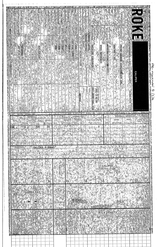
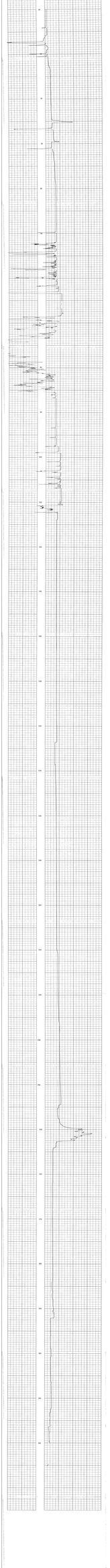
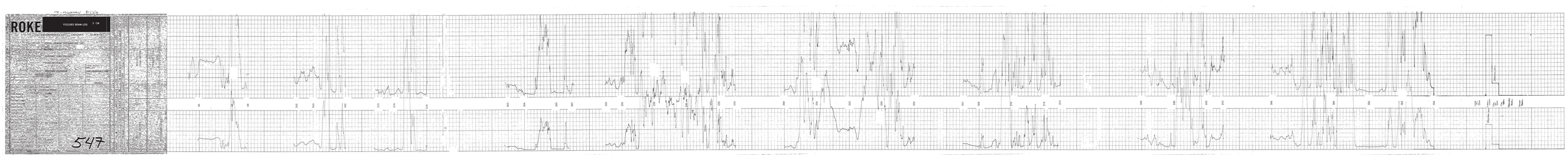

ROXE




ROKE
FOCUSED BEAM LOG
547

ROKE OIL ENTERPRISES LTD. CALGARY, ALBERTA

GAMMA RAY NEUTRON LOG

COMPANY PETRO CANADA EXPLORATION INC.
WELL MDH 81 - 01
FIELD MOUNTAIN COAL PROJECT
PROVINCE BRITISH COLUMBIA
Permanent Datum GROUND LEVEL

Run No. ONE
Date 22 FEB 1981
Depth Driller 320
Depth Logger 322.2

547

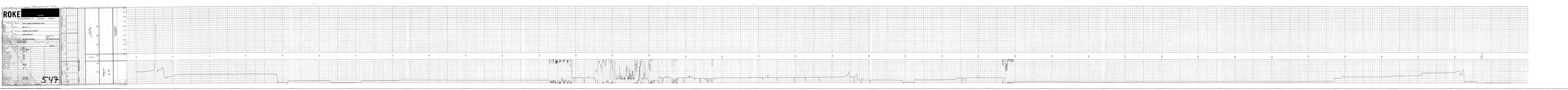
EQUIPMENT DATA

GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.	125	LOG TYPE	NEUTRON/NEUTRON
DIAMETER	32 MM	TOOL MODEL NO.	125
DETECTOR MODEL NO.		DIAMETER	32 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.	131	SERIAL NO.	256
INSTRUMENT TRUCK NO.	SU # 2	SPACING	43 CM
TOOL SERIAL NO.	RGRN 125 A011	TYPE	AmBe
		STRENGTH	3 CURIES

LOGGING DATA

RUN NO.	DEPTHS FROM	DEPTHS TO	SPEED M/MIN	GAMMA RAY T.C. SEC.	GAMMA RAY SENS SETTINGS	GAMMA RAY ZERO DIV. L OR R	GAMMA RAY API G. R. UNITS PER LOG DIV.	NEUTRON T.C. SEC.	NEUTRON SENS SETTINGS	NEUTRON ZERO DIV. L OR R	NEUTRON API N. UNITS PER LOG DIV.
ONE	0	25	4	3	100	0L	15	3	10,000	0L	260
	25	320	4	3	100	0L	15	3	5,000	0L	130
	12	17	4	3	100	0L	15	3	5,000	0L	130

REMARKS


ROKE
547

ROKE OIL ENTERPRISES LTD. CALGARY, ALBERTA

GAMMA RAY NEUTRON LOG

PR- Monkman 81(3)A

FILE NO.

LSD
SEC
TWP
RGE
W ___ M

COMPANY PETRO-CANADA EXPLORATION INC.

WELL MH - 81 - 01

LOCATION MONKMAN PASS PROJECT

FIELD DUKE MOUNTAIN

PROVINCE BRITISH COLUMBIA

Other Services:

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

K.B.
CSG
G.L.

METRIC

Run. No.	ONE
Date	4 MAR 1981
First Reading	198 M
Last Reading	0
Footage Logged	198
Depth Reached	199
Depth Driller	201
Casing Roke	
Casing Driller	31
Fluid Type	WATER
Liquid Level	3
Min. Diam.	10 CM
Rm @	
Operating Time	1 HOUR
Truck No.	106
Recorded By	FAGERNESS
Witnessed By	GIGLIOTTI

5447

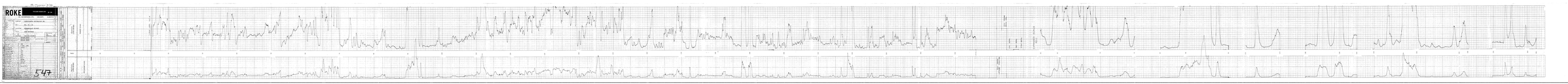
EQUIPMENT DATA

GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON
DIAMETER	3.18 CM	TOOL MODEL NO.	
DETECTOR MODEL NO.		DIAMETER	3.18 CM
TYPE	SCINTILLATION	DETECTOR MODEL NO.	
LENGTH	10.16 CM	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	2 M	LENGTH	15.24 CM
		SOURCE MODEL NO.	MRC-N-SS-W
GENERAL		SERIAL NO.	187
HOIST TRUCK NO.	106	SPACING	38.1 CM
INSTRUMENT TRUCK NO.	106	TYPE	AmBe
TOOL SERIAL NO.	RGRN 125 A001	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.
ONE	0	198	4	3	500	0	12	3	1000	0	70

REMARKS LOGGED THROUGH ROTARY DRILL RODS


ROKE
547

ROKE

SCHLUMBERGER WELL SURVEYING CORP.

COMPANY: ROCKHOUSE ENGINEERING INC.
WELL: 54
FIELD: [illegible]
COUNTY: [illegible]
STATE: [illegible]
LOCATION: [illegible]
PERMANENT DATUM: [illegible]
ELEV.: [illegible]
LOG MEASURED FROM: [illegible]
DRILLING MEASURED FROM: [illegible]
DATE: [illegible]
RUN NO.: [illegible]
TYPE LOG: [illegible]
DEPTH-DRILLER: [illegible]
DEPTH-LOGGER: [illegible]
BTM. LOG INTERVAL: [illegible]
TOP LOG INTERVAL: [illegible]
CASING-DRILLER: [illegible]
CASING-LOGGER: [illegible]
BIT SIZE: [illegible]
TYPE FLUID IN HOLE: [illegible]
DENS.: [illegible]
VISC.: [illegible]
PH: [illegible]
FLUID LOSS: [illegible]
SOURCE OF SAMPLE: [illegible]
RM @ MEAS. TEMP.: [illegible]
RMF @ MEAS. TEMP.: [illegible]
RMC @ MEAS. TEMP.: [illegible]
SOURCE OF RMF & RMC: [illegible]
RM @ BHT: [illegible]
TIME SINCE CIRC.: [illegible]
MAX. REC. TEMP.: [illegible]
EQUIP. LOCATION: [illegible]
RECORDED BY: [illegible]
WITNESSED BY: [illegible]

54

EQUIPMENT DATA

GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
LOG READ. NO.		LOG READ. NO.	
DIAM.(IN)	3.25 IN	DIAM.(IN)	3.25 IN
TYPE	SCINTILLATION	SOURCE-REC. NO.	
LENGTH	10.00 IN	TYPE	PROPORTIONAL
SENSITIVITY (U.R./DIV.)	[illegible]	LENGTH	10.00 IN
		SOURCE-REC. NO.	4PC-10 M
LOGGING SPEED	30	STRENGTH	[illegible]
LOGG. TRACK NO.	ONE	SPACING	24 & 36
CALIBRATOR NO.	4PC-10 M	TYPE	2 DECAY
CALIBRATOR NO.	BARE CASING	STRENGTH	2 CURIE

LOGGING DATA

GAMMA RAY							NEUTRON						
RUN NO.	TYPE	TOP	BOT.	LOG INT.	SCALE	TIME CON.	RUN NO.	TYPE	TOP	BOT.	LOG INT.	SCALE	TIME CON.
ONE	CSNG	SURF	1000	1000	5	1	ONE	CSNG	SURF	1000	1000	5	1

REMARKS: CASING SEATING SHOWN WITH SIGN

GAMMA RAY

GAMMA RAY RECORDED

0 100

NEUTRON

NEUTRON RECORDED

1000 1200

SCALE CHANGE @ 20 M.

LOWER CASING SEAT @ 21 M.

20 M.

20 M.

ROKE
547

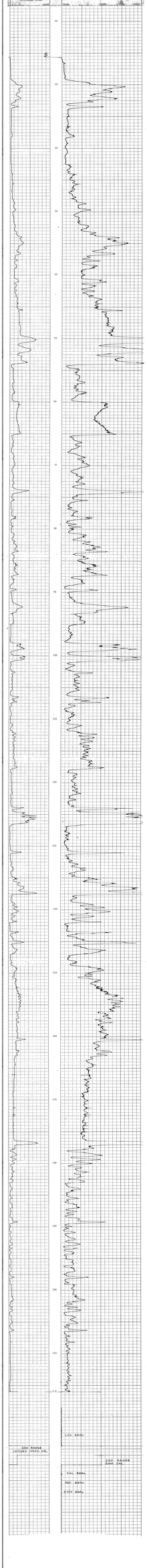
547

ROKE

HOUSTON BRANCH OF CO

REPORT TYPE	10	CURRENT RANGE	1000	MODEL RESISTANCE	1000	CONF'G	1
ELECTRODE SPACE	10	CHEAR WIDTH	100	CHEAR			
PRIMARY	100	CHECKED	1000	CHECKED			

RESISTIVITY (OHM-METERS)		RESISTIVITY (OHM-METERS)
		PRIMARY SCALE
SECONDARY SCALE		0 1000 2000 3000 4000
0 1000		



ROKE

GAMMA RAY NEUTRON LOG

547

COMPANY	ROKE PETROLEUM LTD.
WELL	ARMSTRONG
FIELD	
COUNTY	PROVOST
PROVINCE	ALBERTA

LOCATION	
OTHER SERVICES	
PERMANENT DATUM	GROUND LEVEL
ELEV.	K.B. 2700
LOG MEASURED FROM	K.B. 10 FT. ABOVE PERM. DATUM
DRILLING MEASURED FROM	K.B.
DATE	1-7-64
RUN NO.	ONE
DEPTH-DRILLER	1200
DEPTH-LOGGER	1200
BTM. LOG INTERVAL	1200
TOP LOG INTERVAL	100
CASING-DRILLER	8 5/8 @ 100
CASING-LOGGER	
BIT SIZE	7 7/8
TYPE FLUID IN HOLE	GEL CHEM
DENSITY	
VISCOSITY	
PH	
FLUID LOSS	
SOURCE OF SAMPLE	
RM @ MEAS. TEMP.	
RMF @ MEAS. TEMP.	
RMC @ MEAS. TEMP.	
SOURCE OF RMF & RMC	
RM @ BHT	
TIME SINCE CIRC.	
MAX. REC. TEMP.	
EQUIP. LOCATION	
RECORDED BY	
WITNESSED BY	

EQUIPMENT DATA

GAMMA RAY	
RUN NO.	ONE
TOOL MODEL NO.	
SCINTILLATOR CRYSTAL NO.	
CASE	2 1/2 DB
DISTANCE	
SOURCE STR. & SHAPE	
DETECTOR	
SPEED TRACK NO.	136
INSTRUMENT TRACK NO.	136
TIME MARKS NO.	MARK 321 60SEC

NEUTRON	
RUN NO.	ONE
TOOL MODEL NO.	NEUTRON
DETECTOR NO.	2 1/2 DB
DETECTOR MODEL NO.	PROPORTIONAL
SOURCE	CS-25 RS
SOURCE MODEL NO.	MDC N-25 M
SPACING	24
SPACING	ALL IN
TYPE	Audio
CURRENT	1.2MA/MA

LOGGING DATA

GAMMA RAY							NEUTRON						
RUN	FROM	TO	SPEED IN MIN.	TIME CONST.	SENS.	API UNITS CALIBRATION	RUN	FROM	TO	SPEED IN MIN.	TIME CONST.	SENS.	API UNITS CALIBRATION
ONE	100	1200	30	3	5		ONE	100	1200	30	3	5	

REMARKS: LOGGED THROUGH BARREL BOWL

GAMMA RAY | NEUTRON

GAMMA RAY INCREASES → | ← NEUTRON INCREASES

100 | 0 | 100

100

200

300

400

500

600

700

800

900

1000

1100

1200

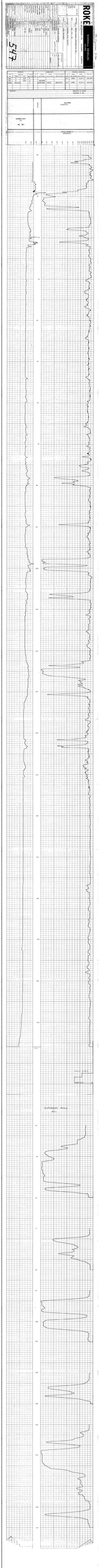
LOGGED UNTIL 12 M

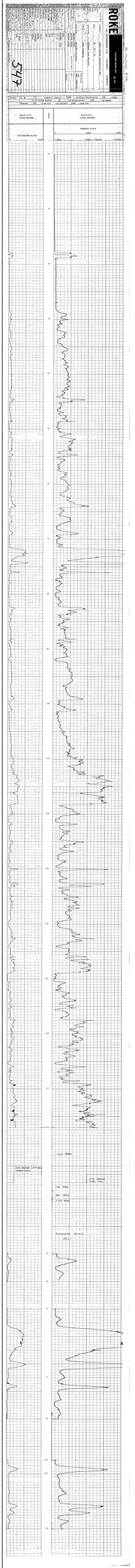
1000 1/64

EDGE

1000 1/64

EDGE


ROKE
547
EXPOSED ROLL
491


ROKE
547
PRIMARY SCALE
SECONDARY SCALE
LINE BEAM
CAL BEAM
REC BEAM
STAT BEAM
EXPANDED SCALE
40:1

ROKE

GAMMA RAY NEUTRON LOG

547

EQUIPMENT DATA

GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.		TOOL MODEL NO.	NEUTRON/NEUTRON
DIAMETER	3.25 IN	DIAMETER	3.18 IN
DETECTOR MODEL NO.		DETECTOR MODEL NO.	
LENGTH	10.16 IN	LENGTH	PROPORTIONAL
DISTANCE TO N. SOURCE	5.41 ft	DISTANCE	13.41 IN
		SOURCE MODEL NO.	MRC-A-10-M
SHIELD		SHIELD	
ASSY FIGURE NO.	106	MATERIAL	OIL FILLED
INSTRUMENT TRUCK NO.	106	TYPE	Audio
TOOL MODEL NO.	NGRR 325 A/B/C	STRENGTH	2 CURIES

LOGGING DATA

GENERAL								NEUTRON							
				SPEED	F.P.	MEAS	ZERO	MV to R UNITS			ZERO	ZERO	MV to R		
Run No.	Date	Depth Driller	Depth Logger	FT/MIN	SETTING	Csg. Log'd	Pos. Log'd	Pos.	Neg.		SETTING	Pos. Log'd	UNITS		
ONE	6 7	420	415	3	300	0		12	3		3000	0	170		

REMARKS: LOGGED THROUGH SURVEY DRILL RIGS

GAMMA RAY

NEUTRON

GAMMA RAY INCREASES

NEUTRON INCREASES

0 — 150

0 — 1000

0

10

20

30

40

50

60

70

80

90

100

110

120

130

140

150

160

170

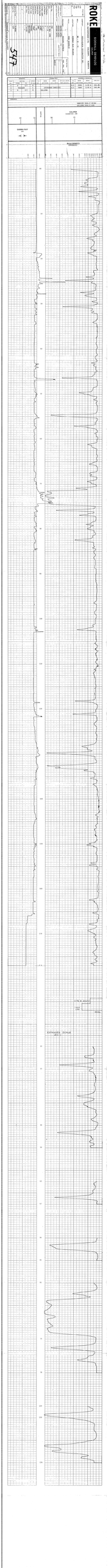
F.P.

F.P.

FEET

FEET

1000 CPS


ROKE
BOREHOLE GEOPHYSICS
547
GAMMA RAY
POLE DENSITY
EXPANDED SCALE

ROKE

OIL ENTERPRISES LTD. CALGARY, ALBERTA

GAMMA RAY NEUTRON LOG

Re- Monkman 81 (3A)

FILE NO.	
COMPANY	PETRO-CANADA EXPLORATION INC.
WELL	MH - 81 - 06
LOCATION	MONKMAN PASS PROJECT
FIELD	HONEY MOON
PROVINCE	BRITISH COLUMBIA
LSD / SEC / TWP / RGE / W	M
Other Services:	DENS-CAL, DIR
Permanent Datum	GROUND LEVEL Elev.
Log Measured from	GROUND LEVEL Above Perm. Datum
Well Depths Measured from	GROUND LEVEL
K.B. / CSG / G.L.	METRIC
Run No.	ONE
Date	13 MAR. 1981
First Reading	290 M
Last Reading	0
Footage Logged	290
Depth Reached	291
Depth Driller	292
Casing Roke	
Casing Driller	6.1
Fluid Type	WATER
Liquid Level	25.25 M
Min. Diam.	10 CM
Rm @	
Rm @	
Operating Time	1½ HOURS
Truck No.	106
Recorded By	FAGERNESS
Witnessed By	GIGLIOTTI

547

EQUIPMENT DATA

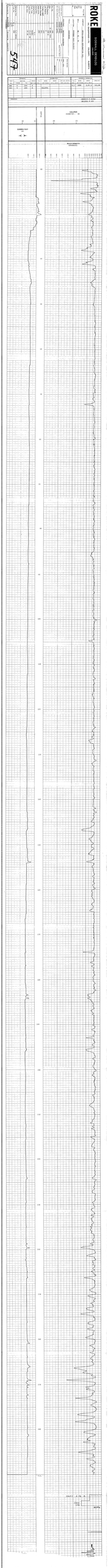
GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON
DIAMETER	3.18 CM	TOOL MODEL NO.	
DETECTOR MODEL NO.	1	DIAMETER	3.18 CM
TYPE	SCINTILLATION	DETECTOR MODEL NO.	15.7
LENGTH	10.16 CM	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	2.0 M	LENGTH	15.24 CM
		SOURCE MODEL NO.	MRC-N-SS-W
GENERAL		SERIAL NO.	187
HOIST TRUCK NO.	106	SPACING	38.1 CM
INSTRUMENT TRUCK NO.	106	TYPE	AmBe
TOOL SERIAL NO.	RGRN 125A001	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	290	4	3	500	0	10	3	1000	1 L	100
1	18	19	4	3	500	0	10	3	1000	21 L	100

REMARKS LOGGED THROUGH ROTARY DRILL RODS

GAMMA RAY	DEPTHS	NEUTRON
GAMMA RAY INCREASES		2100 ---- 100 ---- 4100
API 10		NEUTRON INCREASES
0 — 100		API 100
		100 — 2100



ROKE

BOREHOLE GEOPHYSICS

CALIPER

GAMMA RAY

DENSITY

MAGNETIC SUSCEPTIBILITY

SONIC

ROCK STRENGTH

547

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ROKE

COMPANY: BAKER HUGHES INCORPORATED
WELL: 547
FIELD: GREAT BEAR
COUNTY: BEAR
STATE: ALASKA

API NUMBER:		PERMANENT DATUM:	MSL
LOCATION:		ELEVATION:	KB: 0.00 FT
SECTION:		LOG MEASURED FROM:	KB 0.00 FT ABOVE PERM. DATUM
TOWNSHIP:		DRILLING MEASURED FROM:	KB
RANGE:			
FIELD:			
COUNTY:			
STATE:			
OTHER SERVICES:			
DATE:			
RUN NUMBER:			
DEPTH-DRILLER:			
DEPTH-LOGGER:			
BOTTOM LOGGED INTERVAL:			
TOP LOGGED INTERVAL:			
TYPE FLUID IN HOLE:			
SALINITY:			
DENSITY:			
LEVEL:			
SOURCE OF SAMPLE:			
RM @ MEAS TEMP:			
RMF @ MEAS TEMP:			
RMC @ MEAS TEMP:			
SOURCE OF RMF:			
SOURCE OF RMC:			
RM @ BHT:			
TIME SINCE CIRC:			
MAX REC TEMP:			
EQUIP. LOCATION:			
RECORDED BY:			
WITNESSED BY:			

RUN NO.	BIT SIZE	CASING SIZE	CASING WEIGHT	CASING DEPTH	BIT SIZE	CASING SIZE	CASING WEIGHT	CASING DEPTH

LOGGING UNIT NUMBER:

LOGGING ENGINEER:

GAMMA RAY

0 API 150

ELECTRON

RESISTIVITY (OHMM)

0.2 2000

1:240 (5"/100')

1:600 (2"/100')

Pr- Monkman 8/13A

ROKE

GAMMA RAY NEUTRON LOG

ROKE OIL ENTERPRISES LTD. CALGARY, ALBERTA

FILE NO.

LSD
SEC
TWP
RGE
W ___ M

COMPANY PETRO-CANADA EXPLORATION INC.

WELL MH - 81 - 07

LOCATION MONKMAN PASS PROJECT

FIELD HONEY MOON

PROVINCE BRITISH COLUMBIA

Other Services: GRN-OPEN, DENS-CAL, DIR.

Permanent Datum	GROUND LEVEL
Elev.	
Log Measured from	GROUND LEVEL
Above Perm. Datum	
Well Depths Measured from	GROUND LEVEL
K.B.	
CSG	
G.L.	
	METRIC

Run. No.	ONE
Date	15 MAR. 1981
First Reading	300 M
Last Reading	0
Footage Logged	300
Depth Reached	301
Depth Driller	302
Casing Roke	9.1
Casing Driller	9.1
Fluid Type	WATER
Liquid Level	6.5
Min. Diam.	10 CM
Rm @	
Operating Time	1½ HOURS
Truck No.	106
Recorded By	FAGERNESS
Witnessed By	GIGLIOTTI

547

EQUIPMENT DATA

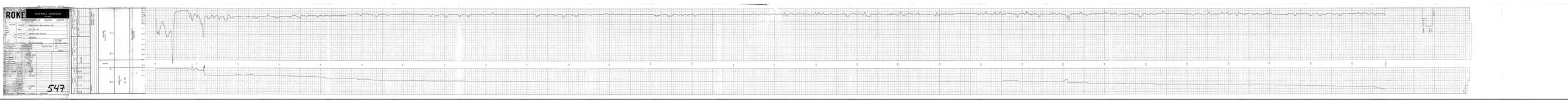
GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON
DIAMETER	3.18 CM	TOOL MODEL NO.	
DETECTOR MODEL NO.		DIAMETER	3.18 CM
TYPE	SCINTILLATION	DETECTOR MODEL NO.	
LENGTH	10.16 CM	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	2.0 M	LENGTH	15.24 CM
		SOURCE MODEL NO.	MRC-N-SS-W
GENERAL		SERIAL NO.	187
HOIST TRUCK NO.	106	SPACING	38.1 CM
INSTRUMENT TRUCK NO.	106	TYPE	AmBe
TOOL SERIAL NO.	RGRN 125A001	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	300	4	3	500	0	10	3	1000	1 L	100

REMARKS LOGGED THROUGH ROTARY DRILL RODS

GAMMA RAY	DEPTHS	NEUTRON
GAMMA RAY INCREASES → API 10; 0 – 100		NEUTRON INCREASES → API 100; 0 – 1100 – 2100


ROKE
BOREHALL DENBLOG
547

ROKE OIL ENTERPRISES LTD. CALGARY, ALBERTA

GAMMA RAY NEUTRON LOG

Pr-Monkman 81(3)A

FILE NO.	
COMPANY	PETRO-CANADA EXPLORATION INC.
WELL	MH - 81 - 08
LOCATION	MONKMAN PASS PROJECT
FIELD	HONEYMOON
PROVINCE	BRITISH COLUMBIA
LSD	
SEC	
TWP	
RGE	
W__M	
Other Services:	DIR, GRN-RODS, DENS-CAL
Permanent Datum	GROUND LEVEL Elev.
Log Measured from	GROUND LEVEL Above Perm. Datum
Well Depths Measured from	GROUND LEVEL
K.B.	
CSG	
G.L.	
	METRIC

Run. No.	ONE
Date	17 MAR 1981
First Reading	298 M
Last Reading	0
Footage Logged	298
Depth Reached	299
Depth Driller	302
Casing Roke	6.1
Casing Driller	6.1
Fluid Type	WATER
Liquid Level	18.25
Min. Diam.	10 CM
Rm @	
Operating Time	1.5 HOURS
Truck No.	106
Recorded By	FAGERNESS
Witnessed By	GIGLIOTTI

547

EQUIPMENT DATA

GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON
DIAMETER	3.18 CM	TOOL MODEL NO.	
DETECTOR MODEL NO.		DIAMETER	3.18 CM
TYPE	SCINTILLATION	DETECTOR MODEL NO.	
LENGTH	10.16 CM	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	2.0 M	LENGTH	15.24 CM
GENERAL		SOURCE MODEL NO.	MRC-N-SS-W
		SERIAL NO.	187
HOIST TRUCK NO.	106	SPACING	38.1 CM
INSTRUMENT TRUCK NO.	106	TYPE	AmBe
TOOL SERIAL NO.	RGRN 125 A001	STRENGTH	3 CURIES

LOGGING DATA

GENERAL				GAMMA RAY				NEUTRON			
RUN NO.	DEPTHS FROM	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.
ONE	0	18.5	4	3	500	0	18	3	1000	1 L	200
ONE	18.5	298	4	3	500	0	18	3	1000	1 L	100

REMARKS LOGGED OPEN-HOLE

Pre-Monkman 81(3A)

ROKE

GAMMA RAY NEUTRON LOG

OIL ENTERPRISES LTD. CALGARY, ALBERTA

FILE NO.
LSD
SEC
TWP
RGE
W____M

COMPANY PETRO-CANADA EXPLORATION INC.
WELL MH - 81 - 08
LOCATION MONKMAN PASS PROJECT
FIELD HONEYMOON
PROVINCE BRITISH COLUMBIA

Other Services:
GRN-OPEN
DENS-CAL, DIR

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

K.B.
CSG
G.L.
METRIC

Run. No.	ONE
Date	17 MAR 1981
First Reading	298 M
Last Reading	0
Footage Logged	298
Depth Reached	299
Depth Driller	302
Casing Roke	6.1
Casing Driller	6.1
Fluid Type	WATER
Liquid Level	
Min. Diam.	10 CM
Rm @	
Operating Time	1.5 HOURS
Truck No.	106
Recorded By	FAGERNESS
Witnessed By	GIGLIOTTI

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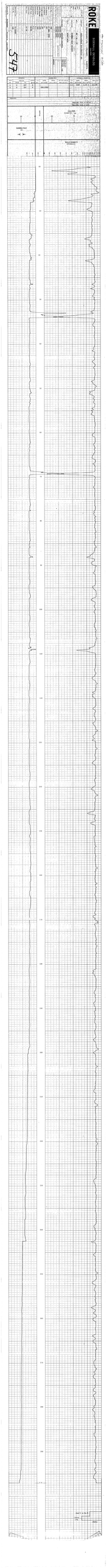
EQUIPMENT DATA

GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON
DIAMETER	3.18 CM	TOOL MODEL NO.	
DETECTOR MODEL NO.		DIAMETER	3.18 CM
TYPE	SCINTILLATION	DETECTOR MODEL NO.	
LENGTH	10.16 CM	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	2.0 M	LENGTH	15.24 CM
		SOURCE MODEL NO.	MRC-N-SS-W
GENERAL		SERIAL NO.	187
HOIST TRUCK NO.	106	SPACING	38.1 CM
INSTRUMENT TRUCK NO.	106	TYPE	AmBe
TOOL SERIAL NO.	RGRN 125 A001	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.
ONE	0	298	4	3	500	0	10	3	1000	1 L	100

REMARKS LOGGED THROUGH ROTARY DRILL RODS



ROKE

SIDEWALL LOGGING

COMPANY	ROKE OIL EXPLORATIONS LTD.
WELL	102-16-7-26
FIELD	TURNER VALLEY
PROVINCE	ALBERTA

LOCATION	102-16-7-26
COUNTY	
PROVINCE	ALBERTA
SERVICE ORDER	
PERMANENT DATUM	GROUND LEVEL
ELEV.	
LOG MEASURED FROM	KELLY BUSHING
DRILLING MEASURED FROM	KELLY BUSHING
ELEV.	

DATE	
RUN NO.	ONE
DEPTH-DRILLER	5477
DEPTH-LOGGER	5477
BTM. LOG INTERVAL	5477
TOP LOG INTERVAL	1000
CASING-DRILLER	8 5/8 @ 1000
CASING-LOGGER	
BIT SIZE	7 7/8
TYPE FLUID IN HOLE	GEL CHEM
DENSITY	10.0
VISCOSITY	50
PH	10.5
FLUID LOSS	8.0
SOURCE OF SAMPLE	FLOWLINE
RM @ MEAS. TEMP.	.75 @ 70
RMF @ MEAS. TEMP.	.60 @ 70
RMC @ MEAS. TEMP.	.90 @ 70
SOURCE RMF & RMC	MEASURED
RM @ BHT	.30 @ 140
TIME SINCE CIRC.	12 HRS.
MAX. REC. TEMP.	140
EQUIP. LOCATION	102-16-7-26
RECORDED BY	R. HUNT
WITNESSED BY	

RUN	BIT	FROM	TO	FEET	HOURS
ONE	7 7/8	1000	5477	4477	18

RUN	BOREHOLE RECORD			CASING RECORD			
	BIT NO.	SIZE	FROM	TO	SIZE & WGT.	FROM	TO
ONE	7	7 7/8	1000	5477	8 5/8	1000	5 IN. R.
TWO	(ESTIMATED)				5 1/2	1000	5 IN. R.

RUN	TYPE LOG	FROM	TO
ONE	GR-CAL-DEN	1000	5477
	GR-CAL-N	1000	5477

REMARKS

RECEIVED BY HEARN

GAMMA RAY
API

CALIPER
DIAMETER

BULK DENSITY
APPARENT

1000

2000

3000

4000

5000

SHOT 3.1/4

FROM 1.0

MRKR

EXPANDED SCALE
100'

5000

5100

5200

5300

5400

5477

ROKE

OIL ENTERPRISES LTD. CALGARY, ALBERTA

GAMMA RAY NEUTRON LOG

File No. 1
Log Date
Run No.
Depth Driller
Depth Logger
Btm. Log Int.
Top Log Int.
Casing Driller
Casing Logger
Btm. Log Int.
Top Log Int.

Permanent Datum: GROUND LEVEL — Elev.: 3194 M
Log Measured From: KELLY BUSHING — 3.18 M Above Perm. Datum
Drilling Measured From: KELLY BUSHING — Elev. K.B.: 3197.18 — Elev. G.L.: 3194

Rig: 5 — Type: SERVICE

WELL: 10-35-39-5W5 — SEC. 35 — TWP. 39 — RGE. 5 — M

FIELD: DOOK NORTH — LOCATION: NORMAN BASE BRANCH

COMPANY: ESSO RESOURCES CANADA LIMITED

Other Services: BHC

Witnessed By: MR. BOOR

Recorded By: STEVENSON

EQUIPMENT DATA

GAMMA RAY

RUN NO.	ONE
TOOL MODEL NO.	
DIAMETER	3.18 M
DETECTOR MODEL NO.	
TYPE	SCINTILLATION
LENGTH	10.16 CM
DISTANCE TO N. SOURCE	2.0 M

NEUTRON

RUN NO.	ONE
LOG TYPE	NEUTRON/NEUTRON
TOOL MODEL NO.	
DIAMETER	3.18 M
DETECTOR MODEL NO.	
TYPE	PROPORTIONAL
LENGTH	15.24 CM
SOURCE MODEL NO.	MRC-N-55-W
SERIAL NO.	265
SPACING	38.1 M
TYPE	Ansbe
STRENGTH	3 CURIES

GENERAL

HOIST TRUCK NO.	132
INSTRUMENT TRUCK NO.	132
TOOL SERIAL NO.	RGSE 123A011

LOGGING DATA

RUN NO.	GENERAL DEPTH FROM	DEPTH TO	SPEED M/min	GAMMA RAY T.C. SEC.	GAMMA RAY SENS SETTINGS	GAMMA RAY ZERO DIV. L OR R	GAMMA RAY API G. R. UNITS PER LOG DIV.	NEUTRON T.C. SEC.	NEUTRON SENS SETTINGS	NEUTRON ZERO DIV. L OR R	NEUTRON API N. UNITS PER LOG DIV.
1	0	128	4.5	3	500	0	18	3	5000	0	150

REMARKS: LOGGED THROUGH ROTARY DRILL RODS

GAMMA RAY | DEPTH (m) | NEUTRON

GAMMA RAY INCREASES → API 150 — 0 — 180

NEUTRON INCREASES → API 1500 — 0 — 3000

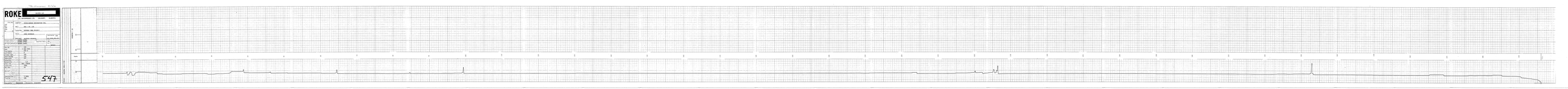
WATER LEVEL 38

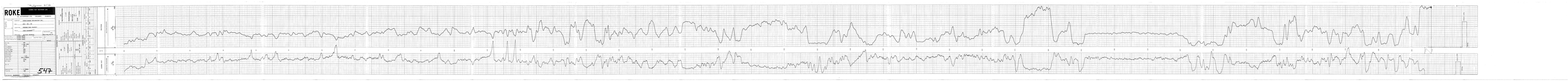
DEPTH (m): 00, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120

T.D.

GAMMA RAY 100 CPS

NEUTRON 1000 CPS


ROKE
547


ROKE
547

Fr - Monkman 81(3)A

ROKE OIL ENTERPRISES LTD. CALGARY, ALBERTA

FOCUSED BEAM LOG 20 CM

FILE NO.	
COMPANY	PETRO-CANADA EXPLORATION INC.
WELL	MUD - 81 - 04
LOCATION	MONKMAN PASS PROJECT
FIELD	DUKE MOUNTAIN
PROVINCE	BRITISH COLUMBIA
LSD / SEC / TWP / RGE / W M	
Other Services:	DENS-CAL, GRN, DIR
Permanent Datum	GROUND LEVEL
Elev.	
Log Measured from	GROUND LEVEL
Above Perm. Datum	
Well Depths Measured from	GROUND LEVEL
K.B. / CSG / G.L.	
	METRIC
Run. No.	ONE
Date	5 MAR 1981
First Reading	288 M
Last Reading	0
Footage Logged	288
Depth Reached	289
Depth Driller	345
Casing Roke	12.2
Casing Driller	12.2
Fluid Type	MUD / WATER
Liquid Level	
Min. Diam.	HQ
Rm @ °C	33 OHMS @ 4°
MUDFISH RESISTANCE	750 OHMS
Operating Time	1 HOUR
Truck No.	106
Recorded By	FAGERNESS
Witnessed By	GIGLIOTTI

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Remarks FBL # 10 CURRENT RANGE HIGH MUDFISH RESISTANCE 750 OHMS
7 ELECTRODE SONDE 20 CM BEAM WIDTH 100 CM ARRAY
PRIMARY 200 OHM/DIV SECONDARY 1000 OHM/DIV

RESISTIVITY (OHM-METERS)	Depths	RESISTIVITY (OHM-METERS)
SECONDARY SCALE 0 — 10000		PRIMARY SCALE 0 — 2000 — 4000; 13000 — 23000 — 33000

Pe-Monkman 81(3)

ROKE OIL ENTERPRISES LTD. CALGARY, ALBERTA

GAMMA RAY NEUTRON LOG

FILE NO.	
COMPANY	PETRO-CANADA EXPLORATION INC.
WELL	MUD - 81 - 04
LOCATION	MONKMAN PASS PROJECT
FIELD	DUKE MOUNTAIN
PROVINCE	BRITISH COLUMBIA
LSD / SEC / TWP / RGE / W M	
Other Services:	FBL 20' DENS-CAL, DIR
Permanent Datum	GROUND LEVEL
Elev.	
Log Measured from	GROUND LEVEL Above Perm. Datum
Well Depths Measured from	GROUND LEVEL
K.B. / CSG / G.L.	METRIC
Run No.	ONE
Date	5 MAR. 1981
First Reading	345 M
Last Reading	0
Footage Logged	345
Depth Reached	345
Depth Driller	345
Casing Driller	12.2
Casing Roke	
Fluid Type	MUD/WATER
Liquid Level	2.5
Min. Diam.	HQ
Rm @	
Operating Time	2 HOURS
Truck No.	106
Recorded By	FAGERNESS
Witnessed By	GIGLIOTTI

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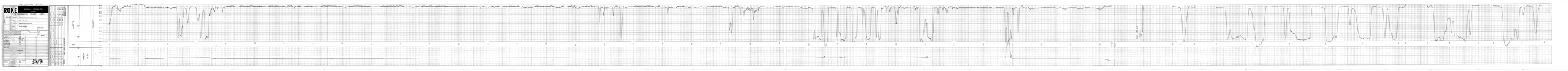
EQUIPMENT DATA

GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON
DIAMETER	3.18 CM	TOOL MODEL NO.	
DETECTOR MODEL NO.		DIAMETER	3.18 CM
TYPE	SCINTILLATION	DETECTOR MODEL NO.	
LENGTH	10.16 CM	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	2 M	LENGTH	15.24 CM
GENERAL		SOURCE MODEL NO.	MRC-N-SS-W
		SERIAL NO.	187
HOIST TRUCK NO.	106	SPACING	38.1 CM
INSTRUMENT TRUCK NO.	106	TYPE	AmBe
TOOL SERIAL NO.	RGRN 125A001	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	345	4	3	500	0	18	3	5000	0	150

REMARKS LOGGED THROUGH HQ DRILL RODS


ROKE
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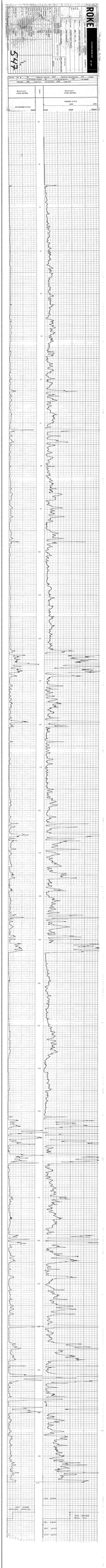
ROKE
547
PRIMARY SCALE
SECONDARY SCALE

ROKE

CONTROL AND INSTRUMENTATION

CUSTOMER	
LEASE	
WELL NO.	
FIELD	
COUNTY	
STATE	
DATE	
OPERATOR	
CONTRACTOR	
LOCATION	
FORMATION	
SEC	
TWP	
RGE	
PERMANENT DATUM	
ELEV.	
LOG MEASURED FROM	
DRILLING MEASURED FROM	
ELEV. K.B.	
ELEV. D.F.	
ELEV. G.L.	

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PRESSURE DATA

FLOW TEST		INITIAL SHUT-IN	
IHP (A)	PSI	TIME	MINUTES
IFP (B)	PSI	FINAL FLOW	
FINAL FLOW		TIME	MINUTES
TIME	MINUTES/HOURS	FINAL SHUT-IN	
FFP (C)	PSI	TIME	MINUTES/HOURS
DIFFERENCE (B-A) (MINUS)	PSI	FHP (D)	PSI

FINAL SHUT-IN PRESSURE	PSI		
FINAL FLOW PRESSURE	PSI		
INITIAL HYDROSTATIC	PSI		
TEMPERATURE	°F		

CASING DATA

SIZE	WEIGHT	GRADE	TOP	BOTTOM	SIZE	WEIGHT	GRADE	TOP	BOTTOM

TUBING DATA

SIZE	WEIGHT	GRADE	TOP	BOTTOM	SIZE	WEIGHT	GRADE	TOP	BOTTOM

REMARKS

CASING VALVE OPENED @ 0612 TIME

RECORDER NO. 1

CASING VALVE RECORDER

0 PSI 1000

INITIAL SHUT-IN PRESSURE

0 PSI 1000

FINAL SHUT-IN PRESSURE

0 PSI 1000

FINAL FLOW PRESSURE

0 PSI 1000

INITIAL HYDROSTATIC

0 PSI 1000

TEMPERATURE

0 °F 200

RECORDER NO. 2

TUBING VALVE RECORDER

0 PSI 1000

INITIAL SHUT-IN PRESSURE

0 PSI 1000

FINAL SHUT-IN PRESSURE

0 PSI 1000

FINAL FLOW PRESSURE

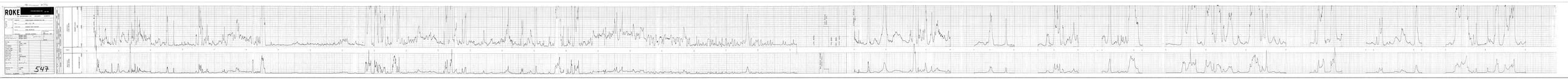
0 PSI 1000

INITIAL HYDROSTATIC

0 PSI 1000

TEMPERATURE

0 °F 200


ROKE
547

ROKE

GAMMA RAY NEUTRON LOG

OIL ENTERPRISES LTD. CALGARY, ALBERTA

Pc-Monkman 81(3)a

FILE NO.	
COMPANY	PETRO CANADA EXPLORATION INC.
WELL	MUD - 81 - 06
LOCATION	MONKMAN PASS PROJECT
FIELD	DUKE MOUNTAIN
PROVINCE	BRITISH COLUMBIA
LSD / SEC / TWP / RGE / W __ M	
Other Services:	DIR, DENS-CAL, FBL
Permanent Datum	GROUND LEVEL
Elev.	
Log Measured from	GROUND LEVEL
Above Perm. Datum	
Well Depths Measured from	GROUND LEVEL
K.B.	
CSG	
G.L.	
	METRIC

Run. No.	ONE
Date	9 MAR. 1981
First Reading	252 M
Last Reading	0
Footage Logged	252
Depth Reached	253
Depth Driller	258
Casing Roke	
Casing Driller	12.2
Fluid Type	MUD/WATER
Liquid Level	26.5
Min. Diam.	HQ
Rm @	
Operating Time	1½ HOURS
Truck No.	106
Recorded By	FAGERNESS
Witnessed By	GIGLIOTTI

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EQUIPMENT DATA

GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON
DIAMETER	3.18 CM	TOOL MODEL NO.	
DETECTOR MODEL NO.		DIAMETER	3.18 CM
TYPE	SCINTILLATION	DETECTOR MODEL NO.	
LENGTH	10.16 CM	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	2.0 M	LENGTH	15.24 CM
		SOURCE MODEL NO.	MRC-N-SS-W
GENERAL		SERIAL NO.	187
HOIST TRUCK NO.	106	SPACING	38.1 CM
INSTRUMENT TRUCK NO.	106	TYPE	AmBe
TOOL SERIAL NO.	RGRN 125A001	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	252	4	3	500	0	12	3	1000	0	120

REMARKS LOGGED THROUGH HQ DRILL RODS

GAMMA RAY	DEPTHS	NEUTRON

ROKE OIL ENTERPRISES LTD. CALGARY, ALBERTA

FOCUSED BEAM LOG 20 CM

PC-MONKMAN 81(3)

FILE NO.	
COMPANY	PETRO CANADA EXPLORATION INC.
WELL	MUD - 8L - 08
LOCATION	MONKMAN PASS PROJECT
FIELD	DUKE MOUNTAIN
PROVINCE	BRITISH COLUMBIA
LSD / SEC / TWP / RGE / W M	
Other Services:	DIR. DENS-CAL. GRN
Permanent Datum	GROUND LEVEL Elev.
Log Measured from	GROUND LEVEL Above Perm. Datum
Well Depths Measured from	GROUND LEVEL
K.B. / CSG / G.L.	METRIC

Run No.	ONE
Date	14 MAR. 1981
First Reading	313 M
Last Reading	15
Footage Logged	298
Depth Reached	314
Depth Driller	316
Casing Roke	15.9
Casing Driller	15.9
Fluid Type	MUD/WATER
Liquid Level	1 M
Min. Diam.	HQ
Rm @ °C	22.5 @ 4 °C
Operating Time	1½ HOURS
Truck No.	106
Recorded By	FAGERNESS
Witnessed By	GIGLIOTTI

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Remarks FBL # 10 CURRENT RANGE HIGH MUDFISH RESISTANCE 1500 OHMS
7 ELECTRODE SONDE 20 CM BEAM WIDTH 100 CM ARRAY
PRIMARY 200 OHM/DIV SECONDARY 1000 OHM/DIV

RESISTIVITY (OHM-METERS)	Depths	RESISTIVITY (OHM-METERS)
SECONDARY SCALE 0 — 10000		PRIMARY SCALE 0 — 2000 — 4000; 13000 — 23000 — 33000

ROKE OIL ENTERPRISES LTD. CALGARY, ALBERTA

GAMMA RAY NEUTRON LOG

Pr-Monkman 81(3)A

FILE NO.	
COMPANY	PETRO-CANADA EXPLORATION INC.
WELL	MUD - 81 - 08
LOCATION	MONKMAN PASS PROJECT
FIELD	DUKE MOUNTAIN
PROVINCE	BRITISH COLUMBIA
LSD / SEC / TWP / RGE / W. M	
Other Services:	DENS-CAL,FEL,DIR
Permanent Datum	GROUND LEVEL
Elev.	
Log Measured from	GROUND LEVEL
Above Perm. Datum	
Well Depths Measured from	GROUND LEVEL
K.B. / CSG / G.L.	METRIC

Run No.	ONE	
Date	14 MAR 1981	
First Reading	309 M	
Last Reading	0	
Footage Logged	309	
Depth Reached	310	
Depth Driller	316	
Casing Roke		
Casing Driller	15.9	
Fluid Type	MUD / WATER	
Liquid Level	1 M	
Min. Diam.	HQ	
Rm @		
Operating Time	2 HOURS	
Truck No.	106	
Recorded By	FAGERNESS	Witnessed By GIGLIOTTI

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EQUIPMENT DATA

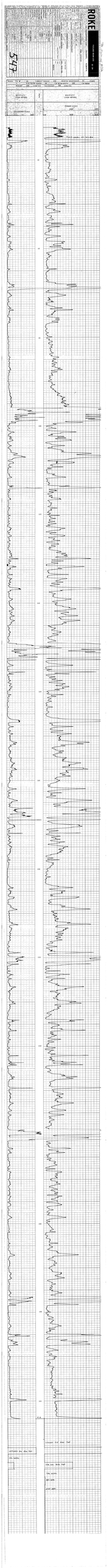
GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON
DIAMETER	3.18 CM	TOOL MODEL NO.	
DETECTOR MODEL NO.		DIAMETER	3.18 CM
TYPE	SCINTILLATION	DETECTOR MODEL NO.	
LENGTH	10.16 CM	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	2.0 M	LENGTH	15.24 CM
		SOURCE MODEL NO.	MRC-N-SS-W
GENERAL		SERIAL NO.	187
HOIST TRUCK NO.	106	SPACING	38.1 CM
INSTRUMENT TRUCK NO.	106	TYPE	AmBe
TOOL SERIAL NO.	RGRN 125 A001	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.
ONE	35	309	4	3	500	0	18	3	1000	0	90
ONE	0	35	4	3	500	0	18	3	1000	0	180

REMARKS LOGGED THROUGH HQ DRILL RODS

GAMMA RAY	DEPTHS	NEUTRON


ROKE
547

ROKE

GAMMA RAY NEUTRON LOG

COMPANY			
WELL			
FIELD			
COUNTY			
STATE			
LOCATION			
SEC	TWP	RGE	
PERMANENT DATUM		ELEV.	
LOG MEASURED FROM			
DRILLING MEASURED FROM			

RUN NO.			
DATE			
TYPE LOG			
DEPTH DRILLER			
DEPTH LOGGER			
BTM. LOG INTERVAL			
TOP LOG INTERVAL			
CASING DRILLER			
CASING LOGGER			
BIT SIZE			
TYPE FLUID IN HOLE			
DENS. VISC.			
PH FLUID LOSS			
SOURCE OF SAMPLE			
RM @ MEAS. TEMP.			
RMF @ MEAS. TEMP.			
RMC @ MEAS. TEMP.			
SOURCE RMF RMC			
RM @ BHT			
TIME CIRC.			
TIME SINCE CIRC.			
MAX. REC. TEMP.			
EQUIP. NO. LOCATION			
RECORDED BY			
WITNESSED BY			

RUN NO. DATA

RUN NO.	BIT SIZE	CASING DRILLER	CASING LOGGER	TOP LOG INTERVAL	BTM. LOG INTERVAL	TYPE FLUID IN HOLE	DENS. VISC.

GAMMA RAY

CORRELATION RECORDED

NEUTRON

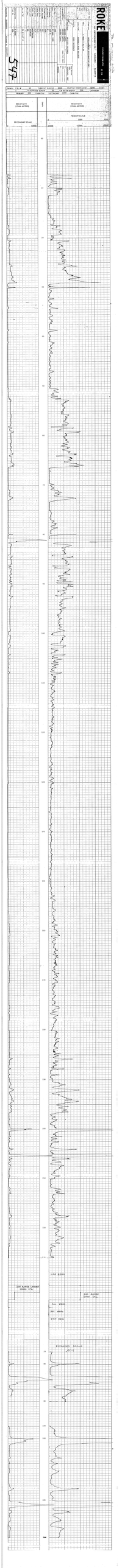
NEUTRON RECORDED

0 API 200

0 CPS 1000

Casing Collar Log Scale 20 Feet per Inch

Casing Collar Log Scale 20 Feet per Inch


ROKE
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ROKE

GAMMA RAY NEUTRON LOG

PRODUCTION ACCELERATION INC.

COMPANY

WELL

FIELD

COUNTY

STATE

Other Services

Permanent Datum

Elev.: K.B.

D.F.

G.L.

Log Measured From

Drilling Measured From

Date

Run No.

Depth-Driller

Depth-Logger

Bottom Logged Interval

Top Logged Interval

Type Fluid in Hole

Salinity, PPM Cl

Density

Level

Max. Rec. Temp. Deg. F

Operating Rig Time

Recorded By

Witnessed By

BORE RECORD			
No.	Bit From	To	Size

CASING RECORD			
No.	Size	Wgt.	From	To

TUBING RECORD			
No.	Size	Wgt.	From	To

TYPE JOINT		

CONTRACTOR	

RECORDED BY	

WITNESSED BY	

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EQUIPMENT DATA

SONDE NO.	1000
FINAL MODEL NO.	5 1/8 CM
SOURCE MODEL NO.	
TYPE	40 MC CU CAT TOM
STRENGTH	125 CM
DISTANCE TO X-OVER	

CABLE NO.	1000
LENGTH	5 1/8
ASSET TAGS NO.	136
FINAL MEAS. NO.	5000 1126-005

DETECTOR	
SONDE NO.	
DETECTOR MODEL NO.	
TYPE	
AMPLIFIER MODEL NO.	
TYPE	
CORE	
DIAMETER	

SELECTION	1000
	NEUTRON/INDUCTION
	5 1/8 CM
	PROPORTIONAL
	50, 90, 130
	MAG. N 00 W
	1
	14.1 CM
	Pacific
	7 128 225

LOGGING DATA

RUN	DATE	TIME	TOP LOGGED INTERVAL	BOTTOM LOGGED INTERVAL	CASING SIZE & WGT.	TYPE FLUID IN HOLE	DENSITY	LEVEL	MAX. REC. TEMP. DEG. F.	EQUIP. NO.	LOCATION
1	7-28	1130	0	5000					130		

REMARKS: LOGGED ENGLISH, NO. OF ALL RUNS

GAMMA RAY

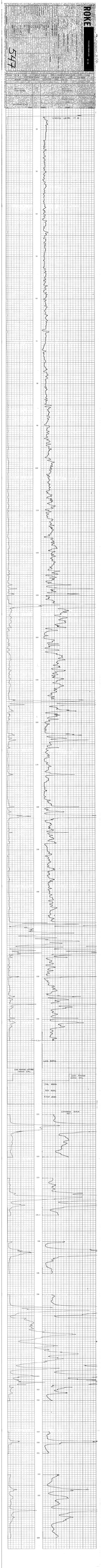
GAMMA RAY INCREASES

API
0 ——— 150

NEUTRON

NEUTRON INCREASES

0 ——— 1000


ROKE
574

Pre-Monkman 81(3)A

ROKE OIL ENTERPRISES LTD. CALGARY, ALBERTA

GAMMA RAY NEUTRON LOG

FILE NO.	
LSD	
SEC	
TWP	
RGE	
W___M	
COMPANY	PETRO-CANADA EXPLORATION INC.
WELL	MUD - 81 - 11
LOCATION	MONKMAN COAL PROJECT
FIELD	DUKE MOUNTAIN
PROVINCE	BRITISH COLUMBIA
Other Services:	DENS-CAL, FBL
Permanent Datum	GROUND LEVEL
Elev.	
Log Measured from	GROUND LEVEL
Above Perm. Datum	
Well Depths Measured from	GROUND LEVEL
K.B.	
CSG	
G.L.	
	METRIC

Run. No.	ONE
Date	20 MAR. 1981
First Reading	230 M.
Last Reading	0
Footage Logged	230
Depth Reached	231
Depth Driller	237
Casing Roke	7.3
Casing Driller	7.3
Fluid Type	MUD/WATER
Liquid Level	13
Min. Diam.	HQ
Rm @	
Operating Time	1½ HOURS
Truck No.	106
Recorded By	FAGERNESS
Witnessed By	GIGLIOTTI

547

EQUIPMENT DATA

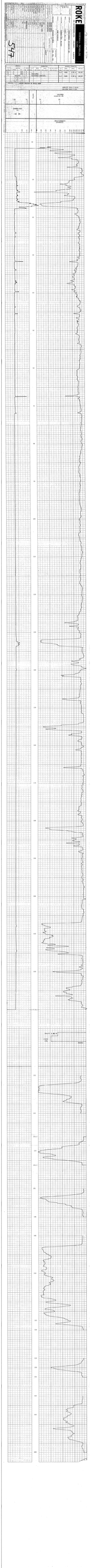
GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON
DIAMETER	3.18 CM	TOOL MODEL NO.	
DETECTOR MODEL NO.		DIAMETER	3.18 CM
TYPE	SCINTILLATION	DETECTOR MODEL NO.	
LENGTH	10.16 CM	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	2.0 CM	LENGTH	15.24 CM
		SOURCE MODEL NO.	MRC-N-SS-W
GENERAL		SERIAL NO.	187
HOIST TRUCK NO.	106	SPACING	38.1 CM
INSTRUMENT TRUCK NO.	106	TYPE	AmBe
TOOL SERIAL NO.	RGRN 125A001	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	230	4	3	500	0	15	3	1000	0	90
1	VARIOUS	---	4	3				3	1000	20 L	90

REMARKS LOGGED THROUGH HQ DRILL RODS

GAMMA RAY	DEPTHS	NEUTRON
GAMMA RAY INCREASES →		NEUTRON INCREASES →
API 15		1800 – 90 – 3600; API 90
0 – 100		0 – 900 – 1800



ROKE

GAMMA RAY NEUTRON LOG

OIL LIMITED

CALGARY, ALBERTA

WELL: PANEL CHEMICAL DEEP DEVELOPMENT INC.

FIELD: WILDCAT

LOCATION: 10-26-23-5W4M

SEC. 26 TWP. 23 RGE. 5 W 4 M

COUNTY OR PROVINCE: ALBERTA

ELEV.: K.B. 1178 D.F. G.L.

Permanent Datum: GROUND LEVEL

Log Measured From: K.B. 12 FT. ABOVE PERM. DATUM

Drilling Measured From: K.B.

DATE: 1-JUNE-78

RUN NO.: ONE

DEPTH-DRILLER: 1400

DEPTH-LOGGER: 1398

BTM. LOG INTERVAL: 1395

TOP LOG INTERVAL: 100

CASING-DRILLER: 13 3/8 @ 100

CASING-LOGGER: 100

BIT SIZE: 8 1/2

TYPE FLUID IN HOLE: GEL CHEM

DENSITY: 9.3

VISCOSITY: 45

PH: 9.5

FLUID LOSS: 8.4

SOURCE OF SAMPLE: FLOWLINE

RM @ MEAS. TEMP.: .5 @ 70

RMF @ MEAS. TEMP.: .4 @ 70

RMC @ MEAS. TEMP.: .6 @ 70

SOURCE RMF: MEASURED

SOURCE RMC: MEASURED

RM @ BHT: .3 @ 110

TIME CIRC. BEFORE LOG: 6 HRS

TIME SINCE CIRC.: 8 HRS

MAX. REC. TEMP.: 110

EQUIP. NO.: 1

LOCATION: 5W4

RECORDED BY: R. BOWN

WITNESSED BY: MR. PANEL

5447

EQUIPMENT DATA

GAMMA RAY

RUN NO.: ONE

TOOL MODEL NO.:

DIAMETER: 3.18 OH

DETECTOR MODEL NO.: SC-SCINTILLATION

LENGTH: 10.16 OH

DISTANCE TO N. SOURCE: 2.7 M

GENERAL

BOOST TRUCK NO.: 106

INSTRUMENT TRUCK NO.: 106

TOOL SERIAL NO.: NGRS 1154-001

NEUTRON

RUN NO.: ONE

LOG TYPE: NEUTRON/NEUTRON

TOOL MODEL NO.:

DIAMETER: 3.18 OH

DETECTOR MODEL NO.:

TYPE: PROPORTIONAL

LENGTH: 15.24 OH

SOURCE MODEL NO.: MSC-N-65 W

SERIAL NO.: 187

SPACING: 16.1 OH

TYPE: Am-Be

STRENGTH: 3 CURIES

LOGGING DATA

GENERAL

RUN NO.	DEPTHS FROM	DEPTHS TO	SPEED ft/min	T.C. MIN.	SENS. SETTINGS	GAMMA RAY ZERO DIV. L.SW.M.	GAMMA RAY API G. R. UNITS PER LOG DIV.	T. C. SEC.	NEUTRON SENS. SETTINGS	NEUTRON ZERO DIV. L.SW.M.	NEUTRON API N. UNITS PER LOG DIV.
1	0	133	4	3	500	0	10	3	1000	0	100

REMARKS: LOGGED THROUGH DP, DRILL RODS

GAMMA RAY

API/FT

NEUTRON

GAMMA RAY INCREASES

API 10

0 100

NEUTRON INCREASES

API 100

0 2600

100 CPS

ZERO

500 CPS

ZERO

Re-Markmad 81/37A

ROKE

SIDEWALL DENSILOG

OIL ENTERPRISES LTD. CALGARY, ALBERTA

FILE NO.
LSD
SEC
TWP
RGE
W M

COMPANY PETRO CANADA EXPLORATION INC.

WELL MUD - 81 - 12

LOCATION MONKMAN COAL PROJECT

FIELD DUKE MOUNTAIN

PROVINCE BRITISH COLUMBIA

Other Services: GRN

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

K.B.
CSG
G.L.
METRIC

Run. No.	ONE		
Date	21 MAR. 1981		
First Reading	48 M		
Last Reading	0		
Footage Logged	48		
Depth Reached	49		
Depth Driller	142		
Casing Roke	43.5		
Casing Driller	43.5		
Fluid Type	MUD/WATER		
Liquid Level	FULL		
Min. Diam.	HQ		
Operating Time	½ HOUR		
Truck No.	106		

547

Recorded By FAGERNESS Witnessed By GIGLIOTTI

GENERAL 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	48	8					0.5	5000	2.93	141.84

REMARKS

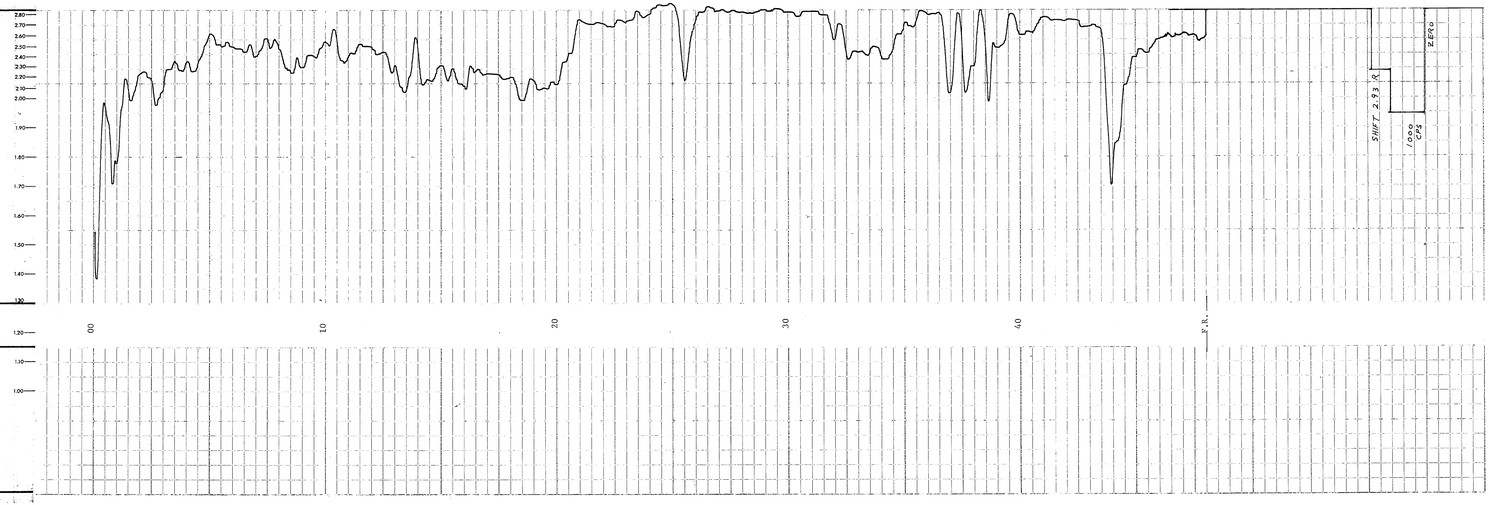
DENSITY TOOL # 247AS

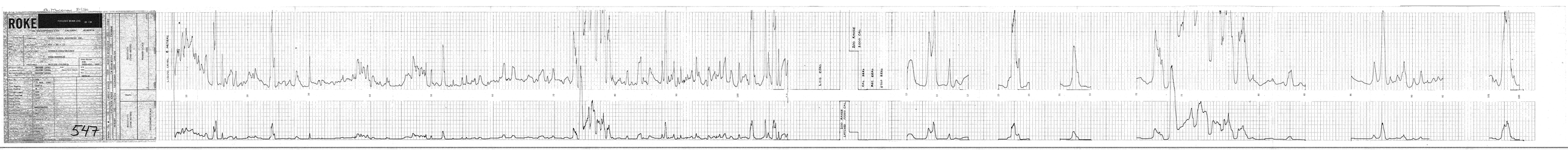
CALIPER DIAMETER

DEPTHS

GAMMA RAY API

BULK DENSITY (GRAMS/CC)




ROKE
FOCUSED BEAM LOG
20 CM
CALGARY, ALBERTA
547
LOG ZERO
200 RANGE
2000 CAL
CAL ZERO
REC ZERO
STOP ZERO
200 RANGE
LETSCHER 2000 CAL

ROKE

GAMMA RAY NEUTRON LOG

OIL ENTERPRISES LTD. CALGARY, ALBERTA

COMPANY ROKE OIL ENTERPRISES LTD.

WELL BEAR-MANA RECREATION SEC. 1-36-43-5 W5M

FIELD JUDY CREEK

LOCATION 1980 FSL & 1980 FEL

PROVINCE ALBERTA

Permanent Datum: GROUND LEVEL — Elev.: K.B. 1006, D.F., G.L. 1003

Log Measured From: KELLY BUSHING — 3 Ft. Above Perm. Datum

Drilling Measured From: KELLY BUSHING

API No.

Location: Other Services

Rge. 5 W5M

Twp. 43

Sec. 36

Elev.: K.B. 1006, D.F., G.L. 1003

Permanent Datum: GROUND LEVEL

Log Measured From: KELLY BUSHING, 3 Ft. Above Perm. Datum

Drilling Measured From: KELLY BUSHING

Date	22-JUN-81
Run No.	ONE
Depth-Driller	1105 M
Depth-Logger	1104 M
Bottom Logged Interval	1103 M
Top Logged Interval	100 M
Casing-Driller	177.8 @ 100 M
Casing-Logger	177.8 @ 100 M
Bit Size	152 MM
Type Fluid in Hole	GEL CHEM
Density	1.1
Viscosity	50
pH	10.5
Fluid Loss	13.0
Source of Sample	MUD PIT
Rm @ Meas. Temp.	2.6 @ 20 C
Rmf @ Meas. Temp.	2.6 @ 20 C
Rmc @ Meas. Temp.	2.6 @ 20 C
Source of Rmf & Rmc	MEASURED
Rm @ BHT	1.3 @ 50 C
Time Since Circ.	7 HRS
Time Since Circ.	8 HRS
Max. Rec. Temp.	50 C
Equipment No.	106
Location	
Recorded By	R. SWANSON
Witnessed By	A. MUNDEN

EQUIPMENT DATA

GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON
DIAMETER	3,18 CM	TOOL MODEL NO.	
DETECTOR MODEL NO.		DIAMETER	3,18 CM
TYPE	SCINTILLATION	DETECTOR MODEL NO.	
LENGTH	10,16 CM	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	2,0 M	LENGTH	13,21 CM
GENERAL		SOURCE MODEL NO.	MRC-N 65 W
HOIST TRUCK NO.	106	SERIAL NO.	187
INSTRUMENT TYPE NO.	106	SPACING	38,1 CM
TOOL SERIAL NO.	RGSN 125 A001	TYPE	AmBe
		STRENGTH	3 CURIES

LOGGING DATA

GENERAL				GAMMA RAY				NEUTRON			
RUN NO.	DEPTH FROM	DEPTH TO	SPEED M /MIN	T.C. SEC.	SENS SETTINGS	API G. R. UNITS 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
ONE	0	105	4	3	100	0	10	3	5000	0	150

REMARKS: LOGGED THROUGH ID DRILL RODS

GAMMA RAY — GAMMA RAY INCREASES — API 0 180

NEUTRON — NEUTRON INCREASES — API 1500 3000

LIQUID LEVEL 7,0 M

100 CPS

ZERO

1000 CPS

ZERO

F.S.

F.S.

547

A. Munden 8/34

547

ROKE

SCHLUMBERGER DOWELL

COMPANY	ARCO OIL AND GAS COMPANY
WELL	SOUTH PEMBERTON UNIT #1
FIELD	WILDCAT
COUNTY	SUBLETTE
STATE	WYOMING
LOCATION	
OTHER SERVICES	
SEC	
TWP	
RGE	
PERMANENT DATUM	GL
ELEV.	6,500
LOG MEASURED FROM	KB 14 FT. ABOVE PERM. DATUM
DRILLING MEASURED FROM	KB
DATE	11-8-84
RUN NO.	ONE
TYPE FLUID IN HOLE	WATER
DENSITY	8.4
VISCOSITY	28
PH	10
FLUID LOSS	N/A
SOURCE OF SAMPLE	FLOWLINE
RM @ MEAS. TEMP.	.08 @ 70
RMF @ MEAS. TEMP.	.07 @ 70
RMC @ MEAS. TEMP.	.09 @ 70
RM @ BHT	.04 @ 170
TIME SINCE CIRC.	12 HRS
MAX. REC. TEMP.	170
EQUIP. LOCATION	1-1
RECORDED BY	
WITNESSED BY	

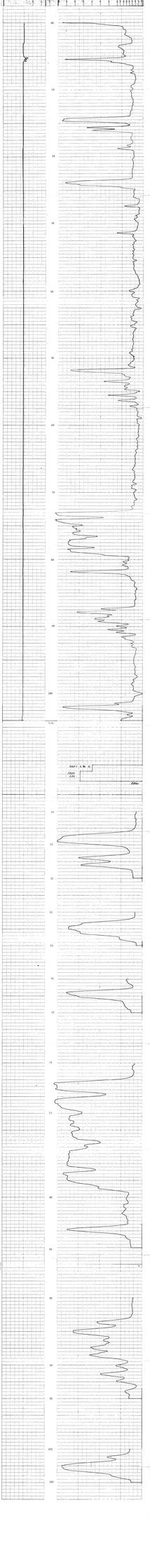
CASING RECORD				TUBING RECORD			
SIZE	WGT.	TOP	BOTTOM	SIZE	WGT.	TOP	BOTTOM
13 3/8	54.5	0	1,000	2 7/8	6.5	0	6,400
9 5/8	36	0	6,400				
7	26	0	10,000				

REMARKS: CALCULATED FROM RECORDED DATA FILES

CALIPER
DIAMETER / IN
6 10

GAMMA RAY
GAPI
0 100

BULK DENSITY
GRAM/CC
1.95 2.95



PR-MONKMAN 81(3)A

ROKE

FOCUSED BEAM LOG 20 CM

OIL ENTERPRISES LTD. CALGARY, ALBERTA

FILE NO.	
LSD	
SEC	
TWP	
RGE	
W M	
COMPANY	PETRO CANADA (COAL DIVISION)
WELL	MID 81 - 14
LOCATION	MONKMAN CAMP
FIELD	DUCHESS
PROVINCE	BRITISH COLUMBIA
Other Services	GR-N, DEN-CAL, DIR
Permanent Datum	GROUND LEVEL
Elev.	
Log Measured From	ROTO FLOOR 0.2 m
Above Perm. Datum	
K.B.	
CSG	
G.L.	
Well Depths Measured From	

Run. No.	ONE		
Date	10 JUNE 1981		
First Reading	96		
Last Reading	4		
Footage Logged	90		
Depth Reached	95		
Depth Driller			
Casing Rake	4.2		
Casing Driller			
Fluid Type	WATER		
Liquid Level	FLOWING		
Min. Diam.	80		
Rm @ °C	45 @ 7.5°C		
Operating Time	4 HOUR		
Truck No.	107		
Recorded By	SIM	Witnessed By	GIGLIOTTI

547

Remarks: FBL #: 12 CURRENT RANGE BIDE MUDFISH RESISTANCE 300 OHMS

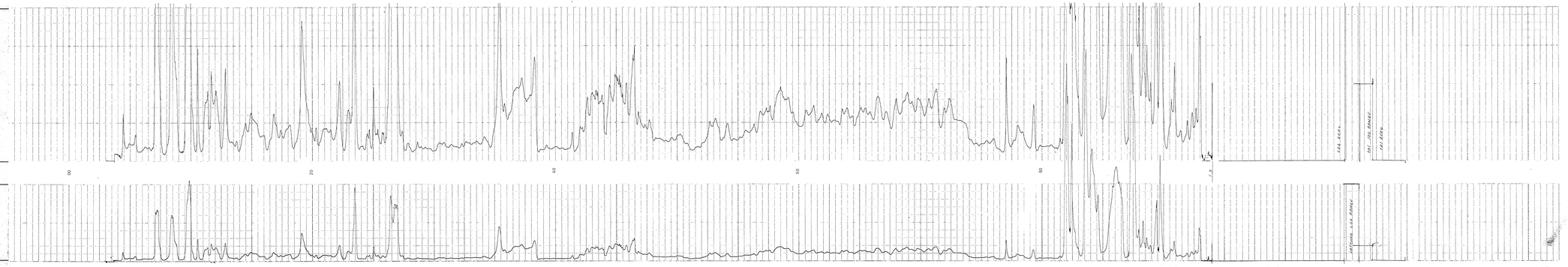
7 ELECTRODE SPACE 20 CM BEAM WIDTH 100 CM ARRAY

PRIMARY 100 OHM/DIV SECONDARY 500 OHM/DIV

RESISTIVITY (OHM-METERS) PRIMARY SCALE 0 1000 2000 6500 11500 16500

Depths

RESISTIVITY (OHM-METERS) SECONDARY SCALE 0 5000



ROKE OIL ENTERPRISES LTD. CALGARY, ALBERTA

GAMMA RAY NEUTRON LOG

Fre - Monkman - 81 (3A)

FILE NO.	
COMPANY	PETRO CANADA (COAL DIVISION)
WELL	MUD 81 - 14
LOCATION	MONKMAN CAMP
FIELD	DUCHESS
PROVINCE	BRITISH COLUMBIA
LSD / SEC / TWP / RGE / W___M	
Permanent Datum	GROUND LEVEL Elev.
Log Measured from	RIG FLOOR 0.2 m Above Perm. Datum
Well Depths Measured from	
Other Services:	DEN-CAL, FBL DIR
K.B. / CSG / G.L.	

Run No.	ONE
Date	10 JUNE 1981
First Reading	147
Last Reading	0
Footage Logged	147
Depth Reached	147.3
Depth Driller	
Casing Roke	4.2
Casing Driller	
Fluid Type	WATER
Liquid Level	FLOWING
Min. Diam.	HQ
Rm @	45 @ 7.5°C
Operating Time	1 HOUR
Truck No.	107
Recorded By	SIM
Witnessed By	GIGLIOTTI

547

EQUIPMENT DATA

GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON
DIAMETER	32 mm	TOOL MODEL NO.	
DETECTOR MODEL NO.		DIAMETER	32 mm
TYPE	SCINTILLATION	DETECTOR MODEL NO.	
LENGTH	10 cm	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	2.1 m	LENGTH	15 cm
		SOURCE MODEL NO.	MRC-N-SS-W
GENERAL		SERIAL NO.	50
HOIST TRUCK NO.		SPACING	43 cm
INSTRUMENT TRUCK NO.		TYPE	AmBe
TOOL SERIAL NO.	125A005	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	147	4	4	100	0L	15 API	3	1 K	0L	120 API

REMARKS LOGGED THROUGH HQ DRILL RODS

GAMMA RAY.	DEPTHS	NEUTRON
GAMMA RAY INCREASES → API 15; 0 – 150		NEUTRON INCREASES → API 120; 1200 – 2400

FK-Monkman 81(3)B

ROKE

OIL ENTERPRISES LTD. CALGARY, ALBERTA

FOCUSED BEAM LOG 20 CM

FILE NO.

LSD
SEC
TWP
RGE
W ___ M

COMPANY PETRO CANADA (COAL DIVISION)

WELL MUD - 81 - 15

LOCATION MONKMAN CAMP

FIELD DUCHESS

PROVINCE BRITISH COLUMBIA

Other Services: GR-N, DEN-CAL D.R.

Permanent Datum GROUND LEVEL Elev.

Log Measured from RIG FLOOR 0.3 m Above Perm. Datum

Well Depths Measured from

K.B.
CSG
G.L.

Run No.	ONE
Date	15 JUNE 1981
First Reading	263
Last Reading	20
Footage Logged	243
Depth Reached	264
Depth Driller	263.7
Casing Roke	9.6
Casing Driller	
Fluid Type	MUD
Liquid Level	20
Min. Diam.	HQ
Rm @ °C	40 @ 7°C
Operating Time	1 HOUR
Truck No.	

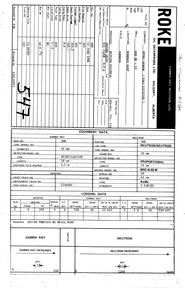
Recorded By SIM

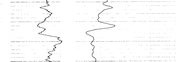
Witnessed By GIGLIOTTI

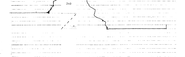
547

Remarks FBL # 12 CURRENT RANGE HIGH MUDFISH RESISTANCE 300 OHMS
7 ELECTRODE SONDE 20 CM BEAM WIDTH 100 CM ARRAY
PRIMARY 100 OHM/DIV SECONDARY 500 OHM/DIV

RESISTIVITY (OHM-METERS)	Depths	RESISTIVITY (OHM-METERS)
SECONDARY SCALE 0 – 5000		PRIMARY SCALE 0 – 1000 – 2000; 6500 – 11500 – 16500


ROKE
547





ROKE

FOCUSED BEAM LOG 20 CM

OIL ENTERPRISES LTD. CALGARY, ALBERTA

FILE NO.	
LOG	
DATE	
RUN	
BOX	
COMPANY	PETRO GLOBAL (OIL ENTERPRISES)
WELL	100 AC + 54
LOCATION	WOODRUFF CLOSE
FIELD	WOODRUFF
PROVINCE	BRITISH COLUMBIA
Other Services	DIPL
	DIP-GL DIPL-GL PSL
Permanent Datum	0.0 FT.
Log Measured From	0.0 FT.
Drilling Measured From	
Run No.	1
Date	12 JUNE 1990
Time Reading	1:00
Last Reading	1:10
Elevation Reading	1.5
Depth Reading	1.5
Depth Driller	1.5
Casing Reading	0.0
Casing Driller	0.0
Fluid Type	WOD
Liquid Level	0.0
Min. Diam.	80
Min. at 7°C	42.8 (7°C)
Operating Time	1 HOUR
Truck No.	547
Recorded By:	
Witnessed By:	

547

Remarks: FB = 1 CURRENT RANGE 1000 MEGAOHM RESISTANCE 100 OHMS

ELECTRODE SPACING 1 CM BEAM WIDTH 100 CM BEAM

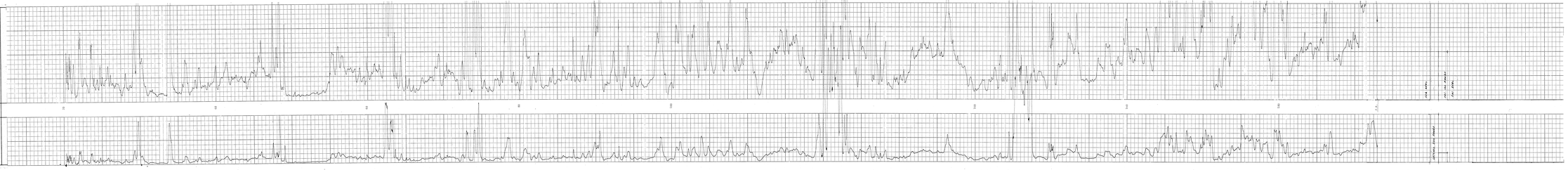
PRIMARY 100 CM WIDTH 100 CM WIDTH 100 CM WIDTH

SECONDARY 100 CM WIDTH 100 CM WIDTH

RESISTIVITY (OHM METERS) — PRIMARY SCALE 1000 1100 1200 1300 1400 1500 1600

Depths 0 50 100 150 200 250 300 350 400 450 500 550 600 650 700 750

RESISTIVITY (OHM METERS) — SECONDARY SCALE 0 1000



ROKE

OIL ENTERPRISES LTD. CALGARY, ALBERTA

GAMMA RAY NEUTRON LOG

Pre-Monkman 81(3)A

547

FILE NO.	
COMPANY	PETRO CANADA (COAL DIVISION)
WELL	MUD 81 - 16
LOCATION	MONKMAN CAMP
FIELD	DUCHESS
PROVINCE	BRITISH COLUMBIA
LSD / SEC / TWP / RGE / W___M.	
Other Services:	DENSITY
Permanent Datum	GROUND LEVEL Elev.
Log Measured from	RIG FLOOR 0.3 m Above Perm. Datum
Well Depths Measured from	
K.B. / CSG / G.L.	

Run No.	ONE
Date	18 JUNE 1981
First Reading	190
Last Reading	0
Footage Logged	190
Depth Reached	190.3
Depth Driller	195
Casing Roke	
Casing Driller	
Fluid Type	MUD
Liquid Level	23.3
Min. Diam.	HQ
Rm @	
Operating Time	1 HOUR
Truck No.	107
Recorded By	STM
Witnessed By	GIGLIOTTI

EQUIPMENT DATA

GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON
DIAMETER	32 mm	TOOL MODEL NO.	
DETECTOR MODEL NO.		DIAMETER	32 mm
TYPE	SCINTILIATION	DETECTOR MODEL NO.	
LENGTH	10 cm	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	2.1 m	LENGTH	15 cm
		SOURCE MODEL NO.	MRC-N-SS-W
GENERAL		SERIAL NO.	50
HOIST TRUCK NO.		SPACING	43 cm
INSTRUMENT TRUCK NO.		TYPE	AmBe
TOOL SERIAL NO.	125A005	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	190	4	4	100	0L	15 API	3	1 K	0L	120 API

REMARKS 60° ANGLE, LOGGED THROUGH HQ DRILL RODS

GAMMA RAY	DEPTHS	NEUTRON
GAMMA RAY INCREASES → API 15 — 0 … 150		NEUTRON INCREASES → API 120 — 0 … 1200 … 2400

ROKE

FEDERAL SERVICES

OIL RECOVERY LTD.
CALGARY, ALBERTA

5417

Company	OIL RECOVERY LTD.
Well	FEDERAL SERVICES
Field	WILDCAT
County	
Province	ALBERTA
Location	1980' FSL & 1980' FWL
Sec.	36
Twp.	39
Rge.	26 W4M
Permanent Datum	GROUND LEVEL
Elevation	1000'
Log Measured From	KELLY BUSHING
Drilling Measured From	KELLY BUSHING
Elev. K.B.	1010'
Elev. D.F.	
Elev. G.L.	1000'
Date	1-JAN-80
Run No.	ONE
Depth-Driller	1000'
Depth-Logger	1000'
Bottom Log Interval	1000'
Top Log Interval	SURFACE
Casing-Driller	8 5/8" @ 100'
Casing-Logger	100'
Bit Size	7 7/8"
Type Fluid in Hole	GEL CHEM
Density	9.2
Viscosity	40
pH	9.5
Fluid Loss	8.0
Source of Sample	FLOWLINE
Rm @ Meas. Temp.	1.0 @ 70°F
Rmf @ Meas. Temp.	0.8 @ 70°F
Rmc @ Meas. Temp.	1.2 @ 70°F
Source of Rmf & Rmc	MEASURED
Rm @ BHT	0.6 @ 120°F
Time Since Circ.	12 HRS
Max. Rec. Temp.	120°F
Equip. No. & Location	5417
Recorded By	J. SMITH
Witnessed By	MR. JONES

RUN	CASING (LOGGER)		BIT	FROM	TO
	SIZE	WGT.	SIZE		
ONE	8 5/8"	24#	7 7/8"	SURFACE	1000'

TYPE	SERIAL NO.	DIA.	LENGTH
DIL-SFL	5417	5 1/2"	45'
BHC-GR	5417	5 1/2"	45'

RUN	BOREHOLE RECORD			CASING RECORD		
	BIT SIZE	FROM	TO	SIZE	WGT.	FROM TO
ONE	7 7/8"	SURFACE	1000'	8 5/8"	24#	SURFACE 100'

REMARKS: 60° DEVIATION UNDER SURFACE CASING

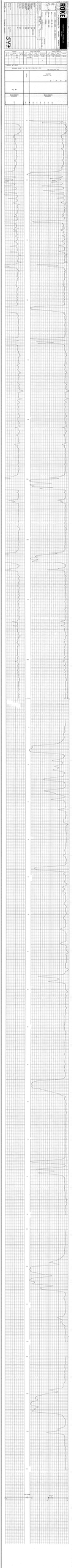
GAMMA RAY
API

CALIPER
DIAMETER

BULK DENSITY
DENSITY

0 100 200 300 400 500 600 700 800 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000 2100 2200 2300 2400 2500 2600 2700 2800 2900 3000

00
20
40
60
80
100
120
140
160
180
F.A.
Actual
Scale



Schlumberger

ROKE

NORTH SEA OIL SERVICES LTD.

ABERDEEN

547

WELL	
FIELD	
COUNTY	
STATE	
LOCATION	
SERVICE ORDER	
PERMANENT DATUM	
LOG MEASURED FROM	
DRILLING MEASURED FROM	
DATE	
RUN NO.	
DEPTH-DRILLER	
DEPTH-LOGGER	
BTM. LOG INTERVAL	
TOP LOG INTERVAL	
CASING-DRILLER	
CASING-LOGGER	
BIT SIZE	
TYPE FLUID IN HOLE	
DENS.	
VISC.	
PH	
FLUID LOSS	
SOURCE OF SAMPLE	
RM @ MEAS. TEMP.	
RMF @ MEAS. TEMP.	
RMC @ MEAS. TEMP.	
SOURCE OF RMF	
SOURCE OF RMC	
RM @ BHT	
TIME SINCE CIRC.	
MAX. REC. TEMP.	
EQUIP. LOCATION	
RECORDED BY	
WITNESSED BY	

EQUIPMENT DATA

GAMMA RAY	NEUTRON
RUN NO.	RUN NO.
TOOL TYPE (MODEL NO.)	TOOL TYPE (MODEL NO.)
SONDE NO.	SONDE NO.
DETECTOR (MODEL NO.)	DETECTOR (MODEL NO.)
SPACING	SPACING
DISTANCE TO SOURCE	SOURCE (MODEL NO.)
SOURCE STRENGTH	SOURCE STRENGTH
	SPACING
	TYPE
	DISTANCE TO SOURCE

CASING DATA

GAMMA RAY						NEUTRON					
SIZE	WEIGHT	GRADE	FROM	TO	BIT SIZE	SIZE	WEIGHT	GRADE	FROM	TO	BIT SIZE

REMARKS: CURVES CORRECTED ON FIELD BASE

GAMMA RAY	Depth	NEUTRON
GAMMA RAY INCREASES →		← NEUTRON INCREASES
0 API 150		45 CPS 0

0 API 150	45 CPS 0
GAMMA RAY	NEUTRON

ROKE
BIOSTRAIL GEOLOGIC
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