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ROKE RESERVOIR ENGINEERING

COMPANY	
WELL	
FIELD	
COUNTY	
STATE	
LOCATION	
ELEVATION	
FORMATION	
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 & RMC	
RM @ BHT	
TIME SINCE CIRC.	
MAX. REC. TEMP.	
EQUIP. LOCATION	
RECORDED BY	
WITNESSED BY	

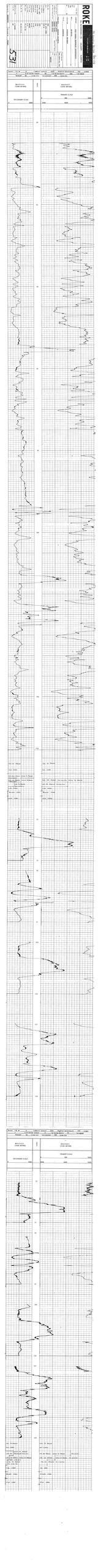
53

RUN	BIT	FROM	TO	FEET	HOURS	FEET/HR

RUN	CASING	WEIGHT	GRADE	FROM	TO

TYPE	MAKE	NO.	SIZE	TYPE	MAKE	NO.	SIZE

RUN	TYPE	MAKE	SERIAL NO.	SIZE	TYPE	MAKE	SERIAL NO.	SIZE


ROKE
OIL EXPLORATION LTD.
WELL NO. 21
SCALE 1:1000
DRILLING CONTRACTOR
DRILLING COMMENCED
DRILLING COMPLETED
ELEVATION
TOTAL DEPTH
CASING RECORD
SIZE
WEIGHT
DEPTH
CEMENTED
PERFORATIONS
TUBING RECORD
SIZE
DEPTH
PACKER
REMARKS
SP
RESISTIVITY
(LONG NORMAL)
RESISTIVITY
(SHORT NORMAL)
SP/GROUNDWATER SCALE
mV
RESISTIVITY SCALE
ohm
Sand
Shale
Limestone
Coal
Gravel
Clay
Sandstone
Conglomerate
Fine
Medium
Coarse
Hard
Soft
Water
Gas
Oil
Fossils
Pyrite
Mica
Quartz
Calcite
Dolomite
Gypsum
Anhydrite
Salt
Red
Green
Grey
Black
Brown
White
Yellow
Blue
Orange
Purple
Pink
Tan
Buff
Cream
Ivory
Maroon
Olive
Khaki
Slate
Charcoal
Ash
Soot
Rust
Iron
Copper
Lead
Zinc
Tin
Gold
Silver
Platinum
Uranium
Thorium
Potassium
Sodium
Calcium
Magnesium
Aluminium
Silicon
Oxygen
Hydrogen
Carbon
Nitrogen
Sulphur
Phosphorus
Chlorine
Fluorine
Iodine
Bromine
Helium
Neon
Argon
Krypton
Xenon
Radon
Lithium
Beryllium
Boron
Scandium
Titanium
Vanadium
Chromium
Manganese
Cobalt
Nickel
Zinc
Gallium
Germanium
Arsenic
Selenium
Rubidium
Strontium
Yttrium
Zirconium
Niobium
Molybdenum
Technetium
Ruthenium
Rhodium
Palladium
Silver
Cadmium
Indium
Tin
Antimony
Tellurium
Iodine
Xenon
Caesium
Barium
Lanthanum
Cerium
Praseodymium
Neodymium
Promethium
Samarium
Europium
Gadolinium
Terbium
Dysprosium
Holmium
Erbium
Thulium
Ytterbium
Lutetium
Hafnium
Tantalum
Tungsten
Rhenium
Osmium
Iridium
Platinum
Gold
Mercury
Thallium
Lead
Bismuth
Polonium
Astatine
Radon
Francium
Radium
Actinium
Thorium
Protactinium
Uranium
Neptunium
Plutonium
Americium
Curium
Berkelium
Californium
Einsteinium
Fermium
Mendelevium
Nobelium
Lawrencium
Rutherfordium
Dubnium
Seaborgium
Bohrium
Hassium
Meitnerium
Darmstadtium
Roentgenium
Copernicium
Nihonium
Flerovium
Moscovium
Livermorium
Tennessine
Oganesson

ROKE
ROKE OIL INCORPORATED
1600 STOCK EXCHANGE TOWER
DENVER, COLORADO 80202

WELL NAME: Rokeby Rocks #1-25
FIELD: Wildcat
COUNTY: Rokeby
STATE: Colorado
LOCATION: 1980' FNL & 660' FWL
SEC 25 T 1 S R 1 W
ELEVATION: KB 6,000 DF GL 5,990
API NO. 05-000-00000

CASING RECORD
SURFACE: 8 5/8" @ 1,000'
PRODUCTION: 4 1/2" @ 6,000'

DRILLING CONTRACTOR: Rokeby Rocks Drilling Co.
RIG NO. 7
SPUD DATE: 3-14-82
COMP. DATE: 4-2-82
TOTAL DEPTH: 6,000'
PBTD: 5,980'

DRILL STEM TESTS
DST #1 5,200-5,250' Open 30 min, SI 60 min. Rec 120' mud. IFP 50 FFP 50 ISIP 1,200 FSIP 1,180
DST #2 5,800-5,850' Open 30 min, SI 60 min. Rec 60' mud. IFP 40 FFP 40 ISIP 900 FSIP 880

CORES
Core #1 5,250-5,280' Rec 28'
Core #2 5,850-5,880' Rec 30'

FORMATION TOPS
Niobrara 3,200
Codell 3,450
Greenhorn 3,600
Graneros 3,750
Dakota 3,900
Morrison 4,200
Entrada 4,800
Chinle 5,100
Moenkopi 5,400
Permian 5,700
Pennsylvanian 5,900

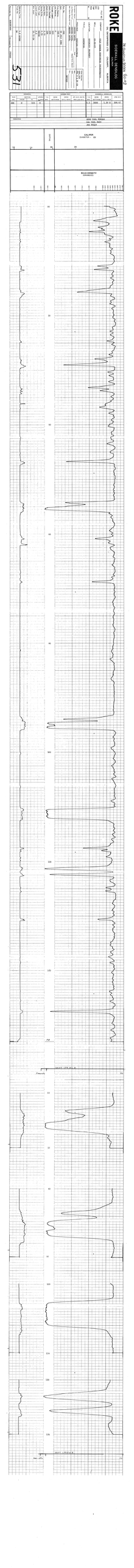
53

RUN	DATE	DEPTH DRILLER	DEPTH LOGGER	CASING DRILLER	CASING LOGGER	BTM LOG INTERVAL	TOP LOG INTERVAL	TYPE FLUID IN HOLE	DENSITY LB/GAL	VISCOSITY S/QT	PH FLUID LOSS	SOURCE OF SAMPLE	RM @ MEAS TEMP	RMF @ MEAS TEMP	RMC @ MEAS TEMP	SOURCE RMF RMC	RM @ BHT	TIME CIRC	MAX REC TEMP	EQUIP LOCATION	RECORDED BY	WITNESSED BY
ONE	4-2-82	6,000	6,000	1,000	1,000	6,000	1,000	Gel Chem	9.2	38	8.5	4.8	Flowline	.22 @ 72°F	.18 @ 72°F	.28 @ 72°F	Meas	.14 @ 140°F	4 hrs	140°F	Grand Junction	R. Smith	J. Doe

remarks: RUN ONE, SINGLE
ALL DIGL DATA
ALL DIGS

CALIPER
DIAMETER — IN

BULK DENSITY
DENSITY



ROKE

Schlumberger

WELL: ROKE NO. 1 (WELL NO. 1)
FIELD: WILDCAT
COUNTY: OXFORD
STATE: MASSACHUSETTS

LOCATION: 1,980' FSL & 1,980' FEL OF SEC. 36-T5N-R1E

PERMANENT DATUM: GROUND LEVEL
ELEV.: 1,000'
LOG MEASURED FROM: KELLY BUSHING
ELEV.: 1,015'
DRILLING MEASURED FROM: KELLY BUSHING

DATE: 6-7-58
RUN NO.: ONE
TYPE LOG: GAMMA RAY-NEUTRON
DEPTH-DRILLER: 2,000'
DEPTH-LOGGER: 2,000'
BTM. LOG INTERVAL: 2,000'
TOP LOG INTERVAL: SURFACE
CASING-DRILLER: 8 5/8" @ 200'
CASING-LOGGER: 200'
BIT SIZE: 7 7/8"
TYPE FLUID IN HOLE: WATER BASE MUD
DENSITY: 9.2
VISCOSITY: 38
PH: 10
FLUID LOSS: 8 CC
SOURCE OF SAMPLE: CIRCULATED
RM @ MEAS. TEMP.: .5 @ 65°F
RMF @ MEAS. TEMP.: .4 @ 65°F
RMC @ MEAS. TEMP.: .6 @ 65°F
SOURCE OF RMF & RMC: CALCULATED
RM @ BHT: .3 @ 120°F
TIME SINCE CIRC.: 12 HRS.
MAX. REC. TEMP.: 120°F
EQUIP. NO. & LOCATION: 1 & OXFORD
RECORDED BY: R. SMITH
WITNESSED BY: MR. ROKE

EQUIPMENT DATA

GAMMA RAY

RUN NO.	ONE
LOG INTVL. FM.	2,000'
LOG INTVL. TO	SURFACE
SCALE	2" = 100'
TYPE	SCINTILLATOR
DETECTOR	2" x 2"
DISTANCE TO SOURCE	12.5 & 18"

NEUTRON

RUN NO.	ONE
LOG INTVL. FM.	2,000'
LOG INTVL. TO	SURFACE
SCALE	2" = 100'
TYPE	PROPORTIONAL
DETECTOR	3" x 20"
DISTANCE TO SOURCE	16"

GAMMA RAY-NEUTRON

RUN NO.	ONE
LOG INTVL. FM.	2,000'
LOG INTVL. TO	SURFACE
SCALE	2" = 100'
TYPE	SOURCE
DETECTOR	3" x 20"
DISTANCE TO SOURCE	16"

LOGGING DATA

GAMMA RAY

SCALE	TIME CONST.	FILTER	SPEED	CASING	DEPTH
2" = 100'	3 SEC.	60 CPS	10 FT. PER MIN.	8 5/8" @ 200'	2,000' TO SURFACE
5" = 100'	3 SEC.	60 CPS	10 FT. PER MIN.	8 5/8" @ 200'	2,000' TO SURFACE

NEUTRON

SCALE	TIME CONST.	FILTER	SPEED	CASING	DEPTH
2" = 100'	3 SEC.	60 CPS	10 FT. PER MIN.	8 5/8" @ 200'	2,000' TO SURFACE
5" = 100'	3 SEC.	60 CPS	10 FT. PER MIN.	8 5/8" @ 200'	2,000' TO SURFACE

REMARKS: GAMMA-NEUTRON 6.5 CPS 5 in. METAL BLOCK

GAMMA RAY

NEUTRON

GAMMA RAY INCREASES

NEUTRON INCREASES

0 API 100

6000 CPS 4000

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

5000

5100

5200

5300

5400

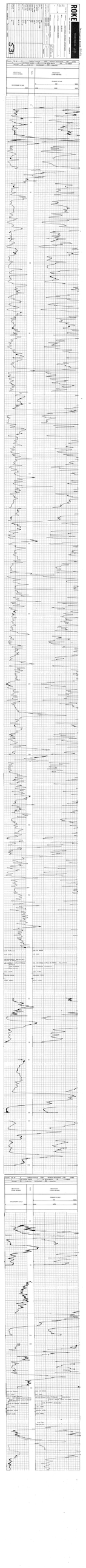
5500

5600

5700

5800

5900



ROKE

GAMMA RAY NEUTRON LOG

CASED HOLE

ROKE OIL INTERNATIONAL LTD.

CHEVRON CANADA RESOURCES

DISCOVERY

1000 FSL 1000 FEL

SEC. 10 TWP. 46 RGE. 5 W5M

COUNTY

LEDUC

FIELD

1000

OTHER SERVICES

DUAL INDUCTION SFL

DUAL LATEROLOG

BOREHOLE RECORD

RUN NO. 1

BIT FROM SURF.

BIT TO 5000

CASING DRILLER 9 5/8 @ 1000

CASING LOGGER

CASING SCHLUM. 9 5/8 @ 1000

TYPE FLUID IN HOLE

DENSITY

VISCOSITY

PH

FLUID LOSS

SOURCE OF SAMPLE

RM @ MEAS. TEMP.

RMF @ MEAS. TEMP.

RMC @ MEAS. TEMP.

SOURCE RMF RMC

RM @ BHT

TIME SINCE CIRC.

MAX. REC. TEMP.

EQUIP. LOCATION

RECORDED BY

WITNESSED BY

REMARKS

531

EQUIPMENT DATA

GAMMA RAY	
RUN NO.	ONE
TOOL MODEL NO.	112A
DIAMETER	3.2 CM
DETECTOR MODEL NO.	
TYPE	SCINTILLATOR
LENGTH	10.2 CM
DISTANCE TO SOURCE	151.3 CM
GENERAL	
SHOT TRACK NO.	38
INSTRUMENT TRACK NO.	39
FINAL SERIAL NO.	1536006/135

NEUTRON	
RUN NO.	ONE
LOG TYPE	NEUTRON/NEUTRON
TOOL MODEL NO.	112A
DIAMETER	3.2 CM
DETECTOR MODEL NO.	
TYPE	PROPORTIONAL
LENGTH	15 CM
SOURCE MODEL NO.	NSC-N-55 M
SERIAL NO.	135
SPACING	43.2 CM
TYPE	AMERICIUM
STRENGTH	3 CURIES

LOGGING DATA

GENERAL					GAMMA RAY			NEUTRON			
RUN	SECTION		SPEED	T.C.	SENS	ZERO	API & UNITS	T.C.	SENS	ZERO	API & UNITS
NO.	FROM	TO	MEAS. FPM	SECONDS	API/IN.	API	PER LOG DIV.	SECONDS	API/IN.	API	PER LOG DIV.
ONE	5000	1000	30	3	500	0	15 API	3	5000	10 L	300 API
	1.5	160	4	3	500	0	15 API	3	5000	1 L	300 API

REMARKS

GAMMA RAY

GAMMA RAY INCREASES

API

0 150

DEPTH

NEUTRON

NEUTRON INCREASES

API

3000 4000 6000

00

20

40

60

80

100

120

140

160

FB

FB

FB

FB

100 API

100 API

ROKE

OIL DEVELOPMENTS LTD.

CALGARY, ALBERTA

SIDEWALL DENSILOG

Run No. ONE
Date 4 DEC 84
Depth-Driller 3600
Depth-Logger 3600
Bottom Logged Interval 3600
Top Logged Interval 1500
Type Fluid in Hole GEL CHEM
Salinity, PPM Cl 1000
Density 10.0
Level FULL
Max. Rec. Temp. Deg. F. 120
Operating Rig Time 0600
Recorded By D. SCHMIDT
Witnessed By MR. TOMKO

WELL: 00/10-36-050-06W5M
FIELD: SUNDANCE
COUNTY/PARISH: YELLOWHEAD
STATE/PROVINCE: ALBERTA
LOCATION: 1980 FNL 660 FEL
SEC 36 TWP 50 RGE 6 W5M
PERMANENT DATUM: GROUND LEVEL
ELEV.: K.B. 2191 D.F. 2190 G.L. 2179
LOG MEASURED FROM: K.B. 11 FT. ABOVE PERM. DATUM
DRILLING MEASURED FROM: K.B.

RUN	DATE	CASING-DRILLER	CASING-LOGGER	BOT. LOGGED INTERVAL	TOP LOGGED INTERVAL	TYPE FLUID IN HOLE	DENSITY	VISCOSITY	PH	FLUID LOSS	SOURCE OF SAMPLE	RM @ MEAS. TEMP.	RMF @ MEAS. TEMP.	RMC @ MEAS. TEMP.	SOURCE RMF/RMC	RM @ BHT	TIME CIRC.	MAX. REC. TEMP.	EQUIP. LOCATION	RECORDED BY	WITNESSED BY
ONE	4 DEC 84	1500	1500	3600	1500	GEL CHEM	10.0	FULL										120	0600	D. SCHMIDT	MR. TOMKO

GENERAL

SHRINK MAT

SIDEWALL DENSILOG

RUN NO.	DATE	DEPTH DRILLER	DEPTH LOGGER	SPEED MIN.	T.D. BOTTOM	DENS. BULK DEN.	DEN. CORR.	API G.R. UNITS PER LOG DIV.	T.D. BOTTOM	DENS. BULK DEN.	DEN. CORR.
ONE	4	1500	1500						3600	1.70	308.47

REMARKS

DENS TOOL 9SN244
CAL PAD#1 BACK
NO PAD#2

CALIPER
DIAMETER — IN

BULK DENSITY
DENSIMICRO

Pre-Formation 6008A 8-04

ROKE

FOCUSED BEAM ESO 32 ICM

OIL WELL CEMENTING SERVICE

CALGARY ALBERTA

Recorded By: MASTERSON
Witnessed By: JOHNSON

Run No. One
Date 8-12-74
Depth-Driller 6008
Depth-Logger 6008
Btm. Log Int. 6008
Top Log Int. 50
Casing-Driller 5½ @ 6008
Casing-Logger 5½ @ 6008
Bit Size 7⅞
Type Fluid in Hole GEL CHEM
Dens. 10.2
Visc. 55
pH 10.5
Fluid Loss 3.6
Source of Sample CIRC
Rm @ Meas. Temp. .356 @ 74°F
Rmf @ Meas. Temp. .318 @ 74°F
Rmc @ Meas. Temp. .178 @ 74°F
Source: Rmf Rmc CIRC CIRC
Rm @ BHT .178 @ 150°F
Time Since Circ. 5 HRS
Max. Rec. Temp. Deg. F. 150°F
Equip. No. & Location 531 32 ICM
Recorded By MASTERSON
Witnessed By JOHNSON

Run No. One
Date 8-12-74
Type Log DUAL INDUCTION LATEROLOG
Depth-Driller 6008
Depth-Logger 6008
Bottom Logged Interval 6008
Top Logged Interval 50
Type Fluid in Hole GEL CHEM
Salinity, PPM Cl 3000
Density 10.2
Level FULL
Max. Rec. Temp. Deg. F. 150°F
Equipment No. & Location 531 32 ICM
Recorded By MASTERSON
Witnessed By JOHNSON

Run No. One
Date 8-12-74
Type Log DUAL SPACED NEUTRON
Depth-Driller 6008
Depth-Logger 6008
Bottom Logged Interval 6008
Top Logged Interval 50
Type Fluid in Hole GEL CHEM
Salinity, PPM Cl 3000
Density 10.2
Level FULL
Max. Rec. Temp. Deg. F. 150°F
Equipment No. & Location 531 32 ICM
Recorded By MASTERSON
Witnessed By JOHNSON

Run No. One
Date 8-12-74
Type Log DUAL SPACED DENSITY
Depth-Driller 6008
Depth-Logger 6008
Bottom Logged Interval 6008
Top Logged Interval 50
Type Fluid in Hole GEL CHEM
Salinity, PPM Cl 3000
Density 10.2
Level FULL
Max. Rec. Temp. Deg. F. 150°F
Equipment No. & Location 531 32 ICM
Recorded By MASTERSON
Witnessed By JOHNSON

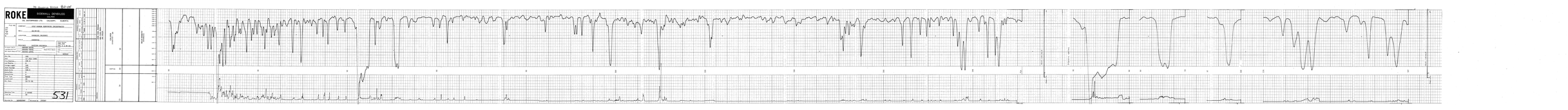
Run No. One
Date 8-12-74
Type Log MICRO LATEROLOG
Depth-Driller 6008
Depth-Logger 6008
Bottom Logged Interval 6008
Top Logged Interval 50
Type Fluid in Hole GEL CHEM
Salinity, PPM Cl 3000
Density 10.2
Level FULL
Max. Rec. Temp. Deg. F. 150°F
Equipment No. & Location 531 32 ICM
Recorded By MASTERSON
Witnessed By JOHNSON

Run No. One
Date 8-12-74
Type Log CALIPER
Depth-Driller 6008
Depth-Logger 6008
Bottom Logged Interval 6008
Top Logged Interval 50
Type Fluid in Hole GEL CHEM
Salinity, PPM Cl 3000
Density 10.2
Level FULL
Max. Rec. Temp. Deg. F. 150°F
Equipment No. & Location 531 32 ICM
Recorded By MASTERSON
Witnessed By JOHNSON

Run No. One
Date 8-12-74
Type Log GAMMA RAY
Depth-Driller 6008
Depth-Logger 6008
Bottom Logged Interval 6008
Top Logged Interval 50
Type Fluid in Hole GEL CHEM
Salinity, PPM Cl 3000
Density 10.2
Level FULL
Max. Rec. Temp. Deg. F. 150°F
Equipment No. & Location 531 32 ICM
Recorded By MASTERSON
Witnessed By JOHNSON

Run No. One
Date 8-12-74
Type Log GAMMA RAY NEUTRON
Depth-Driller 6008
Depth-Logger 6008
Bottom Logged Interval 6008
Top Logged Interval 50
Type Fluid in Hole GEL CHEM
Salinity, PPM Cl 3000
Density 10.2
Level FULL
Max. Rec. Temp. Deg. F. 150°F
Equipment No. & Location 531 32 ICM
Recorded By MASTERSON
Witnessed By JOHNSON

Run No. One
Date 8-12-74
Type Log CEMENT BOND


ROKE
SIDEWALL DENSILOG
CALGARY, ALBERTA
531

PR-Goodrich 80(3)A 80-01

ROKE

GAMMA RAY NEUTRON LOG

OIL ENTERPRISES LTD. CALGARY, ALBERTA

FILE NO.

LSD
SEC
TWP
RGE
W_____M

COMPANY GULF CANADA RESOURCES INCORPORATED

WELL GR-80-01 (REDRILLED)

LOCATION GOODRICH PROPERTY

FIELD CHETWYND

PROVINCE BRTISH COLUMBIA

Other Services: 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	JULY 17, 1980		
First Reading	15.5		
Last Reading	00		
Footage Logged	15.9		
Depth Reached	16.5		
Depth Driller	16.5		
Casing Roke			
Casing Driller			
Fluid Type	WATER		
Liquid Level	5.0		
Min. Diam.	13.0 CM		
Rm @			
Operating Time	0.25 HOURS		
Truck No.	#*		
Recorded By	ROBERTSON	Witnessed By	JORDAN

531

EQUIPMENT DATA

GAMMA RAY	
RUN NO.	ONE
TOOL MODEL NO.	125A
DIAMETER	3.2 CM
DETECTOR MODEL NO.	
TYPE	SCINTILLATION
LENGTH	10 CM
DISTANCE TO N. SOURCE	215.2 CM

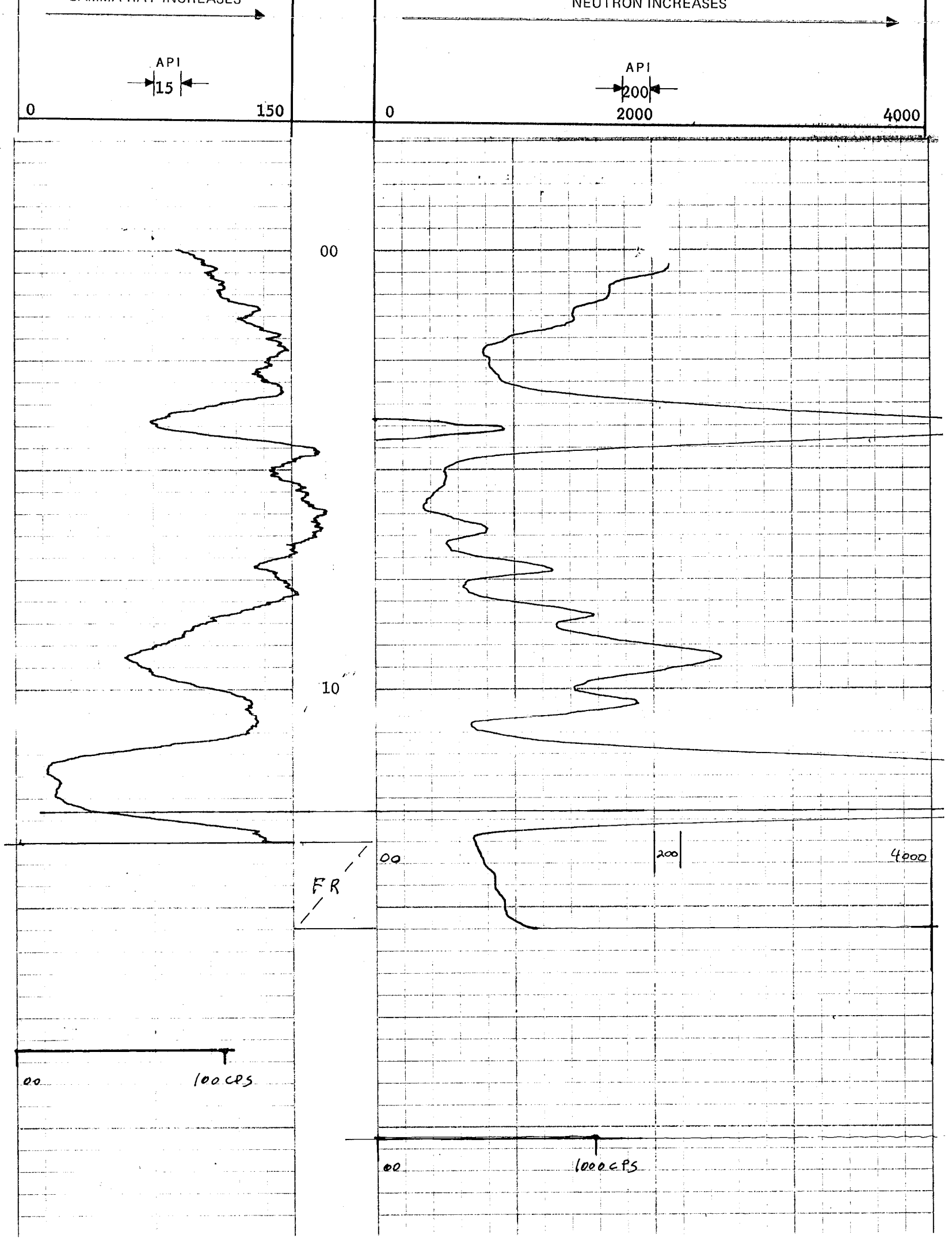
GENERAL	
HOIST TRUCK NO.	38
INSTRUMENT TRUCK NO.	38
TOOL SERIAL NO.	125A004

NEUTRON	
RUN NO.	ONE
LOG TYPE	NEUTRON/NEUTRON
TOOL MODEL NO.	125A
DIAMETER	3.2 CM
DETECTOR MODEL NO.	
TYPE	PROPORTIONAL
LENGTH	
SOURCE MODEL NO.	MRC-N-SS-W
SERIAL NO.	126
SPACING	43.2 CM
TYPE	AmBe
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	00	15.5	4	3	500	00	15	3	5000	00	200

REMARKS LOGGED THROUGH 5.1 CM T.D. DRILL RODS



PR-Goodrich 8-31A 80-01

ROKE

OIL ENTERPRISES LTD. CALGARY, ALBERTA

GAMMA RAY NEUTRON LOG

FILE NO.

COMPANY GULF CANADA RESOURCES INCORPORATED

WELL GR-80-01

LOCATION GOODRICH PROPERTY

FIELD CHERYKND

PROVINCE BRITISH COLUMBIA

Permanent Datum: GROUND LEVEL — Elev.

Log Measured from: GROUND LEVEL — Above Perm. Datum

Well Depths Measured from: GROUND LEVEL

K.B.
CSG.
G.L.

Other Services: NIL

METRIC

LSD SEC TWP RGE W M

Run No.	ONE
Date	8 JULY 1980
First Reading	102 M
Last Reading	0
Footage Logged	102
Depth Reached	103
Depth Driller	108.5
Casing Rake	-
Casing Driller	-
Fluid Type	WATER
Liquid Level	22
Min. Diam.	5.1 CM
Rm @	
Operating Time	0.5 HOUR
Truck No.	38

Recorded By ROBERTSON

Witnessed By JORDAN

531

EQUIPMENT DATA

GAMMA RAY

RUN NO.	ONE
TOOL MODEL NO.	125A
DIAMETER	3.2 CM
DETECTOR MODEL NO.	
TYPE	SCINTILLATION
LENGTH	10 CM
DISTANCE TO N. SOURCE	20.7 CM

NEUTRON

RUN NO.	ONE
LOG TYPE	NEUTRON/NEUTRON
TOOL MODEL NO.	125A
DIAMETER	3.2 CM
DETECTOR MODEL NO.	
TYPE	PROPORTIONAL
LENGTH	
SOURCE MODEL NO.	MRC-N-SS-W
SERIAL NO.	126
SPACING	43.2 CM
TYPE	AmBe
STRENGTH	3 CURIES

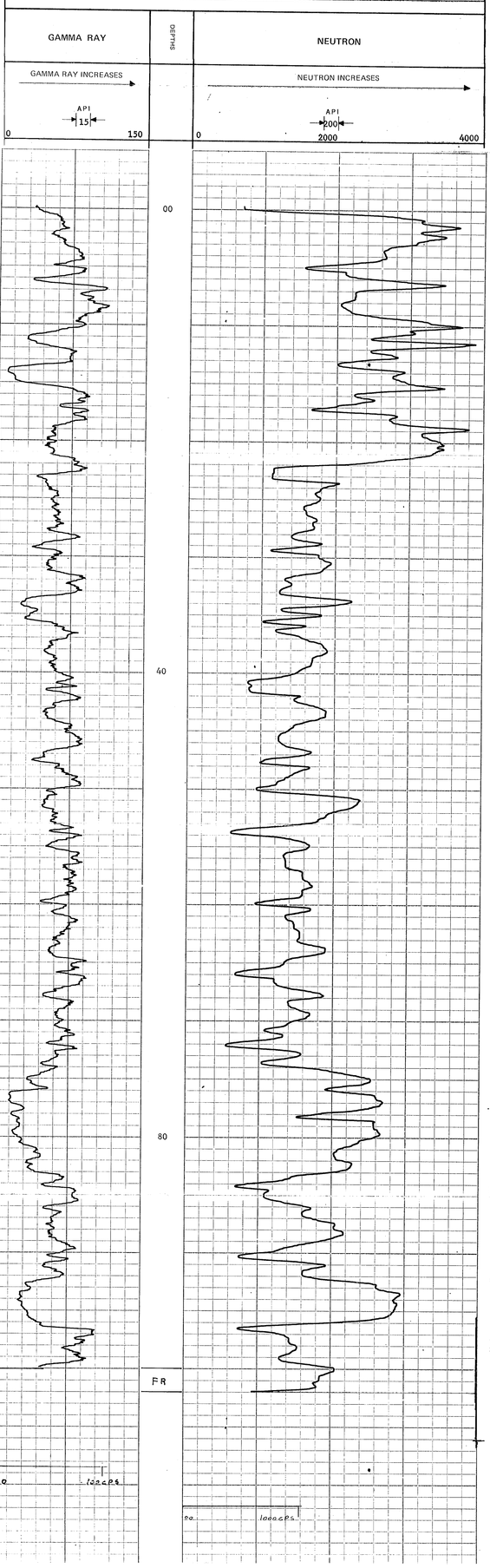
GENERAL

HOIST TRUCK NO.	38
INSTRUMENT TRUCK NO.	38
TOOL SERIAL NO.	125A004

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	102	4	3	500	0	15	3	5000	0	200 API

REMARKS LOGGED THROUGH 5.1 CM T.D. DRILL RODS



PR- Goodrich 80(3)A 80-01

ROKE

SIDEWALL DENSILOG
CALIPER

OIL ENTERPRISES LTD. CALGARY, ALBERTA

FILE NO.
LSD
SEC
TWP
RGE
W M

COMPANY GULF CANADA RESOURCES INCORPORATED

WELL GR-80-01 (REDRILLED)

LOCATION GOODRICH PROPERTY

FIELD CHETWYND

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	17 JULY 1980
First Reading	15 M
Last Reading	0
Footage Logged	15
Depth Reached	16
Depth Driller	16.5
Casing Roke	-
Casing Driller	-
Fluid Type	WATER
Liquid Level	5
Min. Diam.	13 CM
Operating Time	0.25 HOUR
Truck No.	38

531

Recorded By ROBERTSON Witnessed By JORDAN

GENERAL 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.	SIDEWALL DENSILOG T.C. SEC.	SIDEWALL DENSILOG SENS SETTINGS	SIDEWALL DENSILOG ZERO DIV.L OR R	SIDEWALL DENSILOG CPS/DIV
ONE	0	15	8					0.5	5000	1.59	208.67

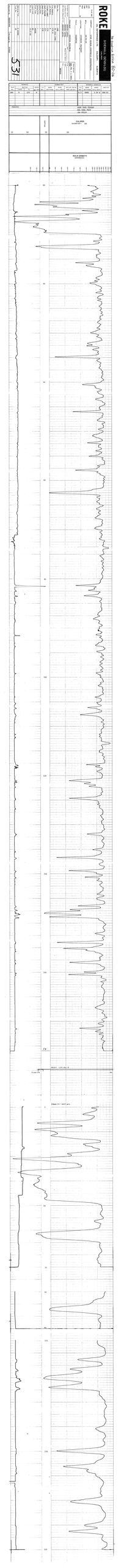
REMARKS

DENS. TOOL #2414S
CAL. TOOL #459
NDB #5119

ROKE
OIL & EXPLORATION LTD.
CORAL SEA BASINS 1981

COMPANY	ROKE OIL & EXPLORATION LTD.
WELL	CORAL SEA BASINS 1981
FIELD	
COUNTY	
STATE	
LOCATION	
SERVICE COMPANY	SCHLUMBERGER OVERSEAS, INC.
RECORDED BY	
WITNESSED BY	

| | | |



ROKE

Pleasanton Gravel - Rocky

Monitoring Well MW-2

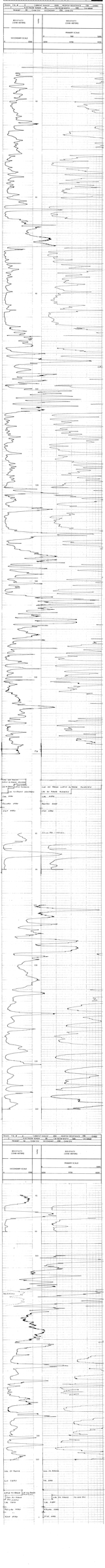
Date	10/10/2000
Time	10:00
Measuring Point	Top of Casing
Measured Depth	150.00
Depth to Water	14.00
Water Column	136.00
Casing Volume	22.18
Purge Method	Bailer
Purge Rate	1 gpm
Purge Time	22 min
Purge Volume	22 gal
Purge Water Disposal	Drum
Sample Method	Bailer
Sample Time	10:00
Sample Volume	3 x 40 ml
Sample Preservation	HCl
Sample Destination	Lab
Sample Number	53

Notes: Clear, no odor

Temp. 17.8	Conductivity 1000	Redox 100	Turbidity 0	Dissolved O2 0.0	pH 7.2

Temp. 17.8 | Conductivity 1000 | Redox 100 | Turbidity 0 | Dissolved O2 0.0 | pH 7.2

Resistivity (ohm-meters)		Resistivity (ohm-meters)
Secondary Scale		Primary Scale
1000		1000
100		100
10		10
1		1
0.1		0.1
0.01		0.01
0.001		0.001
0.0001		0.0001



ROKE OIL SERVICES LTD.

GAMMA RAY NEUTRON LOG

COMPANY: ARCO CANADA RESOURCES

WELL: DRAGON

FIELD: LOCATION:

COUNTY: PROVINCE:

Other Services: DENSITY

Elevations: K.B. 1,306 D.F. G.L. 1,301

Permanent Datum: GROUND LEVEL

Log Measured From: K.B. 5 FT. ABOVE PERM. DATUM

Drilling Measured From: K.B.

Date: JULY 1985

Run No.: ONE

Depth-Driller: 3,215

Depth-Logger: 3,215

Bottom Logged Interval: 3,215

Top Logged Interval: SURFACE

Type Fluid in Hole: GEL CHEM

Salinity, PPM Cl: 1,500

Density: 9.5

Level: FULL

Max. Rec. Temp. Deg. F.: 120

Operating Rig Time: 12

Recorded By: R. MACKAY

Witnessed By: MR. ARCO

Remarks: RAN GAMMA RAY NEUTRON LOG

Run No. 531

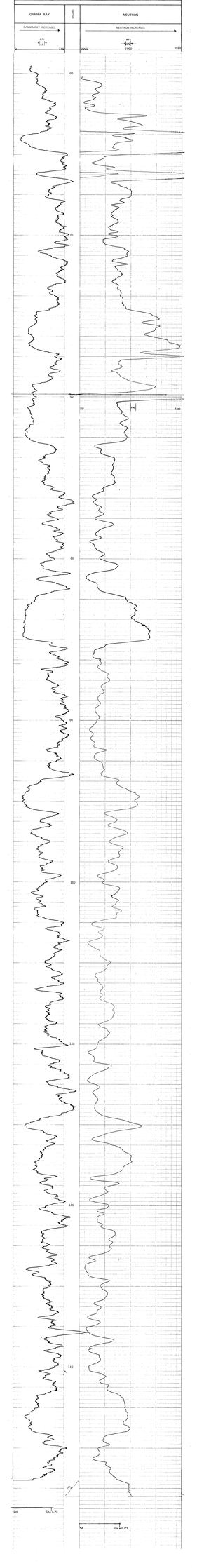
EQUIPMENT DATA

GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.	115A	TOOL MODEL NO.	NEUTRON/NEUTRON
DIAMETER	3.3 CM	DIAMETER	115A
DETECTOR MODEL NO.		DIAMETER	3.3 CM
LENGTH	SCINTILLATION	SOURCE MODEL NO.	
DISTANCE TO SOURCE	16.2 CM	TYPE	PROPORTIONAL
	315.3 CM	LENGTH	53 CM
		SOURCE MODEL NO.	MNC-N-55-M
GENERAL		SERIAL NO.	126
LOGGE TRUCK NO.	30	WELDING	AA 2
INSTRUMENT TRUCK NO.	31	TYPE	1 CURIE
FINAL SERIAL NO.	115A006/126	GEOMETRY	1 CURIES

LOGGING DATA

GAMMA RAY						NEUTRON					
RUN	LOGGED INTERVAL		SPEED	F.C.	SENSE	ZERO	API N. R. UNITS	F. C.	SENSE	ZERO	API N. UNITS
NO.	FROM	TO	M/MIN.	SEC.	SETTINGS	API. L.SH.R.	PER 1 INCH DEFL.	SEC.	SETTINGS	API. L.SH.R.	PER 1 INCH DEFL.
ONE	0	39.15	4	1	500	0	15	1	5000	25 L	200 API
	39.15	315	4	1	500	0	15	1	5000	0 L	200 API

REMARKS

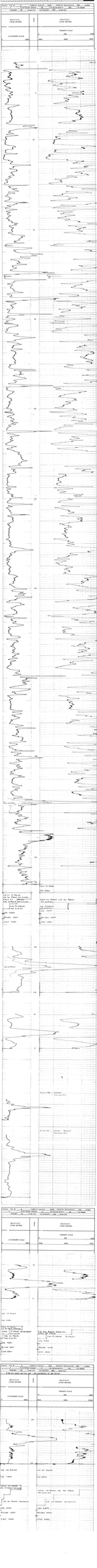


ROKE

Page 1 of 1

53

Date	12/4/2007	Time	10:00
Well	Roke 1	Depth	1,000
Operator	Roke Oil	Rig	Rig 1
Contractor	Roke Oil	Engineer	Roke Oil
Mud Type	Water	Density	8.4
Viscosity	28	Pv	0
Yp	0	Gels	0
Filtrate	0	Cake	0
Pf	0	Mf	0
Ph	0	Cl	0
Ca	0	Sand	0
Solids	0	Oil	0
Water	100		



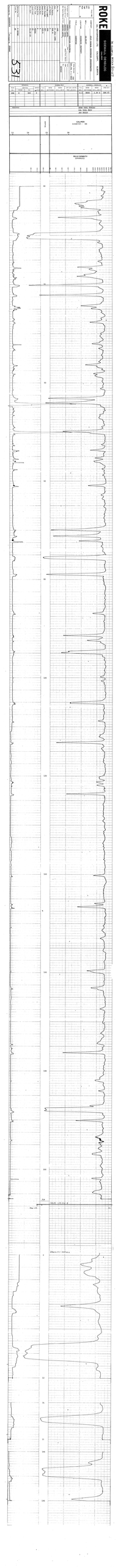
ROKE

GAMMA RAY NEUTRON LOG

Roke Petroleum Ltd.

COMPANY	ROKE PETROLEUM LTD.
WELL	2/8-2
FIELD	
COUNTY	
LOCATION	
OTHER SERVICES	
SEC.	TWP.
RGE.	PERMANENT DATUM: GROUND LEVEL
API SERIAL NO.	ELEV.: K.B. 25
	D.F.
	G.L.

| | | |



ROKE

DOBALL DRILLING

Doball Drilling (Pty) Ltd. Reg. No. 1999/000000/07

Tel: 012 000 0000 Fax: 012 000 0000 P.O. Box 00000 Pretoria 0000

Client: [redacted]

Well: [redacted]

Area: [redacted]

Rig: [redacted]

Contractor: [redacted]

Rig Type: [redacted]

Report No.: [redacted]

Date: [redacted]

Engineer: [redacted]

Mud Engineer: [redacted]

Mud Type: [redacted]

Mud Weight: [redacted]

Viscosity: [redacted]

Pump No. 1: [redacted]

Pump No. 2: [redacted]

Liner Size: [redacted]

Stroke Length: [redacted]

Pump Rate: [redacted]

Hole Size: [redacted]

Casing Size: [redacted]

Casing Depth: [redacted]

Drilling Time: [redacted]

Rotating Time: [redacted]

Circulating Time: [redacted]

Tripping Time: [redacted]

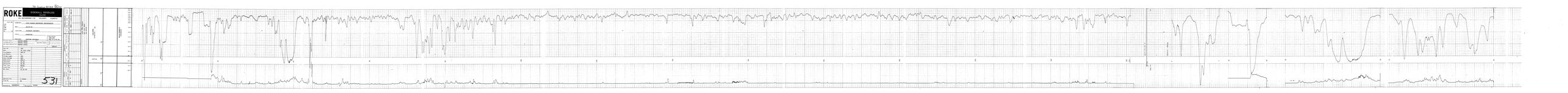
Survey Time: [redacted]

Other Time: [redacted]

Total Time: [redacted]

Remarks: [redacted]

531


ROKE
ROKE OIL DEVELOPMENTS LTD. CALGARY, ALBERTA
WELL NAME AND NUMBER
FIELD OR AREA
PROVINCE
LOCATION
SURFACE
ELEVATION
DRILLING CONTRACTOR
RIG NUMBER
SPUD DATE
DRILLING COMPLETED
RIG RELEASED
TOTAL DEPTH
PBTD
PRODUCING FORMATION
CASING RECORD
SIZE
WEIGHT
GRADE
FROM
TO
CEMENTED WITH
CASING TEST
TUBING RECORD
PACKER RECORD
PERFORATIONS
STIMULATION
INITIAL PRODUCTION
OIL
GAS
WATER
GOR
GRAVITY
TEST DATE
REMARKS
SIDEWALL DEVELOG
TOTAL DEPTH
531

ROKE
53

ROKE

Schlumberger

Well Services, Inc. Houston, Texas

Permanent Datum: GROUND LEVEL
Elev.: 0
Log Measured From: KELLY BUSHING
Ft. Above Perm. Datum: 8.5
Drilling Measured From: KELLY BUSHING

Date: 1-15-58
Run No.: ONE
Type Log: GAMMA RAY NEUTRON
Depth-Driller: 1,000
Depth-Logger: 1,000
Bottom Logged Interval: 1,000
Top Logged Interval: SURFACE
Type Fluid in Hole: WATER
Salinity, P.P.M. Cl: 0
Density: 8.34
Level: FULL
Max. Rec. Temp. Deg. F.: 80
Operating Rig Time: 3 HRS.
Recorded By: J. ROBERTSON
Witnessed By: MR. MOORE

Run No.	Bit From	Bit To	Size	Type Fluid in Hole	Density	Level	Max. Rec. Temp. Deg. F.	Equipment	Location
ONE	SURFACE	1,000	8	WATER	8.34	FULL	80	3 HRS.	

EQUIPMENT DATA

Gamma Ray	
Run No.	ONE
Log Type	GAMMA RAY
Log Scale, in.	5
Gamma Ray Det.	SCINTILLATION
Type	
Distance, Det. to Source	10.5
Neutron	
Run No.	ONE
Log Type	NEUTRON
Log Scale, in.	5
Neutron Det.	SCINTILLATION
Type	
Distance, Det. to Source	10.5

Gamma Ray	
Run No.	ONE
Log Type	NEUTRON/INDUCTION
Log Scale, in.	5 IN.
Neutron Det.	
Type	PROPORTIONAL
Distance, Det. to Source	
Induction	
Run No.	ONE & ONE
Log Type	RES. & IND.
Log Scale, in.	5 IN.
Induction Det.	
Type	6 COILS
Distance, Det. to Source	

CASING DATA

Size	Weight	Grade	Type Joint	From	To	Size	Weight	Grade	Type Joint	From	To
8 5/8	24	J-55	R-3	SURFACE	200	5 1/2	15.5	J-55	R-3	SURFACE	1,000
7	20	J-55	R-3	200	1,000						

REMARKS

GAMMA RAY NEUTRON

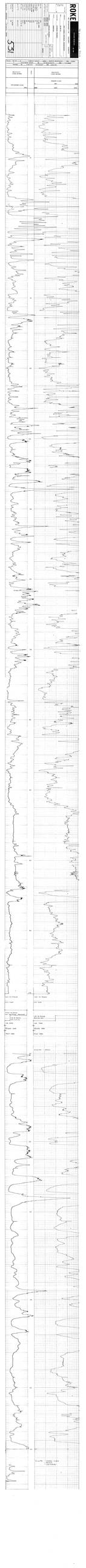
GAMMA RAY INCREASES → 0 150

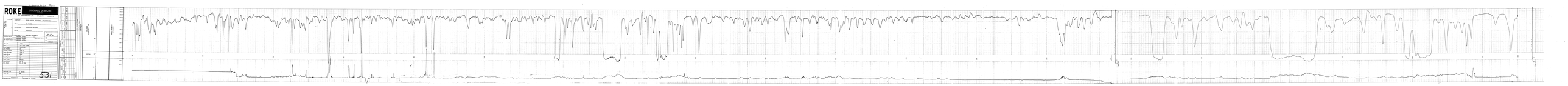
NEUTRON INCREASES → 1000 0

100 50 0

1,000

1,100


ROKE
537


ROKE
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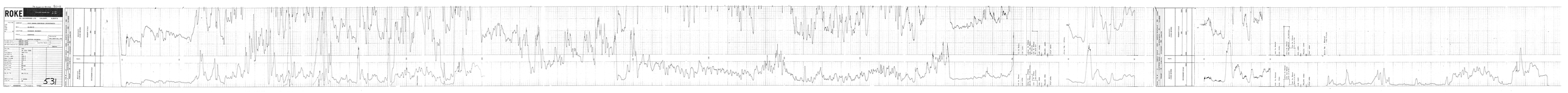
ROKE
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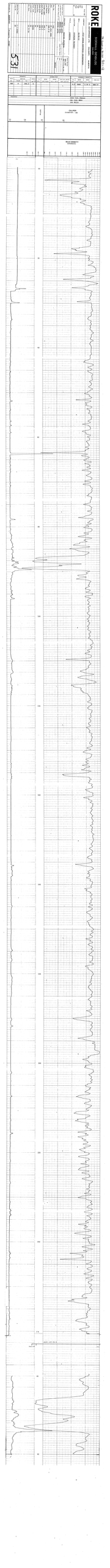


CASED HOLE

ROKE

The Standard Bearer

ROKE OIL COMPANY
1001 FANNIN, SUITE 1500
HOUSTON, TEXAS 77002

COMPANY	ROKE OIL COMPANY
WELL	ROKE 53
FIELD	WILDCAT
COUNTY	LOVE
STATE	OKLAHOMA
LOCATION	1980' FSL & 1980' FEL
SEC	33
TWP	5S
RGE	1E
PERMANENT DATUM	GROUND LEVEL
ELEV.	1,000'
LOG MEASURED FROM	KELLY BUSHING
11' ABOVE PERM. DATUM	
DRILLING MEASURED FROM	KELLY BUSHING
API SERIAL NO.	35-137-20,053
RUN NO.	ONE
DATE	10-15-82
TYPE LOG	DUAL INDUCTION LATEROLOG
DEPTH-DRILLER	5,200'
DEPTH-LOGGER	5,200'
BTM. LOG INTERVAL	5,200'
TOP LOG INTERVAL	SURFACE
CASING-DRILLER	8 5/8" @ 1,000'
CASING-LOGGER	1,000'
BIT SIZE	7 7/8"
TYPE FLUID IN HOLE	LIGHT SALT GEL
DENS. VISC.	10.0 LB/GAL 40 SEC
PH	10.5
FLUID LOSS	8 CC
SOURCE OF SAMPLE	FLOWLINE
RM @ MEAS. TEMP.	.75 @ 80° F
RMF @ MEAS. TEMP.	.60 @ 80° F
RMC @ MEAS. TEMP.	1.0 @ 80° F
SOURCE RMF & RMC	MEASURED
RM @ BHT	.35 @ 150° F
TIME SINCE CIRC.	6 HOURS
MAX. REC. TEMP.	150° F
EQUIP. LOCATION	3-E
RECORDED BY	T. HOWARD
WITNESSED BY	J. SMITH

EQUIPMENT DATA

CASED HOLE		OPEN HOLE	
RUN NO.	ONE	RUN NO.	ONE
TYPE RECV. NO.	1430	TYPE RECV. NO.	DUAL INDUCTION LATEROLOG 6100
LOCATION	3-E OK	LOCATION	3-E OK
TYPE GEN. NO.		TYPE GEN. NO.	
TYPE	PULSE ECHO	TYPE	PULSE ECHO
SPACING	10 FT	SPACING	10 FT
RECORD. CLS. INTVLS	201 X 1ST	RECORD. CLS. INTVLS	201 X 1ST
SPEED	60	SPEED	60
SPEED TRACK NO.	30	SPEED	60
SPEED RECV. NO.	1430	SPEED	60
TYPE RECV. NO.	COMBINATION	SPEED	60

LOGGING DATA

CASED HOLE								OPEN HOLE							
RUN	TOOL	TO	BORE SIZE	WEIGHT	FROM	TO	RUN	TOOL	TO	BORE SIZE	WEIGHT	FROM	TO		
ONE	DIL	5,200'	7 7/8"	10.5 LB/GAL	1,000'	5,200'	ONE	DIL	5,200'	7 7/8"	10.5 LB/GAL	1,000'	5,200'		
ONE	SFL	5,200'	7 7/8"	10.5 LB/GAL	1,000'	5,200'	ONE	SFL	5,200'	7 7/8"	10.5 LB/GAL	1,000'	5,200'		

REMARKS

GAMMA RAY

GAMMA RAY INCREASES

0 API 150

INTERVAL

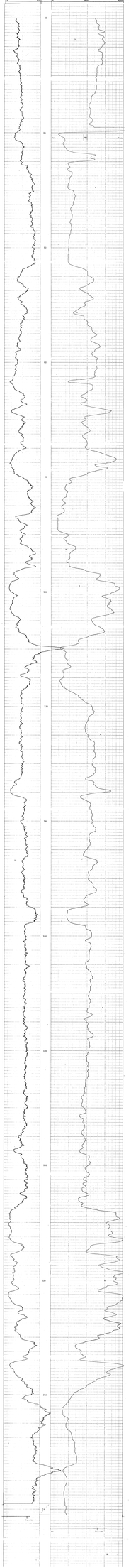
1" = 100'

NEUTRON

NEUTRON INCREASES

45% 0%

0 API 150



Radioactivity Well Log

ROKE

OIL CORPORATION LTD.

GAMMA RAY NEUTRON LOG

COMPANY

WELL

FIELD

COUNTY OR PARISH

PROVINCE OR STATE

LOCATION

OTHER SERVICES

SEC. TWP. RGE.

PERMANENT DATUM

ELEV.

LOG MEASURED FROM

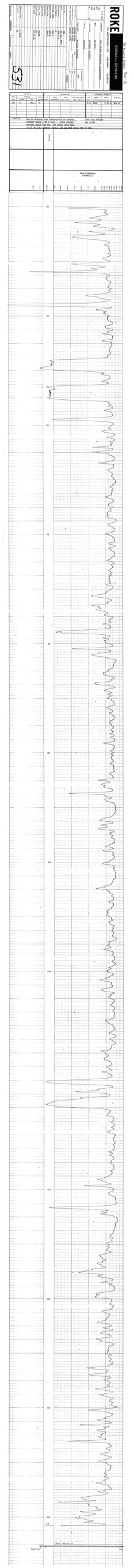
DRILLING MEASURED FROM

| | | |

ROKE

SCHLUMBERGER

Schlumberger



ROKE

Rotary Oil & Gas Engineering

Rotary Oil & Gas Engineering

RUN NO. ONE

Date	3-4-78
Depth-Driller	2,000
Depth-Logger	2,000
Bottom Logged Interval	1,998
Top Logged Interval	1,000
Type Fluid in Hole	WATER
Salinity, PPM Cl	1,000
Density, LB/GAL	8.4
Level	FULL
Max. Rec. Temp. Deg. F.	80
Operating Rig Time	3 HRS
Recorded By	D. HOWARD
Witnessed By	

EQUIPMENT DATA

Location	
Recorded By	D. HOWARD
Witnessed By	
Run No.	ONE
Bit Size, In.	7 7/8
Casing-Driller	5 1/2 @ 2000
Casing-Logger	
Bottom Logged Interval	1,998
Top Logged Interval	1,000
Type Fluid in Hole	WATER
Salinity, PPM Cl	1,000
Density, LB/GAL	8.4
Level	FULL
Max. Rec. Temp. Deg. F.	80
Operating Rig Time	3 HRS
Recorded By	D. HOWARD
Witnessed By	

RADIOACTIVE SOURCE DATA

Type	AM-241
Strength	10 MC
Serial No.	1234

RUN NO. ONE

Date	3-4-78
Depth-Driller	2,000
Depth-Logger	2,000
Bottom Logged Interval	1,998
Top Logged Interval	1,000
Type Fluid in Hole	WATER
Salinity, PPM Cl	1,000
Density, LB/GAL	8.4
Level	FULL
Max. Rec. Temp. Deg. F.	80
Operating Rig Time	3 HRS
Recorded By	D. HOWARD
Witnessed By	

EQUIPMENT DATA

Location	
Recorded By	D. HOWARD
Witnessed By	
Run No.	ONE
Bit Size, In.	7 7/8
Casing-Driller	5 1/2 @ 2000
Casing-Logger	
Bottom Logged Interval	1,998
Top Logged Interval	1,000
Type Fluid in Hole	WATER
Salinity, PPM Cl	1,000
Density, LB/GAL	8.4
Level	FULL
Max. Rec. Temp. Deg. F.	80
Operating Rig Time	3 HRS
Recorded By	D. HOWARD
Witnessed By	

RADIOACTIVE SOURCE DATA

Type	AM-241
Strength	10 MC
Serial No.	1234

CASING DATA

Size	Wt.	Grade	Type Joint	From	To
5 1/2	15.5	K-55	8RD	0	2,000

CASING DATA

Size	Wt.	Grade	Type Joint	From	To
5 1/2	15.5	K-55	8RD	0	2,000

TUBING DATA

Size	Wt.	Grade	Type Joint	From	To
2 3/8	4.7	J-55	EUE	0	1,900

TUBING DATA

Size	Wt.	Grade	Type Joint	From	To
2 3/8	4.7	J-55	EUE	0	1,900

REMARKS

Logging Unit No.	1
Logging Truck No.	1
Logging Engineer	D. HOWARD
Witnessed By	

REMARKS

Logging Unit No.	1
Logging Truck No.	1
Logging Engineer	D. HOWARD
Witnessed By	

RECORDED

Gamma Ray	0 - 100 API
Neutron	0 - 100 API
Gamma Ray	0 - 100 API
Neutron	0 - 100 API

RECORDED

Gamma Ray	0 - 100 API
Neutron	0 - 100 API
Gamma Ray	0 - 100 API
Neutron	0 - 100 API

SCALES

Gamma Ray	0 - 100 API
Neutron	0 - 100 API
Gamma Ray	0 - 100 API
Neutron	0 - 100 API

SCALES

Gamma Ray	0 - 100 API
Neutron	0 - 100 API
Gamma Ray	0 - 100 API
Neutron	0 - 100 API

WITNESSED

Gamma Ray	0 - 100 API
Neutron	0 - 100 API
Gamma Ray	0 - 100 API
Neutron	0 - 100 API

WITNESSED

Gamma Ray	0 - 100 API
Neutron	0 - 100 API
Gamma Ray	0 - 100 API
Neutron	0 - 100 API

CASING DATA

Size	Wt.	Grade	Type Joint	From	To
5 1/2	15.5	K-55	8RD	0	2,000

CASING DATA

Size	Wt.	Grade	Type Joint	From	To
5 1/2	15.5	K-55	8RD	0	2,000

TUBING DATA

Size	Wt.	Grade	Type Joint	From	To
2 3/8	4.7	J-55	EUE	0	1,900

TUBING DATA

Size	Wt.	Grade	Type Joint	From	To
2 3/8	4.7	J-55	EUE	0	1,900

REMARKS

Logging Unit No.	1
Logging Truck No.	1
Logging Engineer	D. HOWARD
Witnessed By	

REMARKS

Logging Unit No.	1
Logging Truck No.	1
Logging Engineer	D. HOWARD
Witnessed By	

RECORDED

Gamma Ray	0 - 100 API
Neutron	0 - 100 API
Gamma Ray	0 - 100 API
Neutron	0 - 100 API

RECORDED

Gamma Ray	0 - 100 API
Neutron	0 - 100 API
Gamma Ray	0 - 100 API
Neutron	0 - 100 API

SCALES

Gamma Ray	0 - 100 API
Neutron	0 - 100 API
Gamma Ray	0 - 100 API
Neutron	0 - 100 API

SCALES

Gamma Ray	0 - 100 API
Neutron	0 - 100 API
Gamma Ray	0 - 100 API
Neutron	0 - 100 API

WITNESSED

Gamma Ray	0 - 100 API
Neutron	0 - 100 API
Gamma Ray	0 - 100 API
Neutron	0 - 100 API

WITNESSED

Gamma Ray	0 - 100 API
Neutron	0 - 100 API
Gamma Ray	0 - 100 API
Neutron	0 - 100 API

GAMMA RAY

GAMMA RAY API UNITS/FEET

0 100

NEUTRON

NEUTRON MICROSECS

1000 500

GAMMA RAY

GAMMA RAY API UNITS/FEET

0 100

NEUTRON

NEUTRON MICROSECS

1000 500

ROKE

OIL COMPANY LIMITED

CALGARY, ALBERTA

SURFACE LOCATION: 1-3-24-3W4M

PROVINCIAL FIELD: ROKE

WELL: 1-3 ROKE

DRILLING CONTRACTOR: CANADIAN NATIONAL DRILLING

RIG NO.: 1

DRILLING MUD: GEL CHEM

DATE: 3-3-61

ELEVATIONS: KB 1748 DF 1747 GR 1737

CASING: 8 5/8 @ 1000 W/ 400 SX

TUBING: 2 7/8 @ 1000

PACKER: NONE

PERFORATIONS: 1000

PRODUCTION: 1000 BOPD

GAS: 1000 MCFD

WATER: 1000 BWPD

GOR: 1000

GRAVITY: 1000

TEST METHOD: 1000

CHOKE: 1000

TUBING PRESSURE: 1000

CASING PRESSURE: 1000

REMARKS: 1000

EQUIPMENT DATA

SURFACE UNIT

RUN NO.	ONE
CAL. MODEL NO.	320A
SERIES NO.	3 3 UC
CABLE LENGTH NO.	2
LENGTH	5120'CALCULATED
DEPARTURE AT 0 DEGREE	151.5 SW

SONDE NO.

SERIES NO.	3
SONDE MODEL NO.	7
INSTRUMENT NO.	38
FULL SCALE NO.	1750AGN/12A

CALIBRATION DATA

| GENERAL | | |

ROKE OIL EXPLORATION CO.

GAMMA RAY NEUTRON LOG

GAMMA RAY NEUTRON LOG

SCHLUMBERGER WELL SURVEYING CORPORATION

CASING

DRILLER

LOGGER

TYPE FLUID IN HOLE

DENS.

VISC.

PH

SOURCE OF SAMPLE

RM @ MEAS. TEMP.

RMF @ MEAS. TEMP.

RMC @ MEAS. TEMP.

SOURCE OF RMF & RMC

RM @ BHT

TIME CIRC. STOPPED

TIME LOGGER ON BOTTOM

MAX. REC. TEMP. DEG. F.

EQUIP. NO. & LOCATION

RECORDED BY

WITNESSED BY

RUN NO.

BIT NO.

TYPE

SIZE

FROM

TO

TYPE FLUID IN HOLE

DENS.

VISC.

PH

FLUID LOSS

SOURCE OF SAMPLE

RM @ MEAS. TEMP.

RMF @ MEAS. TEMP.

RMC @ MEAS. TEMP.

SOURCE OF RMF & RMC

RM @ BHT

TIME CIRC. STOPPED

TIME LOGGER ON BOTTOM

MAX. REC. TEMP. DEG. F.

EQUIP. NO. & LOCATION

RECORDED BY

WITNESSED BY

RUN NO.

BIT NO.

TYPE

SIZE

FROM

TO

CASING

DRILLER

LOGGER

ROKE

SIDEWALL DENSILOG

CALIPER

DENSILOG

Recorded Sonde Info

COMPANY	ESSO CANADA RESOURCES (INCORPORATED)
WELL	06-35-5
LOCATION	GOOSE RIVER
FIELD	WILDCAT
COUNTY, PARISH	LABRADOR
PROVINCE, STATE	NEWFOUNDLAND
Permanent Datum	GROUND LEVEL
Log Measured From	KELLY BUSHING
Drilling Measured From	KELLY BUSHING
Elev.	K.B. 1000
	D.F.
	G.L.

Date	3-4-2005
Run No.	ONE
Depth-Driller	3436
Depth-Logger	3436
Bottom Logged Interval	3436
Top Logged Interval	2962
Casing-Driller	20 @ 2962
Casing-Logger	20
Bit Size	17.5
Type Fluid in Hole	SALT GEL
Density	1.54
Viscosity	75
Fluid Loss	5.4
Source of Sample	CIRC
R_m @ Measured Temp	0.3 @ 30DEG
R_mf @ Measured Temp	
R_mc @ Measured Temp	
Source of R_mf & R_mc	
R_m @ BHT	
Time Since Circ.	12 HRS
Max. Rec. Temp.	30DEG
Equipment No.	631
Location	
Recorded By	D.PITTS
Witnessed By	

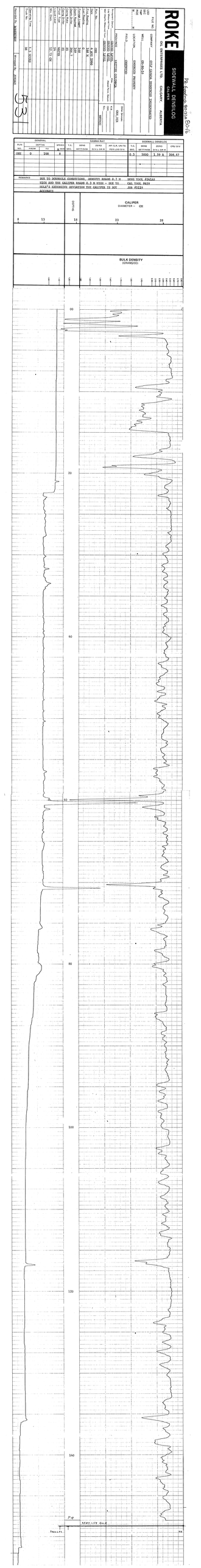
GENERAL				GAMMA RAY			SIDEWALL DENSILOG			
RUN NO.	INTERVAL FROM	INTERVAL TO	T.C. SPEED M/MIN	SENS SETTINGS	API G.R. UNITS RES.LOG (G.R.)		T.C. SPEED M/MIN	SENS SETTINGS	ZERO (C.P.S.)	CPS/ DIV
ONE	0	168	8				0.5	5000	1.59	309.67

REMARKS: RUN TO SIDEWALL CONDITIONS. DENSITY READ 0.7 M HIGH AND THE CALIPER READS 0.3 M HIGH. DUE TO ERRATIC DEVIATION THE CALIPER IS NOT ACCURATE.

GOOD TOOL FINISH
CAL TOOL PAST
Job Pitts

CALIPER
DIAMETER — CM

BULK DENSITY
(GRAMS/CC)



ROKE

DIGITAL WELL LOG

WELL 31/3-1

FIELD SNORRE

COMPANY STATOIL

COUNTRY NORWAY

DATE LOGGED 15-JUL-1991

RUN NO. ONE

DEPTH DRILLER 3050.0 M

DEPTH LOGGER 3050.0 M

BOTTOM LOGGED INTERVAL 3050.0 M

TOP LOGGED INTERVAL 2700.0 M

CASING DRILLER 13 3/8" @ 2700.0 M

BIT SIZE 12 1/4"

TYPE FLUID IN HOLE KCL/POLYMER

DENSITY 1.30 SG

VISCOSITY 50.0 S

PH 9.0

FLUID LOSS 3.0 C3

SOURCE OF SAMPLE FLOWLINE

RM @ MEAS TEMP 0.110 @ 60.0 DEGC

RMF @ MEAS TEMP 0.090 @ 60.0 DEGC

RMC @ MEAS TEMP 0.130 @ 60.0 DEGC

SOURCE RMF MEASURED

SOURCE RMC MEASURED

RM @ BHT 0.060 @ 110.0 DEGC

TIME SINCE CIRC 12.0 HRS

MAX REC TEMP 110.0 DEGC

EQUIP. LOCATION 4698

RECORDED BY HOLMES

WITNESSED BY JOHNSON

REMARKS

DENS VOL CALIP
DENS VOL DRHO
PE FILT

RUN NO.	BOTTOM LOGGED INTERVAL	TOP LOGGED INTERVAL	CASING DRILLER	CASING LOGGER	BIT SIZE	TYPE FLUID IN HOLE	DENSITY	VISCOSITY	PH	FLUID LOSS
ONE	3050.0 M	2700.0 M	13 3/8" @ 2700.0 M		12 1/4"	KCL/POLYMER	1.30 SG	50.0 S	9.0	3.0 C3

SOURCE OF SAMPLE	RM @ MEAS TEMP	RMF @ MEAS TEMP	RMC @ MEAS TEMP	SOURCE RMF	SOURCE RMC	RM @ BHT	TIME SINCE CIRC	MAX REC TEMP	EQUIP. LOCATION	RECORDED BY	WITNESSED BY
FLOWLINE	0.110 @ 60.0 DEGC	0.090 @ 60.0 DEGC	0.130 @ 60.0 DEGC	MEASURED	MEASURED	0.060 @ 110.0 DEGC	12.0 HRS	110.0 DEGC	4698	HOLMES	JOHNSON

CALIPER
DIAMETER - CM

BULK DENSITY
GM/CM3C3

Scale 1 : 20

Page 1

ROKE

CONTRACTOR — WELL SERVICES LTD.

WELL — 07-13

FIELD — PEMBINA

COUNTY — PEMBINA

PROVINCE — ALBERTA

LOCATION — 07-13-49-7W5

SURFACE LOCATION — 1980 FSL & 1980 FEL

PERMANENT DATUM — GROUND LEVEL

ELEV. — K.B. 1000.0 m, D.F. 1000.0 m, G.L. 1000.0 m

LOG MEASURED FROM — K.B. 4.0 m ABOVE PERM. DATUM

DRILLING MEASURED FROM — K.B.

DATE — 1-JUL-88

RUN NO. — ONE

DEPTH-DRILLER — 1000.0 m

DEPTH-LOGGER — 1000.0 m

BTM. LOG INTERVAL — 1000.0 m

TOP LOG INTERVAL — SURFACE

CASING — DRILLER 244.5 mm @ 0.0 m, LOGGER 244.5 mm @ 0.0 m

TYPE FLUID IN HOLE — WATER BASED MUD

DENSITY — 1.10

VISCOSITY — 50

PH — 9.5

FLUID LOSS — 5.0 cc

SOURCE OF SAMPLE — FLOWLINE

RM @ MEAS. TEMP. — 0.50 @ 20 °C

RMF @ MEAS. TEMP. — 0.40 @ 20 °C

RMC @ MEAS. TEMP. — 0.70 @ 20 °C

SOURCE RMF & RMC — MEASURED

RM @ BHT — 0.30 @ 60 °C

TIME CIRC. ENDED — 0400 1-JUL-88

TIME LOGGER ON BOTTOM — 0600 1-JUL-88

MAX. REC. TEMP. — 60 °C

EQUIP. NO. — 3

LOCATION — 3 DRAYTON VALLEY

RECORDED BY — MCLEOD/NELSON

WITNESSED BY — MR. STONE

EQUIPMENT DATA

GAMMA RAY

TOOL MODEL NO.	TYPE	SERIAL NO.	STANDOFF
1456	SCINTILLATION	3.5 GR	0.0 cm

NEUTRON

TOOL MODEL NO.	TYPE	SERIAL NO.	STANDOFF
1456	PROPORTIONAL	4A1-C4-N	0.0 cm

DENSITY

TOOL MODEL NO.	TYPE	SERIAL NO.	STANDOFF
1456	PROPORTIONAL	4A1-C4-D	0.0 cm

CASING DATA

SIZE	WEIGHT	GRADE	TOP	BOTTOM
244.5 mm	35.72 kg/m	J-55	0.0 m	244.5 m
177.8 mm	34.23 kg/m	J-55	0.0 m	1000.0 m

OPEN HOLE

SIZE	TYPE	WEIGHT	VISC.	PH	FLUID LOSS
200 mm	WATER BASED MUD	1.10	50	9.5	5.0 cc

LOGGING DATA

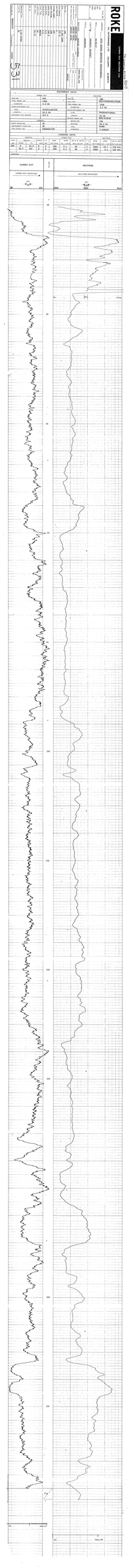
GAMMA RAY				NEUTRON			
SCALE	SCALE TYPE	OFFSET	FULL SCALE	SCALE	SCALE TYPE	OFFSET	FULL SCALE
0 - 150	LINEAR	0	150 API	0.45 - 0.15	LINEAR	0	30 %

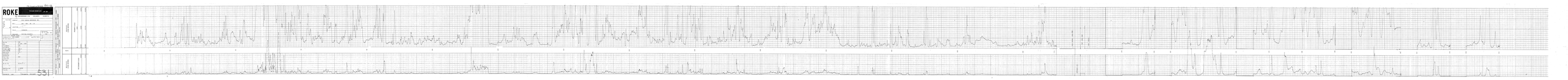
GAMMA RAY INCREASES →

← NEUTRON INCREASES

0 API 150 | 0.45 0.15 | 30 %

0 m | 1000 m




ROKE
53

ROKE

GAMMA RAY NEUTRON LOG

Recorded 19 JUN 1981

Company	ROKE PETROLEUM LTD.
Well	08-05-023-05W5
Field	SUNDRE
County	
Province	ALBERTA
Location	08-05-023-05W5
Other Services	
Permanent Datum	GROUND LEVEL
Log Measured From	KELLY BUSHING
Drilling Measured From	KELLY BUSHING
Elevation	K.B. 1384.0
	D.F.
	G.L. 1374.0
Date	19 JUN 81
Run No.	ONE
Depth-Driller	3000
Depth-Logger	3000
Bottom Logged Interval	3000
Top Logged Interval	0
Type Fluid in Hole	WATER
Salinity, PPM Cl	
Density	
Level	FULL
Max. Rec. Temp. Deg. F.	
Operating Rig Time	
Recorded By	
Witnessed By	

BOREHOLE RECORD			CASING RECORD			
No.	Bit From	To	No.	Size	Wgt.	From	To
				9 5/8"	36#	0	300

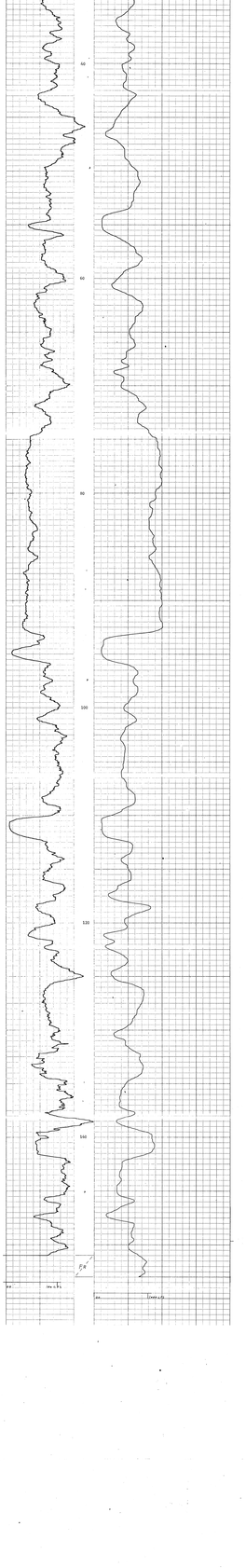
Rm @ Meas. Temp.	
Rmf @ Meas. Temp.	
Rmc @ Meas. Temp.	
Source of Rmf & Rmc	
Rm @ BHT	
Time Since Circ.	
Max. Rec. Temp. Deg. F.	
Equip. Location	
Recorded By	
Witnessed By	

531

EQUIPMENT DATA

GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.	11SA	LOG TYPE	NEUTRON/NEUTRON
	9.2 CM	TOOL MODEL NO.	11SA
JOINT/SUB			3.2 CM
DETECTOR MODEL NO.		DETECTOR	
CRYSTAL	SCINTILLATOR	MODEL NO.	
	16 CM	TYPE	PROPORTIONAL
DISTANCE TO SOURCE	153.2 CM	LENGTH	
		SOURCE MODEL NO.	MNC 0.05 M
GENERAL		MODEL NO.	11G
			43.2 CM
ABSY TOOL NO.	38	SPACING	
INTERFACE CABLE NO.	38	TYPE	Am-Be
TOOL SERIAL NO.	1138000/126	STRENGTH	3 CURIES

LOGGING DATA

GAMMA RAY						NEUTRON					
GENERAL						GENERAL					
RUN	DATE	MODE	T.C.	BASE	ZERO	API N. UNITS	F.C.	BASE	ZERO	API N. UNITS	
NO.	DAY/MO.			CYCLES	API N. UNITS	200 CPS SEC.	SEC.	CYCLES	API N. UNITS	400 CPS SEC.	
ONE	0	19/6	6	3	300	0	53	3	3000	0	300 API

REMARKS