAL BULK DENSITY: _____
 GAMMA RAY

BOREHOLE: T6821-309 AREA: Talkwa B.C.
 CLIENT: Greco West Resources Ltd. COUNTRY: Canada

COAL QUALITY LOG



12-15-66 83(3)A

239



Jamaica Bay & Neutron/Neutron Log.

BOREHOLE W-3-309 5

CLIENT Orons West Resources Ltd.

AREA Talkwa, N.C.

COUNTRY Canada

DATE LOGGED 09/28/67

DEPTH SCALE 1:100

BOREHOLE DATA REFER TO Lithology LOG

OPERATION DATA REFER TO Lithology LOG

EQUIPMENT AND RECORDING DATA

LOG TAPPING PANEL DATE

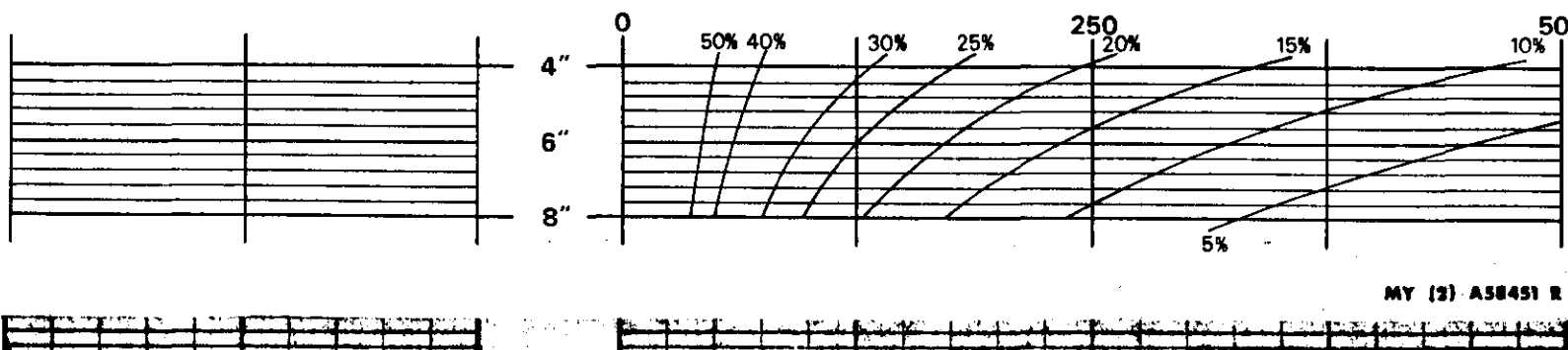
LOG RECORDING SPEED SEC/S NORM

TAPED SPEED FEET/HR

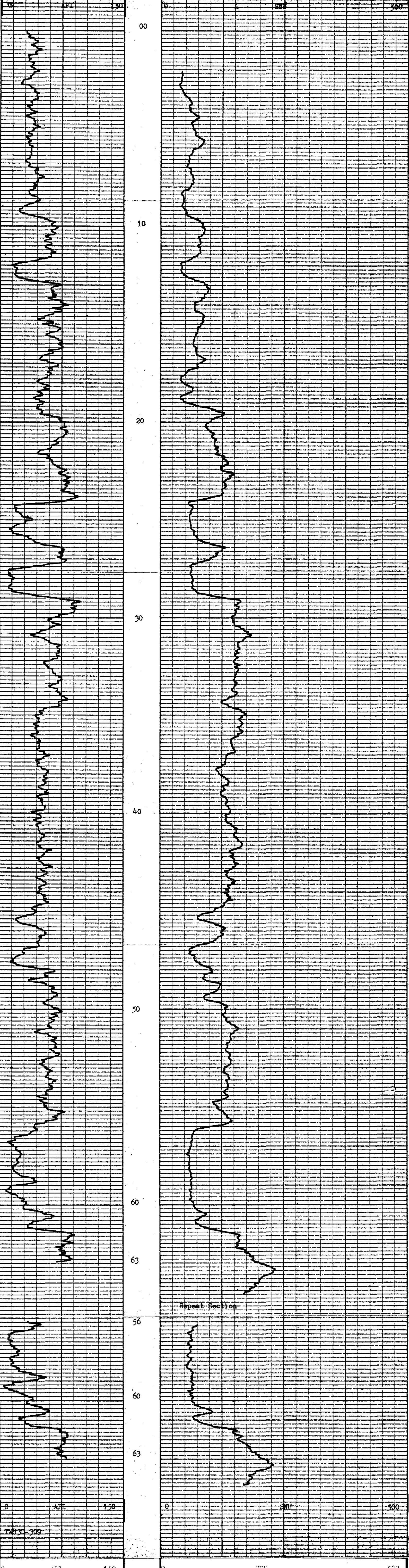
REMARKS

0	APL	150	0	SNL	500
DEPTH					

SANDSTONE POROSITY



MY (2) A58451 R



0	APL	150	0	SNL	500
DEPTH					



BOREHOLE W-3-309
CLIENT Orons West Resources Ltd.

AREA Talkwa, N.C.
COUNTRY Canada

MY A58452 R

15-1511111111 8513111

239



DATE LOGGED _____

BOREHOLE 389 (6)

CLIENT STANDARD OIL COMPANY OF CALIF.

AREA California DEPTH SCALE _____

COUNTRY California OF _____ LOSS _____

DATE LOGGED _____

BOREHOLE DATA REFER TO: _____ LOG _____

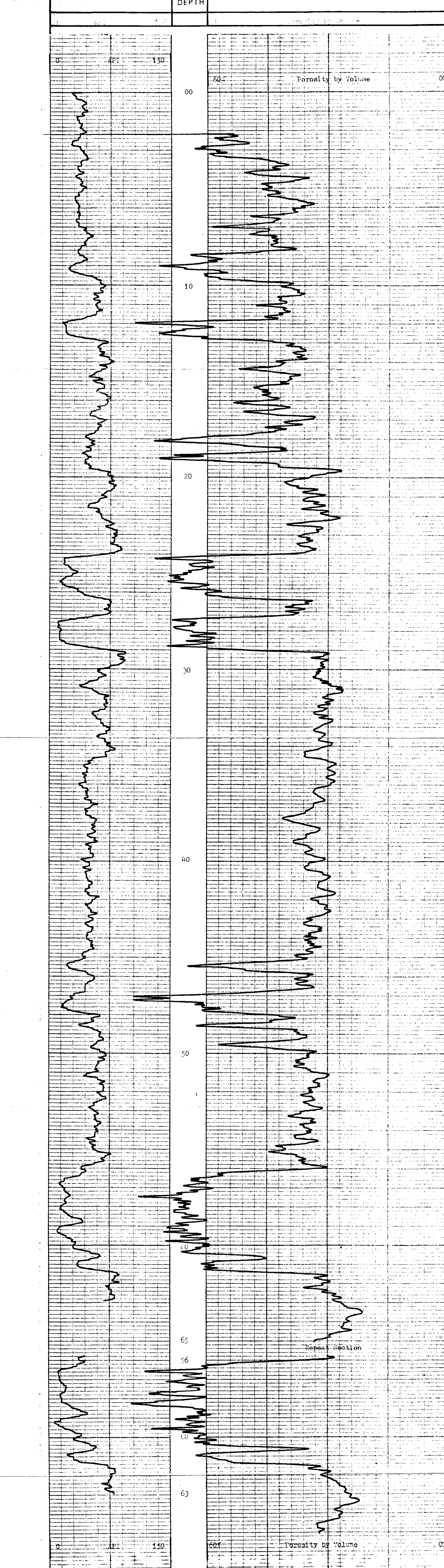
OPERATION DATA REFER TO: _____ LOG _____

EQUIPMENT AND RECORDING DATA

LOG _____ TAPPING _____ PANEL _____

LOG _____ RECORDING SPEED _____ NORM _____

REMARKS



DEPTH

BOREHOLE 389 AREA California
 CLIENT STANDARD OIL COMPANY OF CALIF. COUNTRY California

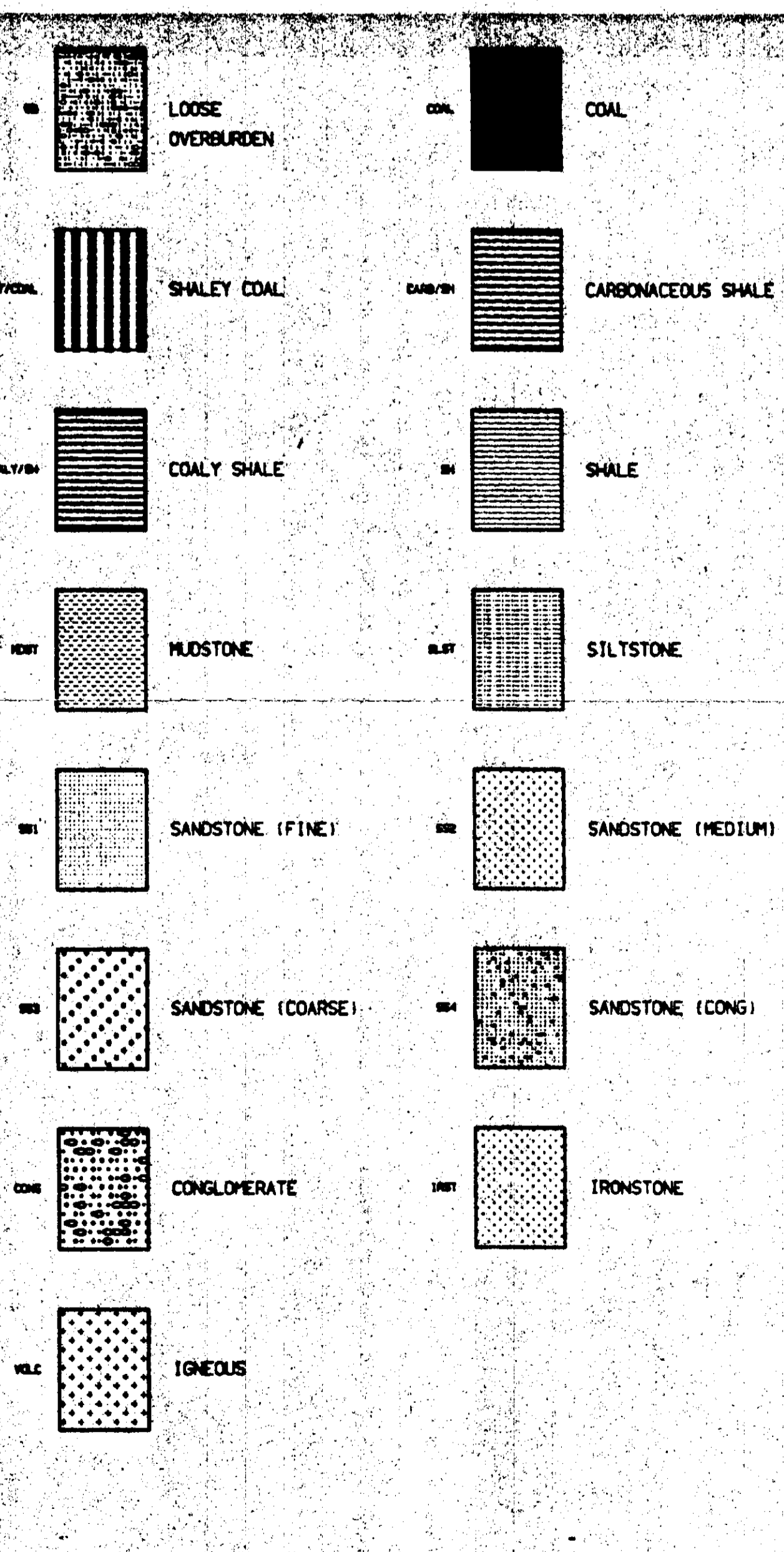
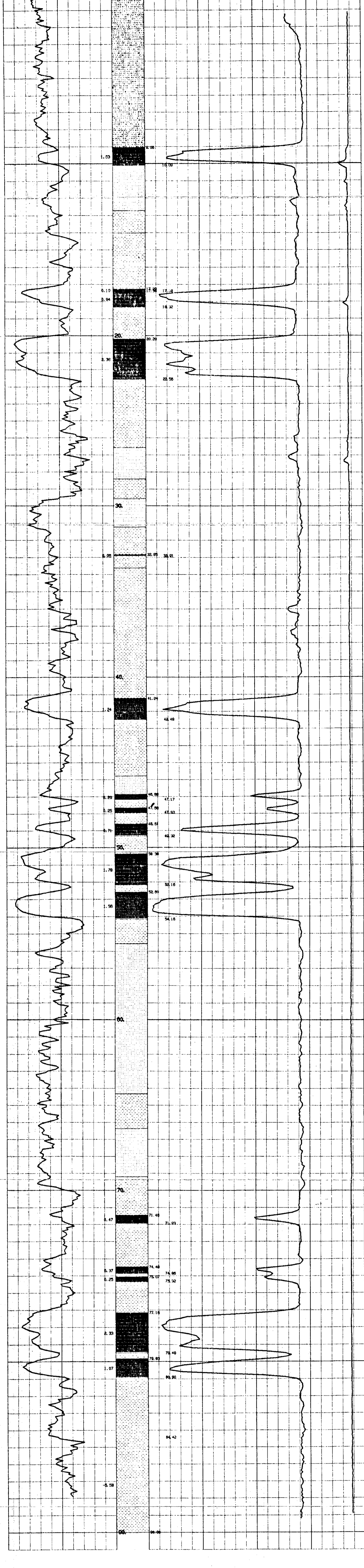


12-TELKWA 8367A

TELKWA PROJECT 239

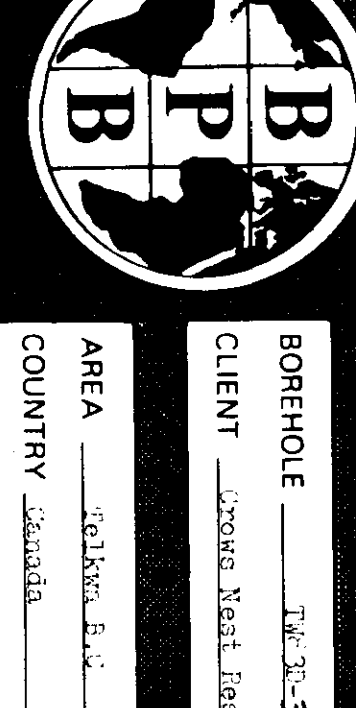
DRILL HOLE #310 (1)

GAMMA API 150. DENSITY SDU 8000. CALIPER INCHES .00 7.00 2.00



1X-16424 83(3)A

239



BOREHOLE No. 23-310 (2)
 CLIENT Acropac, North Vancouver, B.C.
 AREA Goldboro, B.C.
 COUNTRY Canada
 DATE LOGGED 1/24/73
 OPERATOR W. J. G. Goss
 BOREHOLE DATA REFER TO UTM/40, 000 Y, 000
 OPERATION DATA REFER TO UTM/40, 000 Y, 000
 EQUIPMENT AND RECORDING DATA
 COAL COMBINATION SONDE SERIAL POSITION
 LOG SERIAL POSITION
 CALIBER 100 SERIAL POSITION 100
 BARREMENT 1 SERIAL POSITION 1
 SOURCE SONDE AND CALIBRATION

SEAM THICKNESS LOG

SONDE TYPE
 COAL COMBINATION SONDE

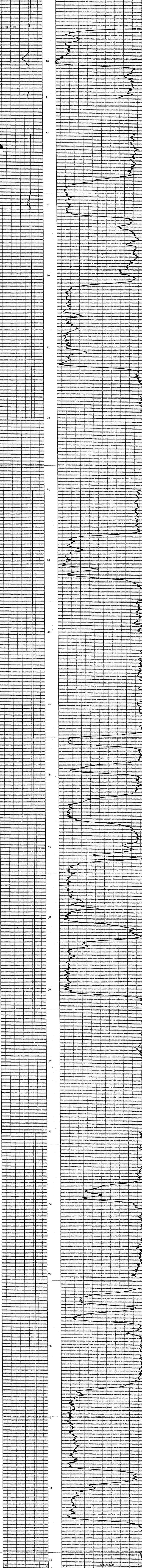
SEAM THICKNESS LOG INTERVALS

FROM 52.0m TO 52.0m 29.0m 11.0m
 TO 72.0m 41.0m 29.0m 2.0m
 RECORD 1.0m 1.0m 1.0m 1.0m
 TOTAL

LOG SUITE
 CALIBER
 B.D. DENSITY

REMARKS

B P B SEAM THICKNESS LOG



CALIBER INCHES DEPTH BED RESOLUTION DENSITY

BOREHOLE No. 23-310 AREA Goldboro, B.C.
 CLIENT Acropac, North Vancouver, B.C. Ltd. COUNTRY Canada

SEAM THICKNESS LOG

239

1K-TELKWA 83(3)A



Focused Electric Log

BOREHOLE TW 30-310

CLIENT Cross Nest Resources Ltd.

AREA Telkwa B.C.
COUNTRY Canada

DATE LOGGED 10/21/83

DEPTH SCALE 1:100

LOG LOSS 100%

BOREHOLE DATA refer to lithology LOG

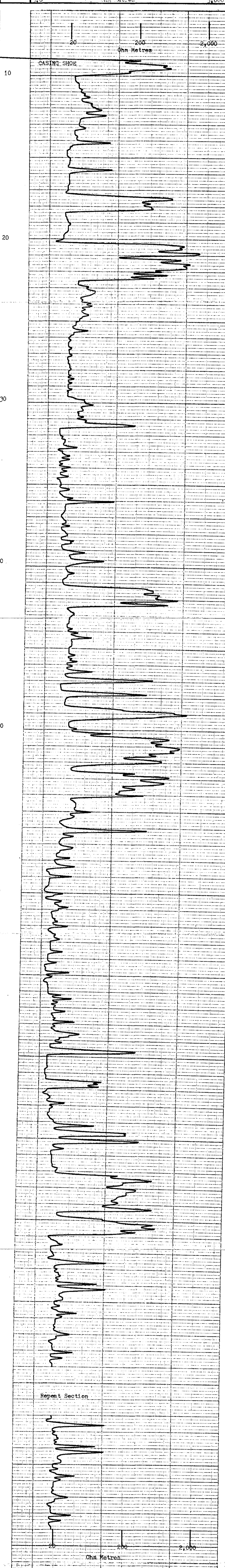
OPERATION DATA refer to lithology LOG

EQUIPMENT AND RECORDING DATA

LOG	TAPPING	PANEL	RES
LOG	RECORDING	SPEED	COEFF
INFO	SCALE	INCHES	
S/B	Y	5m/m	2
		2m/m	1
		1m/m	1
		500P	226
		500P	100

REMARKS

DEPTH 0.0 Ohm Metres 5,000



DEPTH 0.0 Ohm Metres 5,000

BOREHOLE TW 30-310
 CLIENT Cross Nest Resources Ltd.
 AREA Telkwa B.C.
 COUNTRY Canada



MY A58452R

1X-Tekura 2313A

239



MULTI-CHANNEL SONIC LOG

BOREHOLE DATA

BOREHOLE No. 12-23-10 (6)

CLIENT Crown Neck Resources Ltd.

AREA Western Canada DEPTH SCALE 1:100

COUNTRY Canada

DATE LOGGED 10/17/13 LOG OF LOGS

BOREHOLE DATA

PERMANENT DATUM 1200' T.C. 1200'

ELEVATION OF P.D. 819 DRILLER

MAGNETIC FROM 7.5

DEPTH REACHED 91.7m 40.0m

CASING SHAPE 1.0m

BIT SIZES 1 1.0m TO 1.0m 2 1.0m TO 1.0m

CASING SIZES 3 1.0m TO 1.0m 4 1.0m TO 1.0m

FLUID DATA

NATURE Water

SG 1.0

LEVEL 0.0m

VISCOSITY N/A

FIRMNESS N/A

B.H.T. N/A

OPERATION DATA

FIRST READING 0.0

LAST READING 0.0

INTERVAL LOGGED 0.0

UNIT-TRUCK NO. 66742

ENGINEER J. J. J.

WITNESS

EQUIPMENT AND RECORDING DATA

SONDE No. 394 CENTRALISERS SET TO RECORDED DIAMETER

CHANNEL	TRANSDUCER ARRANGEMENT			GENERAL LOGGING		DETAIL LOGGING		DATA RECORDED			DATA DISPLAYED		
	RECEIVER PAIR	SPACING R-R	SPACING T-R	SPEED	TC SECS	SPEED	TC SECS	FROM	TO	INTERVAL	FROM	TO	INTERVAL
CHANNEL 1	R1 - R2	8"	24"	9m/m	1.5	9m/m	1.5	0.0	100	100	0.0	0.0	0.0
CHANNEL 2	R2 - R4	16"	32"	9m/m	1.5	9m/m	1.5	0.0	100	100	0.0	0.0	0.0
CHANNEL 3	R1 - R4	24"	24"	9m/m	1.5	9m/m	1.5	0.0	100	100	0.0	0.0	0.0
CHANNEL 4	R3 - R4	8"	40"	9m/m	1.5	9m/m	1.5	0.0	100	100	0.0	0.0	0.0

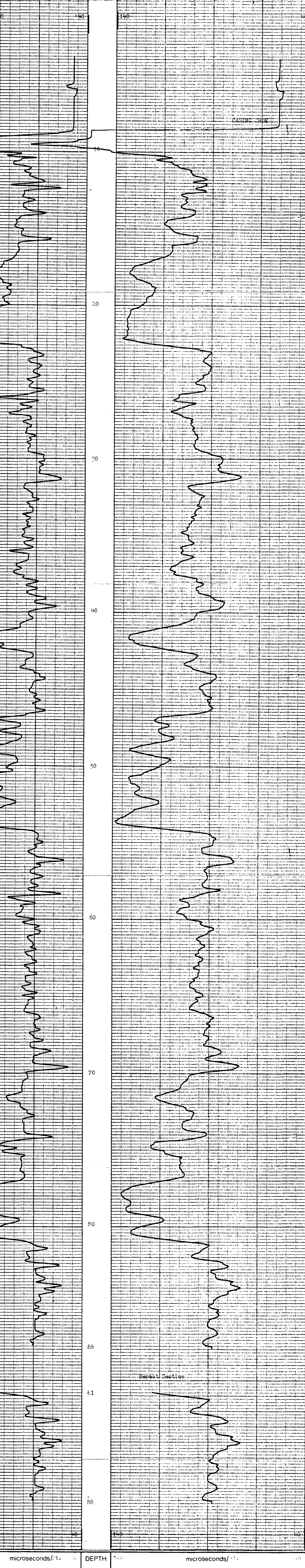
DETAIL ZONES DISPLAYED (SEE RELEVANT LOG)

FROM TO INTERVAL TOTAL

REMARKS

TOP OF SONDE

CHANNEL 1	DEPTH	CHANNEL 2
INTERVAL TRANSIT TIME		INTERVAL TRANSIT TIME
microseconds/ft.		microseconds/ft.



CHANNEL 1	DEPTH	CHANNEL 2
microseconds/ft.		microseconds/ft.



BOREHOLE 12-23-10 AREA Western Canada

CLIENT Crown Neck Resources Ltd. COUNTRY Canada

MC SONIC LOG

1250212

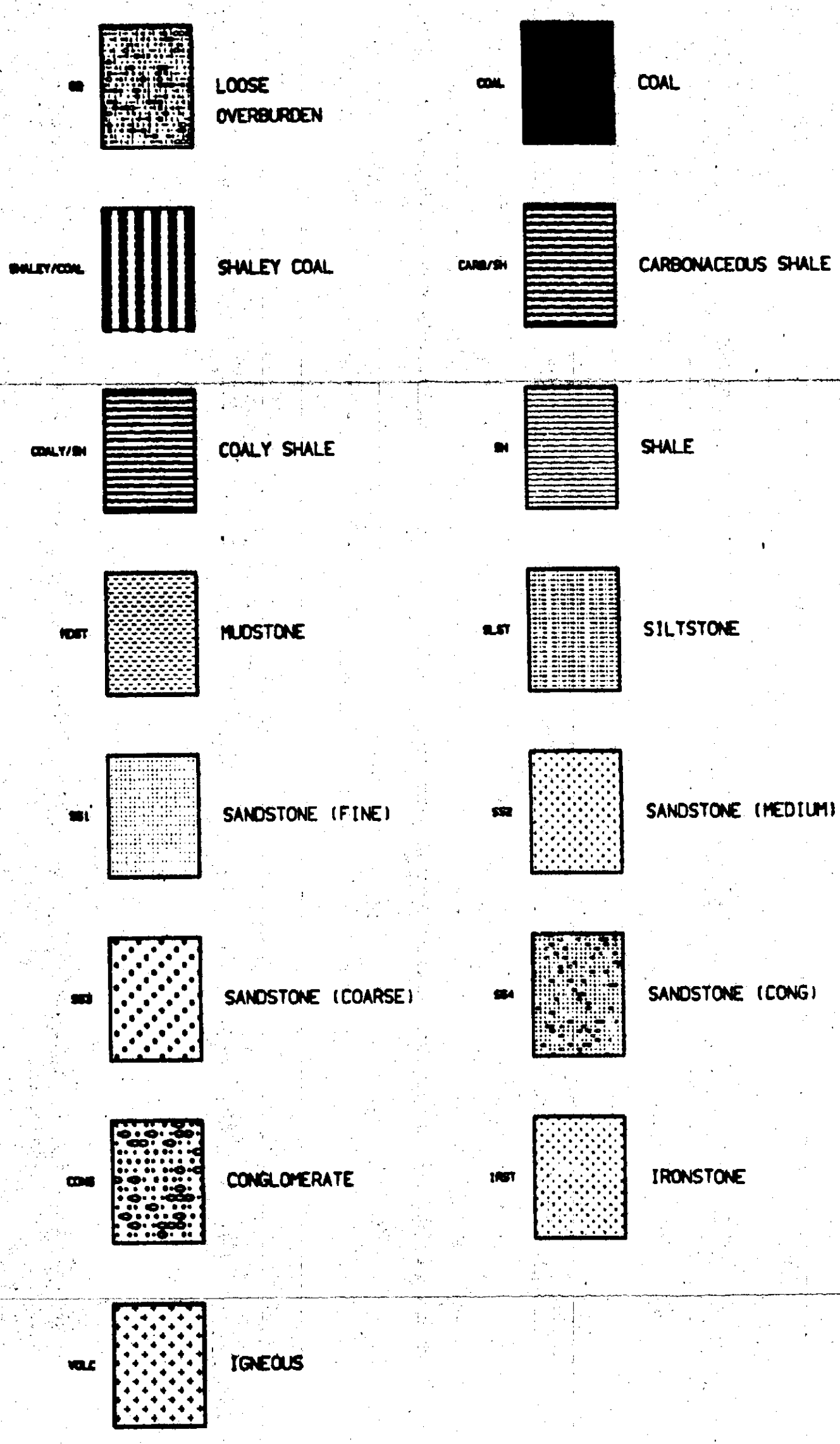
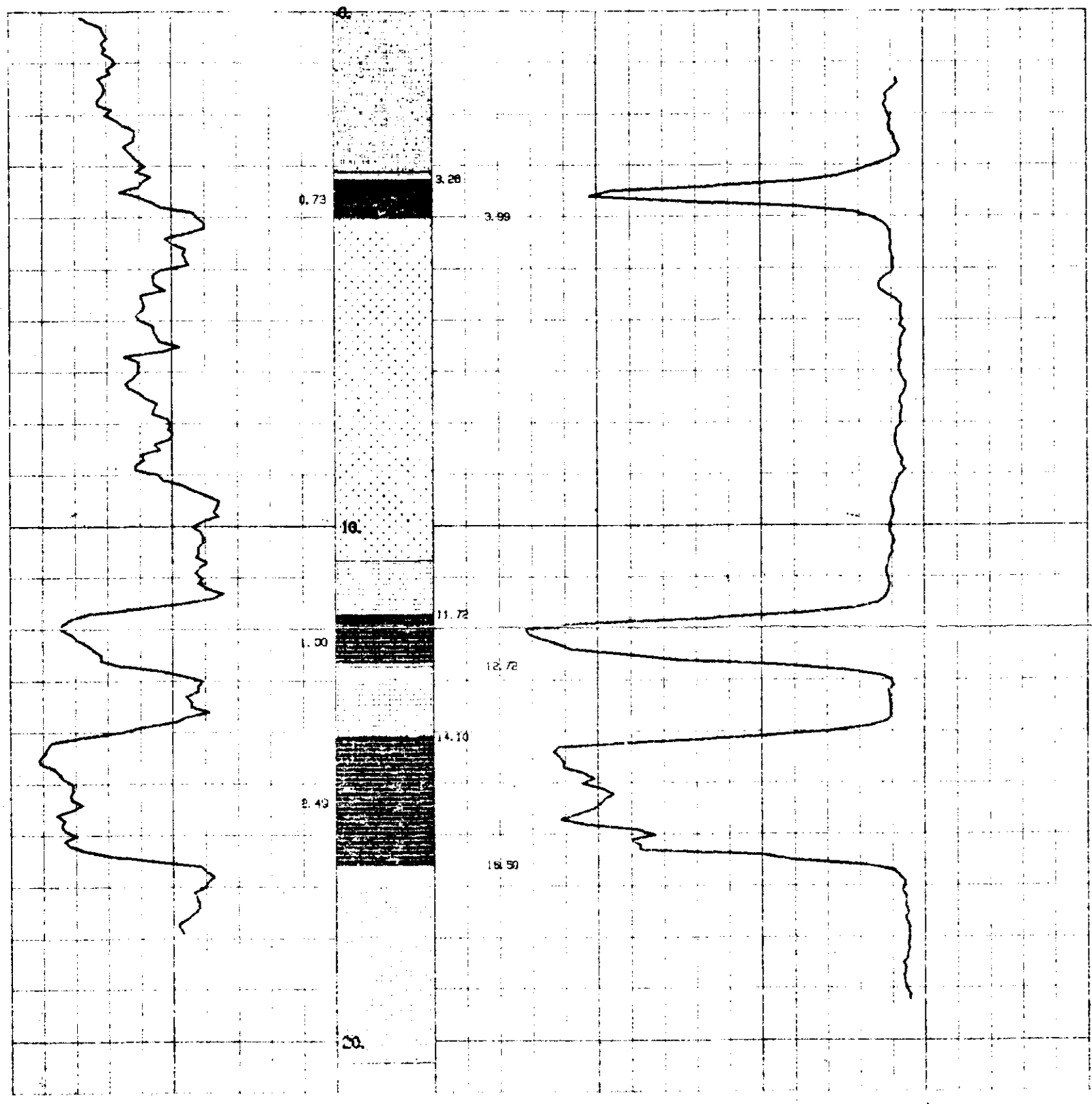
TELKWA PROJECT

DRILL HOLE #311 (1)

239

GAMMA API DENSITY G/CC

00 120 3000 100



239

15-TELKWA 835h



SEAM THICKNESS LOG

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

BOREHOLE: TWB 3D-311 (2)
 CLIENT: Crows Nest Resources Ltd.
 AREA: Telkwa B.C.
 COUNTRY: Canada
 DATE LOGGED: 10/11/06
 DEPTH SCALE: 1:20
 2 OF 4 LOGS

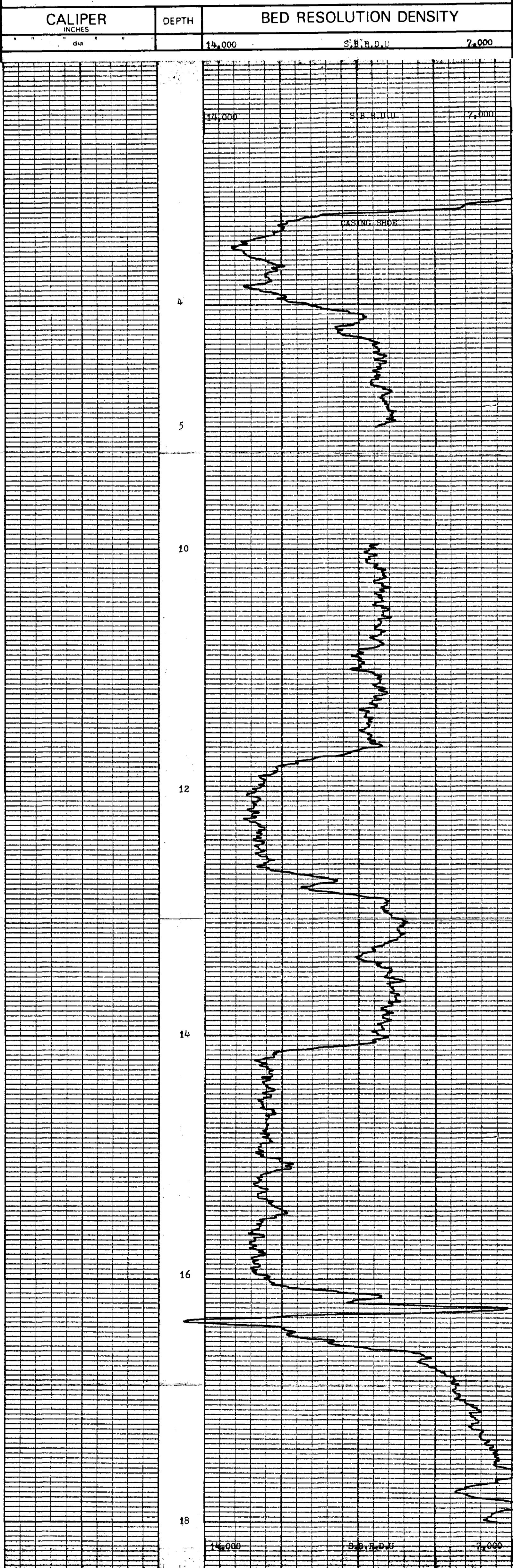
BOREHOLE DATA: REFER TO LITHOLOGY LOG
 OPERATION DATA: REFER TO LITHOLOGY LOG
 EQUIPMENT AND RECORDING DATA: _____
 COAL COMBINATION SONDE: _____
 LOG: _____
 TAPPING: _____
 LOG RECORD OBJECTS: _____
 TAPED SPEED: _____
 REPLAY SPEED: _____
 CALIPER: Y
 BR DENSITY: Y
 SOURCE SONDE AND CALIBRATION: _____
 REFER TO LITHOLOGY LOG

SEAM THICKNESS LOG INTERVALS

FROM	14.0m	4.2m
TO	10.0m	2.0m
INTERVAL	4.0m	2.2m
FROM		
TO		
INTERVAL		
TOTAL		11

REMARKS: Please note unusual scales to compensate for drill rods.

B P B SEAM THICKNESS LOG



CALIPER INCHES	DEPTH	BED RESOLUTION DENSITY
14.000		S.B.R.D.U. 2.000



BOREHOLE: TWB 3D-311
 CLIENT: Crows Nest Resources Ltd.
 AREA: Telkwa B.C.
 COUNTRY: Canada

SEAM THICKNESS LOG

239



BOREHOLE TW830-311 (3)
 CLIENT Crows Nest Resources Ltd.

AREA Telkwa B.C. DEPTH SCALE
 COUNTRY Canada
 DATE LOGGED 10/11/83 3 OF 4 LOGS

BOREHOLE DATA REFER TO LITHOLOGY LOG

OPERATION DATA REFER TO LITHOLOGY LOG

EQUIPMENT AND RECORDING DATA

COAL COMBINATION SONDE

LOG

LOG	TAPPING	PANEL	COAL
LABEL	RECORDING	SPEED	SECS
GAMMA	RAY	Y	Z
Y	2m/m	R	2
Y	2m/m	R	1
			7.6

SONDE TYPE:
 COAL COMBINATION SONDE

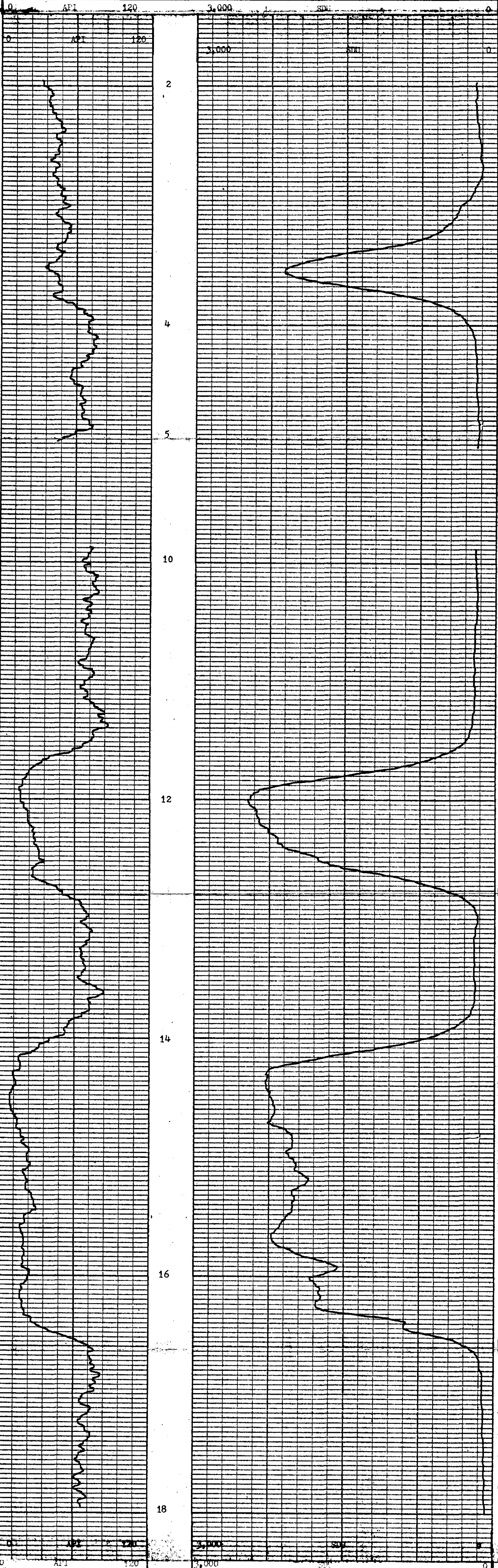
LOG SUITE:
 GAMMA RAY
 L.S. DENSITY

COAL QUALITY	LOG INTERVALS
FROM	15.0m 5.0m
TO	10.0m 2.0m
INTERVAL	8.0m 3.0m
FROM	
TO	
INTERVAL	
REMARKS	

INTERVAL VAL TOTAL # 11

REMARKS
 Please note unusual scales to compensate for drill rods.

BPB COAL QUALITY LOG



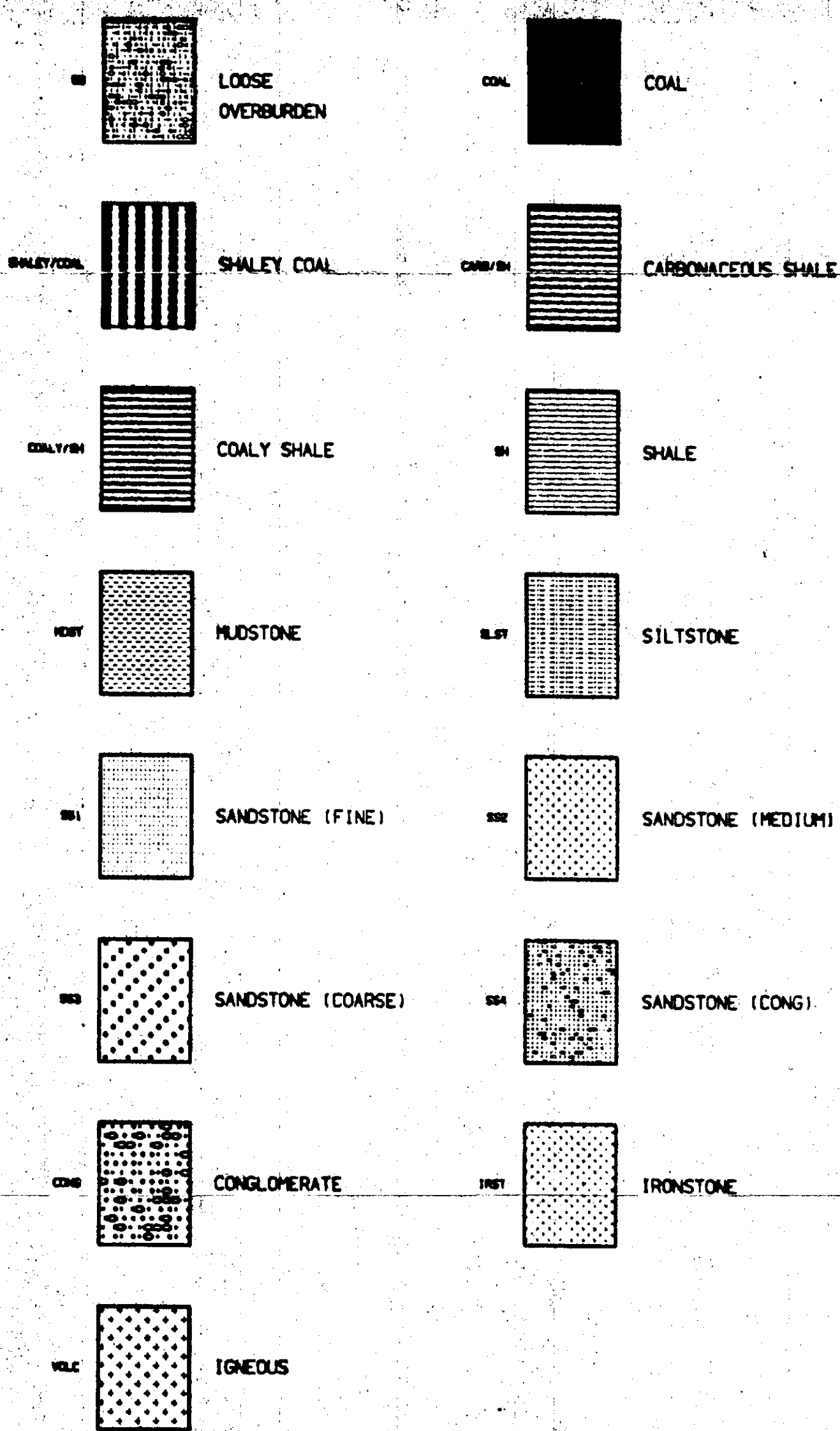
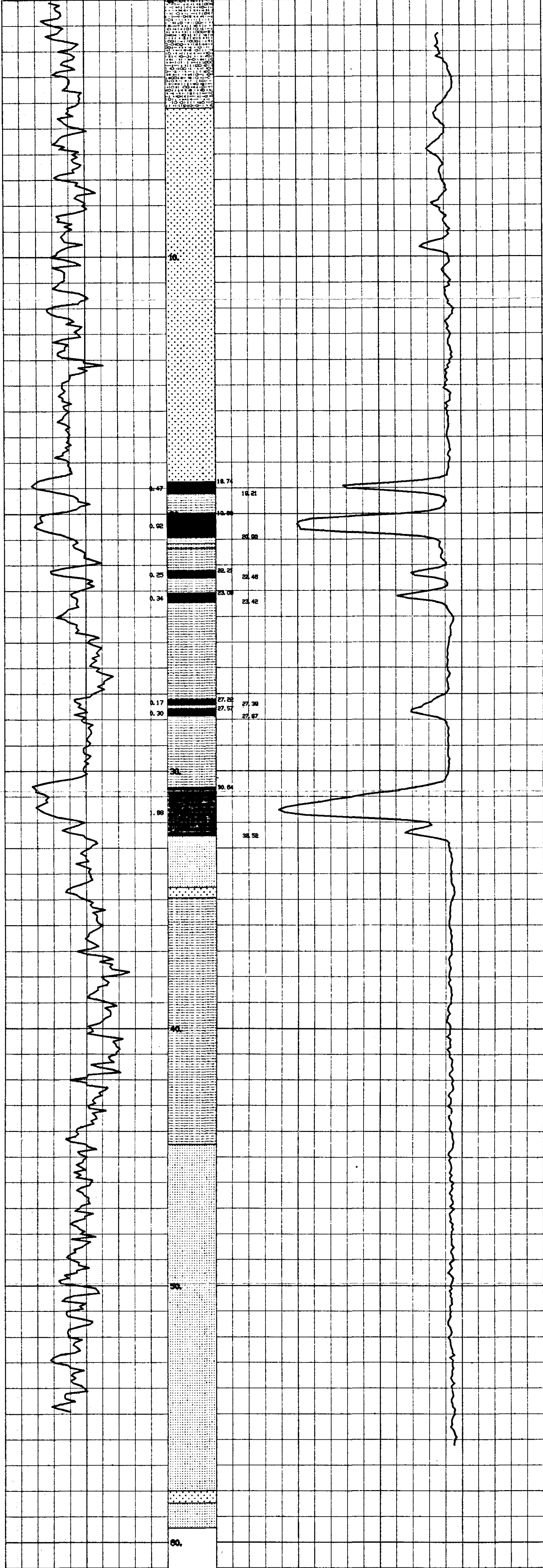
BOREHOLE TW830-311 AREA Telkwa B.C.
 CLIENT Crows Nest Resources Ltd. COUNTRY Canada

COAL QUALITY LOG

TELKWA PROJECT 239

DRILL HOLE #312 ①

GAMMA API 120. 3000. DENSITY SDU .00



239

1K-1E1CWA 85(3)A



SEAM THICKNESS LOG

BOREHOLE TW33-12 (2)
 CLIENT Crows Nest Resources Ltd.
 AREA Telkwa B.C. DEPTH SCALE 1:20
 COUNTRY Canada
 DATE LOGGED 11/20/93 2 OF 4 LOGS

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

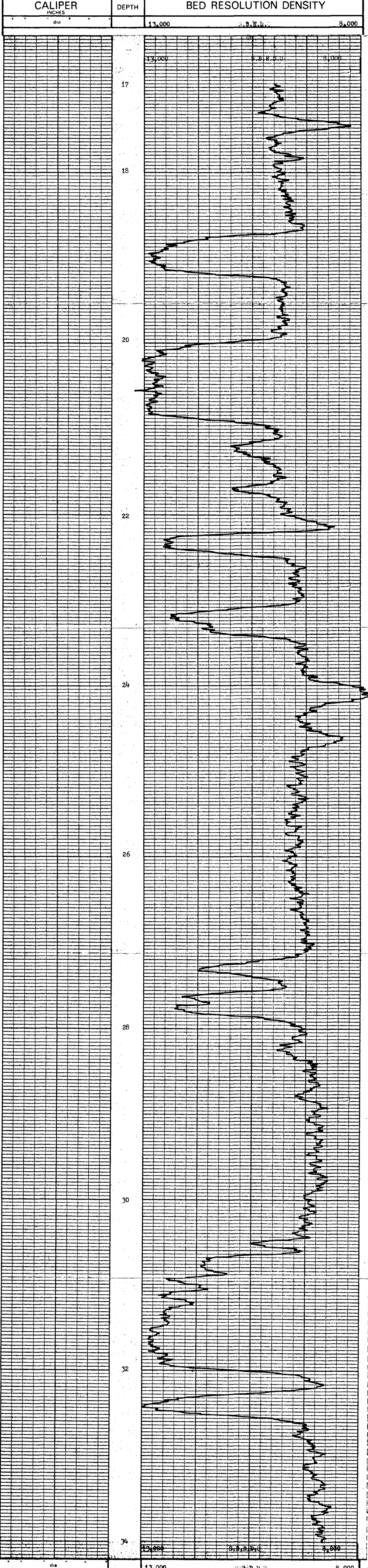
LOG TAPPING SIDEWALL POSITION
 LOG RECORD SPEED SCS NOMI
 CALIPER 1 2M/m 3 8.3
 BR DENSMY Y 2M/m R 8.3

SONDE TYPE:
 COAL COMBINATION SONDE
 LOG SUITE
 CALIPER
 BR DENSITY

SEAM THICKNESS LOG INTERVALS
 FROM 34.0m
 TO 17.0m
 INTERVAL 17.0m
 FROM
 TO
 INTERVAL

REMARKS
 Please note manual scales to compensate for drill rods.
 REFER TO LITHOLOGY LOG

B P B SEAM THICKNESS LOG



CALIPER INCHES	DEPTH	BED RESOLUTION DENSITY
dia	13,000	S.B.R.D.U. 8,000

BOREHOLE TW33-12 AREA Telkwa B.C.
 CLIENT Crows Nest Resources Ltd. COUNTRY Canada

SEAM THICKNESS LOG



15 - 152 KWA 83(5)A

239



BOREHOLE TW30-32
 CLIENT Crows Nest Resources Ltd.

AREA Telkwa B.C.
 COUNTRY Canada

DATE LOGGED 11/13/83

DEPTH SCALE 1:20
 3 of 4 LOGS

COAL QUALITY LOG

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

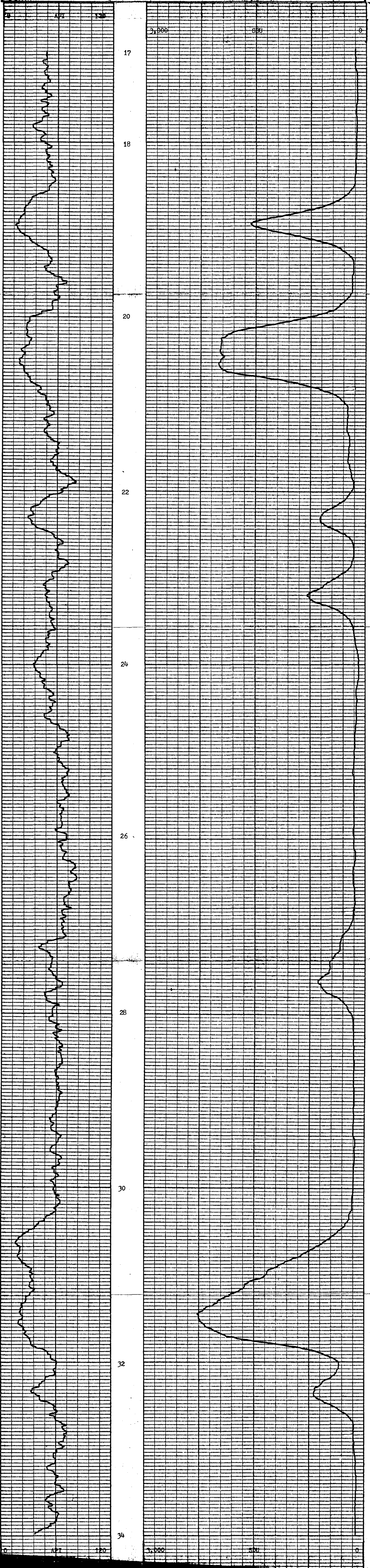
LOG TAPPING SIDEWALL POSITION
 LOG NO. 150 RECORDING SPEED 400 RPM
 LOG NO. 151 RECORDING SPEED 400 RPM
 LOG NO. 152 RECORDING SPEED 400 RPM
 LOG NO. 153 RECORDING SPEED 400 RPM
 LOG NO. 154 RECORDING SPEED 400 RPM
 LOG NO. 155 RECORDING SPEED 400 RPM
 LOG NO. 156 RECORDING SPEED 400 RPM
 LOG NO. 157 RECORDING SPEED 400 RPM
 LOG NO. 158 RECORDING SPEED 400 RPM
 LOG NO. 159 RECORDING SPEED 400 RPM
 LOG NO. 160 RECORDING SPEED 400 RPM

SONDE TYPE

COAL COMBINATION SONDE

LOG SUITE:
 GAMMA RAY
 L.S. DENSITY

B P B COAL QUALITY LOG



APL 120 140 160 180 200 220 240 260 280 300 320 340
 2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.0 8.5 9.0 9.5 10.0 10.5 11.0 11.5 12.0 12.5 13.0 13.5 14.0 14.5 15.0 15.5 16.0 16.5 17.0 17.5 18.0 18.5 19.0 19.5 20.0 20.5 21.0 21.5 22.0 22.5 23.0 23.5 24.0 24.5 25.0 25.5 26.0 26.5 27.0 27.5 28.0 28.5 29.0 29.5 30.0 30.5 31.0 31.5 32.0 32.5 33.0 33.5 34.0



239

15-TELWA 855A

Gamma Ray & Neutron/Neutron Log

BOREHOLE TW-30-312 (4)

CLIENT Crows Nest Resources Ltd.

AREA Telkwa B.C.

COUNTRY Canada

DATE LOGGED 11/Jun/83

DEPTH SCALE
1:100

4 OF 4 LOGS

BOREHOLE DATA refer to lithology LOG

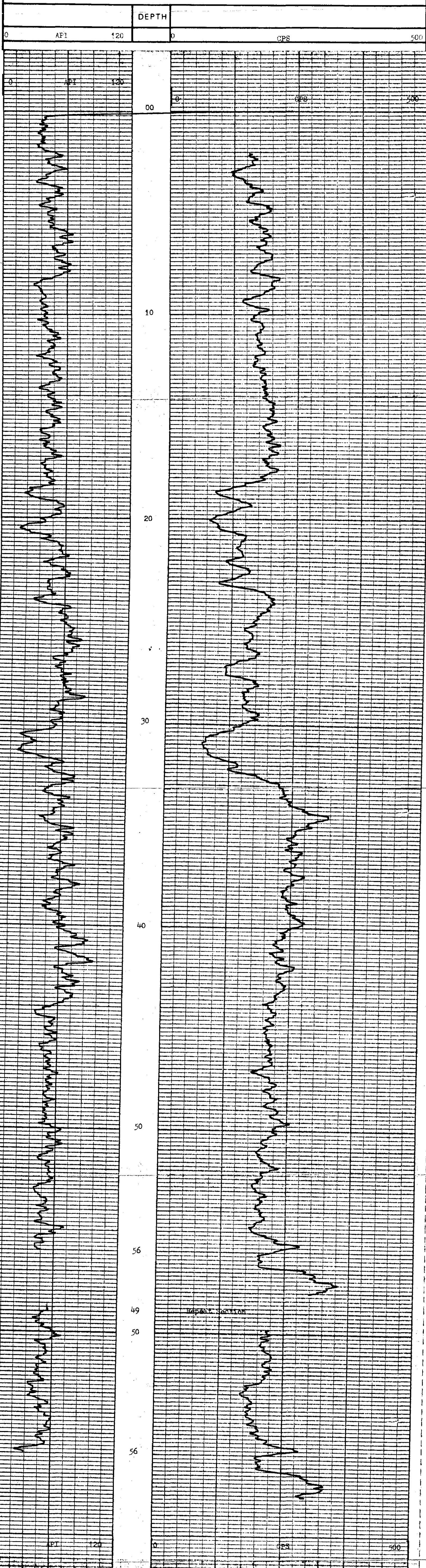
OPERATION DATA refer to lithology LOG

EQUIPMENT AND RECORDING DATA

LOG	TAPING	RECORDING	PANEL	CAI
TABED	SPEED	DIRECTION	T.C.	COEFF.
ft/m	ft/m	ft/m	ft/m	ft/m
Y	D	D	1	1.17
N/A	Y	D	1	-
	SCALE 100'	SHEET 2473		

REMARKS

Please note that the N/A log was run uncalibrated and is therefore presented in CPS (Counts Per Second).



DEPTH	AF1	CPS
0	0	0
120	0	0
500	0	0



BOREHOLE TW-30-312 AREA Telkwa B.C.
 CLIENT Crows Nest Resources Ltd. COUNTRY Canada

1K-TELKWA 83(3)A

TELKWA PROJECT 239

DRILL HOLE #313 (1)

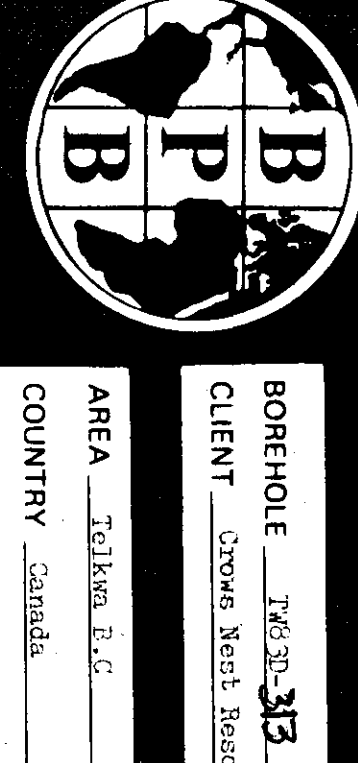
GAMMA API 150.00 150.00 0000.00 DENSITY SDU .00 7.00 2.00 CALIPER INCHES



- | | | | |
|--|--------------------|--|--------------------|
| | LOOSE OVERBURDEN | | COAL |
| | SHALEY COAL | | CARBONACEOUS SHALE |
| | COALY SHALE | | SHALE |
| | MUDSTONE | | SILTSTONE |
| | SANDSTONE (FINE) | | SANDSTONE (MEDIUM) |
| | SANDSTONE (COARSE) | | SANDSTONE (CONG) |
| | CONGLOMERATE | | IRONSTONE |
| | IGNEOUS | | |

1K-1826WA 83(3)8

239



COAL QUALITY LOG

BOREHOLE 7607-13 AREA Collier B.C.
 CLIENT Crows Nest Resources Ltd. COUNTRY Canada
 DEPTH 1120
 DATE LOGGED 12/1/83 OF 1 LOGS

BOREHOLE DATA REFER TO LITHOLOGY LOG
 OPERATION DATA REFER TO LITHOLOGY LOG
 EQUIPMENT AND RECORDING DATA
 COAL COMBINATION SOURCE
 LOG NO. 100 SERIAL POSITION 100
 LOG NO. 100 SERIAL POSITION 100
 LOG NO. 100 SERIAL POSITION 100
 LOG NO. 100 SERIAL POSITION 100
 LOG NO. 100 SERIAL POSITION 100

COAL TYPE COAL COMBINATION
 COAL COMBINATION SONDE
 LOG SUITE GAMMA RAY
 U.S. DENSITY

COAL QUALITY LOG INTERVALS

FROM	TO	HOW	SONDE
52.00	23.00	13.75	
33.00	16.00	4.00	
26.00	7.00	9.00	

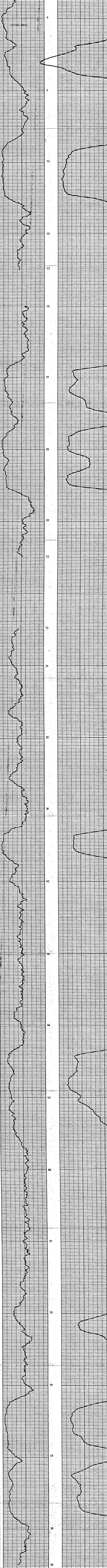
REMARKS

B P B COAL QUALITY LOG

COAL BULK DENSITY
g/cm³

HOLE SIZE CORRECTION DATA

DEPTH	GAUSSA	RAY
0	1.25	1.30
2	1.25	1.30
4	1.25	1.30
6	1.25	1.30
8	1.25	1.30
10	1.25	1.30
12	1.25	1.30
14	1.25	1.30
16	1.25	1.30
18	1.25	1.30
20	1.25	1.30
22	1.25	1.30
24	1.25	1.30
26	1.25	1.30
28	1.25	1.30
30	1.25	1.30
32	1.25	1.30
34	1.25	1.30
36	1.25	1.30
38	1.25	1.30
40	1.25	1.30
42	1.25	1.30
44	1.25	1.30
46	1.25	1.30
48	1.25	1.30
50	1.25	1.30
52	1.25	1.30
54	1.25	1.30
56	1.25	1.30
58	1.25	1.30
60	1.25	1.30
62	1.25	1.30
64	1.25	1.30
66	1.25	1.30
68	1.25	1.30
70	1.25	1.30
72	1.25	1.30
74	1.25	1.30
76	1.25	1.30
78	1.25	1.30
80	1.25	1.30
82	1.25	1.30
84	1.25	1.30
86	1.25	1.30
88	1.25	1.30
90	1.25	1.30
92	1.25	1.30
94	1.25	1.30
96	1.25	1.30
98	1.25	1.30
100	1.25	1.30



COAL BULK DENSITY
g/cm³

DEPTH

GAUSSA RAY

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600

0 1.25 1.50 1.600 1.600</

1K-15KWA 8513A

239



Gamm, Ray & Neutron/Neutron Log

BOREHOLE 14-3-13

CLIENT Orica West Resources Ltd.

AREA Tolka, B.C.

COUNTRY Canada

DATE LOGGED 12/10/83

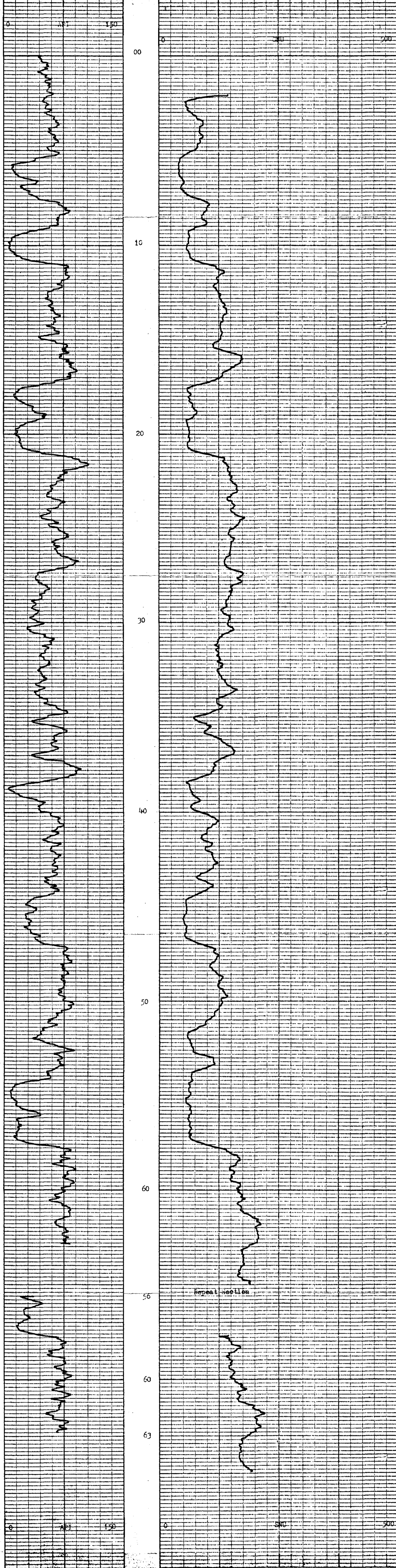
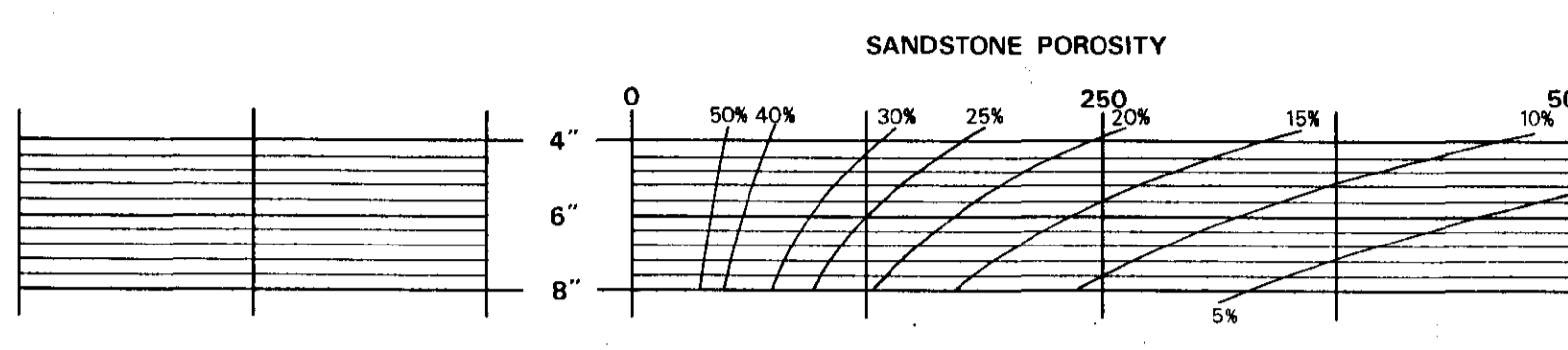
BOREHOLE DATA REFER TO Lithology LOG

OPERATION DATA REFER TO Lithology LOG

EQUIPMENT AND RECORDING DATA

LOG	TAPING	RECORDING SPEED	SCALE	PANEL	CAL. CORRECTION
Gamma	Y	20/ft	1	1	1.2
N	Y	20/ft	1	1	1.2
LOG	Y	20/ft	1	1	1.2

DEPTH	0	500
	0	500



DEPTH	0	500
	0	500

BOREHOLE 14-3-13 AREA Tolka B.C.
 CLIENT Orica West Resources Ltd. COUNTRY Canada



1 K. - 1 E. K. W. A. 83(5) R

239



MULTI-CHANNEL SONIC LOG

BOREHOLE _____ 313 (6)

CLIENT _____

AREA _____ DEPTH SCALE _____

COUNTRY _____ DATE LOGGED _____

— OF — LOGS

BOREHOLE DATA

PERMANENT DATUM _____

ELEVATION OF P.D. _____

BPB _____ DRILLER _____

TESTS/READINGS FROM _____

DEPTH REACHED _____

CASING SHOE _____

BIT SIZES 1 TO 2 TO 3 TO 4 TO

CASING SIZES 1 TO 2 TO

FLUID DATA

NATURE _____

S.G. _____

LEVEL _____

VISCOSITY _____

Rm. at meas. temp. _____

BHT _____

OPERATION DATA

FIRST READING _____

LAST READING _____

INTERVAL LOGGED _____

UNIT - TRUCK NO. _____

ENGINEER _____

WITNESS _____

EQUIPMENT AND RECORDING DATA

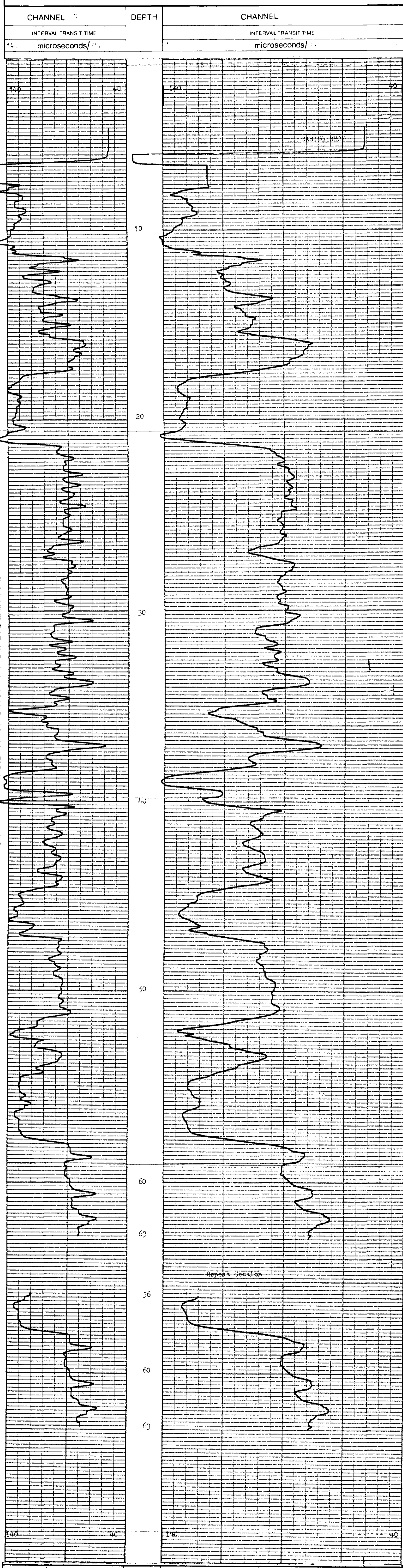
SONDE No.	CENTRALISERS SET TO DIAMETER												
	TRANSDUCER ARRANGEMENT				GENERAL LOGGING		DETAIL LOGGING		DATA RECORDED		DATA DISPLAYED		
	RECEIVER PAIR	SPACING R-R	SPACING T-R	SPEED	TC SECS	SPEED	TC SECS	FROM	TO	INTERVAL	FROM	TO	INTERVAL
CHANNEL 1	R1 - R2	8"	24"										
CHANNEL 2	R2 - R4	16"	32"										
CHANNEL 3	R1 - R4	24"	24"										
CHANNEL 4	R3 - R4	8"	40"										

DETAIL ZONES DISPLAYED (SEE RELEVANT LOG)

FROM _____ TO _____ INTERVAL _____

INTERVAL TOTAL _____

REMARKS _____



microseconds/ft. DEPTH microseconds/ft.

CHANNEL CHANNEL

BOREHOLE _____ AREA _____

CLIENT _____ COUNTRY _____

MC SONIC LOG



NY 12605 BR



239

15-1 Etkin 83(3)A

COAL LITHOLOGY LOG

BOREHOLE 313-6 CLIENT 0

AREA W. of ... DEPTH SCALE 1:1

COUNTRY ... DATE LOGGED ...

PERMANENT DIALUM ... DRILLER ...

ELEVATION OF P.D. ...

MEASUREMENTS FROM ...

DEPTH REACHED ...

CASING SIZE ...

BIT SIZES ...

CASING SIZES ...

FLUID DATA

NATURE ...

LEVEL ...

VISCOSITY ...

TEMP. AT MASS TEMP. ...

LOG SUITE

GAMMA RAY

L.S. DENSITY

CALIPER

OPERATION DATA

FIRST READING ...

LAST READING ...

INTERVAL LOGGED ...

UNIT TRACK NO. ...

ENGINEER ...

WITNESSES ...

EQUIPMENT AND RECORDING DATA

LOG	EQUIPMENT		TAPING		PANEL		CAL COEFF	DEPTHS		SEAM LOG RUN
	SONDE	SOURCE	LOG TAPED	RECORD SPEED	DIRECT or REPLAY	SPEED		TC SECS	FROM	
GAMMA RAY										
L.S. DENSITY										
CALIPER										

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

FROM	TO	INTERVAL TOTAL

ADDITIONAL SONDES RUN

SONDE	LOG	GENERAL SCALE LOG	DETAIL SCALE LOG	REFER TO ADDITIONAL HEADINGS

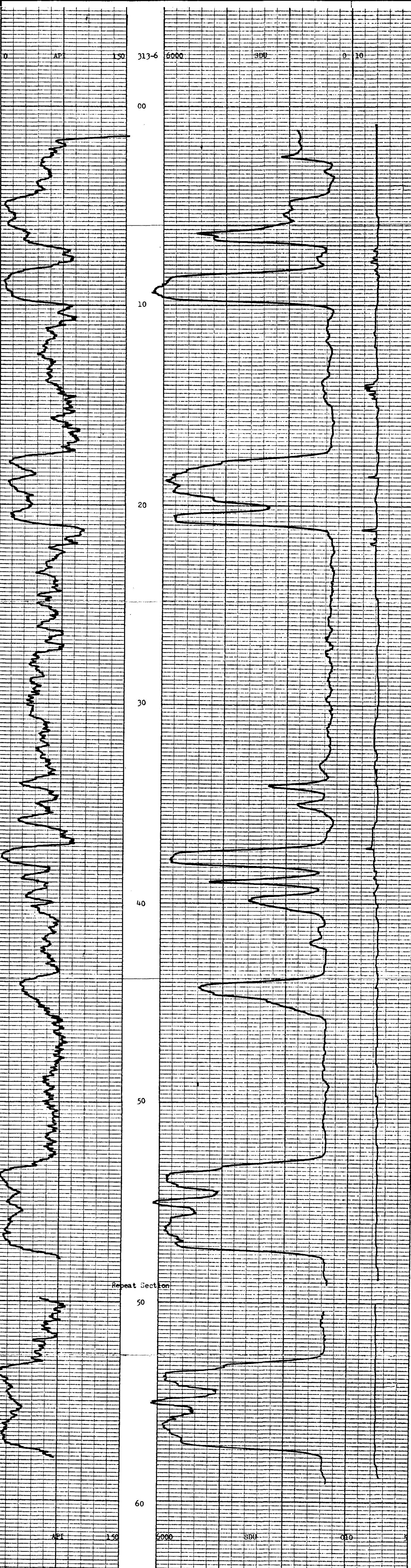
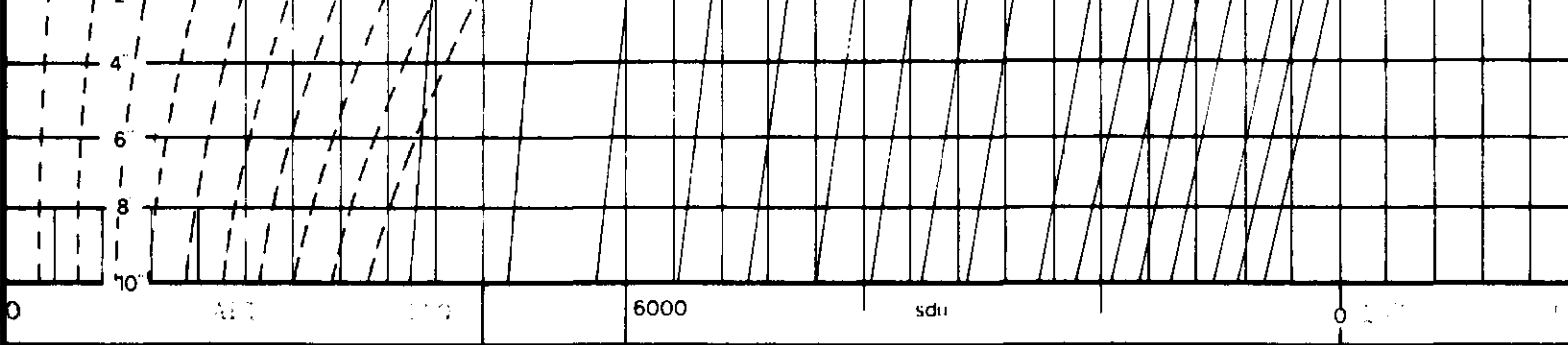
BPB COAL LITHOLOGY LOG

CALIBRATION DATA

JIG No. <u>01</u> VALUE <u>...</u> @ 2" DIAM	JIG CAL DATE <u>...</u> JIG VALUE <u>...</u> SDU @ <u>...</u> g/cm ³ <u>...</u> ms <u>...</u> cps
JIG MARK SHOWN AT ABOVE VALUE -	JIG No. <u>...</u> SPAN <u>...</u> NORM <u>...</u> SDU <u>...</u> CPS <u>...</u> ms <u>...</u> cps

GAMMA RAY	DEPTH	BULK DENSITY	CALIPER INCHES
-----------	-------	--------------	----------------

HOLE SIZE CORRECTION DATA



GAMMA RAY	DEPTH	BULK DENSITY	CALIPER INCHES
-----------	-------	--------------	----------------

BOREHOLE 313-6 AREA ...

CLIENT ... COUNTRY ...

COAL LITHOLOGY LOG





DIPMETER ANALYSIS

239

CLIENT _____
BOREHOLE _____
AREA _____
COUNTRY _____

CROWS NEST RESOURCES
313-6 ④
TELKWA B.C.
CANADA

TELKWA 83(13)

DATE LOGGED.....13-SEP-83
DATE PROCESSED..28-SEP-83



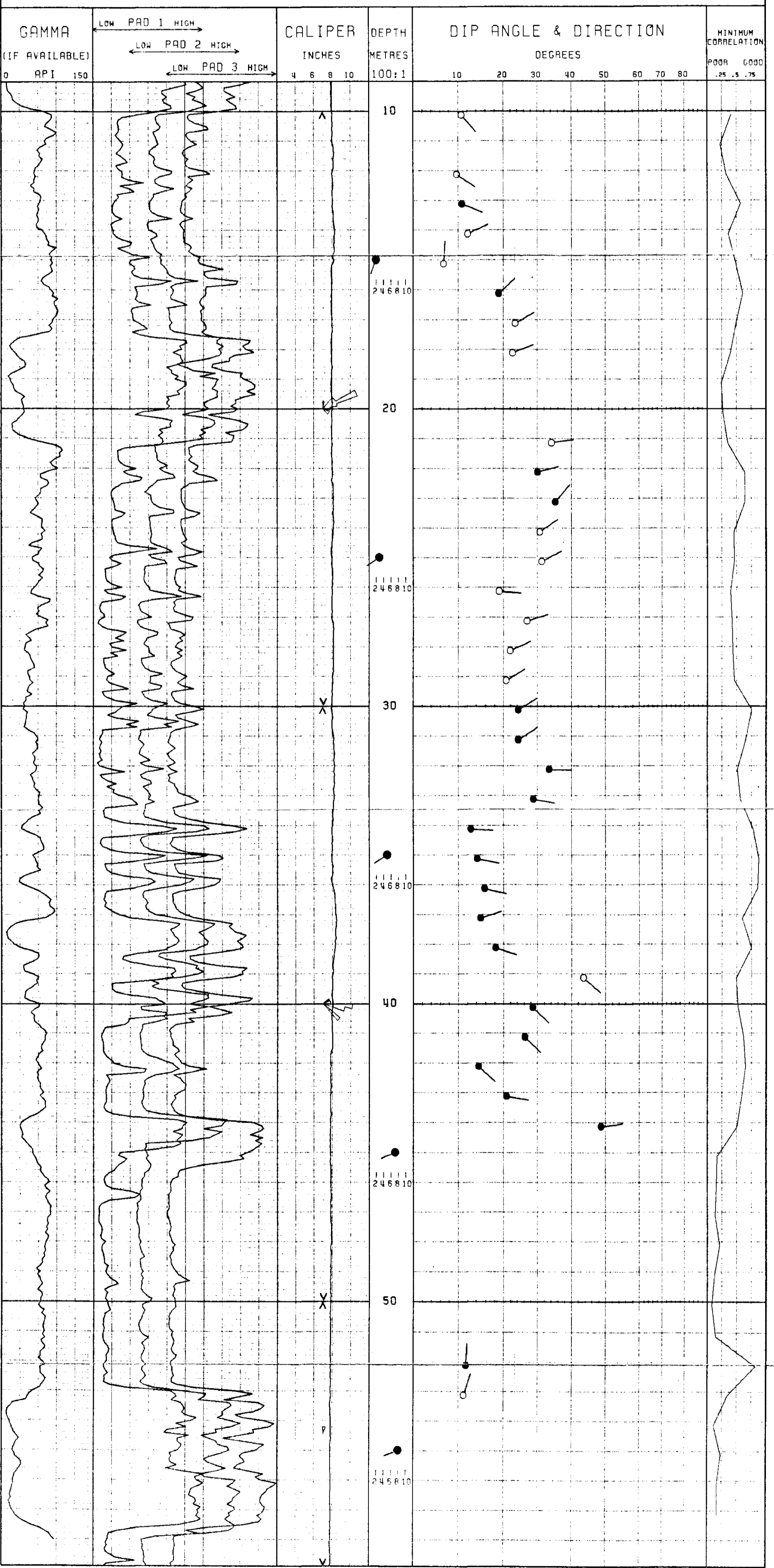
COMMENTS.....

INTERPRETATION PARAMETERS

STEP 1.00M. DECLINATION 26.0 EAST
INTERVAL 2.00M. DEPTH RANGE 9.00 - 58.90M.
SEARCH ANGLE 50. DATE PROCESSED 28-SEP-83

AVERAGE BOREHOLE DEVIATION & DIRECTION
ANNOTATED EVERY 10.0M.
ROSE DIAGRAMS SEGMENTED EVERY TEN DEGREES.
.1" RADIUS PER DIP MARKER DISPLAYED

LEGEND:
● GOOD (>0.50)
○ FAIR (>0.30)

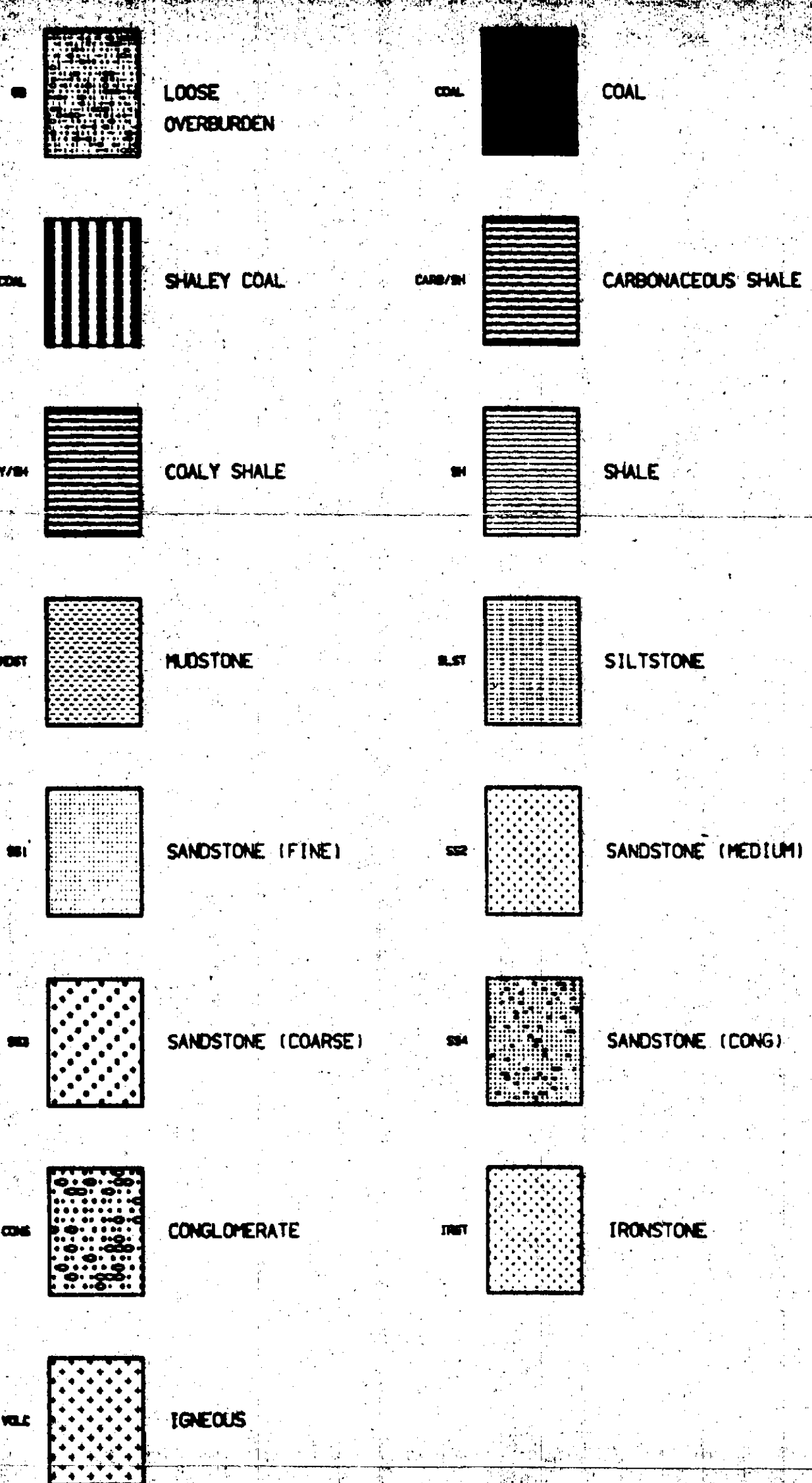
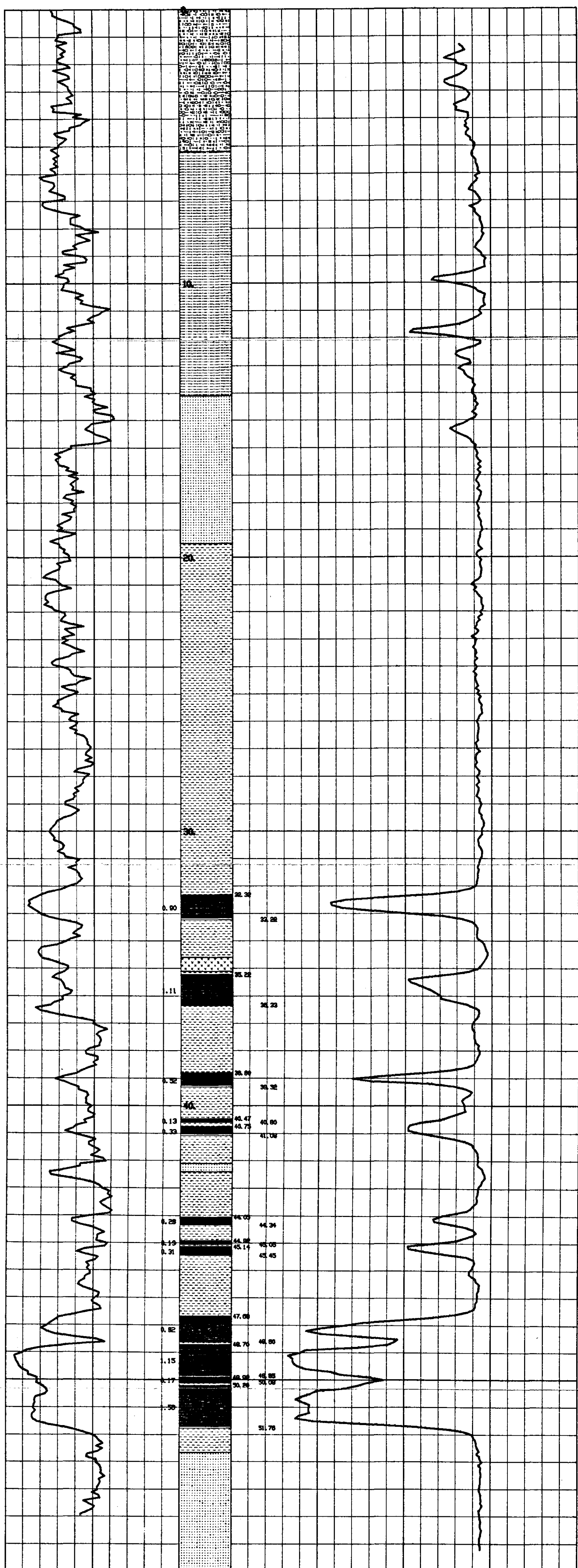
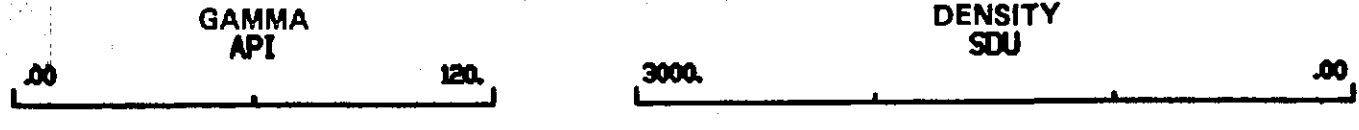


1X-TELKWA 83/31A

TELKWA PROJECT

DRILL HOLE #314 (1)

239



JK - TELWA 83(L)A

239

D48-412-PC02818



BOREHOLE FW 32-314
 CLIENT Crows Nest Resources Ltd.

AREA Telwa Bay
 COUNTRY Canada

DATE LOGGED 12/24/83
 DEPTH SCALE 2 of 4 LOGS

BOREHOLE DATA REFER TO LITHOLOGY LOG
 OPERATION DATA REFER TO LITHOLOGY LOG

EQUIPMENT AND RECORDING DATA

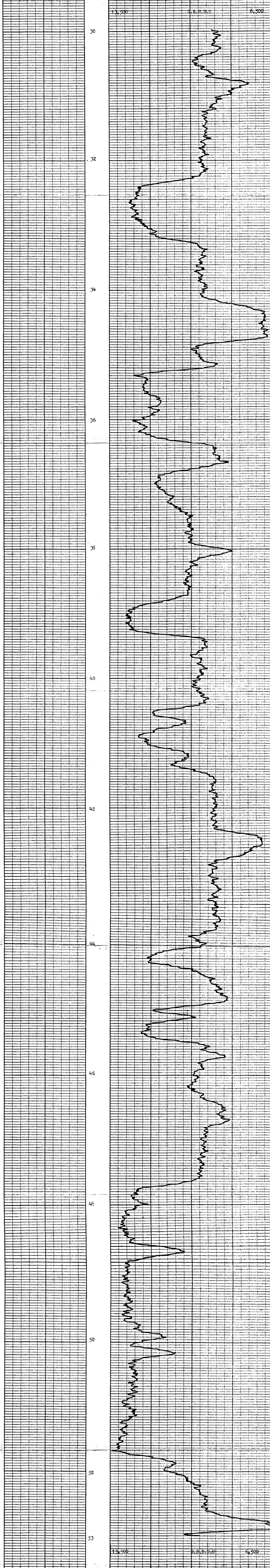
SEAM THICKNESS LOG

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

SEAM THICKNESS LOG INTERVALS

FROM	TO
INTERVAL	INTERVAL
FROM	TO
INTERVAL	INTERVAL
FROM	TO
INTERVAL	INTERVAL

B P B SEAM THICKNESS LOG



CALIPER INCHES: dia DEPTH: 13.500 BED RESOLUTION DENSITY: 13.500 6.500 6.500

BOREHOLE FW 32-314 AREA Telwa Bay
 CLIENT Crows Nest Resources Ltd. COUNTRY Canada

15-15000 83 (A)

239



BOREHOLE TR-30-314 (3)
 CLIENT Crown West Resources Ltd.
 AREA Bellevue
 COUNTRY Canada
 DATE LOGGED 12/14/73

DEPTH SCALE
 1:100
 OF LOSS

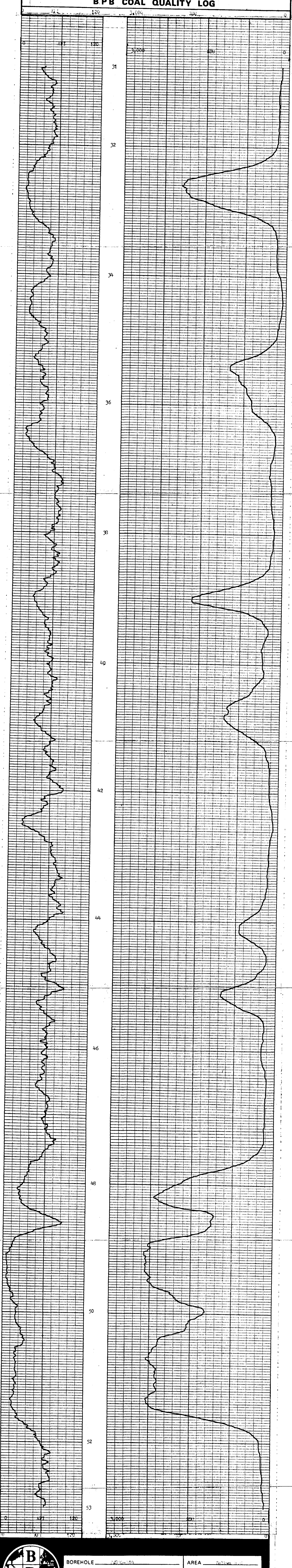
BOREHOLE DATA REFER TO LITHOLOGY LOG
 OPERATION DATA REFER TO LITHOLOGY LOG
 EQUIPMENT AND RECORDING DATA
 COAL COMBINATION SAMPLE

SONDE TYPE:
 COAL
 COMBINATION
 SONDE

LOG SUITE:
 GAMMA RAY
 L.S. DENSITY

LOGS TAPPING INTERVALS PANEL COEF.
 LOG SPEED REVERSE SPEED SECS. NOMM.
 GAMMA Y 26/2m 2 2 1.1-1.2
 L.S. DENSITY Y 27/2m 2 2 1.6
 SOURCE SONDE AND CALIBRATION
 REFER TO LITHOLOGY LOG

B.P.B. COAL QUALITY LOG



202 212-75008818

11-60888-100

1 K - TELWA 8513A

239



SECTION 100 x 100 ft. (100 ft. x 100 ft.)

BOREHOLE 100-314 (4)

CLIENT JOHN DEERE EQUIPMENT CO.

AREA INDIANA DEPTH SCALE 1:1000

COUNTRY INDIANA

DATE LOGGED 11/10/79 OF LOGS 1

BOREHOLE DATA REFER TO 111101079 LOG

OPERATION DATA REFER TO 111101079 LOG

EQUIPMENT AND RECORDING DATA

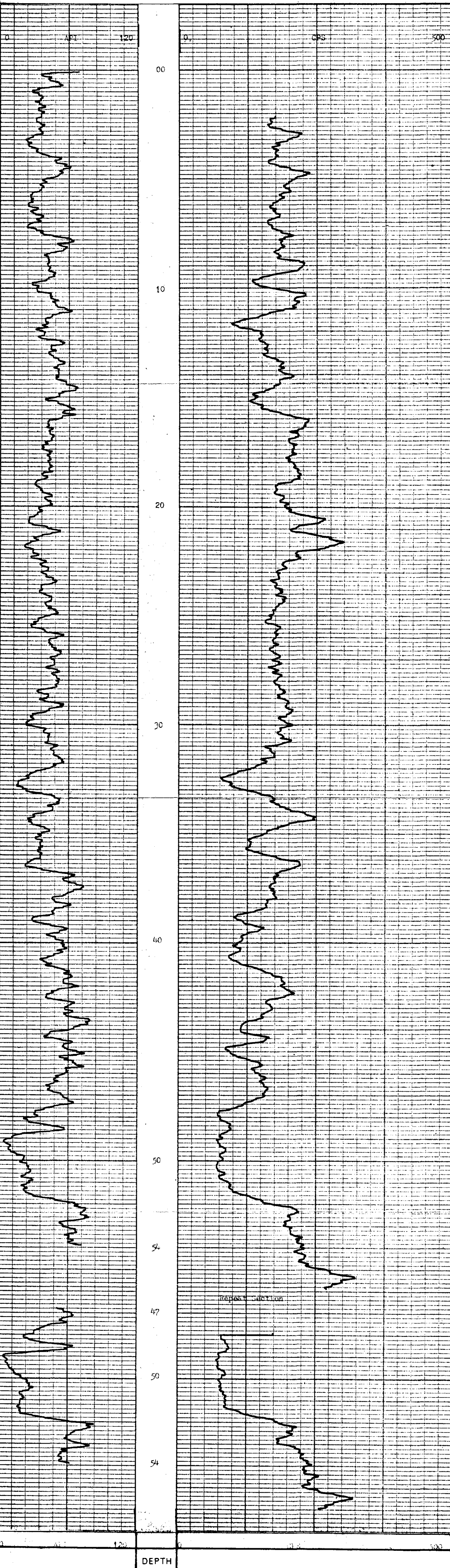
LOG	TAPING	RECORDING	PANEL	SCALE	DEPTH
LOG	TAPING	RECORDING	PANEL	SCALE	DEPTH
LOG	TAPING	RECORDING	PANEL	SCALE	DEPTH
LOG	TAPING	RECORDING	PANEL	SCALE	DEPTH

REMARKS

LOG TAPING RECORDED SPEED REPLAY SPEED SECS NORM

DEPTH

DEPTH



BOREHOLE 100-314

AREA INDIANA

CLIENT JOHN DEERE EQUIPMENT CO.

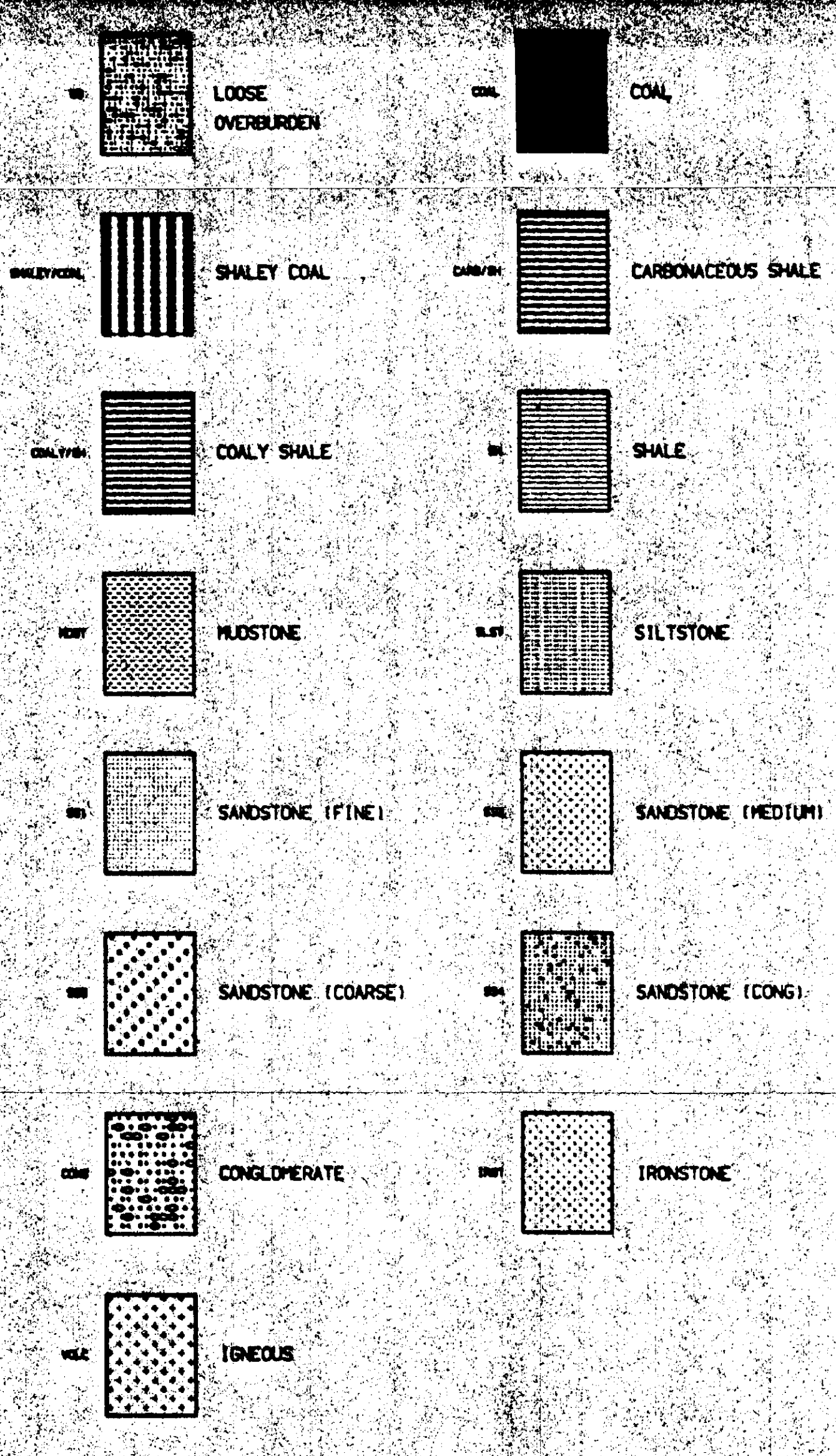
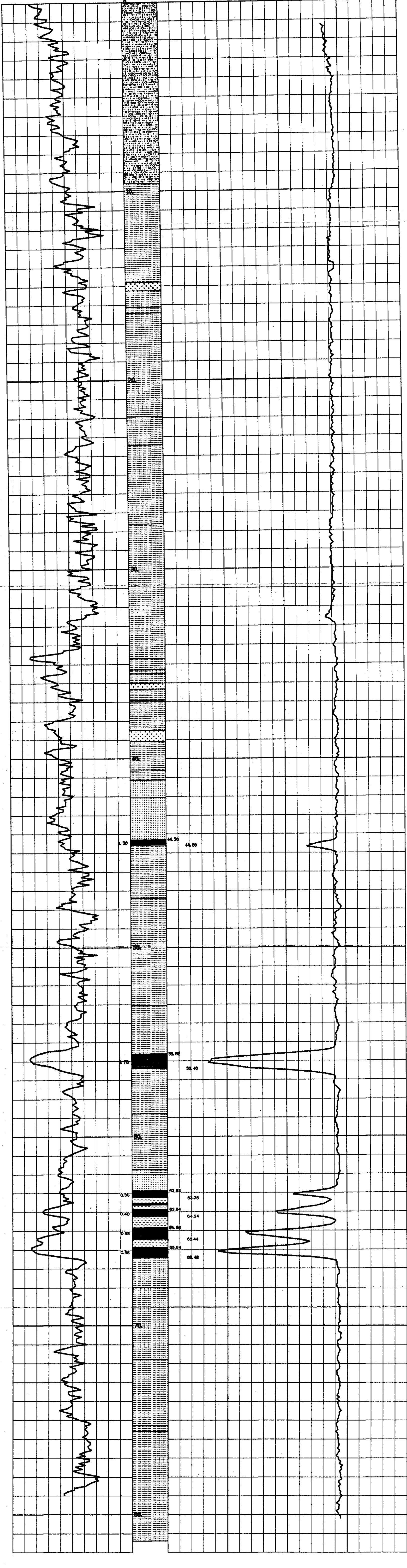
COUNTRY INDIANA

TELKWA PROJECT

DRILL HOLE #315 ①

239

GAMMA API DENSITY SDU



YIC - Elkema 83 (3A)

239



SONDE TYPE:
COAL COMBINATION SONDE

LOG SUITE:
GAMMA RAY
L.S. DENSITY

COAL QUALITY LOG

BOREHOLE 14-31-215
CLIENT Crows Nest Resources Ltd.

AREA Bellevue P.D. DEPTH SCALE _____
COUNTRY Canada

DATE LOGGED 12/11/83 1 OF 1 LOGS

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

COAL COMBINATION SONDE

LOG	TAPPING	SIDEWALL POSITION	PANEL	COAL
GAMMA RAY	Y	2m/2	1	2
L.S. DENSITY	Y	2m/2	1	2

LOG RECORD DIRECTOR SPEED SECS. NORM
TAPED SPEED REEL IN

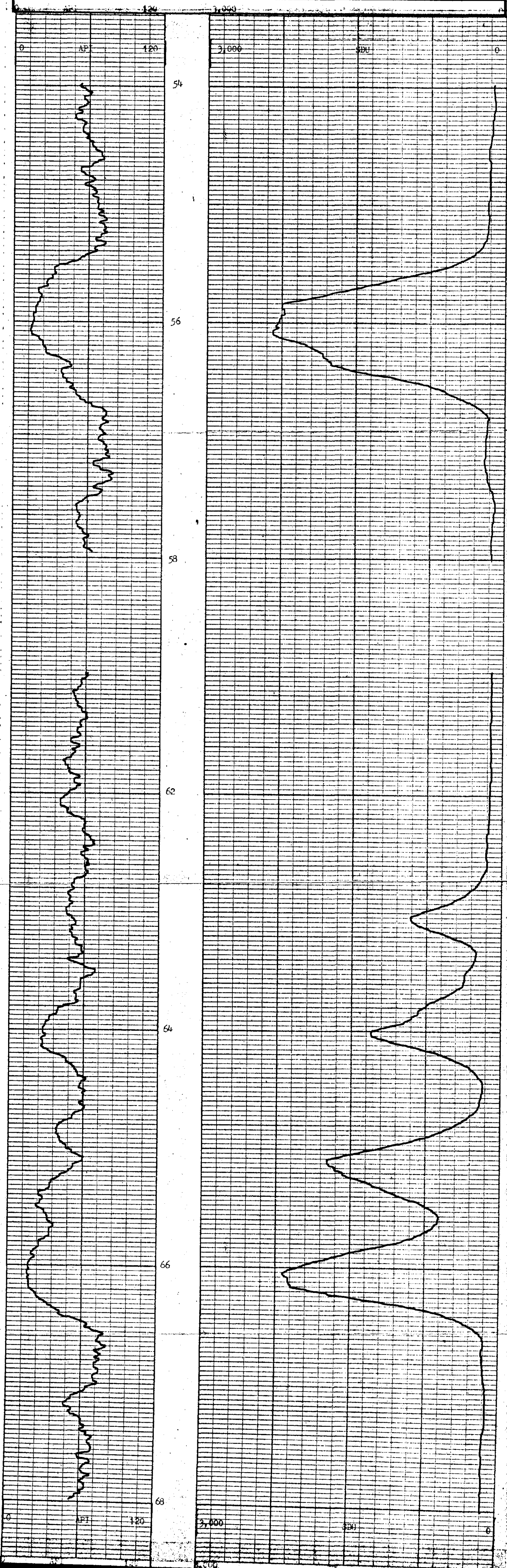
SOURCE, SONDE AND CALIBRATION
REFER TO LITHOLOGY LOG

COAL QUALITY LOG INTERVALS

FROM	TO	INTERVAL	INTERVAL TOTAL
24.0m	5.0m		
54.0m	74.0m		
74.0m	84.0m		
84.0m	94.0m		
94.0m	104.0m		
104.0m	114.0m		
114.0m	124.0m		
124.0m	134.0m		
134.0m	144.0m		
144.0m	154.0m		
154.0m	164.0m		
164.0m	174.0m		
174.0m	184.0m		
184.0m	194.0m		
194.0m	204.0m		
204.0m	214.0m		
214.0m	224.0m		
224.0m	234.0m		
234.0m	244.0m		
244.0m	254.0m		
254.0m	264.0m		
264.0m	274.0m		
274.0m	284.0m		
284.0m	294.0m		
294.0m	304.0m		
304.0m	314.0m		
314.0m	324.0m		
324.0m	334.0m		
334.0m	344.0m		
344.0m	354.0m		
354.0m	364.0m		
364.0m	374.0m		
374.0m	384.0m		
384.0m	394.0m		
394.0m	404.0m		
404.0m	414.0m		
414.0m	424.0m		
424.0m	434.0m		
434.0m	444.0m		
444.0m	454.0m		
454.0m	464.0m		
464.0m	474.0m		
474.0m	484.0m		
484.0m	494.0m		
494.0m	504.0m		
504.0m	514.0m		
514.0m	524.0m		
524.0m	534.0m		
534.0m	544.0m		
544.0m	554.0m		
554.0m	564.0m		
564.0m	574.0m		
574.0m	584.0m		
584.0m	594.0m		
594.0m	604.0m		
604.0m	614.0m		
614.0m	624.0m		
624.0m	634.0m		
634.0m	644.0m		
644.0m	654.0m		
654.0m	664.0m		
664.0m	674.0m		
674.0m	684.0m		
684.0m	694.0m		
694.0m	704.0m		
704.0m	714.0m		
714.0m	724.0m		
724.0m	734.0m		
734.0m	744.0m		
744.0m	754.0m		
754.0m	764.0m		
764.0m	774.0m		
774.0m	784.0m		
784.0m	794.0m		
794.0m	804.0m		
804.0m	814.0m		
814.0m	824.0m		
824.0m	834.0m		
834.0m	844.0m		
844.0m	854.0m		
854.0m	864.0m		
864.0m	874.0m		
874.0m	884.0m		
884.0m	894.0m		
894.0m	904.0m		
904.0m	914.0m		
914.0m	924.0m		
924.0m	934.0m		
934.0m	944.0m		
944.0m	954.0m		
954.0m	964.0m		
964.0m	974.0m		
974.0m	984.0m		
984.0m	994.0m		
994.0m	1004.0m		

REMARKS
*These data unusual scales in appropriate intervals.

BPB COAL QUALITY LOG



BOREHOLE 14-31-215 AREA Bellevue P.D.
CLIENT Crows Nest Resources Ltd. COUNTRY Canada

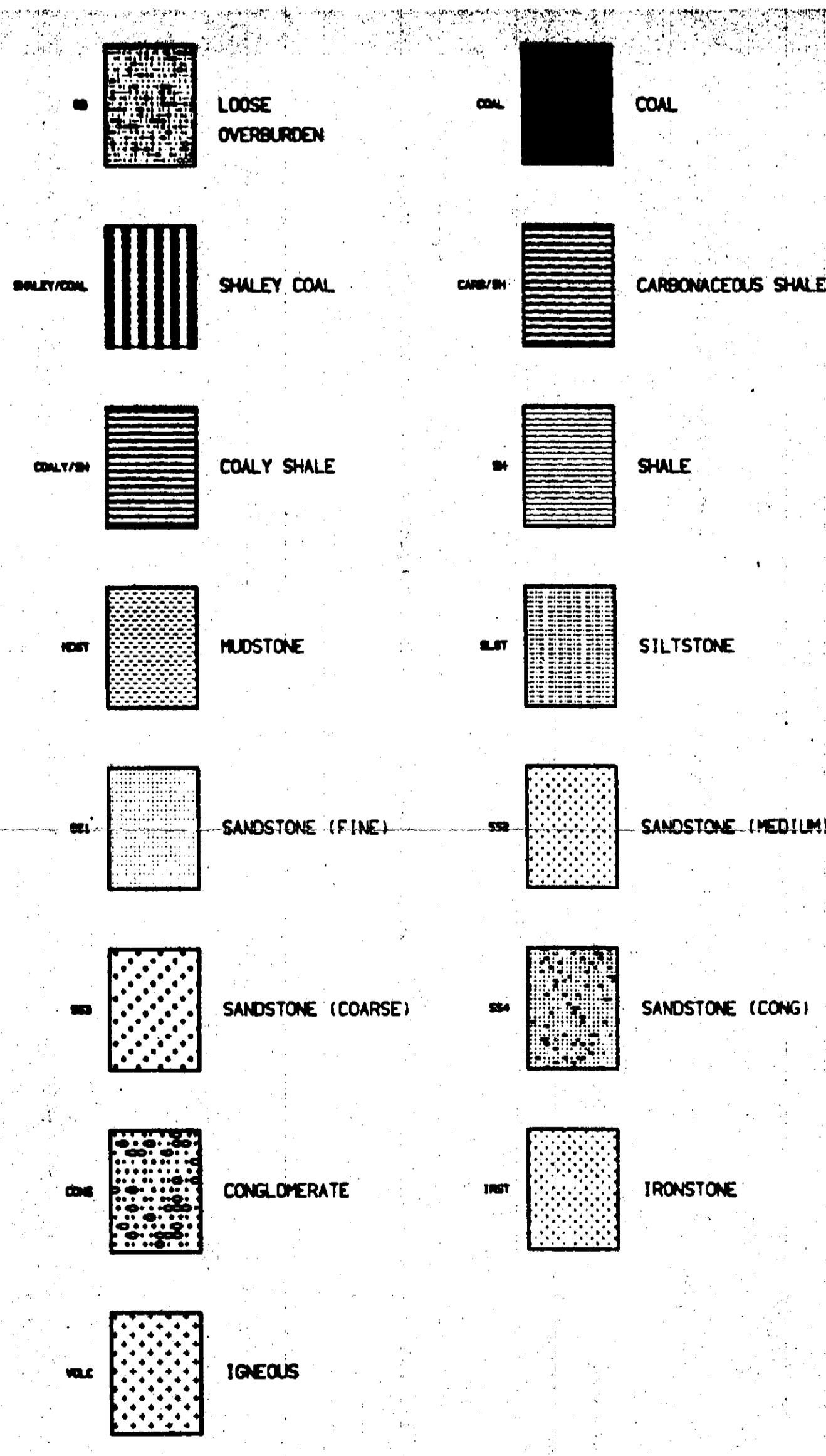
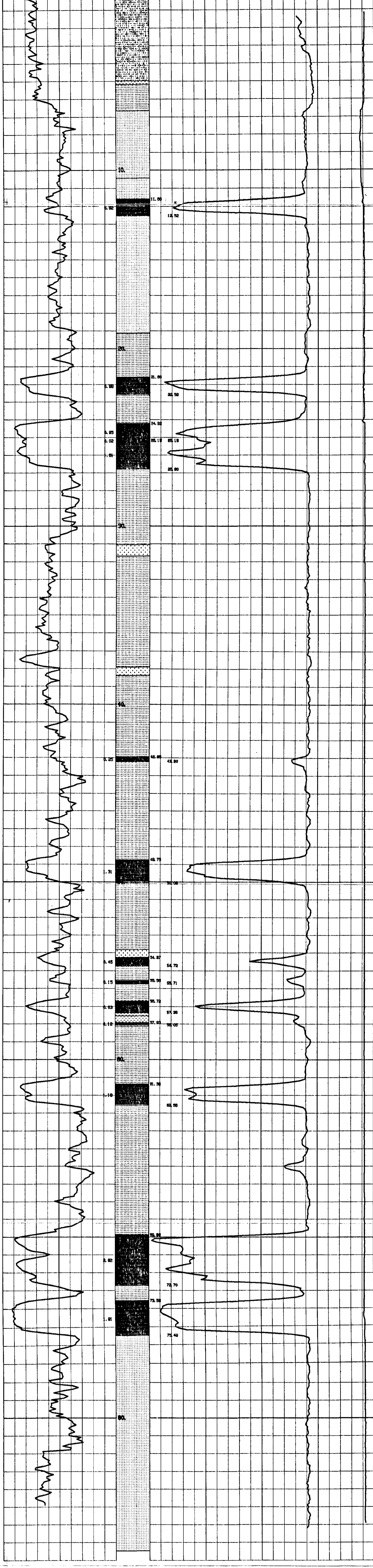
COAL QUALITY LOG

1K-TELKWA 83A

TELKWA PROJECT 239

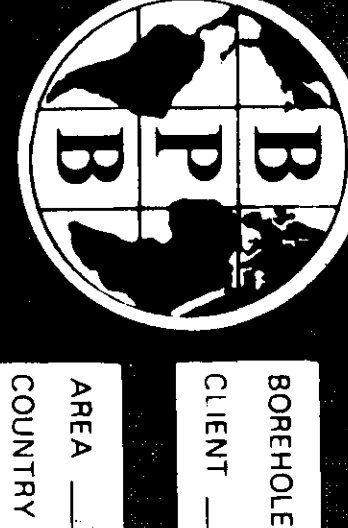
DRILL HOLE #316 ①

GAMMA API 150 6000 DENSITY SDU CALIPER INCHES .00 7.00 2.00



1K-7E24WA 2337A

239



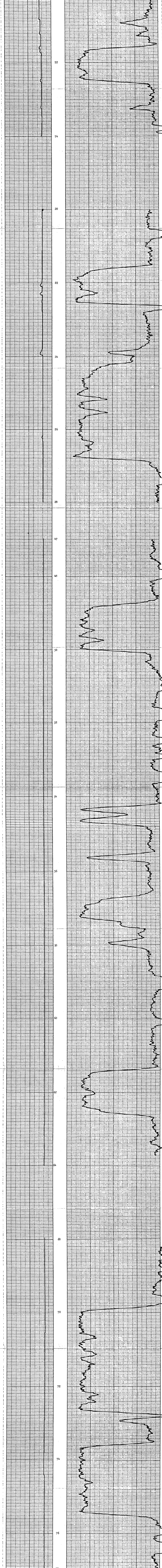
BOREHOLE 23-36 ②
 CLIENT Stevia West Resources Ltd.
 AREA Stevia
 COUNTRY Canada
 DATE LOGGED 3/26/2013
 OF LOGS 1

SEAM THICKNESS LOG
 BOREHOLE DATA REFER TO LHM001.DOC
 OPERATION DATA REFER TO LHM001.DOC
 EQUIPMENT AND RECORDING DATA
 COAL COMBINATION SOURCE

LOG
 LOG TYPING 100% SERIAL POSITION 100%
 LOG REVISIONS 1 LOG SPEED 30 INCHES PER MINUTE
 CALIPER 1 SERIAL POSITION 1
 BRUSHING 1 SERIAL POSITION 1
 SOURCE SOURCE AND CALIBRATION
 REFER TO LHM001.DOC

SEAM THICKNESS LOG INTERVALS
 FROM 0 TO 10 FEET
 FROM 10 TO 20 FEET
 FROM 20 TO 30 FEET
 FROM 30 TO 40 FEET
 FROM 40 TO 50 FEET
 FROM 50 TO 60 FEET
 FROM 60 TO 70 FEET
 FROM 70 TO 80 FEET
 FROM 80 TO 90 FEET
 FROM 90 TO 100 FEET
 TOTAL

B P B SEAM THICKNESS LOG



CALIPER INCHES DEPTH BED RESOLUTION DENSITY

B.P.B. logo

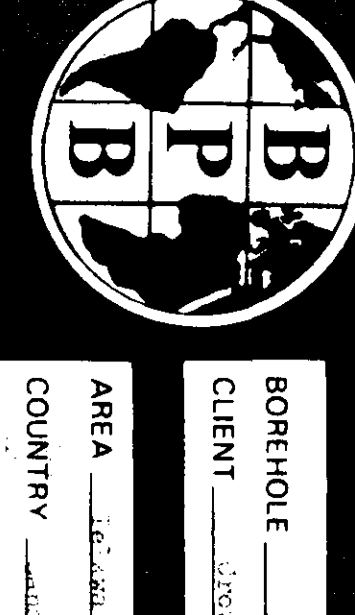
BOREHOLE 23-36 AREA Stevia
 CLIENT Stevia West Resources Ltd. COUNTRY Canada

SEAM THICKNESS LOG

MY 8500 2

1-K-Terra 83314

239



BOREHOLE: 15-36-36
 CLIENT: Terra Tech Resources Ltd.
 AREA: 15-36-36
 COUNTRY: Canada
 DATE LOGGED: 14/04/2013
 DEPTH SCALE: 1:1000
 OF 4 LOGS

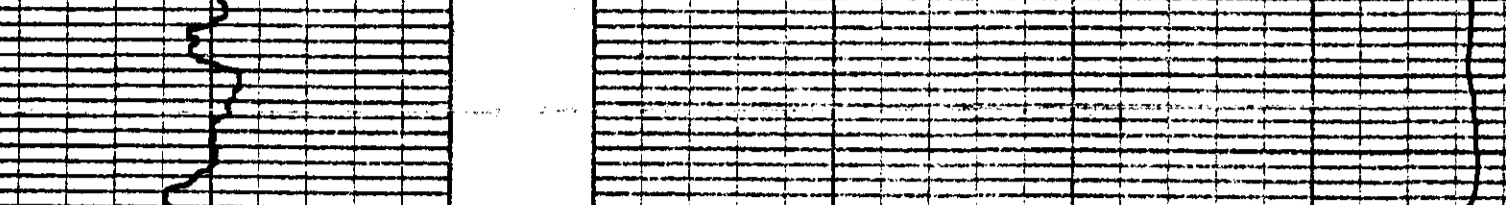
BOREHOLE DATA: REFER TO LITHOLOGICAL LOG
 OPERATION DATA: REFER TO LITHOLOGICAL LOG
 EQUIPMENT AND RECORDING DATA
 COAL COMBUSTION SCORE: 100
 LOGIC: LAMING
 COAL QUALITY LOG: 100
 COAL QUALITY LOG INTERVALS: 100

BPB COAL QUALITY LOG

DEPTH: 0 to 80
 COAL BULK DENSITY: g/cm^3

HOLE SIZE CORRECTION DATA

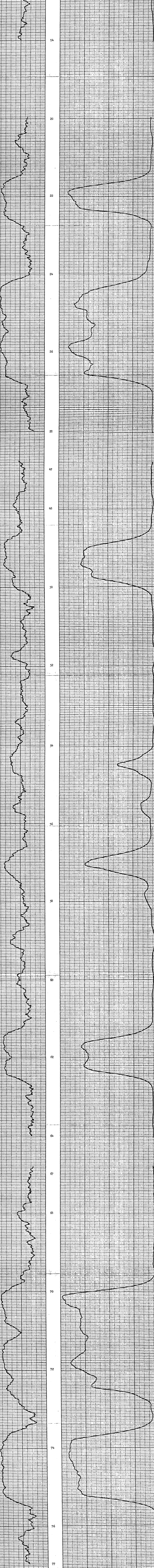
2"	1.2	25	1.3	1.35	1.4	1.45	1.5	1.55	1.6	1.7	1.8	2.0	2.2	2.4	3.0
----	-----	----	-----	------	-----	------	-----	------	-----	-----	-----	-----	-----	-----	-----



COAL QUALITY LOG INTERVALS

FROM	TO	INTERVAL
0	10	10
10	20	10
20	30	10
30	40	10
40	50	10
50	60	10
60	70	10
70	80	10

REMARKS



DEPTH: 0 to 80
 COAL BULK DENSITY: g/cm^3

BOREHOLE: 15-36-36
 CLIENT: Terra Tech Resources Ltd.
 AREA: 15-36-36
 COUNTRY: Canada

BPB COAL QUALITY LOG

1X-1 Eureka 85337A

239



DATE LOGGED 11/7/73

BOREHOLE 316

CLIENT

AREA Toluca, B.C.

COUNTRY Canada

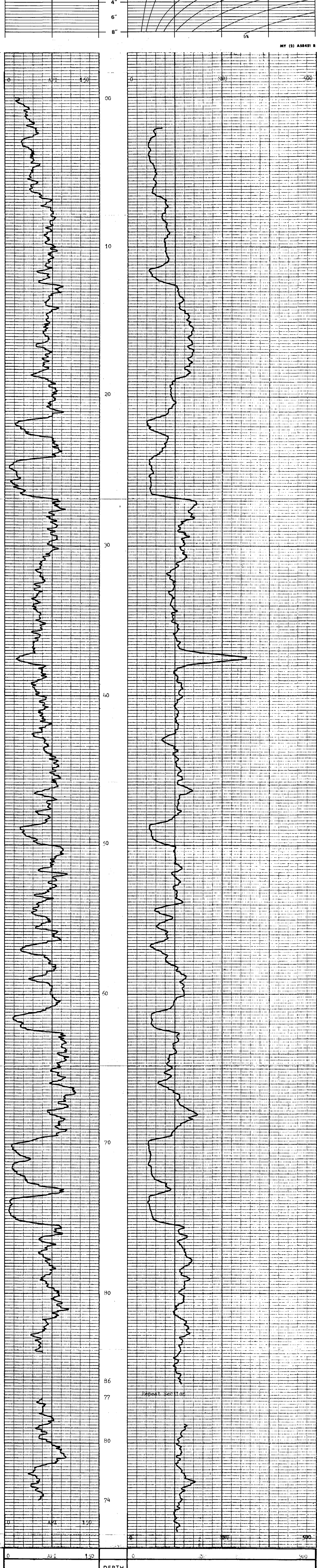
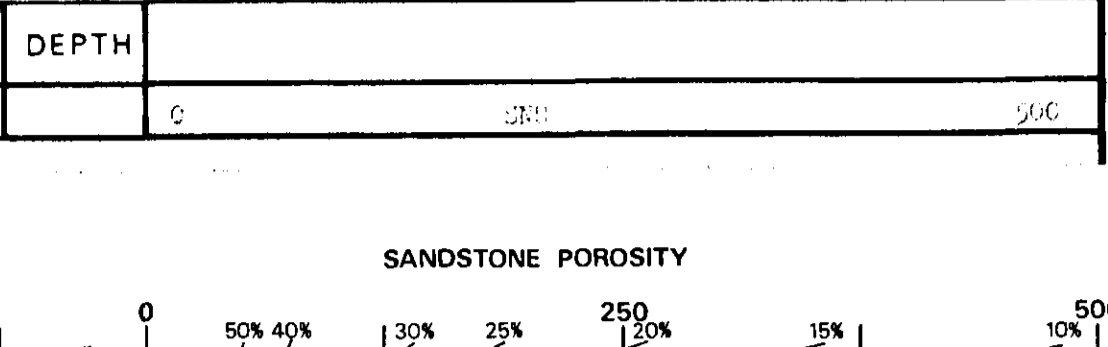
BOREHOLE DATA REFER TO Lithology LOG

OPERATION DATA REFER TO Lithology LOG

EQUIPMENT AND RECORDING DATA

LOG	TAPING	TAPE	RECORD	REPRODUCTION	SPEED	SECS	NORM	CAI
Standard	X	9-1/2"	2	2-1/2"	1	-	1.75	
1/4"	X	9-1/2"	2	2-1/2"	1	-	1.75	

REMARKS



DEPTH	0	150	300	450	600
-------	---	-----	-----	-----	-----



BOREHOLE 316-11

CLIENT

AREA Toluca, B.C.

COUNTRY Canada

MY A58452 R

15-1 ELSWA B3 (A)

239



MULTI-CHANNEL SONIC LOG

BOREHOLE DATA

BOREHOLE _____ 316 _____ (6)

CLIENT _____

AREA _____ DEPTH SCALE _____

COUNTRY _____ OF _____ LOGS _____

DATE LOGGED _____

PERMANENT DATA

ELEVATION OF P.D. _____

LOGGING FROM _____

DEPT. REACHED _____

CASING SHAPE _____

BIT SIZES 1 TO _____ 2 TO _____ 3 TO _____ 4 TO _____

CASING SIZES 1 TO _____ 2 TO _____

FLUID DATA

NATURE _____

S.G. _____

LEVEL _____

VISCOSITY _____

Rate of mass flow _____

BIT _____

OPERATION DATA

FIRST READING _____

LAST READING _____

INTERVAL LOGGED _____

UNIT - TRUCK No _____

ENGINEER _____

WITNESS _____

EQUIPMENT AND RECORDING DATA

SONDE No.	CENTRALISERS SET TO				DIAMETER							
	TRANSDUCER ARRANGEMENT		GENERAL LOGGING		DETAIL LOGGING		DATA RECORDED			DATA DISPLAYED		
	RECEIVER PAIR	SPACING R-R	SPEED	TC SECS	SPEED	TC SECS	FROM	TO	INTERVAL	FROM	TO	INTERVAL
CHANNEL 1	R1 - R2	8"	24"									
CHANNEL 2	R2 - R4	16"	32"									
CHANNEL 3	R1 - R4	24"	24"									
CHANNEL 4	R3 - R4	8"	40"									

DETAIL ZONES DISPLAYED (SEE RELEVANT LOG)

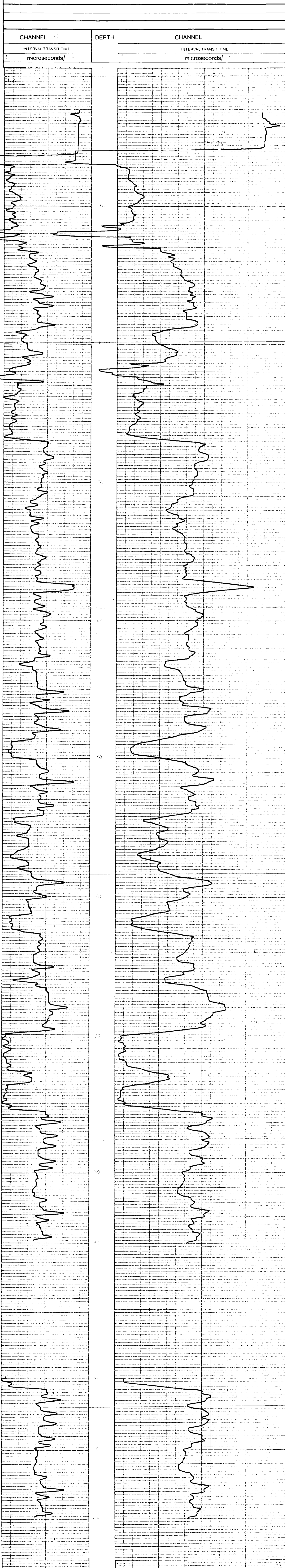
FROM _____

TO _____

INTERVAL _____

INTERVAL TOTAL _____

REMARKS _____



microseconds/ CHANNEL DEPTH CHANNEL microseconds/

1K-TELKWA 83(3A)



DIPMETER ANALYSIS

239

CLIENT	CROWS NEST RESOURCES
BOREHOLE	TW 83D-316 (7)
AREA	TELKWA, B.C.
COUNTRY	CANADA

DATE LOGGED.....14-JUN-83
DATE PROCESSED..07-JUL-83



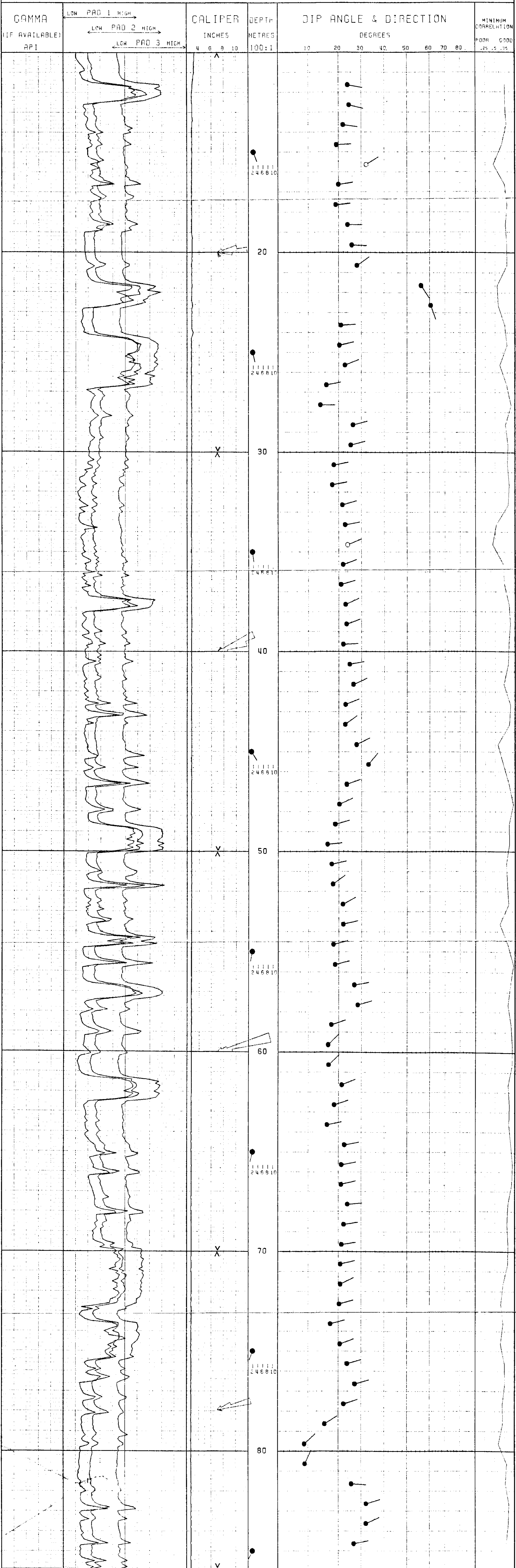
COMMENTS.....

INTERPRETATION PARAMETERS

STEP 1.00M. DECLINATION 26.0 EAST
INTERVAL 2.00M. DEPTH RANGE 10.00 - 85.90M.
SEARCH ANGLE 30. DATE PROCESSED 07-JUL-83

AVERAGE BOREHOLE DEVIATION & DIRECTION ANNOTATED EVERY 10.0M.
ROSE DIAGRAMS SEGMENTED EVERY TEN DEGREES.
.1" RADIUS PER DIP MARKER DISPLAYED

LEGEND:
● GOOD (>0.50)
○ FAIR (>0.30)

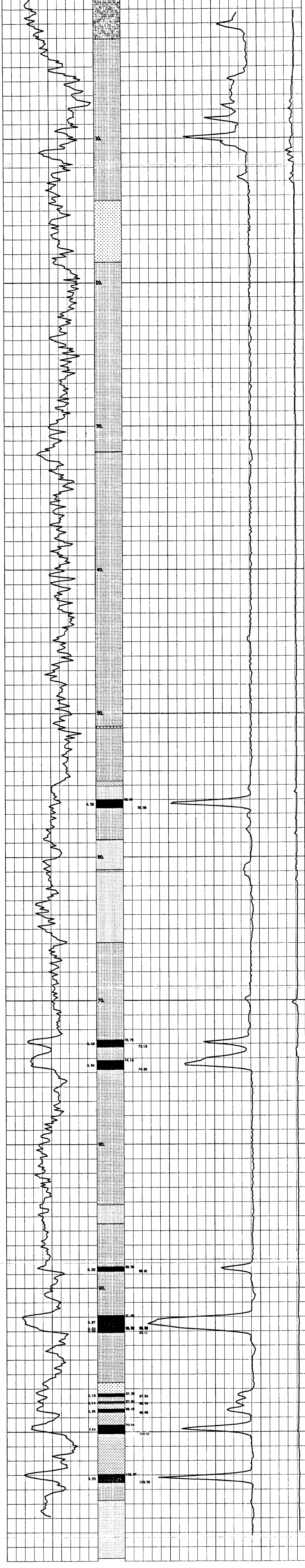


1K-TELKWA 83632

TELKWA PROJECT 239

DRILL HOLE #317 ①

GAMMA API 150. DENSITY SGU 8000. CALIPER INCHES .00 7.00 2.00



- | | |
|--------------------|--------------------|
| LOOSE OVERBURDEN | COAL |
| SHALEY COAL | CARB/SH |
| COALY SH | SH |
| MUDSTONE | SILTSTONE |
| SANDSTONE (FINE) | SANDSTONE (MEDIUM) |
| SANDSTONE (COARSE) | SANDSTONE (CONG) |
| CONGLOMERATE | IRONSTONE |
| IGNEOUS | |

1 K-1574WA 83(S)A

239



BOREHOLE _____ 317 (5)

CLIENT _____

AREA _____ DEPTH SCALE _____

COUNTRY _____ OF _____ LOGS

DATE LOGGED _____

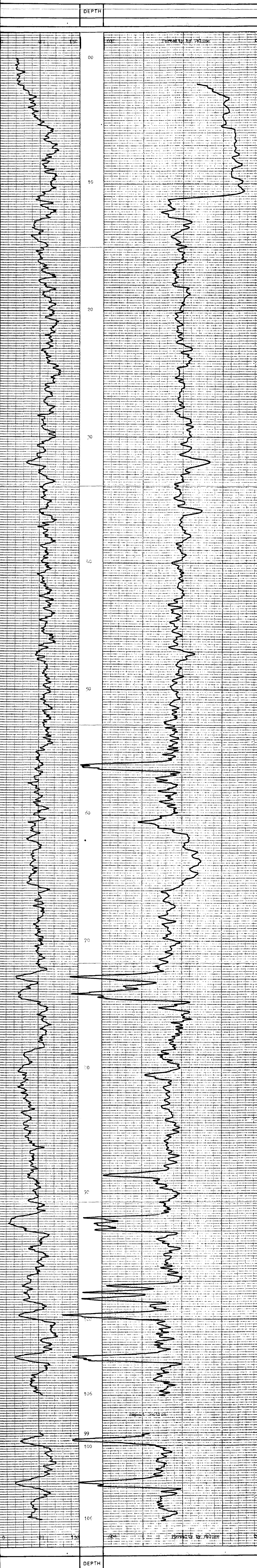
BOREHOLE DATA REFER TO LOG _____

OPERATION DATA REFER TO LOG _____

EQUIPMENT AND RECORDING DATA

LOG	TAPPING	PANEL	DATE
LOG	RECORDING SPEED	LOG	OFF
TAPED	RECORDING SPEED	LOG	OFF
RECORDING	RECORDING SPEED	LOG	OFF
RECORDING	RECORDING SPEED	LOG	OFF

REMARKS



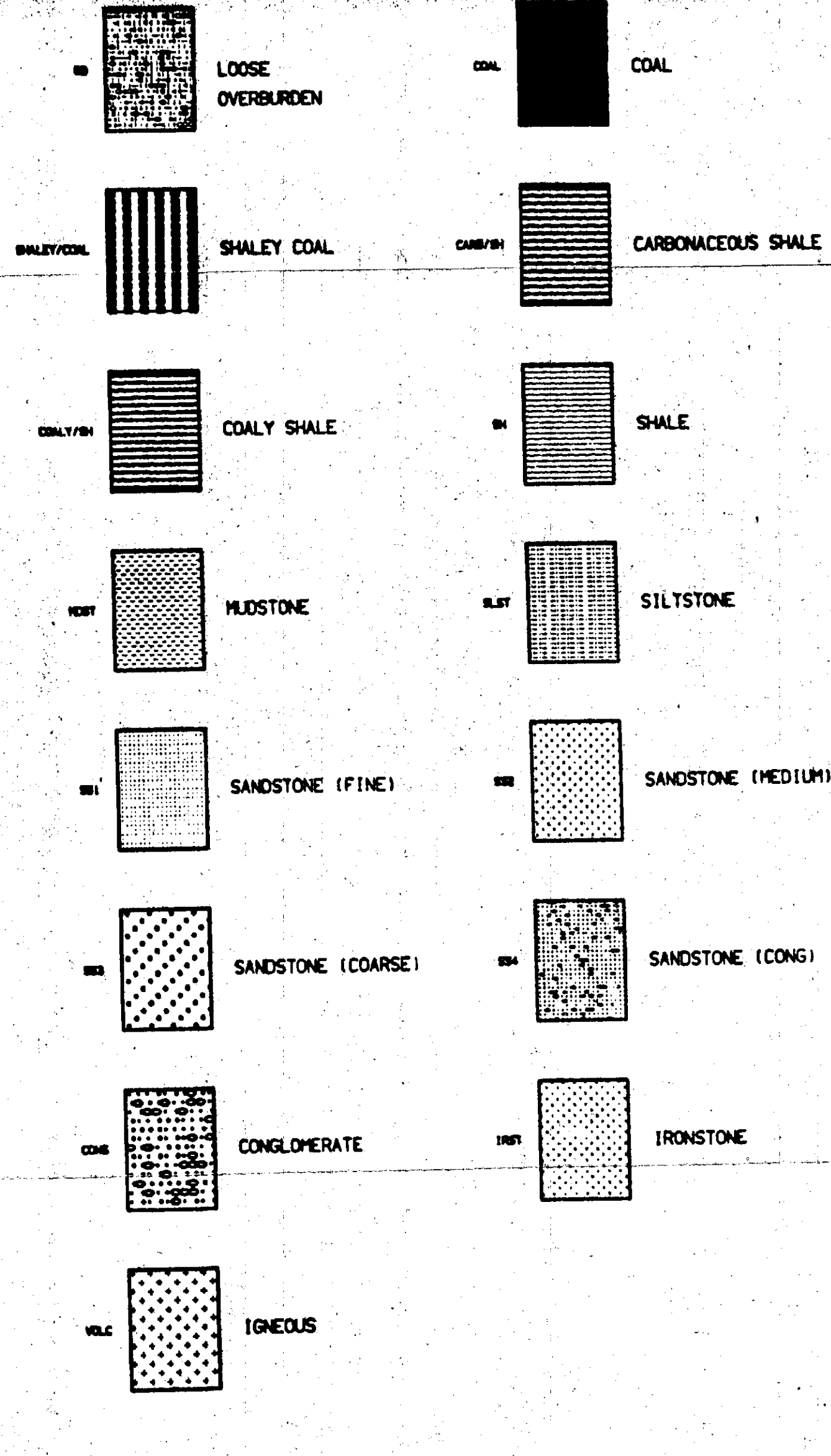
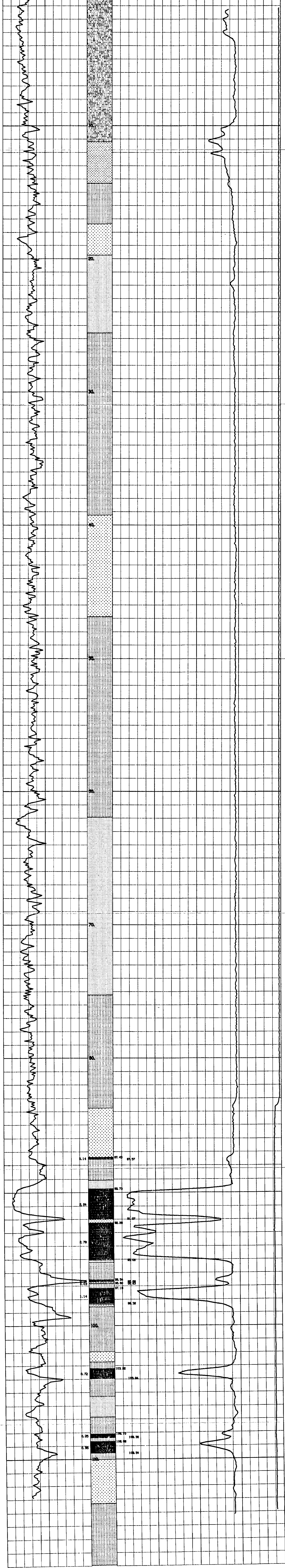
BOREHOLE _____ AREA _____

CLIENT _____ COUNTRY _____

TELKWA PROJECT 239

DRILL HOLE #318

GAMMA API 150. 8000. DENSITY SDU ① CALIPER INCHES .00 7.00 2.00



239
 1K - Teruma 8351A



SEAM THICKNESS LOG

BOREHOLE TWP 30-31R
 CLIENT Crown-Neat Resources Ltd.
 AREA Tulkoma B-2
 COUNTRY Canada
 DATE LOGGED 16/Jan/77
 DEPTH SCALE 1:25
 OF LOGS

BOREHOLE DATA REFER TO LITHOLOGY LOG
 OPERATION DATA REFER TO LITHOLOGY LOG
 EQUIPMENT AND RECORDING DATA
 TOTAL COMBINATION SONDE

LOG TYPING NAME CODE
 LOG RECORDED BY SPEED SECS. MONITOR
 CALIPER 5 20/71 5 20/71 1
 BREAKPOINT Y 20/71 5 20/71 3 20/71 2

SONDE TYPE
 COAL
 COMBINATION
 SONDE

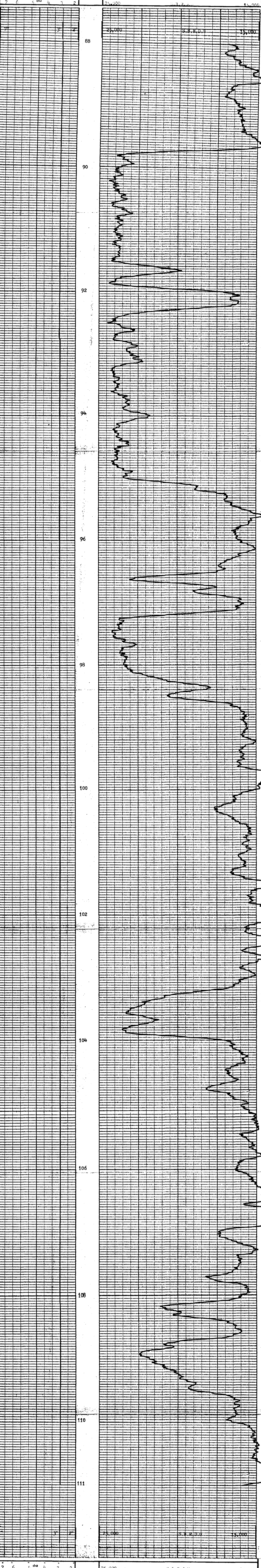
LOG SUITE
 CALIPER
 BR DENSITY

SEAM THICKNESS LOG INTERVALS

FROM	111.0m	
TO	112.0m	
INTERVAL	1.0m	
FROM		INTERVAL
TO		TOTAL
INTERVAL		4.2m

REMARKS

B P B SEAM THICKNESS LOG



CALIPER INCHES	DEPTH	BED RESOLUTION DENSITY
7 6 5 4 3 2	25.000	15.000

BOREHOLE TWP 30-31R
 CLIENT Crown-Neat Resources Ltd.
 AREA Tulkoma B-2
 COUNTRY Canada

SEAM THICKNESS LOG



1K-15URWA 8363A

239



Gamma Ray & Neutron Logs

BOREHOLE 120-30-314

CLIENT Omega Kent Resources Ltd.

AREA Delaware B.S.

COUNTRY Canada

DATE LOGGED 12/27/73

DEPTH SCALE 1 OF 100S

BOREHOLE DATA REFER TO Lithology LOG

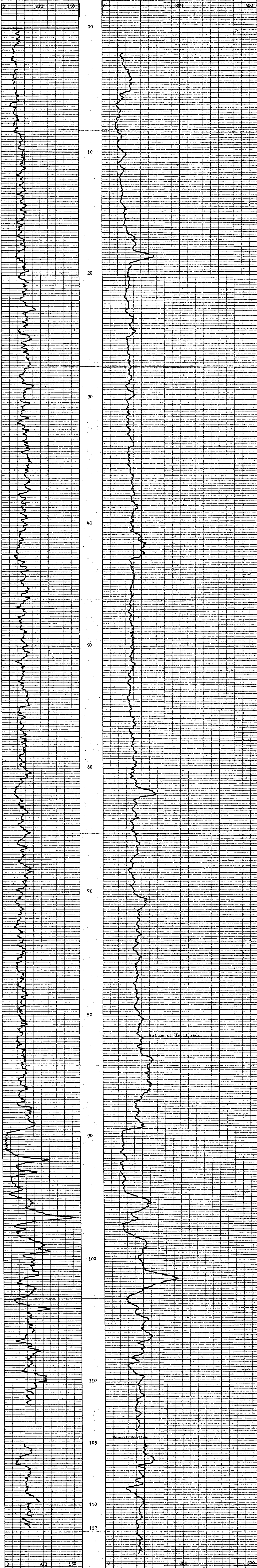
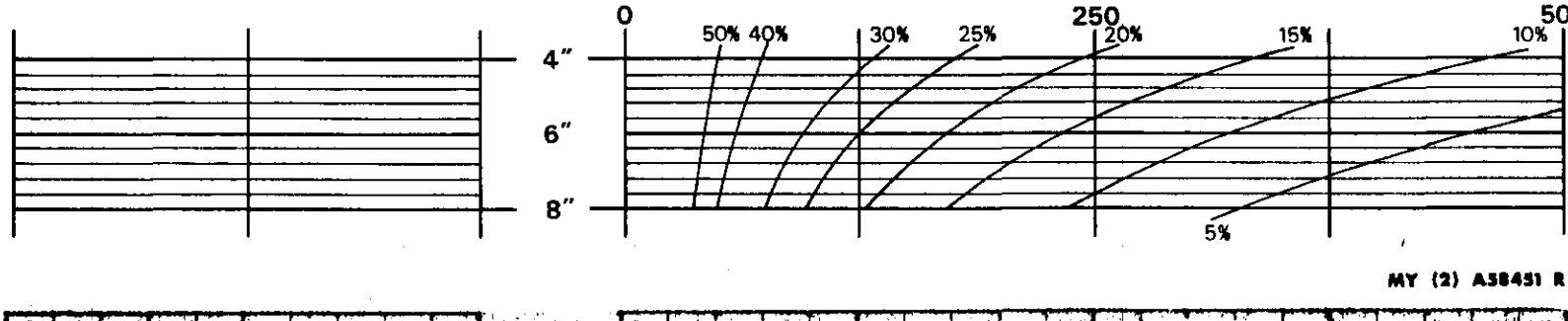
OPERATION DATA REFER TO Lithology LOG

EQUIPMENT AND RECORDING DATA

LOG	TAPPING	RECORDING SPEED	PANEL	DATE
LOG	RECORDING SPEED	PANEL	DATE	

REMARKS

DEPTH	0	25	50
-------	---	----	----



DEPTH	0	50	100	150
-------	---	----	-----	-----



BOREHOLE 120-30-314

CLIENT Omega Kent Resources Ltd.

AREA Delaware B.S.

COUNTRY Canada

1c - Teruma 83(3)h

239



BOREHOLE _____ 318 (S)
 CLIENT _____

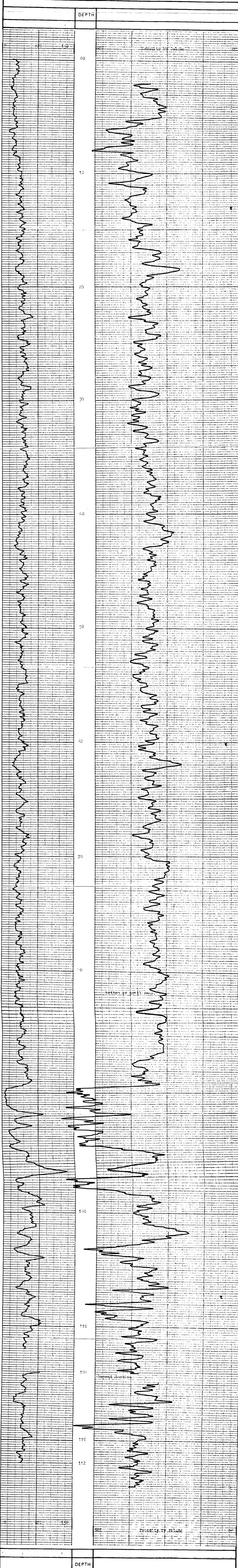
AREA _____ DEPTH SCALE _____
 COUNTRY _____ OF LOGS _____
 DATE LOGGED _____

BOREHOLE DATA REFER TO _____ LOG
 OPERATION DATA REFER TO _____ LOG

EQUIPMENT AND RECORDING DATA

LOG	TAPPING	PANEL	COL
	LOGS	RECORDING SPEED	1 C NORM
	TAPER	SPEED	SECS

REMARKS



BOREHOLE _____ AREA _____
 CLIENT _____ COUNTRY _____

DEPTH



K-Tekuma 83/37A

239



BOREHOLE _____

CLIENT _____

AREA _____

COUNTRY _____

DATE LOGGED _____

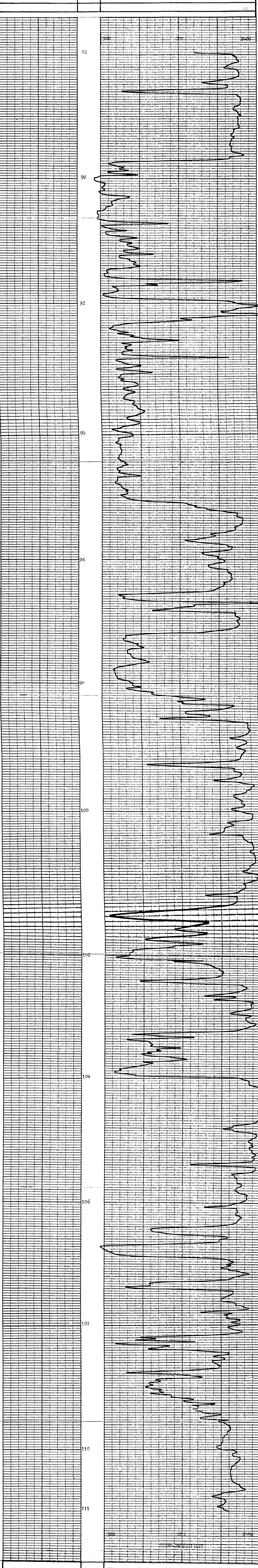
BOREHOLE DATA REFER TO _____

OPERATION DATA REFER TO _____

EQUIPMENT AND RECORDING DATA

LOGS _____

REMARKS _____

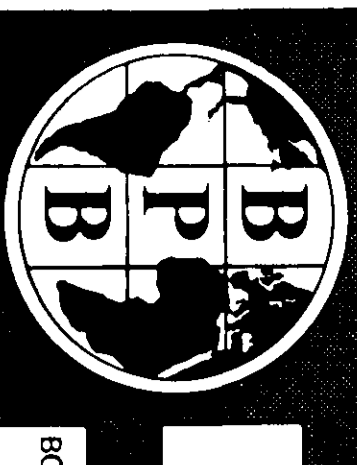


BOREHOLE _____
CLIENT _____

AREA _____
COUNTRY _____

1K-15554 83/3A

239



BOREHOLE _____

CLIENT _____

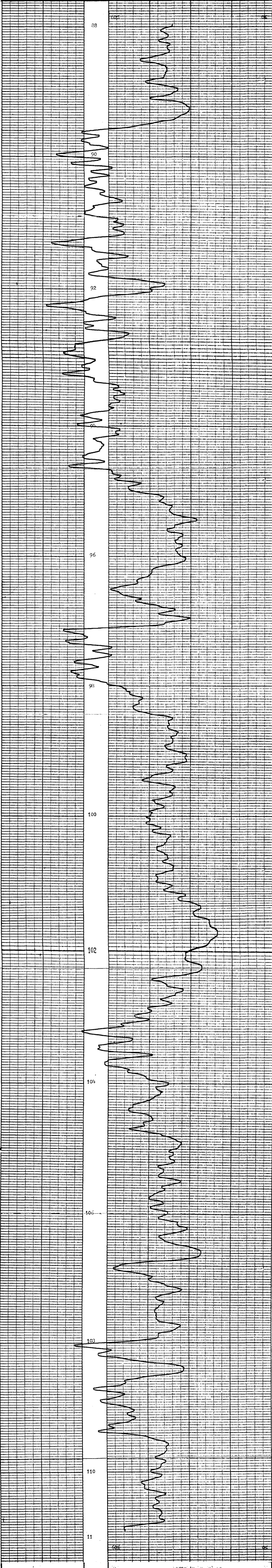
AREA _____

BOREHOLE DATA REFER TO _____ LOG

EQUIPMENT AND RECORDING DATA

REMARKS

LOG	TYPING	PANEL	TAPE
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____



BOREHOLE _____	AREA _____
CLIENT _____	COUNTRY _____



1K-1 Eureka 83(5)A

239



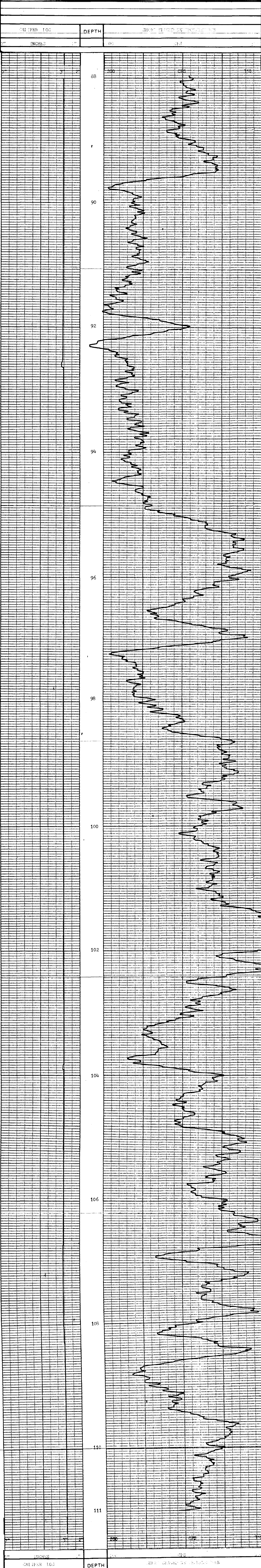
DETAILED LOG FOR
 Street-Served Water/Wastewater For
 and Lines To

BOREHOLE W-3-18 (B)
 CLIENT Green Heat Resources Ltd.

AREA Levack B.C.
 COUNTRY Canada
 DATE LOGGED 1/10/77

BOREHOLE DATA REFER TO: FILE 057 LOG
 OPERATION DATA REFER TO: SHEET 057 LOG
 EQUIPMENT AND RECORDING DATA

LOG	TAPPING	PANEL	DATE
LOG	RECORDING SPEED	T.C.	NO. OF LOGS
TAPED	SPEED	RECORDING	NO. OF LOGS
1	48/7	B	1
2	48/7	B	1
3	48/7	B	1
4	48/7	B	1
5	48/7	B	1
6	48/7	B	1
7	48/7	B	1
8	48/7	B	1
9	48/7	B	1
10	48/7	B	1
11	48/7	B	1
12	48/7	B	1
13	48/7	B	1
14	48/7	B	1
15	48/7	B	1
16	48/7	B	1
17	48/7	B	1
18	48/7	B	1
19	48/7	B	1
20	48/7	B	1
21	48/7	B	1
22	48/7	B	1
23	48/7	B	1
24	48/7	B	1
25	48/7	B	1
26	48/7	B	1
27	48/7	B	1
28	48/7	B	1
29	48/7	B	1
30	48/7	B	1
31	48/7	B	1
32	48/7	B	1
33	48/7	B	1
34	48/7	B	1
35	48/7	B	1
36	48/7	B	1
37	48/7	B	1
38	48/7	B	1
39	48/7	B	1
40	48/7	B	1
41	48/7	B	1
42	48/7	B	1
43	48/7	B	1
44	48/7	B	1
45	48/7	B	1
46	48/7	B	1
47	48/7	B	1
48	48/7	B	1
49	48/7	B	1
50	48/7	B	1
51	48/7	B	1
52	48/7	B	1
53	48/7	B	1
54	48/7	B	1
55	48/7	B	1
56	48/7	B	1
57	48/7	B	1
58	48/7	B	1
59	48/7	B	1
60	48/7	B	1
61	48/7	B	1
62	48/7	B	1
63	48/7	B	1
64	48/7	B	1
65	48/7	B	1
66	48/7	B	1
67	48/7	B	1
68	48/7	B	1
69	48/7	B	1
70	48/7	B	1
71	48/7	B	1
72	48/7	B	1
73	48/7	B	1
74	48/7	B	1
75	48/7	B	1
76	48/7	B	1
77	48/7	B	1
78	48/7	B	1
79	48/7	B	1
80	48/7	B	1
81	48/7	B	1
82	48/7	B	1
83	48/7	B	1
84	48/7	B	1
85	48/7	B	1
86	48/7	B	1
87	48/7	B	1
88	48/7	B	1
89	48/7	B	1
90	48/7	B	1
91	48/7	B	1
92	48/7	B	1
93	48/7	B	1
94	48/7	B	1
95	48/7	B	1
96	48/7	B	1
97	48/7	B	1
98	48/7	B	1
99	48/7	B	1
100	48/7	B	1
101	48/7	B	1
102	48/7	B	1
103	48/7	B	1
104	48/7	B	1
105	48/7	B	1
106	48/7	B	1
107	48/7	B	1
108	48/7	B	1
109	48/7	B	1
110	48/7	B	1
111	48/7	B	1
112	48/7	B	1
113	48/7	B	1
114	48/7	B	1
115	48/7	B	1
116	48/7	B	1
117	48/7	B	1
118	48/7	B	1
119	48/7	B	1
120	48/7	B	1



BOREHOLE W-3-18 AREA Levack B.C.
 CLIENT Green Heat Resources Ltd. COUNTRY Canada





DIPMETER ANALYSIS

239

CLIENT _____
BOREHOLE _____
AREA _____
COUNTRY _____

CROWS NEST RESOURCES
TW 83D-318 (9)
TELKWA, B.C.
CANADA

1K-TELKWA 83(3)A

DATE LOGGED.....16-JUN-83
DATE PROCESSED...07-JUL-83



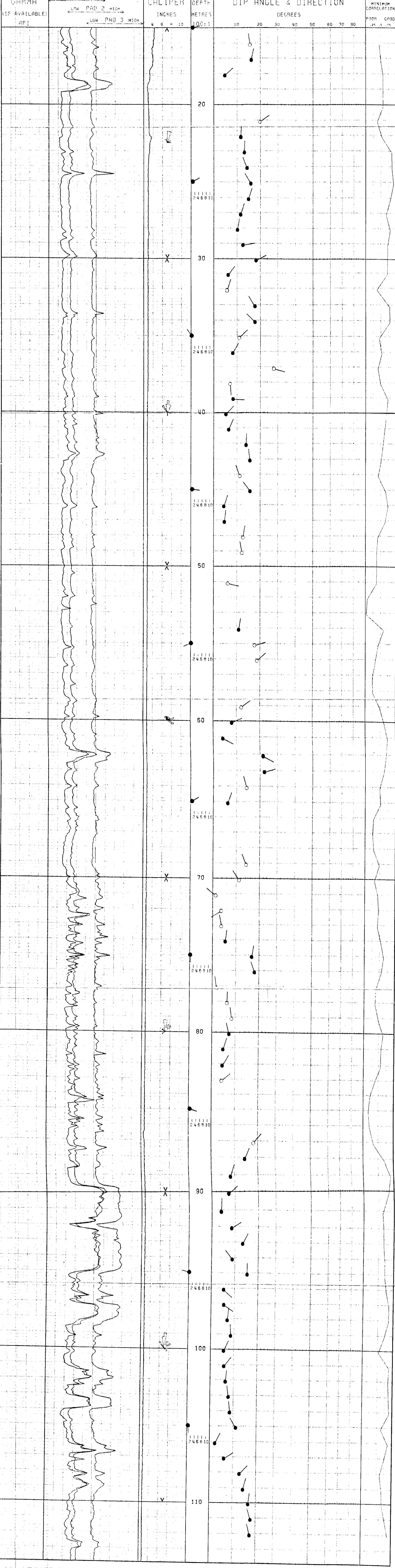
COMMENTS.....

INTERPRETATION PARAMETERS

STEP 1.00M. DECLINATION 26.0 EAST
INTERVAL 2.00M. DEPTH RANGE 15.00 - 113.90M.
SEARCH ANGLE 50. DATE PROCESSED 07-JUL-83

AVERAGE BOREHOLE DEVIATION & DIRECTION
ANNOTATED EVERY 10.0M.
ROSE DIAGRAMS SEGMENTED EVERY TEN DEGREES.
.1" RADII'S PER DIP MARKER DISPLAYED

LEGEND:
● GOOD (>0.50)
○ FAIR (>0.30)



14-1-16-83 (3)A

239



LM 83D-319 Feb

GAMMA RAY & G.S. DENSITY
(19 FOLDS)

BOREHOLE TM-83D-319 (2)

CLIENT Crow's Nest Resources

AREA Teliwa B.C. DEPTH SCALE 100:1

COUNTRY Canada

DATE LOGGED 18 Feb 83 LOG FOGS

PERMANENT DATA GEOPHYSICAL

ELEVATION OF P.D. B.P.B. DRILLER G.I.

MAGNETIC RECORD 77.8m.

DEPTH REACHED 75.3m.

CASING SHOE

BIT SIZES 1 1/2" TO 1 1/4" TO 1 1/8" TO 3/4" TO 1/2" TO 1/4" TO 3/16" TO 1/8" TO 1/16" TO

CASING SIZES 1 1/2" TO 1 1/4" TO 1 1/8" TO 3/4" TO 1/2" TO 1/4" TO 3/16" TO 1/8" TO 1/16" TO

FLUID DATA

NATURE Super Geol. X & Water

SG

LEVEL

VISCOSITY

PH T

OPERATION DATA

FIRST READING 7.6m.

LAST READING 7.6m.

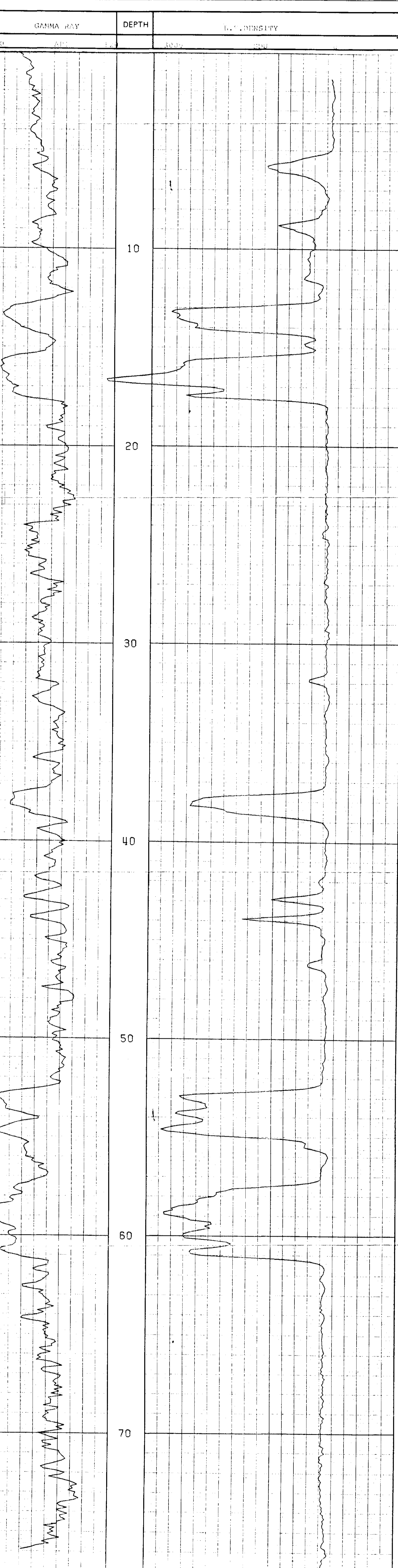
UNIT - TRUCK NO. 26/217

ENGINEER CAVENDISH / BISHOP

WITNESSES

EQUIPMENT AND RECORDING DATA													
LOG	EQUIPMENT			TAPING			PANEL		CAL. COEFF.	DEPTHS			
	SONDE	SOURCE	CALIBRATOR	LOG TAPED	RECORD SPEED	DIRECT REPLAY	SPEED	T.C. SECS		NORM	FROM	TO	INTERVAL
Gamma	160B	5863		Y	9	R	9	1		1.61		76	Y
LSD	160B	5863		Y	9	R	9	1 1/2	7.88			76	Y

ADDITIONAL SONDES RUN				REFER TO ADDITIONAL HEADINGS	REMARKS
SONDE	LOG	GENERAL SCALE LOG	DETAIL SCALE LOG		
504	DSM	1:100			Hole collapsed - no open hole logs



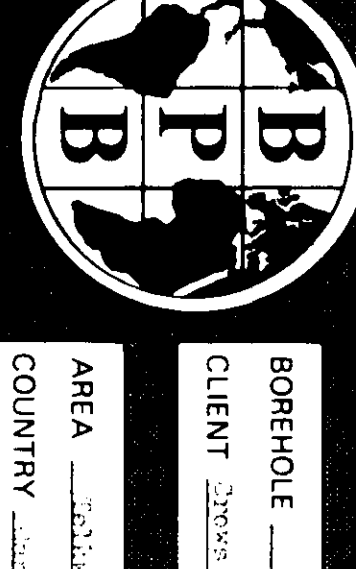
BOREHOLE TM-83D-319 AREA Teliwa B.C.

CLIENT Crow's Nest Resources COUNTRY Canada



1K-1 Lukma 53(3)A

239



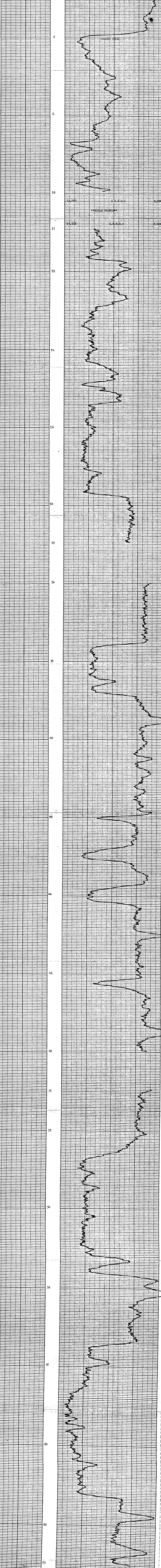
BOREHOLE 1K-1-319 (3)
 CLIENT Zenon Steel Industries Ltd.
 AREA Canada
 COUNTRY Canada
 DATE LOGGED 11/27/02
 REFERENCE LOGS 201-1-1005

SEAM THICKNESS LOG
 BOREHOLE DATA REFER TO LHMAL001 LOG
 OPERATION DATA REFER TO LHMAL001 LOG
 EQUIPMENT AND RECORDING DATA
 COAL COMBINATION SOURCE
 LOG TYPING MANUAL
 LOGGING LOG
 CALIPER 1000
 BREAKING AND CALIBRATION 201-1-1005
 SEAM THICKNESS LOG

SONDE TYPE
 COAL
 COMBINATION
 SONDE
 LOG SUITE
 CALIPER
 BR DENSITY
 REMARKS

B P B SEAM THICKNESS LOG

CALIPER INCHES DEPTH BED RESOLUTION DENSITY



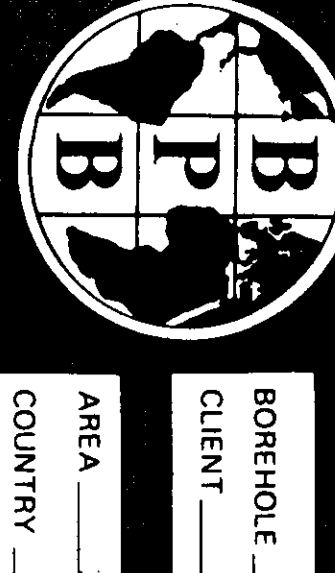
CALIPER INCHES DEPTH BED RESOLUTION DENSITY

BOREHOLE 1K-1-319 AREA Canada
 CLIENT Zenon Steel Industries Ltd. COUNTRY Canada
SEAM THICKNESS LOG



1 K - 1 Eureka 853A

239

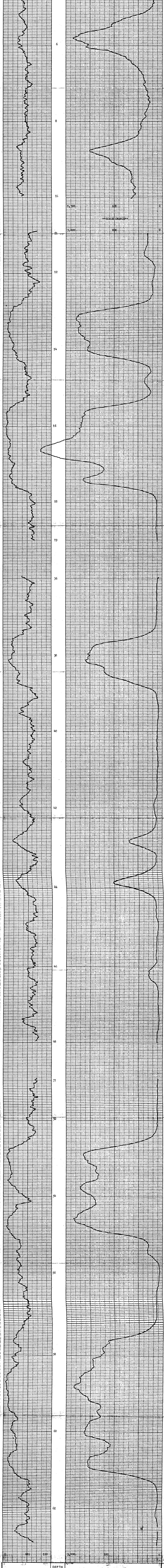


BOREHOLE 1 K - 1 Eureka 853A
 CLIENT Crown-Neft Resources Ltd.
 AREA Alberta DEPTH SCALE 1:20
 COUNTRY Canada DATE LOGGED 11/27/83 OF 4 LOGS

COAL QUALITY LOG
 BOREHOLE DATA REFER TO LITHOLOGY LOG
 OPERATION DATA REFER TO LITHOLOGY LOG
 EQUIPMENT AND RECORDING DATA
 COAL COMBINATION SOURCE
 SIDEWALL POSITION
 LOG NO. 100 TAPPING PANEL 100
 CORE NO. 100 SECTION 100 SECTION 100
 SAMPLE NO. 100 SECTION 100 SECTION 100
 SOURCE, SOURCE # AND CALIBRATION
 REFER TO LITHOLOGY LOG

SONDE TYPE _____
 COAL COMBINATION _____
 SONDE _____
 LOG SUITE:
 GAMMA RAY _____
 LS DENSITY _____

B P B COAL QUALITY LOG



1 K - Terkwa 8357A

239



Station No. 8357A/Part 107

BOREHOLE 119 (S)

CLIENT Trans West Resources Ltd.

AREA Malawi

COUNTRY Malawi

DATE LOGGED 4/10/72

DEPTH SCALE 1:100

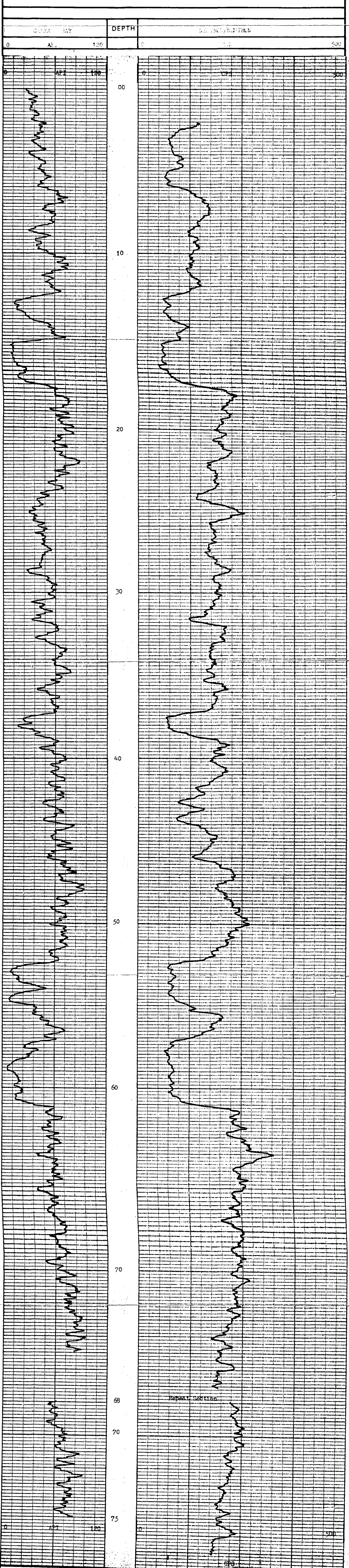
BOREHOLE DATA REFER TO 119 LOG

OPERATION DATA REFER TO 119 LOG

EQUIPMENT AND RECORDING DATA

LOG	TAPING	PANEL	DATE
LOG	RECORDING	SPEED	100 IN/MIN
TAPE	SPEED	REEL	1
NO.	NO.	NO.	1
NO.	NO.	NO.	1
NO.	NO.	NO.	1

REMARKS
Please note that the log is for the results of the test run. It does not include the results of the test run.



GAMMA RAY	DEPTH	NEUTRON POROSITY
0	0	0
120	120	500

BOREHOLE 119 AREA Malawi
 CLIENT Trans West Resources Ltd. COUNTRY Malawi



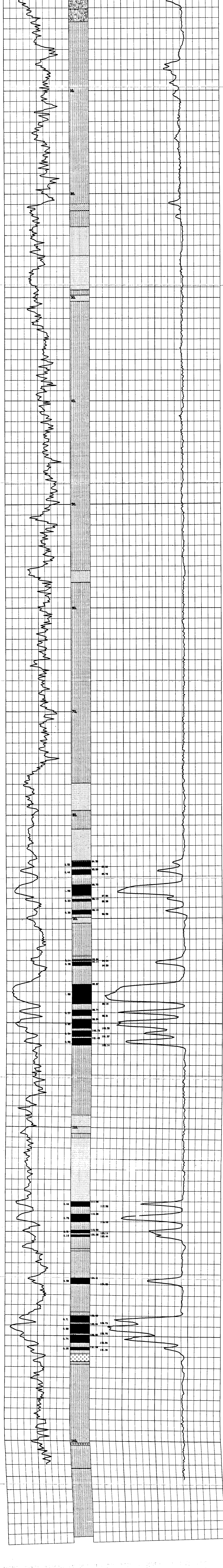
TELKWA 836h





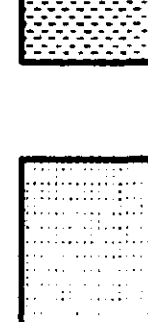
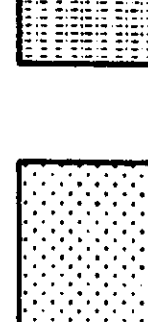
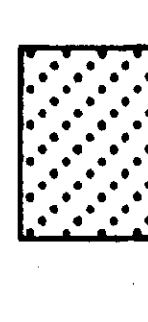

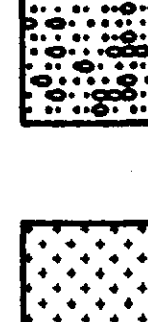

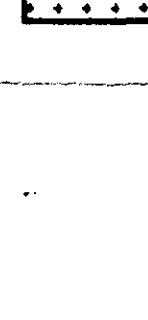
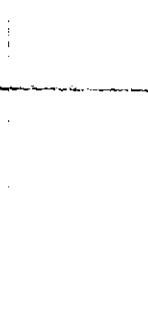



239

TELKWA PROJECT

DRILL HOLE #320 ①

GAMMA API 120. 3000. DENSITY SCU .00



- | | | | |
|---|--------------------|---|---------|
|  | LOOSE OVERBURDEN |  | COAL |
|  | SHALEY COAL |  | CARB/SH |
|  | COALY SH |  | SH |
|  | MUDSTONE |  | SILT |
|  | SANDSTONE (FINE) |  | SSE |
|  | SANDSTONE (COARSE) |  | SCA |
|  | CONGLOMERATE |  | IRST |
|  | IGNEOUS | | |

1K-1674 83(51A)

239



BOREHOLE TW02-320
 CLIENT Corona West Resources Ltd.
 AREA Tekoa S.D.
 COUNTRY Canada
 DATE LOGGED 19/Jan/23
 DEPTH SCALE 1:50
 SCALE 2.0" = 1.00S

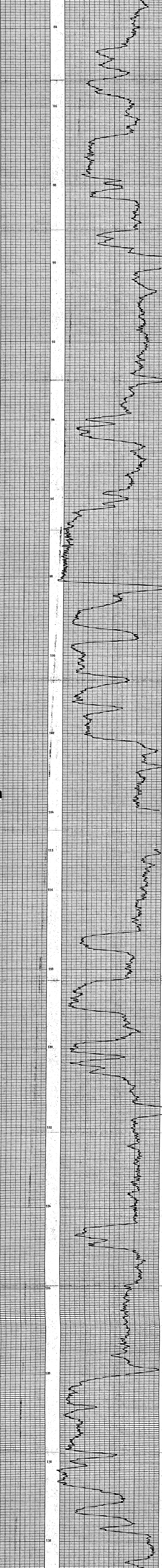
SEAM THICKNESS LOG

BOREHOLE DATA REFER TO LITHOLOGY LOG
 OPERATION DATA REFER TO LITHOLOGY LOG
 EQUIPMENT AND RECORDING DATA
 COAL COMBINATION SOURCE
 LOG TYPING MANTEL POSITION
 CALIPER 1.00 RESISTIVITY 100 SPEED 300 RPM
 CALIBER Y 20/18 3 20/18 3 20/18 3 20/18 3
 SOURCE BOREHOLE AND CALIBRATION
 REFER TO LITHOLOGY LOG

SONDE TYPE _____
 COAL COMBINATION _____
 SONDE _____
 LOG SUITE _____
 CALIPER _____
 B.D. DENSITY _____

DEPTH 1.11.00 1.02.00
 FROM 1.11.00 21.00
 INTERVAL 1.11.00 21.00
 TOTAL _____
 INITIAL _____
 REMARKS
 1. NUMBER ABOVE UNIVERSAL SCALE IS CORRECTABLE
 2. CALIPER AND RESISTIVITY CALIBER LOG IS NOT
 3. SPANDED

B P B SEAM THICKNESS LOG



CALIPER (inches)	DEPTH	BED RESOLUTION DENSITY
	115.000	1.500

SEAM THICKNESS LOG

BOREHOLE TW02-320 AREA Tekoa S.D.
 CLIENT Corona West Resources Ltd. COUNTRY Canada



1 K - 1 ELKWA 82 (5A)
239



Gamma Ray & Neutron/Neutron Log

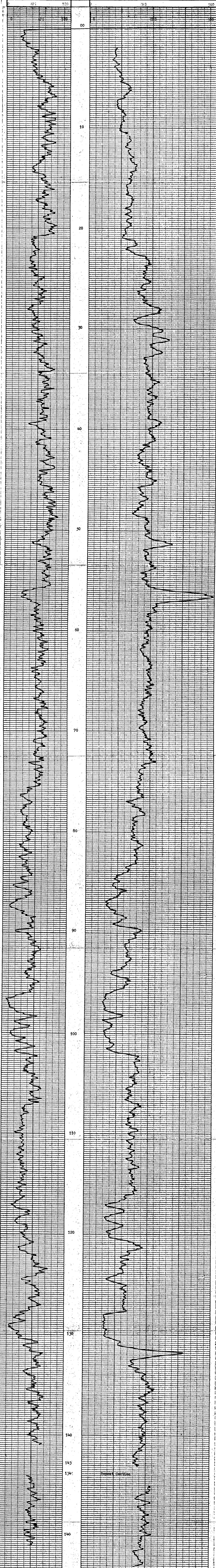
BOREHOLE 1K-320
CLIENT Crows Nest Resources Ltd.

AREA 1 ELKWA E.C.
COUNTRY Canada
DATE LOGGED 12/Nov/83

BOREHOLE DATA refer to lithology LOG
OPERATION DATA refer to lithology LOG
EQUIPMENT AND RECORDING DATA

LOG	TRACING	SCALE	UNIT	DATE
Gamma	Y	96/75	CP	1 - 53
Neutron	Y	96/75	CP	1 - 53

REMARKS
Please note the unusual scale to compensate for drill rod effects. The N/A log is computed in situ and is therefore uncorrected.



LOG	TRACING	SCALE	UNIT	DATE
Gamma	Y	96/75	CP	1 - 53
Neutron	Y	96/75	CP	1 - 53

BOREHOLE 1K-320 AREA 1 ELKWA E.C.
CLIENT Crows Nest Resources Ltd. COUNTRY Canada



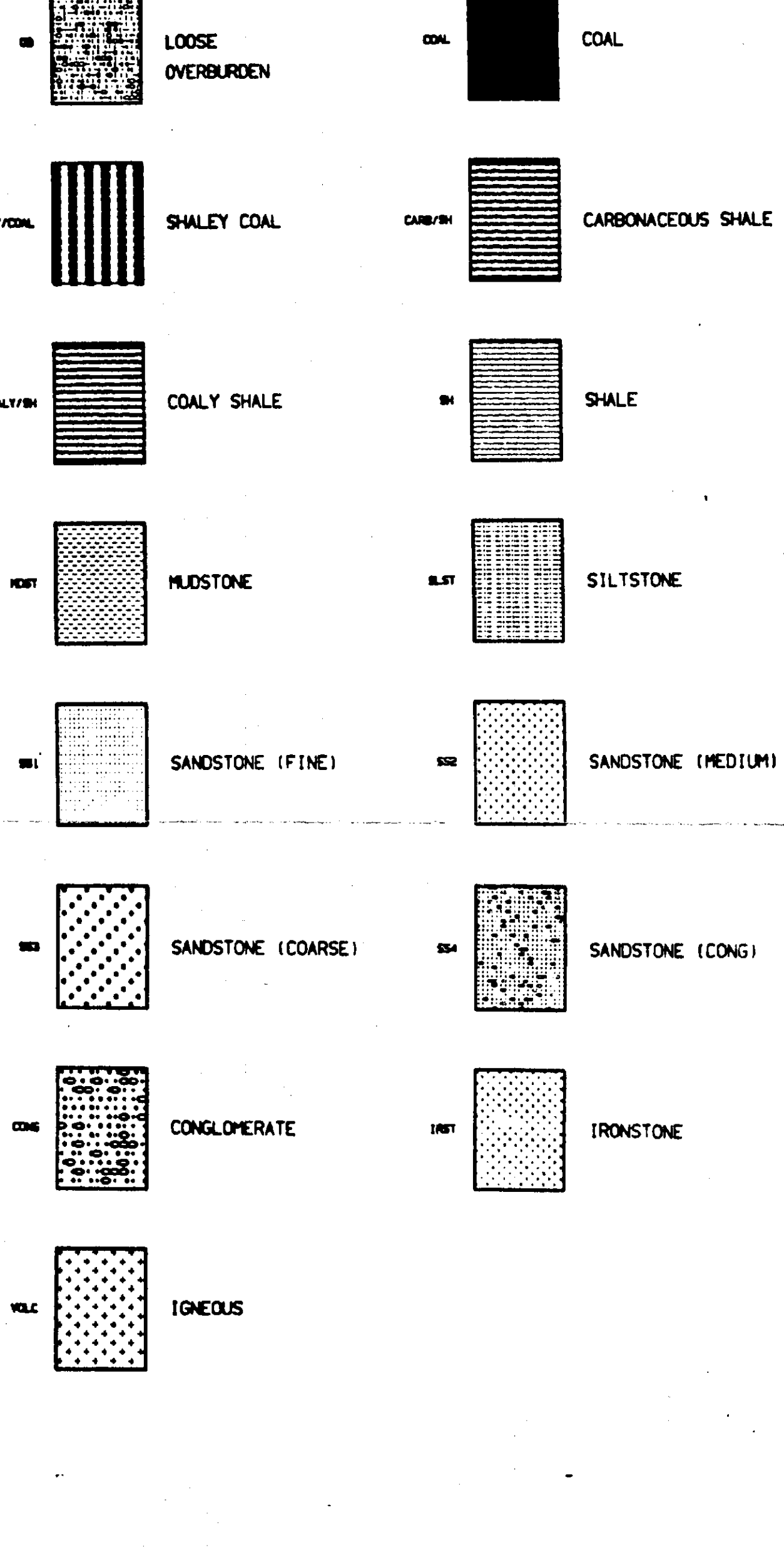
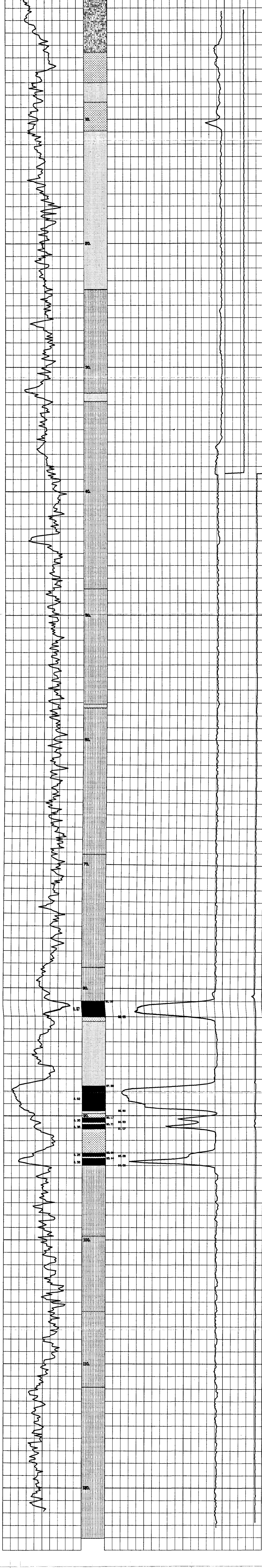
MT A384528

TELKWA PROJECT

DRILL HOLE #321 ①

GAMMA API 150. DENSITY SCU 6000. CALIPER INCHES .00 7.00 2.00

239
1X-TELKWA 83570



1K-1Eukwa 83(5)A

239



BOREHOLE 1#30-321 (2)
 CLIENT Lions Nest Resources Ltd.

AREA Telkwa B.C.
 COUNTRY Canada
 DATE LOGGED 20/Jan/83

DEPTH SCALE
 1:20
 2 OF 5 LOGS

BOREHOLE DATA REFER TO LITHOLOGY LOG
 OPERATION DATA REFER TO LITHOLOGY LOG

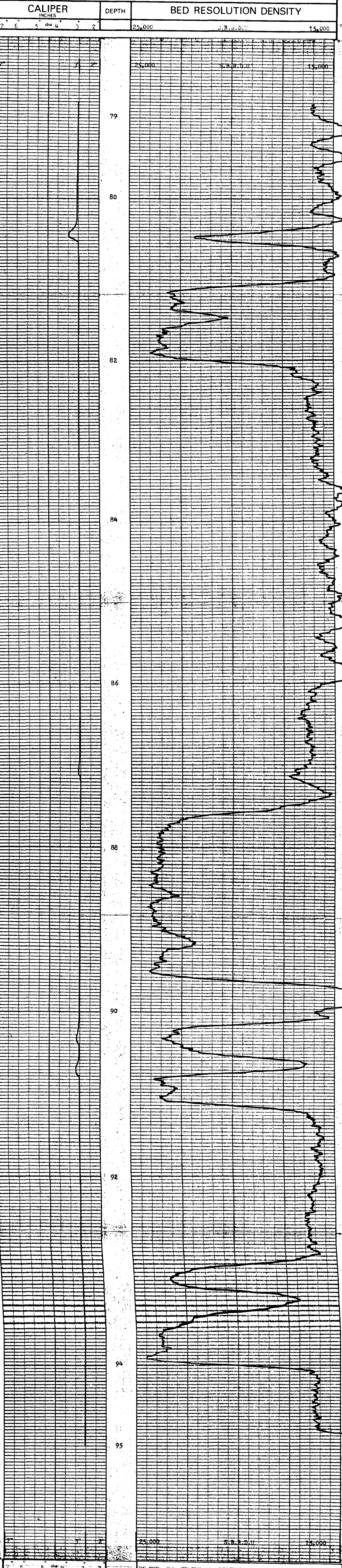
EQUIPMENT AND RECORDING DATA
 COAL COMBINATION SONDE

SEAM THICKNESS LOG

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

LOG	TAPING	SIDEWALL POSITION	COAL
LOG RECORDING RATE	TYPE		
TABO. SPEED	RECORD SPEED	SECS. NORM	
CALIPER	Y	Z	W
BR DENSITY	X	2m/m	1
		2m/m	3
		2m/m	4
		2m/m	5
		2m/m	6
		2m/m	7
		2m/m	8
		2m/m	9
		2m/m	10
		2m/m	11
		2m/m	12
		2m/m	13
		2m/m	14
		2m/m	15
		2m/m	16
		2m/m	17
		2m/m	18
		2m/m	19
		2m/m	20
		2m/m	21
		2m/m	22
		2m/m	23
		2m/m	24
		2m/m	25
		2m/m	26
		2m/m	27
		2m/m	28
		2m/m	29
		2m/m	30
		2m/m	31
		2m/m	32
		2m/m	33
		2m/m	34
		2m/m	35
		2m/m	36
		2m/m	37
		2m/m	38
		2m/m	39
		2m/m	40
		2m/m	41
		2m/m	42
		2m/m	43
		2m/m	44
		2m/m	45
		2m/m	46
		2m/m	47
		2m/m	48
		2m/m	49
		2m/m	50
		2m/m	51
		2m/m	52
		2m/m	53
		2m/m	54
		2m/m	55
		2m/m	56
		2m/m	57
		2m/m	58
		2m/m	59
		2m/m	60
		2m/m	61
		2m/m	62
		2m/m	63
		2m/m	64
		2m/m	65
		2m/m	66
		2m/m	67
		2m/m	68
		2m/m	69
		2m/m	70
		2m/m	71
		2m/m	72
		2m/m	73
		2m/m	74
		2m/m	75
		2m/m	76
		2m/m	77
		2m/m	78
		2m/m	79
		2m/m	80
		2m/m	81
		2m/m	82
		2m/m	83
		2m/m	84
		2m/m	85
		2m/m	86
		2m/m	87
		2m/m	88
		2m/m	89
		2m/m	90
		2m/m	91
		2m/m	92
		2m/m	93
		2m/m	94
		2m/m	95
		2m/m	96
		2m/m	97
		2m/m	98
		2m/m	99
		2m/m	100

B P B SEAM THICKNESS LOG



CALIPER INCHES	DEPTH	BED RESOLUTION DENSITY
7	25,000	S.B.R.D.U.
6		15,000
5		
4		
3		
2		



BOREHOLE 1#30-321 AREA Telkwa B.C.
 CLIENT Crows Nest Resources Ltd. COUNTRY Canada

SEAM THICKNESS LOG

1 X - Furka 8363a

239



BOREHOLE _____ 321 (4)

CLIENT _____

AREA _____

COUNTRY _____

DATE LOGGED _____

BOREHOLE DATA REFER TO _____ LOC _____

OPERATION DATA REFER TO _____ LOC _____

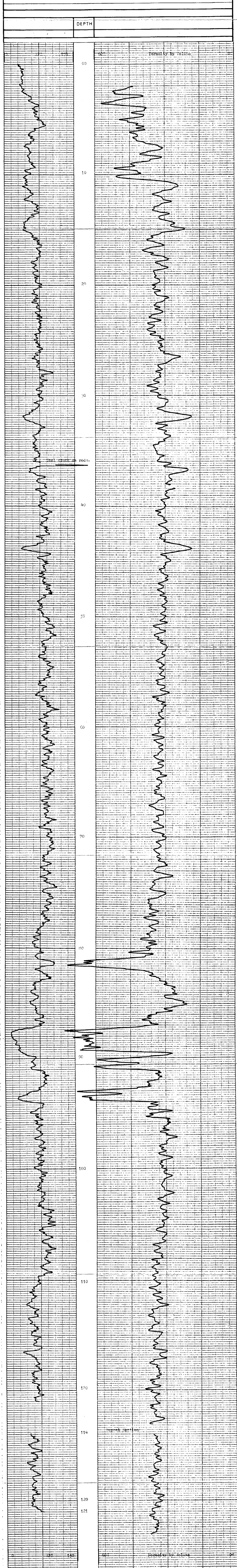
EQUIPMENT AND RECORDING DATA

LOG _____ TAPPING _____ PANEL _____

LOG RECORDING SPEED _____

TAPE SPEED REFLECTS _____

REMARKS _____



BOREHOLE _____ AREA _____

CLIENT _____ COUNTRY _____

1K-15150 8367h

239



Form 107 - New Jersey, 1967 Edition

BOREHOLE 151-21 (5)

CLIENT Atlantic Richfield Company, Inc.

AREA Delaware

COUNTRY USA

DATE LOGGED 2/21/68

BOREHOLE DATA REFER TO: 151-21 LOG

OPERATION DATA REFER TO: 151-21 LOG

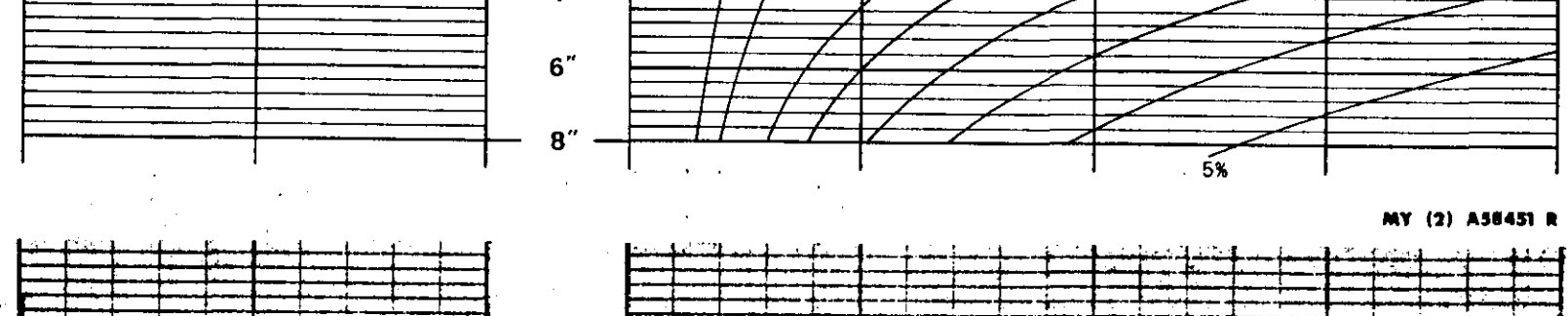
EQUIPMENT AND RECORDING DATA

LOG	TYPING	PANEL	DATE	BY
LOG	RECORDED	SPEED	100	100
LOG	RECORDED	SPEED	100	100
LOG	RECORDED	SPEED	100	100
LOG	RECORDED	SPEED	100	100
LOG	RECORDED	SPEED	100	100

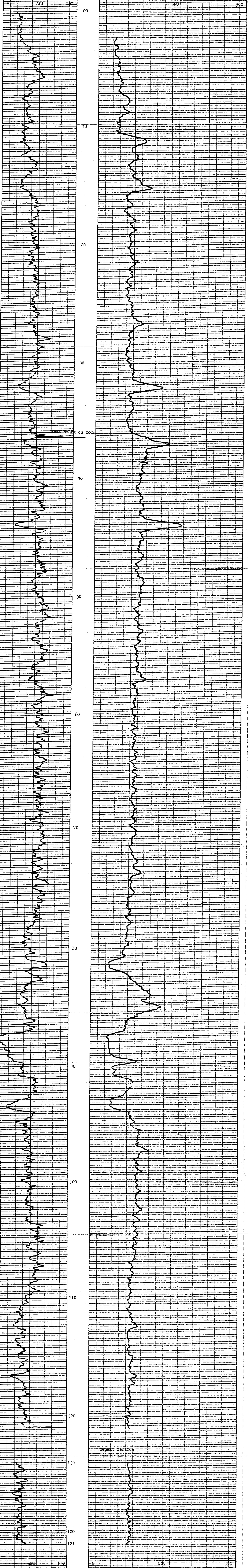
REMARKS

DEPTH	LOG	LOG	LOG	LOG
0	151	21	5	100

SANDSTONE POROSITY



MY (2) A58452 R



DEPTH	LOG	LOG	LOG	LOG
0	151	21	5	100



BOREHOLE 151-21

AREA Delaware

CLIENT Atlantic Richfield Company, Inc.

COUNTRY USA

TELKWA PROJECT 239

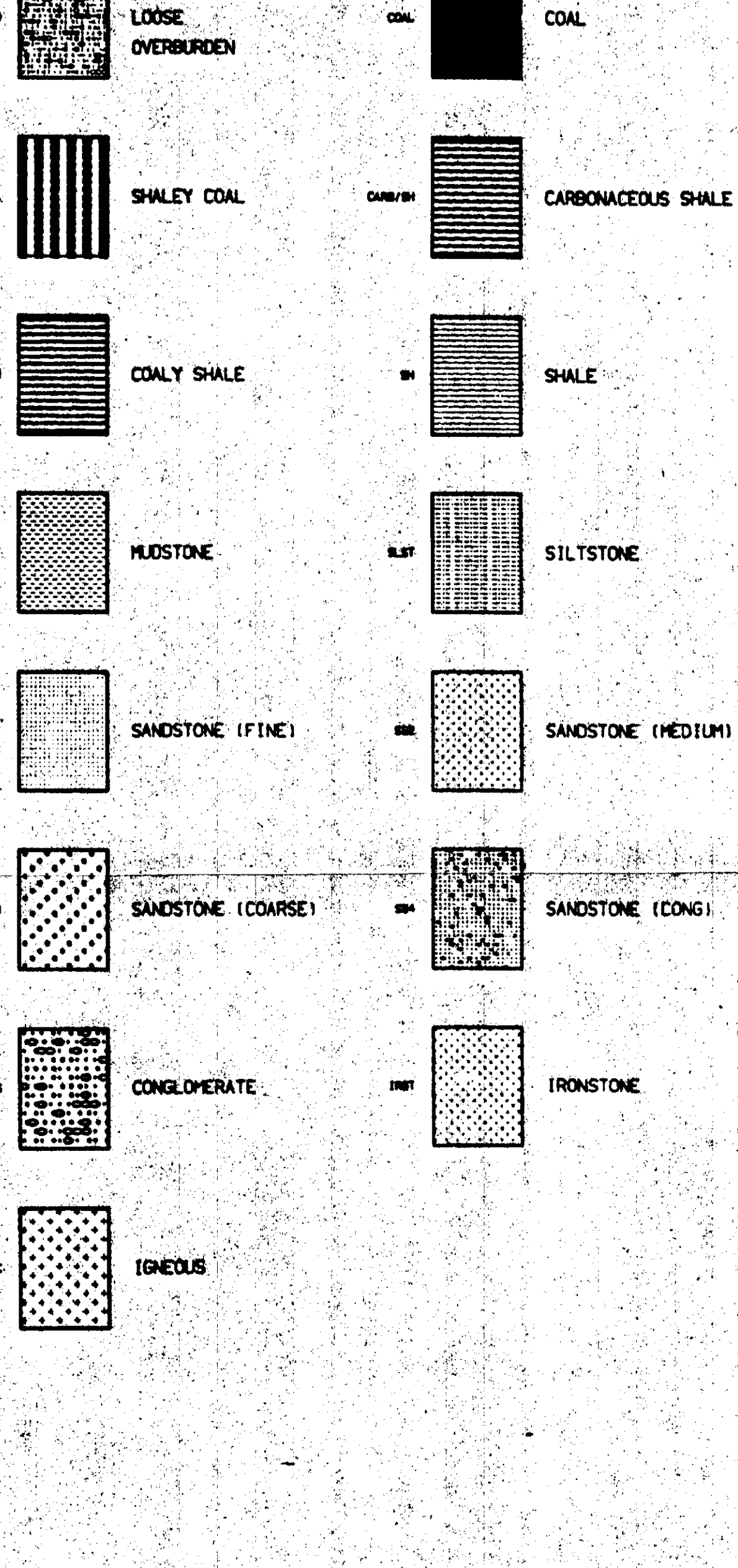
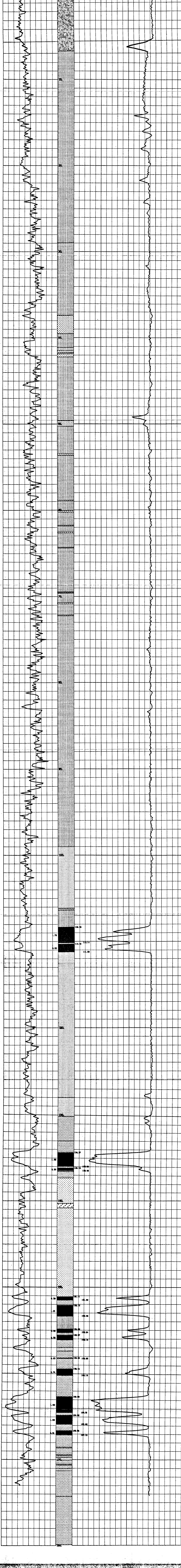
DRILL HOLE #322 ①

GAMMA
API

DENSITY
SGU



TK-TELKWA 831A



1K-LEXUMA 83(3)A

239



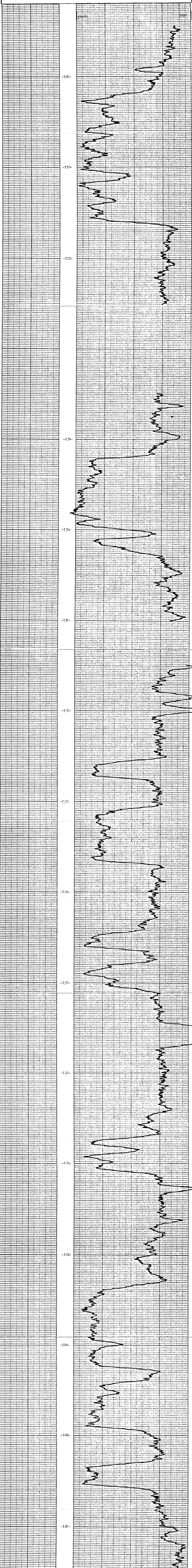
BOREHOLE _____ 322 (2)
 CLIENT _____
 AREA _____
 DEPTH SCALE _____
 COUNTRY _____
 DATE LOGGED _____

SEAM THICKNESS LOG

BOREHOLE DATA REFER TO LITHOLOGY LOG
 OPERATION DATA REFER TO LITHOLOGY LOG
 EQUIPMENT AND RECORDING DATA
 COAL COMBINATION SONDE
 LOG _____
 TAPPING _____
 CALIPER _____
 BRINKSON _____

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

B P B SEAM THICKNESS LOG



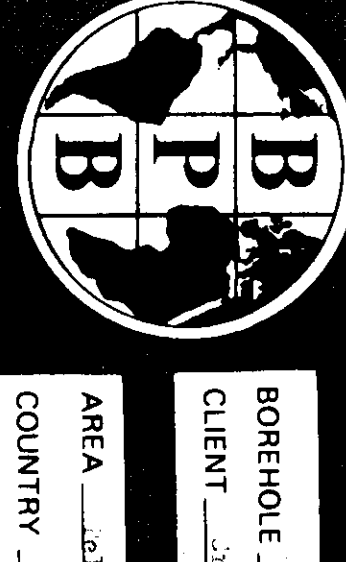
CALIPER _____ INCHES
 DEPTH _____
 BED RESOLUTION DENSITY _____



BOREHOLE _____
 CLIENT _____
 AREA _____
 COUNTRY _____
SEAM THICKNESS LOG

15-151515 83/515

239



COAL QUALITY LOG

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

BOREHOLE No. 322 (3)
 CLIENT James Neal, Toronto, Ontario, Canada
 AREA Alberta, Canada BOREHOLE NO. _____
 COUNTRY Canada DEPTH _____
 DATE LOGGED 11/11/73 OF 3 LOGS

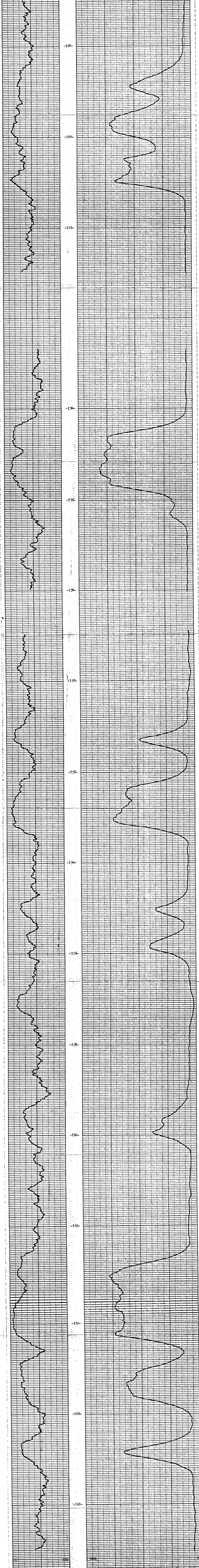
BOREHOLE DATA Refer to Lithology Log
 OPERATION DATA Refer to Lithology Log
 EQUIPMENT AND RECORDING DATA
 COAL COMBINATION SOURCE SIDEWALL POSITION
 LOG _____ PANEL _____ COAL _____

LOG NO. _____ TANNING _____
 CORE NO. _____ SPEED _____
 SOURCE SONDE AND CALIBRATION _____

COAL QUALITY LOG INTERVALS
 FROM 52.00 TO 11.20
 INTERVAL FROM _____ TO _____
 INTERVAL FROM _____ TO _____
 INTERVAL FROM _____ TO _____

REMARKS _____

B P B COAL QUALITY LOG



DEPTH _____ L.S DENSITY _____

BOREHOLE No. 322 AREA Alberta, Canada
 CLIENT James Neal, Toronto, Ontario, Canada COUNTRY Canada

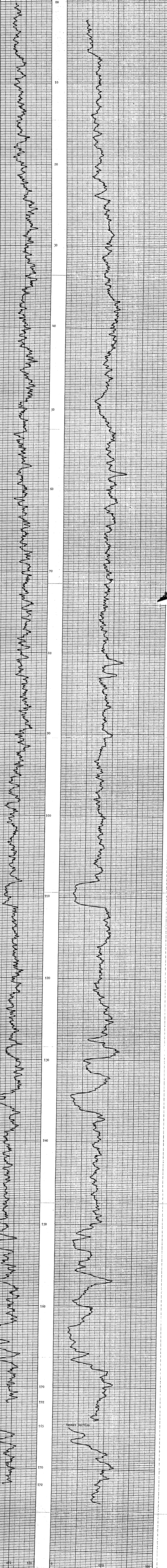
COAL QUALITY LOG



239



BOREHOLE: 322 (4)
 CLIENT:
 AREA:
 COUNTRY:
 DATE LOGGED:
 DEPTH SCALE:
 BOREHOLE DATA REFER TO: 11-10-1977 LOG
 OPERATION DATA REFER TO: 11-10-1977 LOG
 EQUIPMENT AND RECORDING DATA
 LOG: TAPING PANEL:
 LOG: RECORDING SHEET:
 LOG:
 REMARKS:
 3000 3000



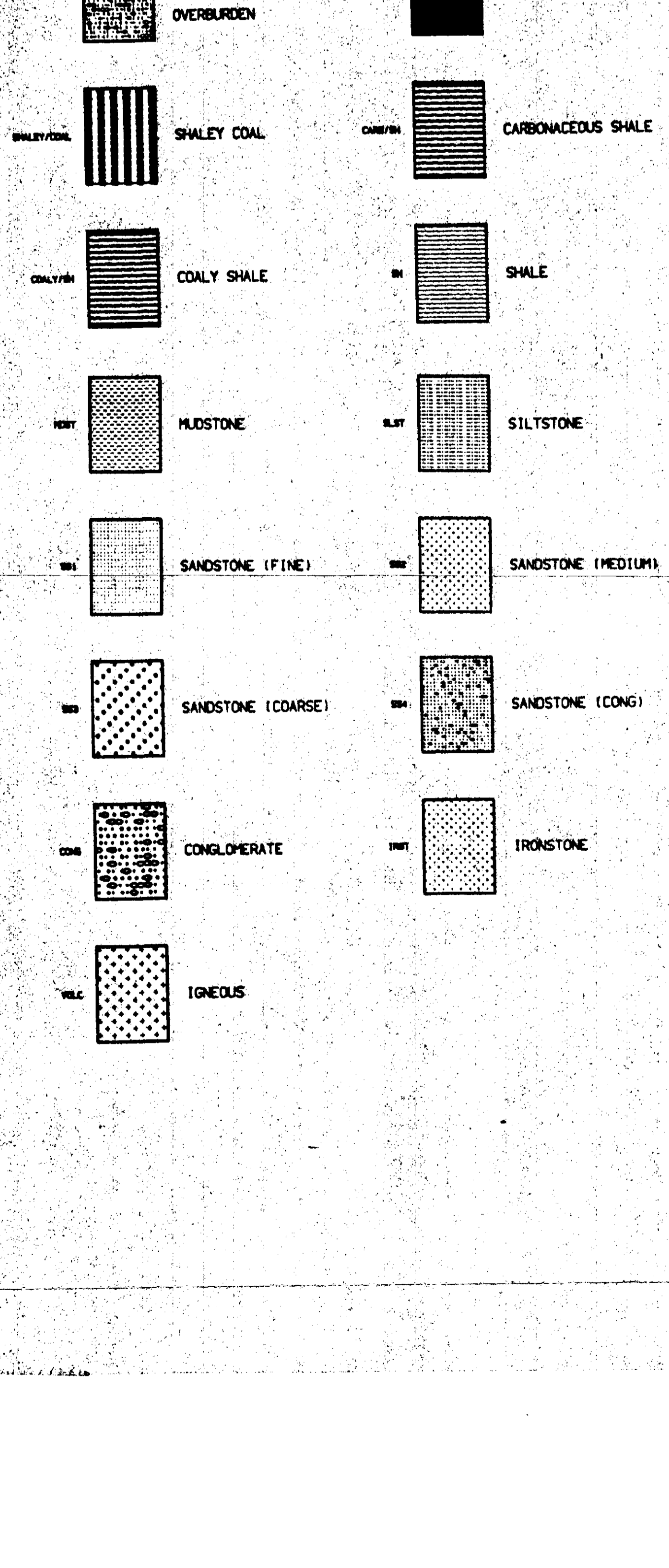
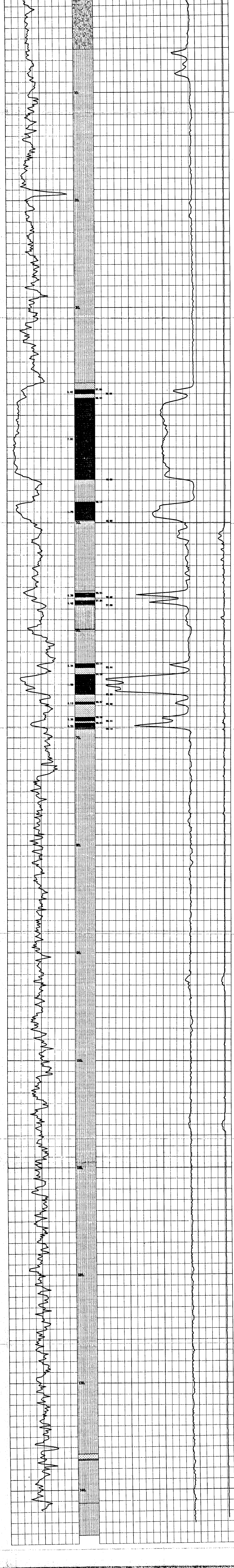
BOREHOLE:
 CLIENT:
 AREA:
 COUNTRY:
 B.P.B. logo

1K-TELKWA 18363K

TELKWA PROJECT 239

DRILL HOLE #323

GAMMA API 130. 6000. DENSITY SGU .00 7.00 2.00 CALIPER INCHES



14-1 Elkhorn 83(57)

239



BOREHOLE 14-1-23 (3)
 CLIENT Elkhorn, Nevada, Nevada Electric
 AREA Elkhorn, Nevada DEPTH SCALE 1:1
 COUNTRY USA OF US LOGS
 DATE LOGGED 2/24/77

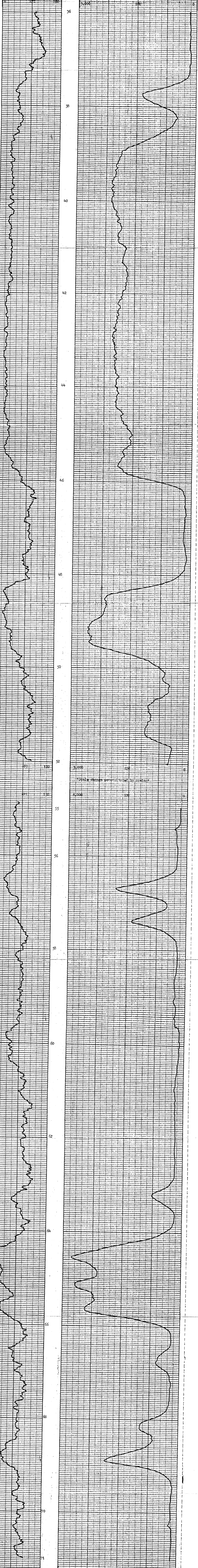
COAL QUALITY LOG
 BOREHOLE DATA REFER TO LITHOLOGIC LOG
 OPERATION DATA REFER TO LITHOLOGIC LOG
 EQUIPMENT AND RECORDING DATA
 COAL COMBINATION SONDE
 LOGGING PANEL POSITION COAL
 LOGGING OBJECTIVE COAL
 GAMMA RAY NO
 LOGGING SPEED 100
 SONDE SONDE AND CALIBRATION
 REFER TO LITHOLOGIC LOG

SONDE TYPE: SONDE
 COAL COMBINATION: SONDE
 LOG SUITE: GAMMA RAY
LS DENSITY

B P B COAL QUALITY LOG

DEPTH	COAL BULK DENSITY
-------	-------------------

HOLE SIZE CORRECTION DATA	
2"	1.2
4"	1.3
6"	1.35
8"	1.4
10"	1.45
12"	1.5
14"	1.55
16"	1.6
18"	1.7
20"	1.8
22"	1.9
24"	2.0
26"	2.1
28"	2.2
30"	2.3



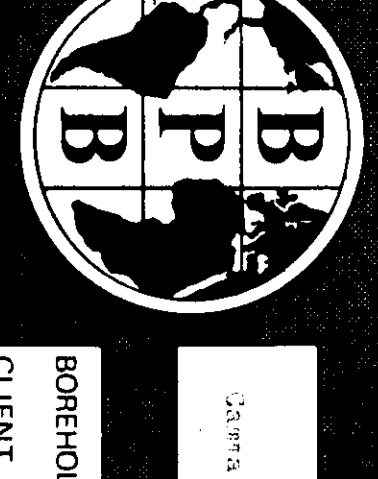
DEPTH	COAL BULK DENSITY
-------	-------------------

COAL QUALITY LOG
 BOREHOLE 14-1-23 AREA Elkhorn, Nevada
 CLIENT Elkhorn, Nevada, Nevada Electric COUNTRY USA



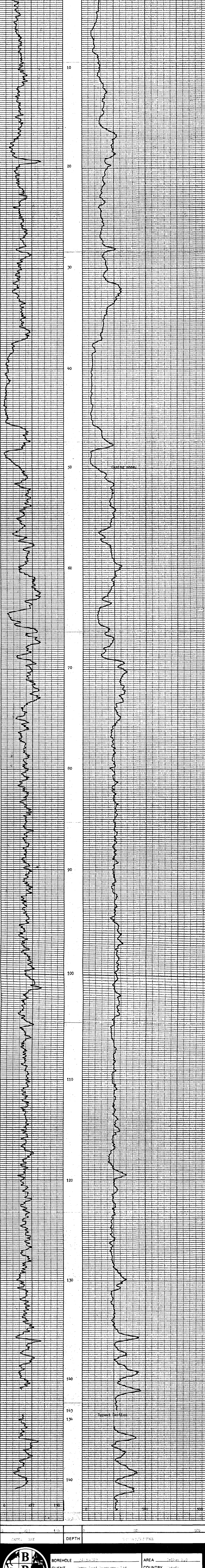
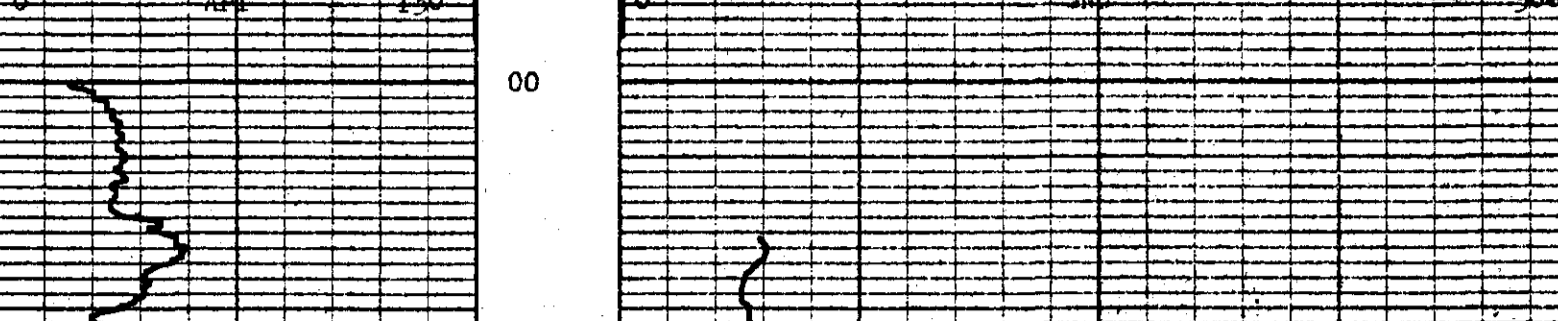
1 K-1 ELICOM 83(3)A

239



BOREHOLE: 239-4
 CLIENT: ELICOM TEST RESOURCES, L.P.
 AREA:
 COUNTRY:
 DATE LOGGED:
 DEPTH SCALE: 1:100
 BOREHOLE DATA REFER TO:
 OPERATION DATA REFER TO:
 EQUIPMENT AND RECORDING DATA
 TAPPING PANEL:
 LOGS:
 REMARKS:

DEPTH	0	100
TIME	0	1:40



DEPTH	0	500
TIME	0	1:50

BOREHOLE: 239-4
 CLIENT: ELICOM TEST RESOURCES, L.P.
 AREA:
 COUNTRY:



JK - 1E24WA 83(L)A

239



BOREHOLE _____ 323 (S)

CLIENT _____

AREA _____ DEPTH SCALE _____

COUNTRY _____

DATE LOGGED _____ OF _____ LOGS _____

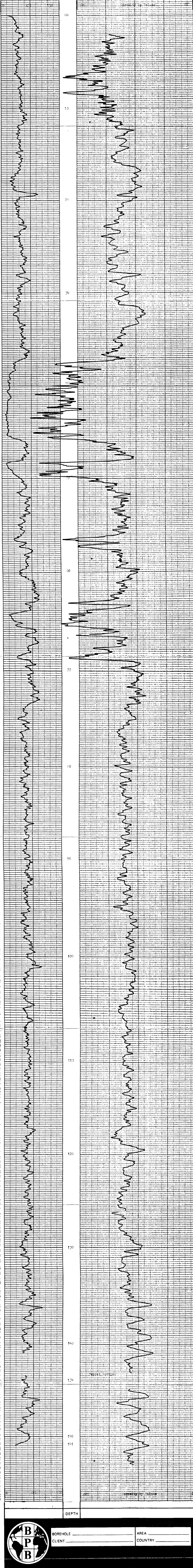
BOREHOLE DATA REFLECT TO _____ LOG

OPERATION DATA REFLECT TO _____ LOG

EQUIPMENT AND RECORDING DATA

LOG	TAMPING	PANEL	DATA
LOG	LOG	LOG	LOG
LOG	LOG	LOG	LOG
LOG	LOG	LOG	LOG

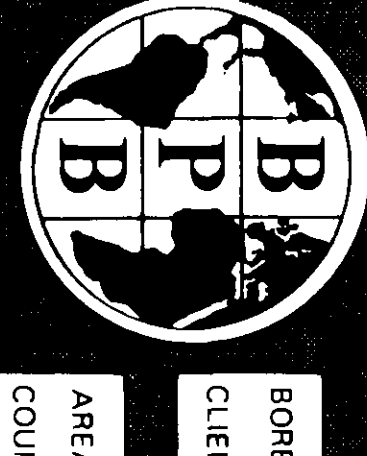
REMARKS _____



BOREHOLE _____ AREA _____

CLIENT _____ COUNTRY _____

1K - Teruma 88657A
239



SEAM THICKNESS LOG

BOREHOLE: 321 (2)
 CLIENT: ARMANDO, JERRY, JEROME, JAMES, J. ET AL.
 AREA: 111200, 21111
 COUNTRY: USA
 DATE LOGGED: 10/11/73

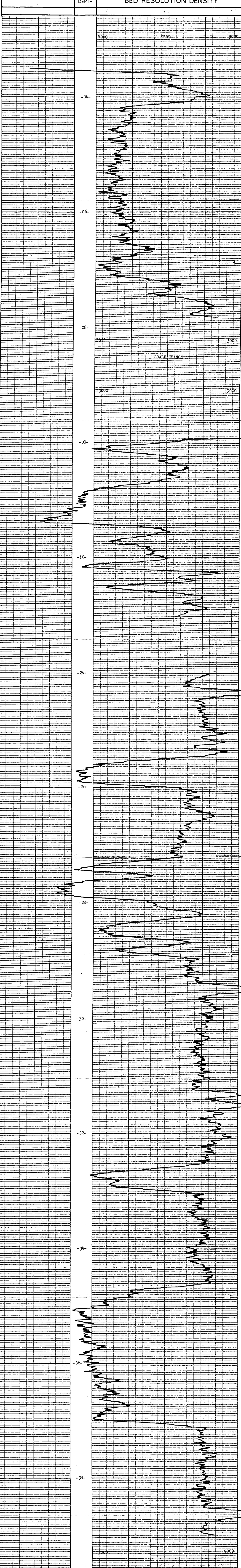
BOREHOLE DATA: REFER TO LITHOLOGY LOG
 OPERATION DATA: REFER TO LITHOLOGY LOG
 EQUIPMENT AND RECORDING DATA: REFER TO LITHOLOGY LOG

COAL COMBINATION SONDE: _____
 LOG: _____ TAPPING: _____ SIDE WALL POSITION: _____
 CALIPER: 1.05 RECORDING SPEED: 100 CM. NORM. _____
 CALIBRATION: _____
 BRAGGNESS: _____

SONDE TYPE: _____
 COAL COMBINATION SONDE: _____

LOG SUITE:
 CALIPER: _____
 BR. DENSITY: _____

B P B SEAM THICKNESS LOG



DEPTH: _____

BED RESOLUTION DENSITY

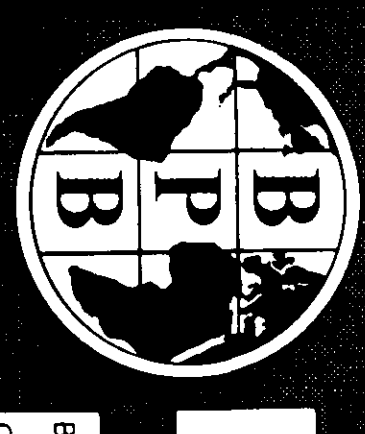
BOREHOLE: 321-208
 CLIENT: ARMANDO, JERRY, JEROME, JAMES, J. ET AL.
 AREA: 111200, 21111
 COUNTRY: USA

SEAM THICKNESS LOG



239

K. Teuma B3 (A)



AREA _____
 CLIENT _____

BOREHOLE _____ 34
 CLIENT _____

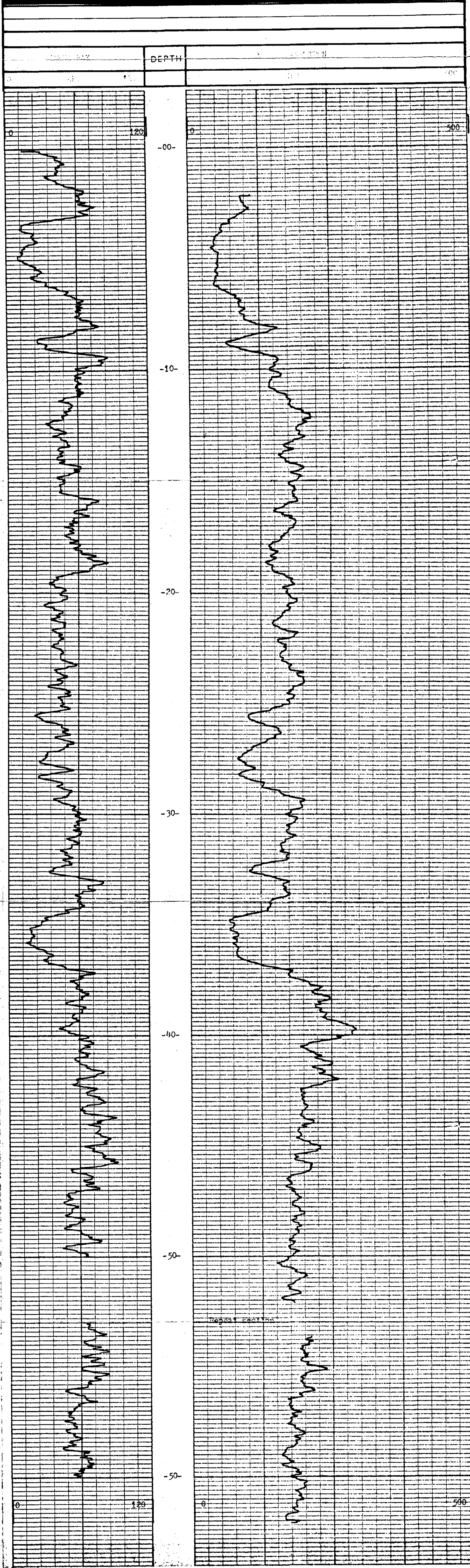
AREA _____
 COUNTRY _____
 DATE LOGGED _____

BOREHOLE DATA REFER TO _____ LOG
 OPERATION DATA REFER TO _____ LOG

EQUIPMENT AND RECORDING DATA

LOG	TAPPING	LOG RECORDING SPEED SECS	PANEL	CAL
LOG	Y	1	1	1
LOG	Y	1	1	1
LOG	Y	1	1	1
LOG	Y	1	1	1

REMARKS _____



DEPTH	0	100	200	300	400	500
-------	---	-----	-----	-----	-----	-----



BOREHOLE _____
 CLIENT _____

AREA _____
 COUNTRY _____