ROKE
463

ROKE

ROKE MEDICAL CORPORATION

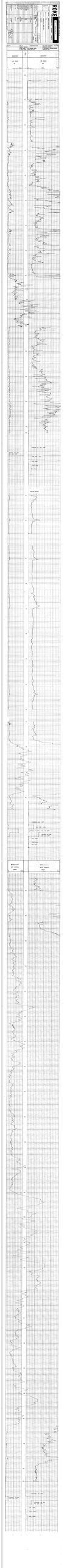
PT.	
DATE	
TIME	
PT. NAME	
DOB	
ADDR	
CITY	
STATE	
ZIP	
PHONE	
SEX	
RACE	
MARITAL	
SOC. SEC.	
PHYSICIAN	
REFERRED BY	
ACCOUNT	
ROOM	
BED	
DIAGNOSIS	
ADMITTED	
DISCHARGED	
TECHNICIAN	
REPORT	
COMMENTS	

ROKE

Company	Roke Manor Research Limited
Contractor	Roke Manor Research Limited
Product	Type Zero Replicator
Serial No.	1
Head	Type Zero Replicator
Serial No.	1
Tape	Type Zero Replicator
Serial No.	1
Date	1 - 1 - 1
Time	0 - 0 - 0
Operator	
Witnessed By	

Field	Roke	Comments	Roke Replicator 1 Type Zero Replicator 1 Roke Replicator 1 Type Zero Replicator 1
Well	Roke		
Bore	Roke		
Logging Date	1 - 1 - 1		
Number	1		
Run	1		
Depth Driller	0.00 m		
Depth Logger	0.00 m		
Depth Logged	0.00 m		
Top Log Interval	0.00 m		
Bottom Log Interval	0.00 m		
Casing Driller	0.00 m @ 0.00 m		
Casing Logger	0.00 m		
Bit Size	0.00 mm		
Type Fluid in Hole			
Density			
Viscosity			
Max. Rec. Temp.			
Estimated Cement Top			
Time Since Circulation			
Time Since Cement			
Equipment			
Location			
Recorded By			
Witnessed By			

Gamma Ray	Roke Replicator 1 Type Zero Replicator 1	Caliper	Roke Replicator 1 Type Zero Replicator 1
Roke Replicator 1 Type Zero Replicator 1		Roke Replicator 1 Type Zero Replicator 1	
0.00 API		0.00 mm	
100.00 API		100.00 mm	

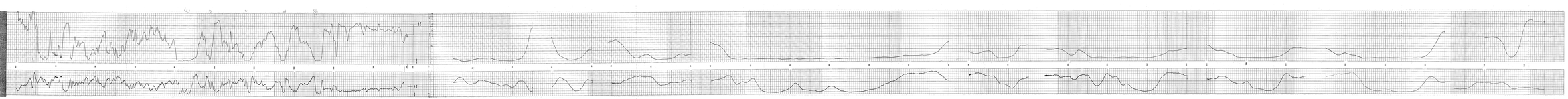

Casing Shoe
Casing Shoe
Casing Shoe

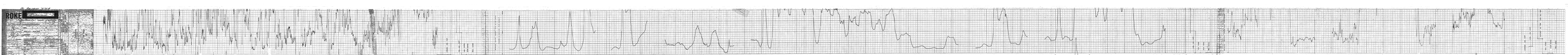
ROKE

GEOPHYSICAL RESEARCH

Date	1-Jan-1900
Time	00:00
Operator	
Rig	
Hole Size	
Max Temp	
Max Rate	
Max Deviation	
Max Dogleg	
Max Pressure	
Max Tension	
Max Torque	
Max Rotary Speed	
Max Pump Rate	
Max Pump Pressure	
Max Mud Density	
Max Mud Viscosity	
Max Mud Resistivity	
Max Mud Temperature	
Max Mud Flow	
Max Mud Level	
Max Mud

ROKE [redacted]




ROKE

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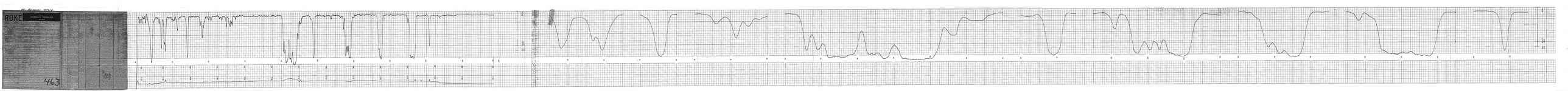
Date		Time	
Operator		Location	
Operator		Location	
Operator		Location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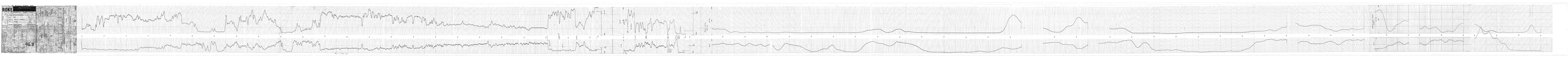
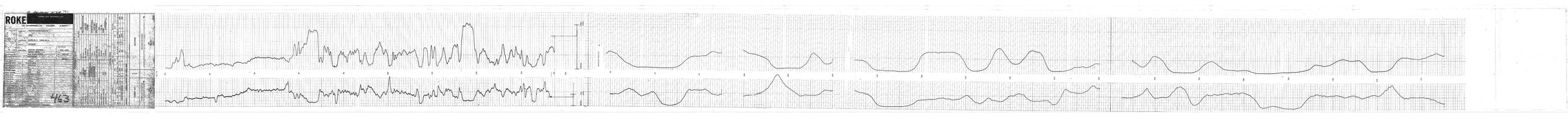

ROKE
[redacted]
46.8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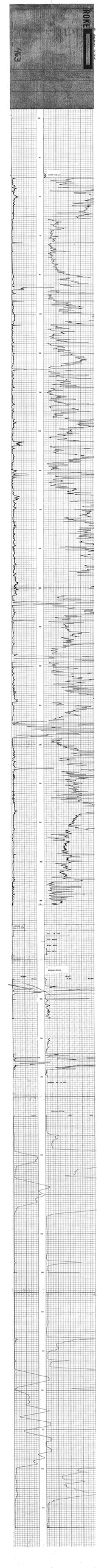
ROKE
4/3

ROKE

JOURNAL RECORDS

Oil Conservation Div. - Hobbs, N. Mexico

Operator	Humble Oil & Refining Co.
Date	1-8-63
Location	Eunice N. Monument
Field	Eunice
Lease	Eunice N. Monument G
Well	4
Type Log	Gamma Ray Neutron
Run No.	1
Depth Driller	4463
Depth Logger	4463
Bottom Log Interval	4463
Top Log Interval	3500
Casing Driller	8 5/8 @ 1200
Casing Logger	1200
Bit Size	7 7/8
Type Fluid in Hole	Salt Water
Density	10.0
Viscosity	28
Fluid Loss	10.0
Source of Sample	Pit
Rm @ Meas. Temp.	.75 @ 80
Rmf @ Meas. Temp.	.60 @ 80
Rmc @ Meas. Temp.	.90 @ 80
Source Rmf / Rmc	Calc. / Calc.
Rm @ BHT	.40 @ 120
Time Since Circ.	12 hrs.
Max. Rec. Temp.	120
Equipment No.	3
Location	Hobbs
Recorded By	Jones
Witnessed By	Mr. Ward

4463

Mc-Belcourt 78(3)16

BROKE

OIL ENTERPRISES LTD. CALGARY, ALBERTA

FILE NO.
LAD
SEC
TWP
RGE
W M

COMPANY DIXILSON MINES LIMITED

WELL 7813

LOCATION 34974.81 N 87384.96 E

FIELD BELCOURT

PROVINCE BRITISH COLUMBIA

Other Services:

Permanent Datum GROUND LEVEL Elev.
Log Measured from KB 5 Above Perm. Datum
Well Depths Measured from KB FLOOR

K.B. 1439.94
G.C.
G.L.

Run No. ONE
Date 24 OCT 1978
First Reading 106 M
Last Reading 0
Footage Logged 106
Depth Reached 106.9
Depth Driller 112.8
Casing Size 26.2
Casing Driller
Fluid Type WATER
Liquid Level FULL
Min. Diam. HQ

Operating Time 2½ HOURS
Truck No. PU 3

Recorded By RAY
Witnessed By VEGAS

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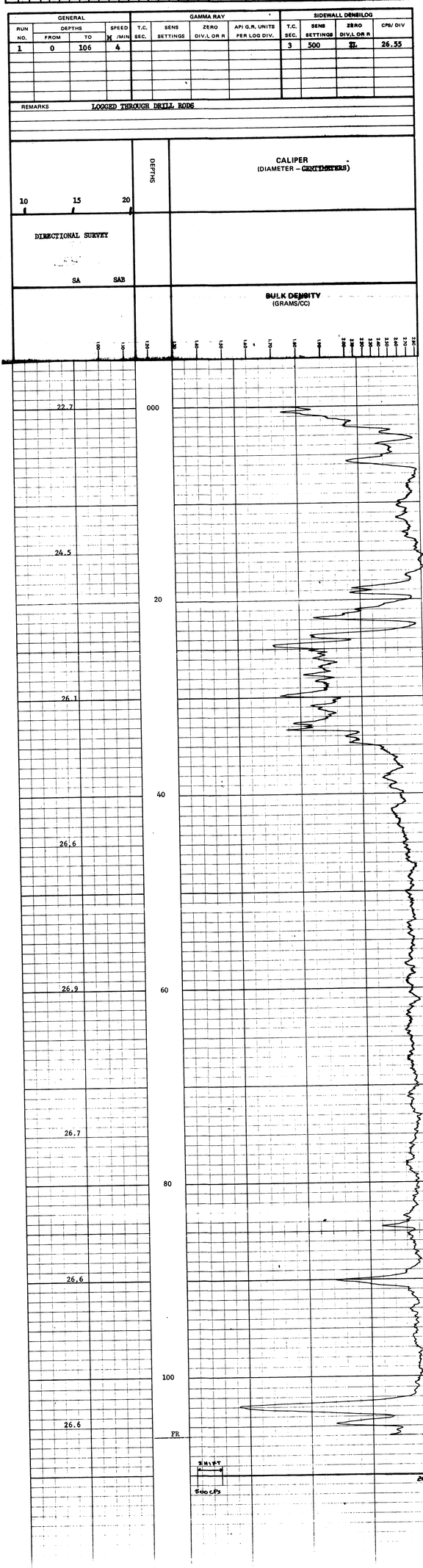
GENERAL RUN NO.	DEPTHS FROM	DEPTHS TO	SPEED M/MIN	GAMMA RAY T.C. SEC.	SENS SETTINGS	ZERO DIV.L OR R	API G.R. UNITS PER LOG DIV.	SIDEWALL DENSILOG T.C. SEC.	SENS SETTINGS	ZERO DIV.L OR R	CPS/DIV
1	0	106	4					3	500	27	26.55

REMARKS LOGGED THROUGH DRILL RODS



ROKE

GAMMA RAY NEUTRON LOG

OIL ENTERPRISES LTD. CALGARY, ALBERTA

FILE NO		COMPANY	DONSON MINES LIMITED
LSD		WELL	7813
SEC			
TWP		LOCATION	34974.81 N 87384.96 E
RGE			
W	M	FIELD	BELMONT
PROVINCE	BRITISH COLUMBIA		
Permanent Datum	GROUND LEVEL	Elev.	
Log Measured from	RIG FLOOR 0.5 M	Above Perm. Datum	
Well Depths Measured from	RIG FLOOR		
Other Services	DENS. DIR.		
K.B.			
CSG	1439.94		
G.L.			
Run No.	ONE		
Date	24 OCT 1978		
Last Reading	106 M		
Footage Logged	0		
Depth Reached	106		
Depth Driller	106		
Log Number	112.8		
Casing Diameter			
Fluid Type	24.2		
Liquid Level	WATER		
Min. Diam.	FULL		
	HQ		
Rm @ °F			
Operating Time	1½ HOURS		
Truck No.	FU3		
Recorded By	DAY	Witnessed By	DELLAS

METRIC

463

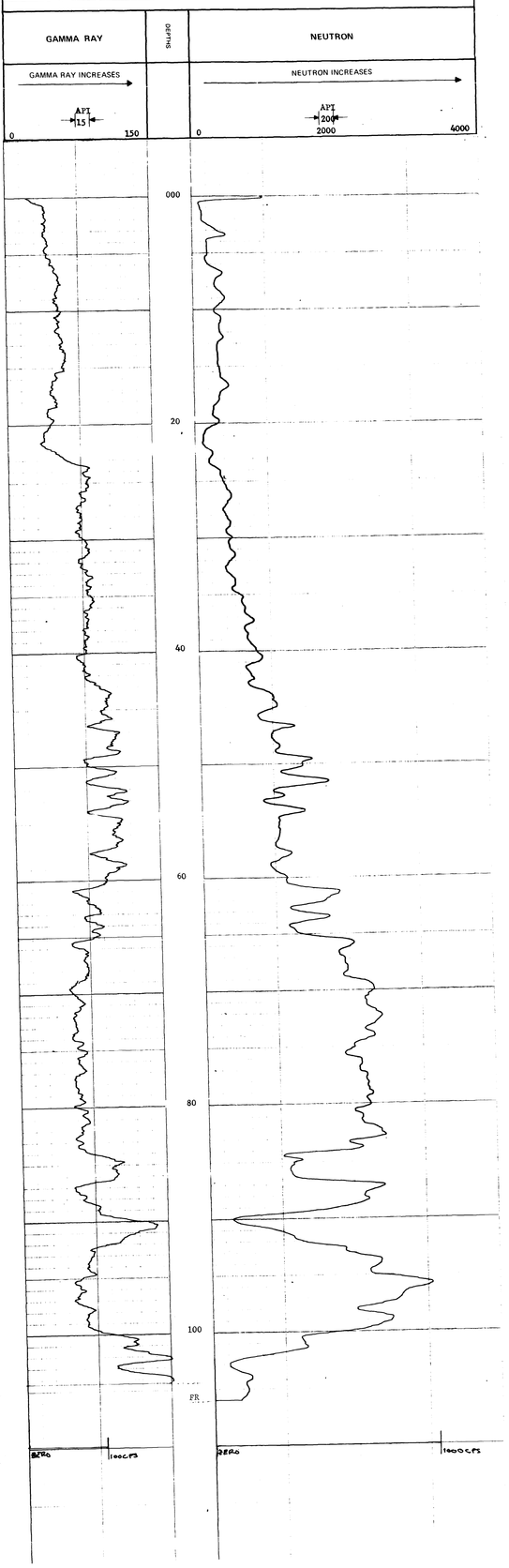
EQUIPMENT DATA

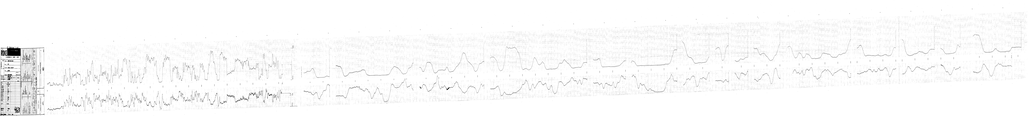
GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.	GRN 169	LOG TYPE	NEUTRON/NEUTRON
DIAMETER	43 MM	TOOL MODEL NO.	
DETECTOR MODEL NO.		DIAMETER	43 MM
TYPE	SCINTILLATION	DETECTOR MODEL NO.	
LENGTH	102 MM	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	2 M	LENGTH	152 MM
		SOURCE MODEL NO.	MRC-N-SS-W
GENERAL		SERIAL NO.	606
HOIST TRUCK NO.		SPACING	43 CM
INSTRUMENT TRUCK NO.	FU 3	TYPE	AmBe
TOOL SERIAL NO.	155	STRENGTH	3 CURIES

LOGGING DATA

GENERAL								GAMMA RAY		NEUTRON			
RUN NO.	DEPTHS FROM	DEPTHS TO	SPEED M/MIN	T.C. SEC.	SENS SETTINGS	ZERO DIV. L OR R	API G. R. UNITS PER LOG DIV.	T.C. SEC.	SENS SETTINGS	ZERO DIV. L OR R	API N. UNITS PER LOG DIV.
1	0	106	4	3	100	0	15	3	1000	0	200

REMARKS LOGGED THROUGH HQ DRILL RODS





PRODUCED BY ACME RECORDING CO. LOS ANGELES, CALIFORNIA USA

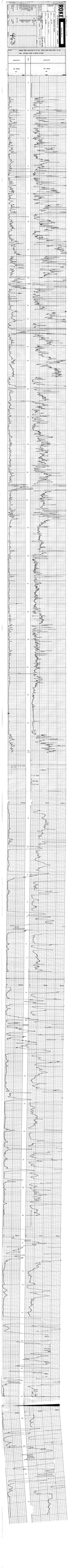
DOVE

TRACE NO.	4
DATE	1-2-2
TIME	1-2-2
TEMPERATURE	1-2-2
SPEED	1-2-2
SENSITIVITY	1-2-2
FILTER	1-2-2
TIME CONSTANT	1-2-2
OPERATOR	1-2-2
REMARKS	1-2-2

ACME RECORDING CO. LOS ANGELES, CALIFORNIA USA

DOVE - SUPERIOR GRADE 60 GRADE PAPER

INSTRUMENT		INSTRUMENT
1ST. SECTION		2ND. SECTION
1ST. SECTION		2ND. SECTION



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GAMMA RAY NEUTRON LOG

FILE NO.	[redacted]
LOG NO.	1
RUN NO.	ONE
DATE	26 MAY 87
COMPANY	DENSOR DRILLING LIMITED
WELL	78-13
LOCATION	3270-03 W - 04140-03 S
FIELD	BEAVERDAM
PROVINCE	ALBERTA
COUNTRY	CANADA
Other Services	CDN, CBL, VDL
Permanent Datum	GROUND LEVEL
Log Measured From	K.B. 1.5 M Above Perm. Datum
Drilling Measured From	K.B.
Elev. Perm. Datum	0 M
Elev. K.B.	1.5 M
Elev. D.F.	
Elev. G.L.	0 M
Date	26 MAY 1987
Run No.	ONE
Depth-Driller	155
Depth-Logger	153.4
Bottom Log Int.	152
Top Log Int.	SURFACE
Casing-Driller	7 @ 0
Casing-Logger	7 @ 0
Bit Size	6 1/8
Type Fluid in Hole	WATER
Dens. & Visc.	N/A
Max. Rec. Temp.	N/A
Operating Time	3 HRS
Recorded By	DAVE
Witnessed By	DENNIS

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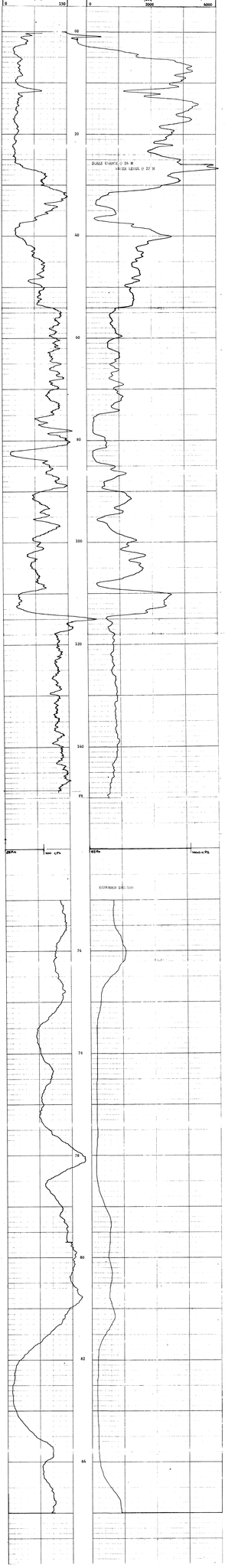
EQUIPMENT DATA

GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.	GRS 169	LOG TYPE	NEUTRON/NEUTRON
DIAMETER	43 MM	TOOL MODEL NO.	
DETECTOR MODEL NO.	SCINTILLATION	DIAMETER	43 CM
TYPE		DETECTOR MODEL NO.	
LENGTH	102 MM	TYPE	PROPORTIONAL
DISTANCE TO N SOURCE	2 M	LENGTH	152 MM
GENERAL		SOURCE MODEL NO.	MRC-N-05-M
		SERIAL NO.	606
HOIST TRUCK NO.		SPACING	43 CM
INSTRUMENT TRUCK NO.	FT 3	TYPE	Amer
TOOL SERIAL NO.	155	STRENGTH	3 CURIES

LOGGING DATA

RUN NO.	GENERAL DEPTH FROM	TO	SPEED M/MIN	T.C. SEC	GAMMA RAY SENS SETTINGS	ZERO DIV.	API G. R. UNITS PER LOG DIV.	T.C. SEC	NEUTRON SENS SETTINGS	ZERO DIV.	API N. UNITS PER LOG DIV.
1	0	150	4	4	300	0	15	3	1000	0	200
	73	85	2	4	300	0	15	3	1000	0	200

REMARKS: LOGGED THROUGH NO DRILL HOSE



Re-Recorded 7-10-78

ROKE

SIDEWALL DENSILOG
CALIPER

OIL ENTERPRISES LTD. CALGARY, ALBERTA

FILE NO	
LOG	
DEC	
TAB	
ROE	
W.	N
	E

COMPANY: DIVISION NORSE LIMITED

WELL: 7815

LOCATION: 27629.31 S - 28362.01 E

FIELD: WILDMERE

PROVINCE: BRITISH COLUMBIA

Permanent Datum: GROUND LEVEL Elev. n.a.

Log Measured from: KBG FLOOR 0.8 ft Above Perm. Datum Elev. 1637.00

Not Depth Measured from: KBG FLOOR

Run. No.	ONE		
Date	31 OCT 1978		
Log Reading	LOG 2		
Left Reading	0		
Footage Logged	150		
Depth Reached	151		
Depth Driller	151.0		
Casing Recv.	4		
Casing Driller	4.3		
Fluid Type	WATER		
Liquid Level	37		
Max. Temp.	86		
Operating Time	2 HRS50		
Truck No.	PU 3		

Other Services: CBL, FDC, DIL

Date: 10/17-80

463

Recorded By: SKZ Witnessed By: SKZAR

SIDEWALL DENSILOG

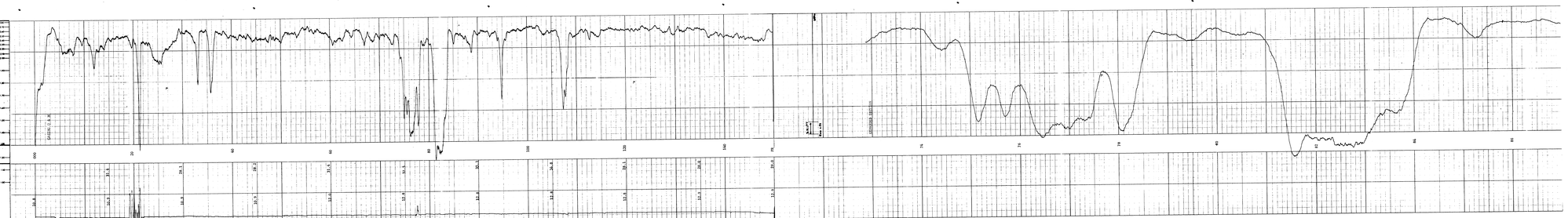
Run No.	ONE		
Date	31 OCT 1978		
Depth Driller	151.0		
Depth Logged	150		
Bottom Log Int.	150		
Top Log Int.	0		
Casing Driller	4.3		
Casing Logger	4		
Bit Size	7 7/8		
Type Fluid	WATER		
Density	8.4		
Viscosity	37		
Fluid Loss	15.0		
Source of Sample	CIRC		
Rm @ Meas. Temp.	1.5 @ 86		
Rmf @ Meas. Temp.	1.2 @ 86		
Rmc @ Meas. Temp.	1.8 @ 86		
Source Rmf / Rmc	M / M		
Rm @ BHT	1.0 @ 100		
Time Since Circ.	5		
Max. Rec. Temp.	100		
Equip. Location	1		
Recorded By	SKZ		
Witnessed By	SKZAR		

CALIPER (DIAMETER - INCHES)

DEPTHS

DIRECTIONAL SURVEY

RULE CONSTANT (SEMI-MICRO)

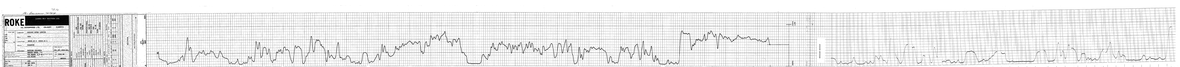


ROKE INT. ENTERPRISES LTD. CALGARY ALBERTA

PROBE NAME LOG

Rig No.
Date
Run No.
Depth Driller
Depth Logger
Bottom Log Interval
Casing Driller
Casing Logger
Bit Size
Type Fluid in Hole
Density
Viscosity
pH
Fluid Level
Max. Rec. Temp.
Equip. Location
Recorded By
Witnessed By

	1
	28 NOVEMBER
	1
	1
	1



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CARDIAC MONITOR

Name	Mrs. Jane Doe	
Date	1/1/1900	
Time	1:00 a.m.	
Age	1900 yrs.	
Sex	Female	

Lead	Gain	Filter
I	1	40
II	1	40
III	1	40
aVR	1	40
aVL	1	40
aVF	1	40
V1	1	40
V2	1	40
V3	1	40
V4	1	40
V5	1	40
V6	1	40

Rhythm: Normal Sinus

Comments: Normal Sinus Rhythm

Technician: Nurse

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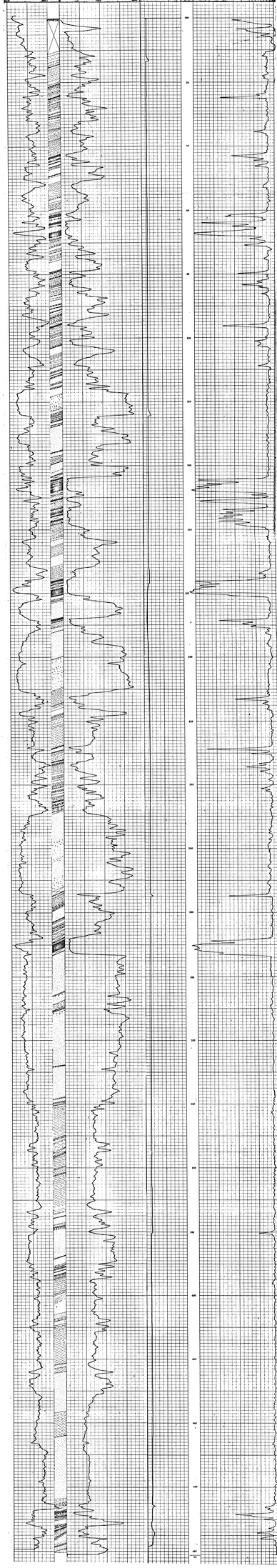

POKE

PRESENTATION

POKE

PRESENTATION

EQUIPMENT DATA

RUN NO.		MATRIX	
BOREHOLE NO.		MATRIX DENSITY	
LOGGER NO.		FLUID DENSITY	
DATE		FLUID LEVEL	
TIME		MAXIMUM RECORDED TEMP.	
DRILLER TD		LOGGER TD	
DRILLER TD ON DATE		TIME LOGGER ON BOTTOM	
		LOGGING UNIT NO.	
		LOGGING ENGINEER	
		WITNESS	

MAIN			

ROKE

ROKE

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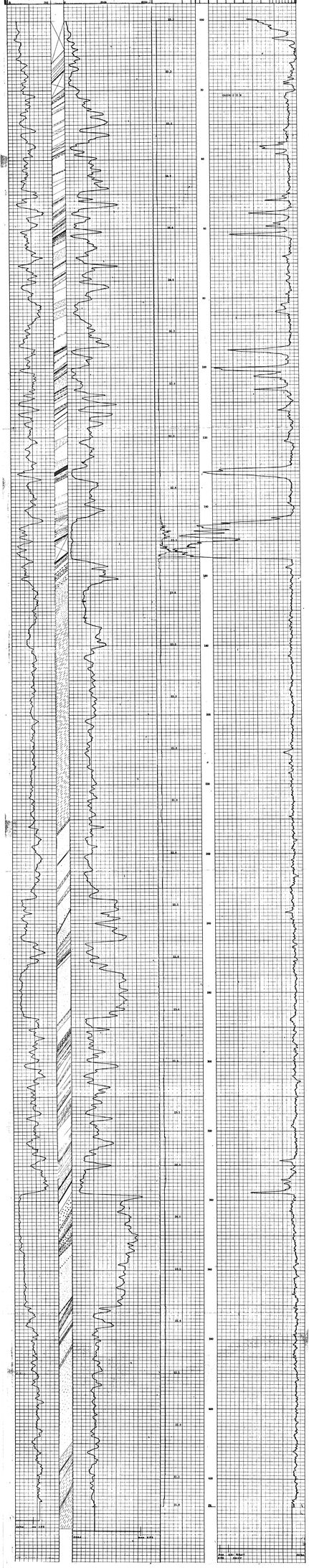

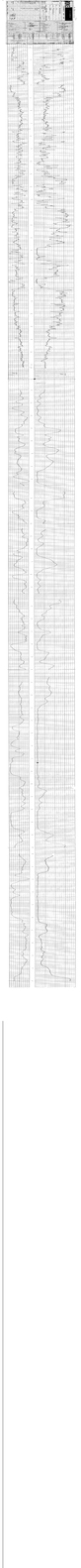

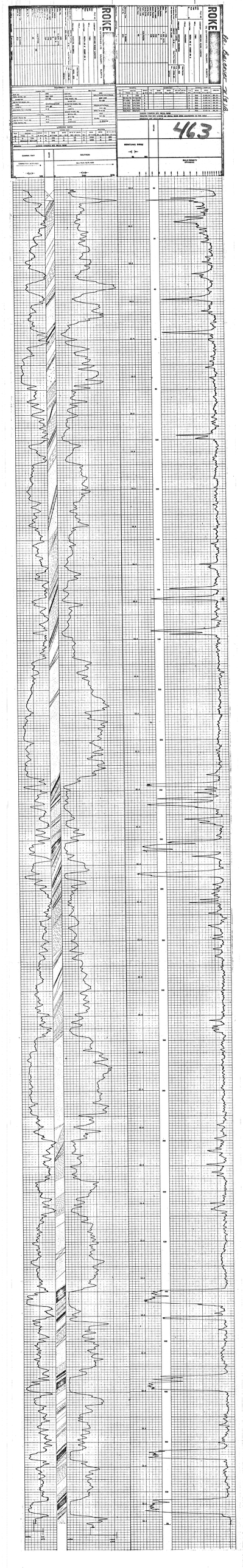
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GAMMA RAY
NEUTRON
BULK DENSITY
DENSITY
CALIPER

ROKE
OIL (1969) LTD.
ROKE OIL EXPLORATIONS LTD. CALGARY, ALBERTA

COMPANY: SUNDOWN ENERGY LIMITED
WELL: 7-36
LOCATION: 7-36-27-W 4
FIELD: BRAZEAU
PROVINCE: ALBERTA, CANADA
Date Drilled: 1-8-76
Date Logged: 1-8-76
Date Run: 1-8-76
Depth Driller: 2500
Depth Logger: 2500
Bottom Log Interval: 2500
Top Log Interval: 0
Casing Driller: 9 5/8 @ 1001
Casing Logger: 9 5/8 @ 1001
Bit Size: 8 3/4
Type Fluid in Hole: GEL CHEM
Density: 9.4
Viscosity: 50
Fluid Loss: 8.0
Source of Sample: FLOWLINE
Rm @ Meas. Temp.: 1.0 @ 70°F
Rmf @ Meas. Temp.: 1.0 @ 70°F
Rmc @ Meas. Temp.: 1.0 @ 70°F
Source: Rmf: FLOWLINE Rmc: FLOWLINE
Rm @ BHT: 1.0 @ 70°F
Time Since Circ.: 4 HRS
Time Since Stopped: 1 HR
Max. Rec. Temp.: 70°F
Equipment Number: 1001
Location: BRAZEAU
Recorded By: R. BOWER
Witnessed By: J. BOWER

EQUIPMENT DATA

Gamma Ray		Neutron	
Run No.	ONE	Run No.	ONE
Tool Model No.	GRS 249	Tool Type	NEUTRON/NEUTRON
Diameter	43 MM	Tool Model No.	DNN 145
Detector Model No.		Diameter	43 MM
Type	SCINTILLATION	Detector Model No.	
Length	101 IN	Type	PROPORTIONAL
Distance to Source	2 M	Length	122 IN
		Source Model No.	MNC-6-55 M
General		Serial No.	6-55
High Linear No.	PU 1	Strength	1 CM
Detector Model No.	PU 3	Type	Americium
Tool Batch No.	1-12	Intensity	1 CURIES

LOGGING DATA

Run No.	General Speed	T.C.	Gamma Ray Sens.	Gamma Ray Sens.	Neutron Speed	T.C.	Sens.	Sens.
	Feet/Min	Sec	Settings	API & CPS Units	Feet/Min	Sec	Settings	API & CPS Units
1	6	2	4	100	0	15	2	500
2	30	2	4	100	0	15	2	500

Remarks: LOGGED THROUGH DRILL HOLE

GAMMA RAY / NEUTRON

Gamma Ray: Gamma Ray Increases — API 0 — 150
Neutron: Neutron Increases — API 2000 — 0

GENERAL

Run No.	Gamma Ray Speed Feet/Min	T.C. Sec	Sens. Settings	Neutron Speed Feet/Min	T.C. Sec	Sens. Settings	Normals Density Sens. Settings	Normals Density Sens. CPS/DIV
1	6	2	4				3	500
	30	2	4				3	500
	30	2					3	500
	30	2					3	500
	30	2					3	500

Remarks: LOGGED THROUGH DRILL HOLE
ANGLE 30°
HOLE TOOL # 430

BRAZEAU BIT ÉVASÉE

Structural Dip: 84 DEG

CALIPER (DIAMETER - CENTIMETERS) 10 — 30

BULK DENSITY (GRAMS/CC) 1.9 — 3.0

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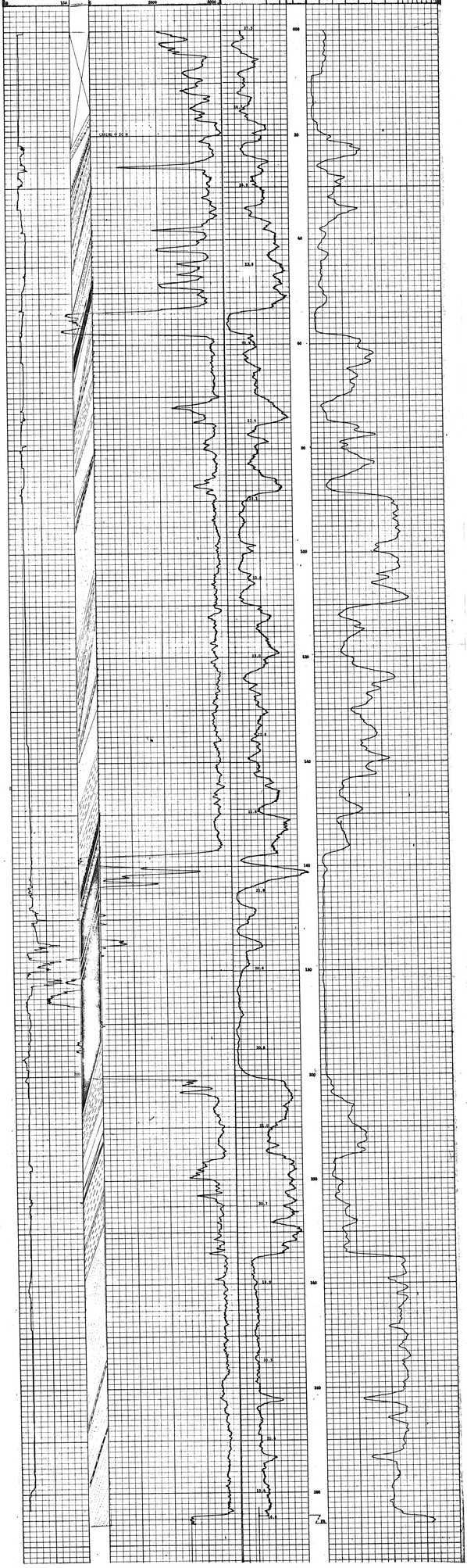


ROKE

PRODUCER'S CORE ANALYSIS

ROKE

PRODUCER'S CORE ANALYSIS

463

EQUIPMENT DATA

GAMMA RAY

NEUTRON

LOGGING DATA

GAMMA RAY

NEUTRON

CALIPER

BIT SIZE

PR - BELLEDUNE JX 13 B.

ROKE

OIL ENTERPRISES LTD. CALGARY, ALBERTA

FILE NO.	
LSD	
SEC	
TWP	
RGE	
W. M	
COMPANY	DENISON MINES LIMITED
WELL	7809
LOCATION	31650.66 N 89771.14 E
FIELD	BELLEDUNE
PROVINCE	BRITISH COLUMBIA
Permanent Datum	GROUND LEVEL Elev.
Log Measured from	CASING 0.M ; Above Perm. Datum
All Depths Measured from	RIG FLOOR

Other Services: CNS, FDL, DEV

K.B.
GRD 1782.76
D.F.
G.L.
METRIC

Run. No.	ONE
Date	28 SEP 1978
First Reading	197 M
Last Reading	0
Footage Logged	197
Depth Reached	198
Depth Driller	199.2
Casing Size	-
Casing Driller	-
Fluid Type	AIR/WATER
Liquid Level	9
Bit. Diam.	HQ
Operating Time	4 HOURS
Tape No.	EO 3

Recorded By: SCHIMNER Witnessed By: DELAS

EQUIPMENT DATA	
GAMMA RAY	
BOX NO.	
SERIAL NO.	
DIAMETER	
DETECTOR MODEL NO.	
LENGTH	
DETECTOR TO SOURCE	
NEUTRON	
BOX NO.	
SERIAL NO.	
DIAMETER	
DETECTOR MODEL NO.	
LENGTH	
DETECTOR TO SOURCE	
SONDE TYPE	
SONDE SERIAL NO.	
CALIBRATOR TYPE	
CALIBRATOR SERIAL NO.	
DENSITY	
BOX NO.	CPS 149
LOW. DOW.	GP 149
SONDE MODEL NO.	50 SH
PROPORTIONAL	
DETECTOR MODEL NO.	
PROPORTIONALITY	
TYPE	
LENGTH	710 MM
SONDE MODEL NO.	2 M
MISC.	
DRILL STEM	
DRILL STEM SIZE	4½ IN
DRILL PIPE	
TYPE	4 OVERS
ATTENUATOR	
CALIBRATOR SERIAL NO.	153
CALIBRATOR MODEL NO.	
SONDE SERIAL NO.	

LOGGING DATA															
GENERAL															
RUN	DATE	T.D.													
NO.	FROM	TO	No. Vols.	SEC.											
1	0	197	4	100											
DRILLED SECTION 3															
GAMMA RAY															
RUN	DATE	T.C.	SEND												
NO.			SETTINGS												
1	3	4	100												
2	3	4	100												
NEUTRON															
RUN	DATE	T.C.	SEND												
NO.			SETTINGS												
1	3	4	1000												
2	3	4	1000												
DENSITY															
RUN	DATE	T.C.	SEND												
NO.			SETTINGS												
1	3	4	1000												
2	3	4	1000												

REMARKS: BOX 1005 # 502 DENSITY SOURCE AMERICIUM

LOGGED BY: SCHIMNER

ROKE

OIL ENTERPRISES LTD. CALGARY, ALBERTA

FILE NO.	
LSD	
SEC	
TWP	
RGE	
W. M	
COMPANY	DENISON MINES LIMITED
WELL	7809
LOCATION	31650.66 N 89771.14 E
FIELD	BELLEDUNE
PROVINCE	BRITISH COLUMBIA
Permanent Datum	GROUND LEVEL Elev.
Log Measured from	CASING 0.M ; Above Perm. Datum
All Depths Measured from	RIG FLOOR

Other Services: FDL, DEV, DENS-GAM.

K.B.
GRD 1782.76
D.F.
G.L.
METRIC

Run. No.	ONE
Date	28 SEP 1978
First Reading	197 M
Last Reading	0
Footage Logged	197
Depth Reached	197 -
Depth Driller	199.2
Casing Size	-
Casing Driller	-
Fluid Type	AIR/WATER
Liquid Level	9
Bit. Diam.	HQ
Bit Up By	22 # 69
Operating Time	2 HOURS
Tape No.	FU3

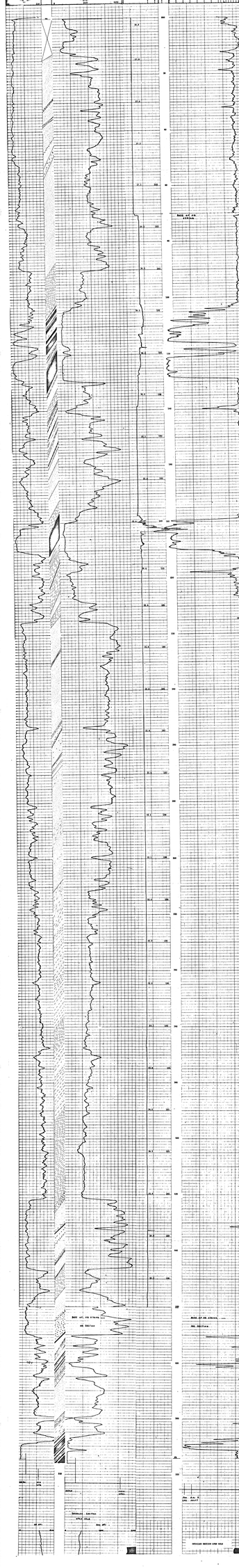
Recorded By: SCHIMNER Witnessed By: DELAS

463

ROKE

ROKE

46.3



Pr. - BELCOURT 71(3)B.

ROKE

OIL ENTERPRISES LTD. CALGARY, ALBERTA

FILE NO.	
COMPANY	DENISON MINES LIMITED
WELL	7811
LOCATION	43528.24 N 76826.66 E
FIELD	BELCOURT
PROVINCE	BRITISH COLUMBIA
Other Services:	GRN, DEV
Permanent Datum	GROUND LEVEL Elev.
Log Measured from	KB FLOOR 60CM Above Perm. Datum
All Depths Measured from	KB FLOOR
K.B.	
GRD	1410.80
D.F.	
G.L.	METRIC

Run. No.	ONE
Date	8 OCT 1978
First Reading	175 M
Last Reading	0
Footage Logged	175
Depth Reached	175
Depth Driller	176.3
Casing Rate	21.9
Casing Driller	21.9
Fluid Type	WATER
Liquid Level	FULL
Hole Diam.	HQ
Run @ °F	
Recording Time	2 HOURS
Truck No.	FU3

Recorded By SCHENKER Witnessed By SANTIAGO

RUN NO.	GENERAL INTERVAL FROM	TO	SPEED M/HR	T.C. SEC.	SPEED M/HR	T.C. SEC.	SPEED M/HR	T.C. SEC.
1	0	175	3					
	INSTALLED SHEATHS							

REMARKS: DRILLED 301 CMT. CASING, GROUT. NO. PARTIES DOG ON FOR AVAILABLE

RUN NO.	GAMMA RAY SPEED M/HR	T.C. SEC.	SPEED M/HR	T.C. SEC.	SPEED M/HR	T.C. SEC.	SPEED M/HR	T.C. SEC.
1	3	A	100	3	A	100	3	A
	INSTALLED SHEATHS							

REMARKS: LOGGED THROUGH DRY HOLE ROOM

RUN NO.	NEUTRON SPEED M/HR	T.C. SEC.	SPEED M/HR	T.C. SEC.	SPEED M/HR	T.C. SEC.	SPEED M/HR	T.C. SEC.
1	3	1000	3	1000				
	INSTALLED SHEATHS							

REMARKS: LOGGED THROUGH DRY HOLE ROOM

RUN NO.	GAMMA RAY SPEED M/HR	T.C. SEC.	SPEED M/HR	T.C. SEC.	SPEED M/HR	T.C. SEC.	SPEED M/HR	T.C. SEC.
1	3	1000	3	1000				
	INSTALLED SHEATHS							

REMARKS: LOGGED THROUGH DRY HOLE ROOM

ROKE

OIL ENTERPRISES LTD. CALGARY, ALBERTA

FILE NO.	
COMPANY	DENISON MINES LIMITED
WELL	7811
LOCATION	43528.24 N 76826.66 E
FIELD	BELCOURT
PROVINCE	BRITISH COLUMBIA
Other Services:	DEV, DENS
Permanent Datum	GROUND LEVEL Elev.
Log Measured from	KB FLOOR 60CM Above Perm. Datum
All Depths Measured from	KB FLOOR
K.B.	
GRD	1410.80
D.F.	
G.L.	METRIC

Run. No.	ONE
Date	8 OCT 1978
First Reading	175 M
Last Reading	0
Footage Logged	175
Depth Reached	175
Depth Driller	176.3
Casing Rate	21.9
Casing Driller	21.9
Fluid Type	WATER
Liquid Level	FULL
Hole Diam.	HQ
Run @ °F	
Recording Time	2 HOURS
Truck No.	FU3

Recorded By SCHENKER Witnessed By SANTIAGO

EQUIPMENT DATA

NEUTRON		ONE
RUN NO.		NEUTRON (NEUTRON)
TOOL MODEL NO.		CNS 146
TOOL SERIAL NO.		43 3M
SH. SOURCE MODEL NO.		
TYPE		SCINTILLATION
DETECTOR		PROPORTIONAL
LENGTH		12 IN
DIAMETER		2 IN (mm)
DISTANCE TO SOURCE		12 IN
		12 IN
		MRC-71-85-W
GENERAL	SOURCE MODEL NO.	43 CM
	SOURCE NO.	Amdn
	SOURCE TYPE	3 CURIES
WIRE LINE MODEL NO.		R13
INSTRUMENT LINE NO.		153
TOOL SERIAL NO.		

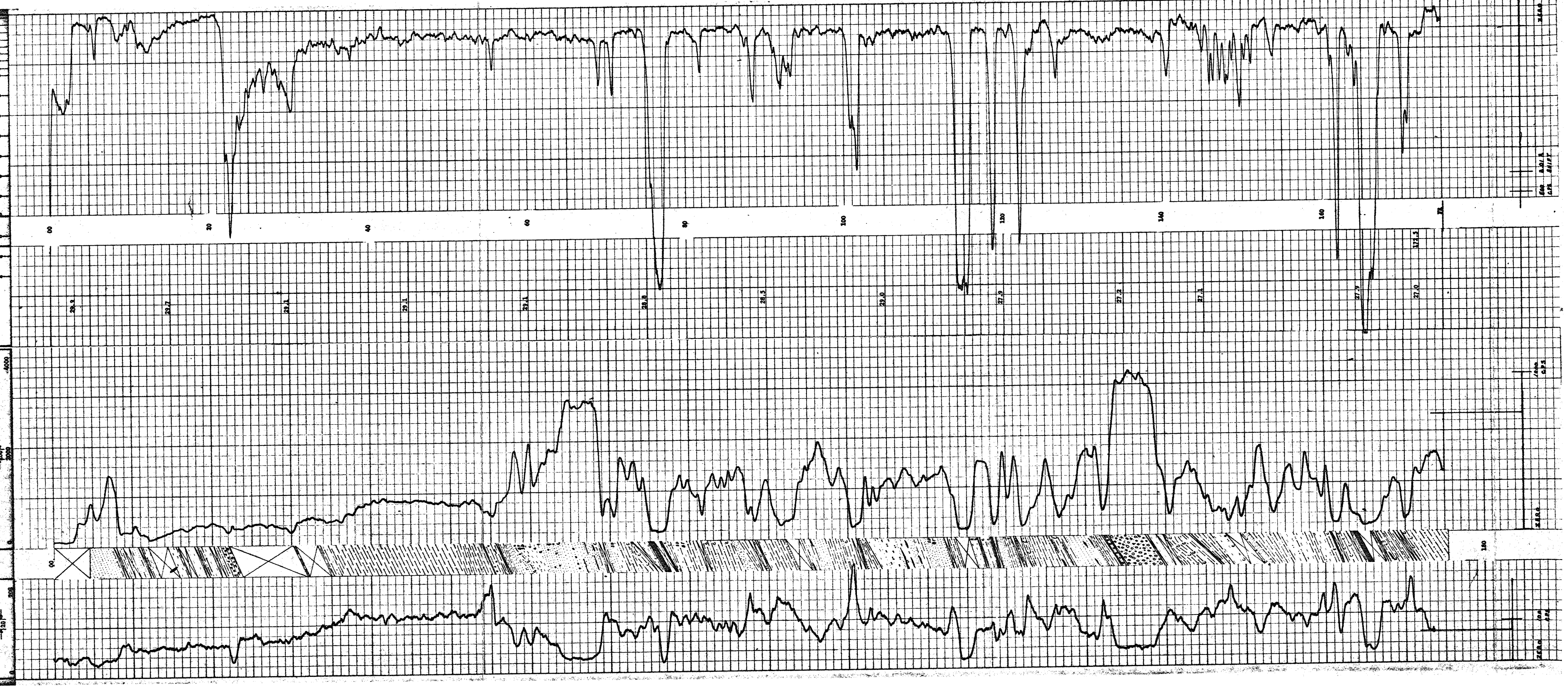
LOGGING DATA

RUN NO.	GAMMA RAY SPEED M/HR	T.C. SEC.	SPEED M/HR	T.C. SEC.	SPEED M/HR	T.C. SEC.	SPEED M/HR	T.C. SEC.
1	3	A	100	3	A	100	3	A
	INSTALLED SHEATHS							

REMARKS: LOGGED THROUGH DRY HOLE ROOM

RUN NO.	NEUTRON SPEED M/HR	T.C. SEC.	SPEED M/HR	T.C. SEC.	SPEED M/HR	T.C. SEC.	SPEED M/HR	T.C. SEC.
1	3	1000	3	1000				
	INSTALLED SHEATHS							

REMARKS: LOGGED THROUGH DRY HOLE ROOM



ROKE

COMPANY: AMERICAN HOME CORPORATION
WELL: 1
FIELD: WILDCAT
COUNTY: MONTGOMERY CO.
STATE: ALABAMA
LOCATION: 2310' S & 1650' E N.E.
PERMANENT DATUM: GROUND LEVEL
ELEV.: 0
LOG MEASURED FROM: KELLY BUSHING
DRILLING MEASURED FROM: KELLY BUSHING
ELEV.: K.B. 0 D.F. 0 G.L. 0

RUN	DATE	TYPE LOG	DEPTH-DRILLER	DEPTH-LOGGER	BTM. LOG INTERVAL	TOP LOG INTERVAL	CASING-DRILLER	CASING-LOGGER	BIT SIZE
1	5	6-12	4						
2	6-12	1-6	5						
3	1-6	1-7	2						

REMARKS: HOLE FULL OF GAS

EQUIPMENT DATA

GAMMA RAY
BOW SPRING NO.: GR 1-13
DETECTOR NO.: 4-1 GR
DETECTOR MODEL NO.: 200 PB
TYPE: SCINTILLATION
DETECTOR TO SHOE: 2 ft

NEUTRON
PAD NO.: 1
TYPE: NEUT-FORMATION
COIL MODEL NO.: HP 100
SHOE NO.: 3-1 GR
DETECTOR MODEL NO.: PROPORTIONAL
TYPE: 1-11 GR
SHOE MODEL NO.: NPG 16-20 GR
SERIAL NO.: 1-11 GR
TYPE: PLATE
SHOE: 2 SESSION

GENERAL
MAKE CALIB NO.: PLT
METERMAST TO F.P.: 1-13
MAX. SERIAL NO.:

LOGGING DATA

RUN	GAMMA RAY					NEUTRON				
NO.	FROM	TO	S. FAC.	SEC.	BOTTOM	SPD.	SEN.	MF.	SPD.	SEN.
1	0	1-6	1	5	1-6		20		1000	5
2	1-6	2-12	1	5	2-12		20		1000	5
3	1-6	2-12	1	5	2-12	0	20	1	1000	5

REMARKS

RUN	DATE	TYPE	DEPTH	BIT SIZE	MUD WEIGHT	VISC.	PH	FLUID LOSS	RM	RMF	RMC
1	1-6	1-7	2	1500	21	34-12					
2	1-6	1-7	2	2-12	21	32-12					
3	1-6	1-7	2	2-12	21	31-12					

GAMMA RAY
GAMMA RAY - NEUTRON
475 / 0 / 100

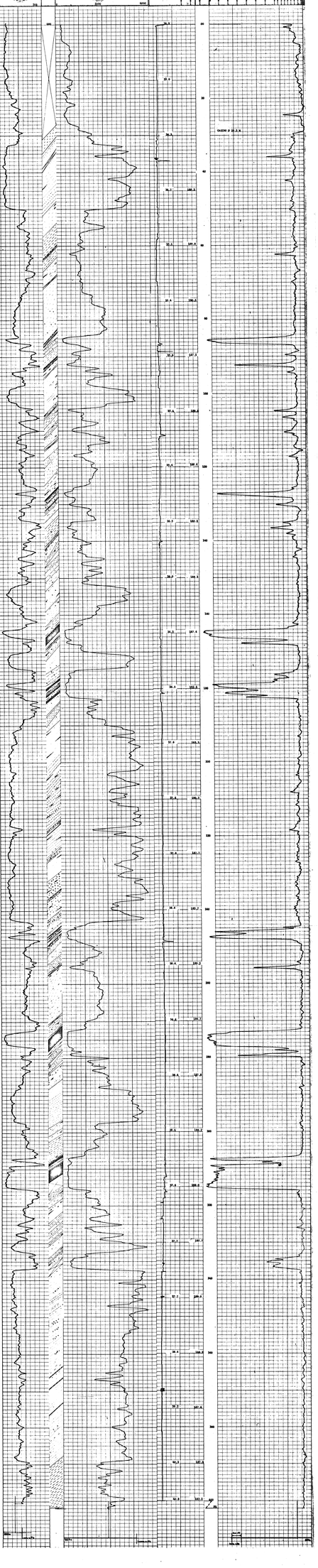
NEUTRON
NEUTRON INCREASES
475 / 0 / 30%

DIAGONAL ENTRY

CALIPER
DIAMETER - (CENTIMETERS)

BULK DENSITY
(GRAMS/CC)

463



Re-Beaudet 7K131B.

ROKE OIL ENTERPRISES LTD. CALGARY, ALBERTA

FILE NO.
LSD / SEC / TWP / RGE / M

COMPANY: DENISON MINES LIMITED
WELL: 7813
LOCATION: 34974.81 N 87384.96 E
FIELD: BEAUDOUET
PROVINCE: BRITISH COLUMBIA
GROUND LEVEL Elev.
KB FLOOR .5 M Above Perm. Datum
KB FLOOR
Log Measured from
All Depths Measured from
Other Services
K.B. 1439.94
G.L.
METRIC

Run No. ONE
Date 24 OCT 1978
First Reading 106 M
Last Reading 0
Footage Logged 106
Depth Reached 106.9
Depth Driller 112.8
Casing Rotes
Casing Driller 26.2
Fluid Type WATER
Liquid Level FULL
Min. Diam. HQ
Operating Time 14 HOURS
Truck No. FU 3
Recorded By TMT
Witnessed By TMTAS

ROKE OIL ENTERPRISES LTD. CALGARY, ALBERTA

FILE NO.
LSD / SEC / TWP / RGE / M

COMPANY: DENISON MINES LIMITED
WELL: 7813
LOCATION: 34974.81 N 87384.96 E
FIELD: BEAUDOUET
PROVINCE: BRITISH COLUMBIA
GROUND LEVEL Elev.
KB FLOOR .5 M Above Perm. Datum
KB FLOOR
Log Measured from
All Depths Measured from
Other Services: DENS, NEU
K.B. 1439.94
G.L.
METRIC

Run No. ONE
Date 24 OCT 1978
First Reading 106 M
Last Reading 0
Footage Logged 106
Depth Reached 106
Depth Driller 112.8
Casing Rotes
Casing Driller 26.2
Fluid Type WATER
Liquid Level FULL
Min. Diam. HQ
Operating Time 14 HOURS
Truck No. FU3
Recorded By TMT
Witnessed By TMAS

EQUIPMENT DATA

GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.	GRN 169	LOG TYPE	NEUTRON/NEUTRON
DIAMETER	43 MM	TOOL MODEL NO.	
DETECTOR MODEL NO.		DIAMETER	43 MM
TYPE	SCINTILLATION	DETECTOR MODEL NO.	
LENGTH	102 MM	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	2 M	LENGTH	152 MM
GENERAL		SOURCE MODEL NO.	MRC-N-SS-W
HOIST TRUCK NO.		SERIAL NO.	606
INSTRUMENT TRUCK NO.	FU 3	SPACING	43 CM
TOOL SERIAL NO.	155	TYPE	AmBe
		STRENGTH	3 CURIES

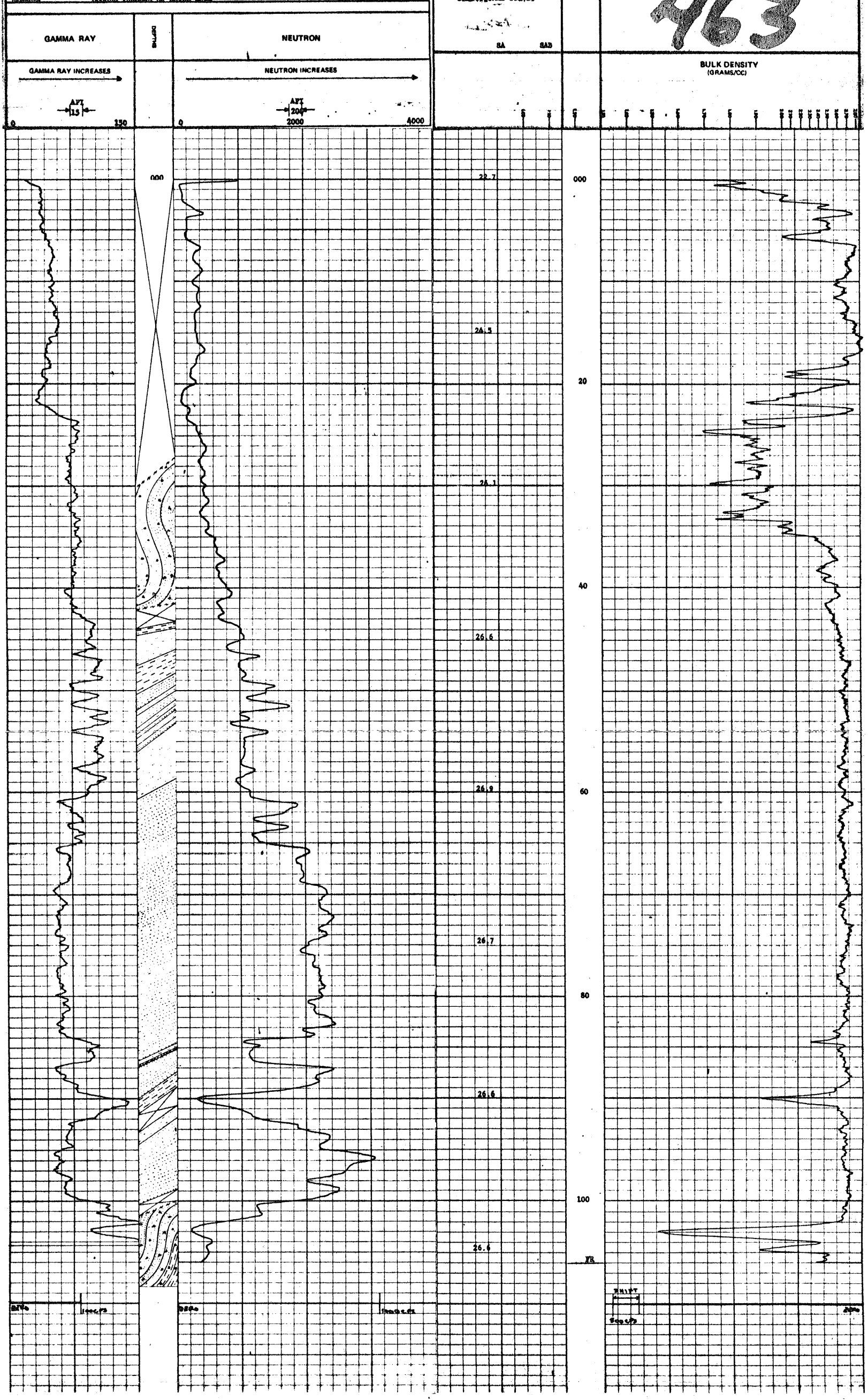
GENERAL				GAMMA RAY				SIDEWALL DENSILOG			
RUN NO.	DEPTHS FROM	DEPTHS TO	SPEED M/MIN	T.C. SEC.	SENS SETTINGS	ZERO DIV. L OR R	API G.R. UNITS PER LOG DIV.	T.C. SEC.	SENS SETTINGS	ZERO DIV. L OR R	CPS/DIV
1	0	106	4					3	500	ZL	26.55

REMARKS: LOGGED THROUGH DRILL RODS

LOGGING DATA

GENERAL				GAMMA RAY				NEUTRON			
RUN NO.	DEPTHS FROM	DEPTHS TO	SPEED M/MIN	T.C. SEC.	SENS SETTINGS	ZERO DIV. L OR R	API G. R. UNITS PER LOG DIV.	T. C. SEC.	SENS SETTINGS	ZERO DIV. L OR R	API N. UNITS PER LOG DIV.
1	0	106	4	3	100	0	15	3	1000	0	200

REMARKS: LOGGED THROUGH HQ DRILL RODS



ROKE

OIL SERVICES LTD. CALGARY ALBERTA

FILE NO. 463

COMPANY: AMOCO CANADA PETROLEUM CO. LTD.

WELL: ROSEMAIN 4-7-30-26 W 4

FIELD: ROSEMAIN

COUNTY: STETTLER

PROVINCE: ALBERTA

LOCATION: 4-7-30-26 W 4

DATE: 11-11-80

RUN NO. ONE

DEPTH DRILLER: 2000

DEPTH LOGGER: 2000

BTM. LOG INTERVAL: 2000

TOP LOG INTERVAL: SURFACE

CASING DRILLER: 9 5/8 @ 300

CASING LOGGER: 9 5/8 @ 300

BIT SIZE: 8 3/4

TYPE FLUID IN HOLE: GEL CHEM

DENSITY: 9.2

VISCOSITY: 40

PH: 10.5

FLUID LOSS: 8.0

SOURCE OF SAMPLE: PIT

RM @ MEAS. TEMP.: 1.0 @ 60

RMF @ MEAS. TEMP.: 1.0 @ 60

RMC @ MEAS. TEMP.: 1.0 @ 60

SOURCE OF RMF & RMC: MEASURED

RM @ BHT: 0.5 @ 100

TIME SINCE CIRCULATION: 6 HRS.

TIME SINCE LAST BOP TEST: NONE

MAX. RECORDED TEMP.: 100

EQUIPMENT DATA

GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
SNL MODEL NO.	GRS 146	CNL/CDM	NEUTRON/DENSITOMETER
DIAMETER	43 MM	SNL MODEL NO.	GNT 146
DETECTOR MODEL NO.		DIAMETER	43 MM
DETECTOR	NOVOT/GEIGER	DETECTOR MODEL NO.	PROPORTIONAL
LENGTH	914 MM	TYPE	Cd Wp
DISTANCE TO SOURCE	2 M	LENGTH	914.00 M
GENERAL		DISTANCE TO SOURCE	41.00 M
SONDE TRACK NO.		GENERAL	
DETECTOR TRACK NO.	2	SONDE	43 CN
SOURCE NO.	132	TYPE	Arthur
		STANDOFF	3 CENTER

LOGGING DATA

GAMMA RAY					NEUTRON				
RUN	SONDE TYPE	SPEED FT/MIN	T.C. SEC.	GAIN SENS.	DEPTH BOTTOM	API & % UNITS SCALE L	API & % UNITS MAX. LOG DIV.	T.C. SEC.	GAIN SENS.	DEPTH BOTTOM	API & % UNITS SCALE L	API & % UNITS MAX. LOG DIV.
1	43 CN	30	1	1	2000	0	100	1	1	2000	0	100
2	DENSILOG DETECTOR	30	1	1	2000	0	100	1	1	2000	0	100

REMARKS: LOGGED CASING SHOE: 11.5 - 300 BOC HOLE

11.5 - 300 BOC HOLE

GAMMA RAY		NEUTRON
GAMMA RAY INCREASES	API 0 — 100	NEUTRON INCREASES API 2000 — 0

SURVEY

RUN NO.	DEPTH FROM	DEPTH TO	SPEED FT/MIN	T.C. SEC.	GAIN SENS.
1	0	300	5		
2	DENSILOG DETECTOR		2		

GAMMA RAY

RUN NO.	DEPTH BOTTOM	API & % UNITS SCALE L	API & % UNITS MAX. LOG DIV.

DENSILOG - DENSILOG

RUN NO.	DEPTH BOTTOM	DEPTH SCALE L	DEPTH SCALE 1"
3	300	2.01 G	20.33
4	400	2.01 G	20.33

REMARKS: BC HOLE 11.5 - 300 B

SURVEY STARTED HERE

ROTATIONAL SURVEY

BOC HOLE 300 BOTTOM

DENS TOOL P ADD.

BLAST HOLE SURVEYS AVAILABLE ONLY AT BOTTOM INTERVAL NOT

(TEMPERATURE SURVEYS) SHOWN TO DENSIMETER ONLY. SEE A WITH FALLTIME

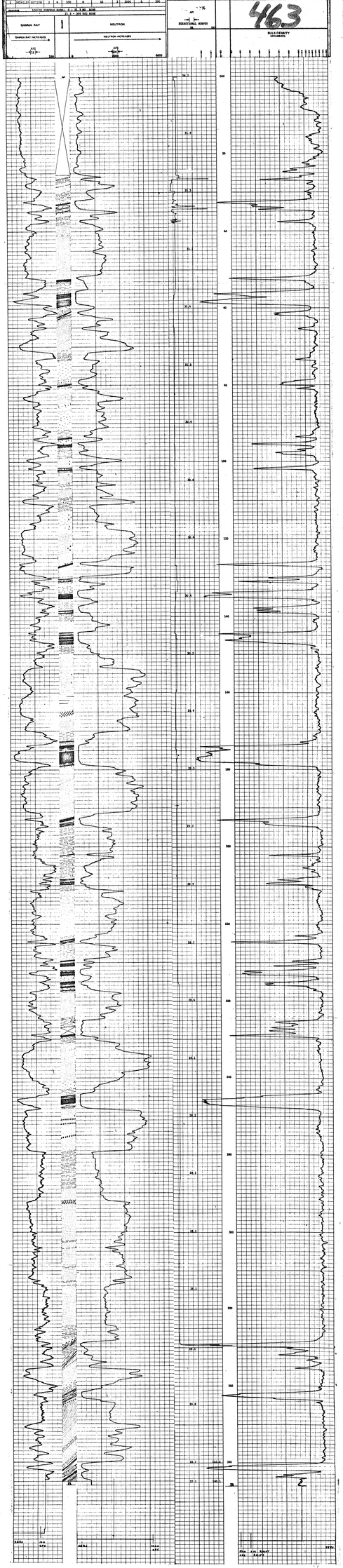
DEPTH

CALIPER (DIAMETER - CENTIMETERS)

463

ROTATIONAL SURVEY

RULE DENSITY (GRAMS/CC)



PR-BELCOURT 78 (3)B

ROKE

OIL ENTERPRISES LTD CALGARY ALBERTA

FILE NO	
COMPANY	DENISON MINES LIMITED
WELL	7815
LOCATION	6° 04342 03
FIELD	BELCOURT
PROVINCE	BRITISH COLUMBIA
Other Services	GRN, FDL, DIP
Permanent Datum	GRAD LEVEL
Log Measured from	KBG FLOOR 0.4 M Above Perm. Datum
Drill Depth Measured from	KBG FLOOR
CDG	16..04
G.L.	METRIC

Run. No.	ONE
Date	21 OCT 1978
First Reading	150 M
Last Reading	0
Footage Logged	150
Depth Reached	151
Depth Driller	151 8
Casing dia.	4
Casing Driller	4.3
Fluid type	WATER
Liquid level	27
Min Diam.	BQ
Operating Time	2 HOURS
Truck No.	FU 3

Recorded By DAY Witnessed By DEAN

ROKE

OIL ENTERPRISES LTD. CALGARY ALBERTA

FILE NO.	
COMPANY	DENISON MINES LIMITED
WELL	78 15
LOCATION	37829.10 N 84342 03 E
FIELD	BELCOURT
PROVINCE	BRITISH COLUMBIA
Other Services	NERS-CAL, FDL, DIP
Permanent Datum	GROUND LEVEL Elev
Log Measured from	KBG FLOOR 0.4 M Above Perm. Datum
Drill Depth Measured from	KBG FLOOR
K.B.	
CDG	6 7 04
G.L.	METRIC

Run. No.	ONE
Date	21 OCT 1978
First Reading	150 M
Last Reading	0
Footage Logged	150
Depth Reached	151.8
Depth Driller	4
Casing Size	4 3
Casing Driller	WATER
Fluid Type	27
Liquid Level	BQ
Min Diam.	
Operating Time	1h HOURS
Truck No.	FU 3

Logged By DAY Witnessed By DEAN

EQUIPMENT DATA

GAMMA RAY: UNIT ONE; SERIAL NO. 4N 183; TOOL MODEL NO. 4N 2B; MODULE NO.; TYPE; LENGTH; DIAMETER 10 & BOWSER; TOOL NO.; MAX. TEMP.

NEUTRON/NEUTRON: UNIT ONE; SERIAL NO. 243 CM; TOOL MODEL NO. 0 ANE 2B; SELECTOR MODEL NO. PROPORTIONAL; LT CTR. 152 MM; SOURCE MODEL NO. MRC N 5B-W; SERIAL NO. A56; SP 100; TYPE A3 CM; STRENGTH 2 CURIES; Amba

LOGGING DATA

Run	Interval From	Interval To	Hole Size	Bit Type	Bit No.	Rec.	Mud Wt.	Mud Visc.	Fluid Loss	Max. Temp.	Max. Rec. Temp.	Time Since Circ.	Time Logged
1	0	150	6	4	500	0	15	3	1000	0	200		
2	73	85	2	4	500	0	13	3	1000	0	200		

REMARKS: LOGGED THROUGH DRILL ROD

Run	Date	Time	Depth	Tool	Truck
1	21 OCT 78	1h HOURS	151.8		FU 3
2					

Operating Time: 2 HOURS

Truck No.: FU 3

463

CALIPER (D METER CENTIMETERS)

BULK DENSITY (D AGLUC)

DEPTHS

INCLINATIONAL SURVEY API

NEUTRON

NEUTRON/INCHES

GAMMA RAY

GAMMA RAY INCREASES

re Bellanet 7-13-18

ROKE OIL ENTERPRISES LTD. CALGARY, ALBERTA

FILE NO. 5

COMPANY: MOBIL OIL CANADA LTD.
WELL: 1
LOCATION: 4-20-26 W 4 TOWNSHIP 26 RANGE 20 W 4 MERIDIAN
FIELD: BEAVERTOP
PROVINCE: ALBERTA COUNTRY: CANADA
DATE: 1-3-78 TIME: 1:00 PM
RUN NO. 1 DATE: 1-3-78 TIME: 1:00 PM
DEPTH DRILLER: 1000 DEPTH LOGGER: 1000
BTM. LOG INTERVAL: 1000 TOP LOG INTERVAL: 0
CASING DRILLER: 8 5/8 @ 0 CASING LOGGER: 0
BIT SIZE: 7 7/8 TYPE FLUID IN HOLE: WATER
DENSITY: 1.0 VISCOSITY: 30
PH: 7.0 FLUID LOSS: 0
SOURCE OF SAMPLE: FLOWING
RM @ MEAS. TEMP.: 0.0 @ 0 RMF @ MEAS. TEMP.: 0.0 @ 0
RMC @ MEAS. TEMP.: 0.0 @ 0
SOURCE RMF: RMC: RM @ BHT: 0.0 @ 0
TIME SINCE CIRC.: 0 TIME SINCE COMP.: 0
MAX. REC. TEMP.: 0 EQUIP. LOCATION: 0
RECORDED BY: R. LEBLANC WITNESSED BY: MR. BOYCE

RUN NO.	BIT NO.	FROM	TO	HOLE SIZE	CASING SIZE	WEIGHT	GRADE	TOP	BOTTOM
1	1	0	1000	7 7/8	8 5/8	24	J-55	0	1000

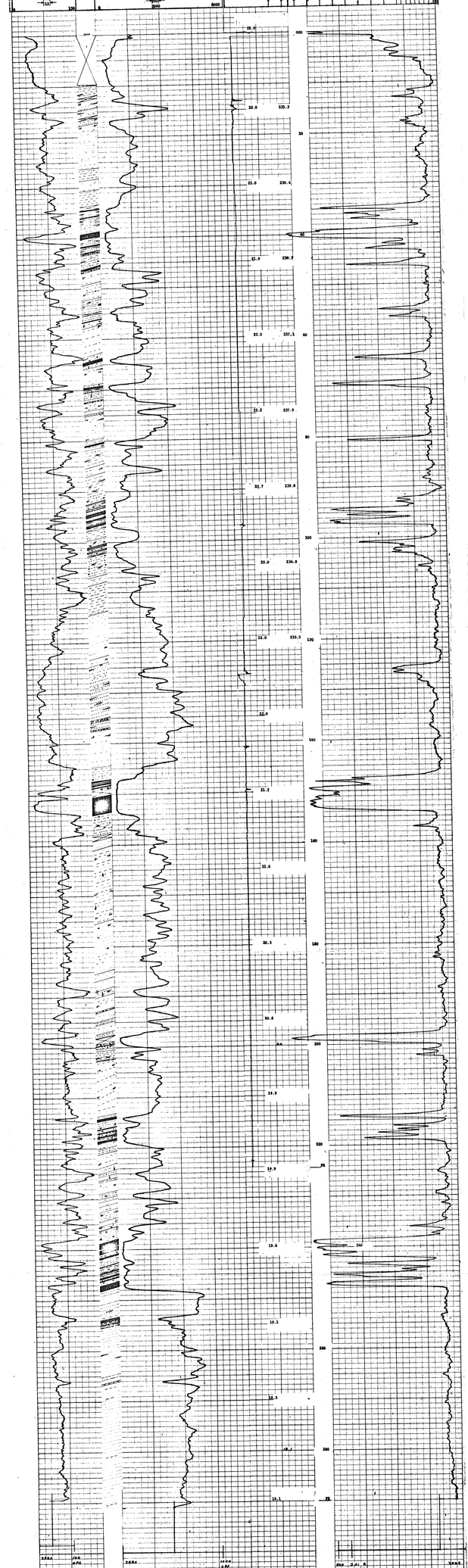
EQUIPMENT DATA

Gamma Ray		Neutron	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.	CDN 148	LOG TYPE	NEUTRON/NEUTRON
SERIAL NO.	53 20	TOOL MODEL NO.	CDN 149
DETECTOR MODEL NO.	SCINTILLATION	DIAMETER	42 MM
TYPE	2x2 NAI	DETECTOR MODEL NO.	PROPORTIONAL
LENGTH	2 ft	TYPE	4X4 HE
DISTANCE TO SOURCE		LENGTH	MRC 4-55-H
GENERAL		SERIAL NO.	318
SONDE TRACK NO.		SPACING	13 CM
INSTRUMENT TRACK NO.	FT2	TYPE	Amble
TOOL SERIAL NO.	133	ATTENUATION	2 CENTRE

LOGGING DATA

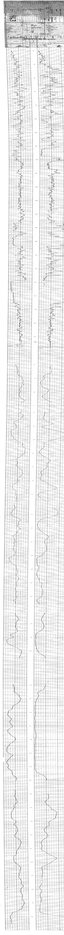
Gamma Ray General RUN NO.	FROM	TO	SPEED M/MIN	T.C. SEC.	SENS. DIV./CM	ZERO DIV./CM	API G.R. UNITS API/CM	Neutron SENS. DIV./CM	ZERO DIV./CM	API N. UNITS API/CM
1	0	991	4	4	100	0	13	1000	0	200
	SECTION BOTTOM		4	4	100	0	13	1000	0	200

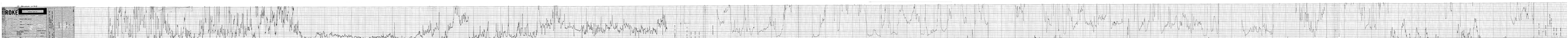
REMARKS: LOGGED THROUGH RD BORE



ROKE

Date	2 Feb 2022
Time	12:00:00
Duration	24:00:00
Channel	Ch1
Samples	8640000
Interval	10 sec
Leads	Single
Sensitivity	10mm/mV
Filter	HF 70Hz
Notch	50Hz
Recorder	Holter




BROKE
463

ROKE

463