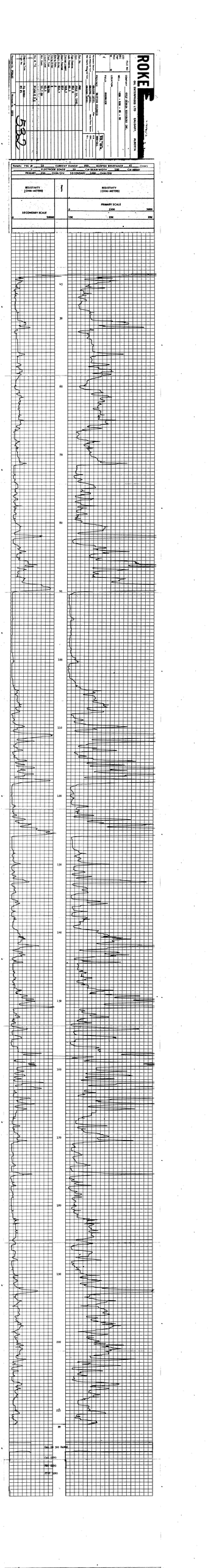
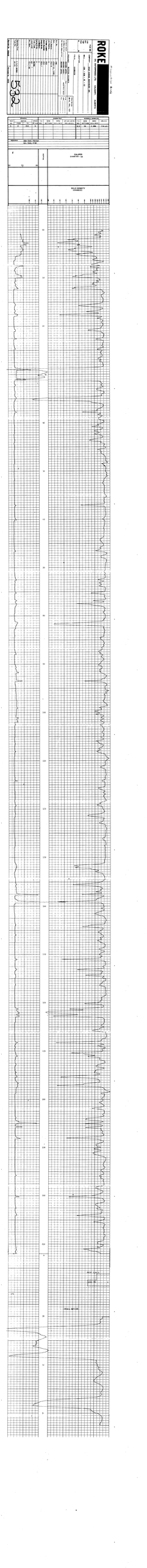

ROKE
Date 1.6.82
Operator
Rig No.
Type of Rig
Type of Bit
Bit Size
Type of Mud
Mud Weight
Mud Viscosity
Mud Resistivity
Mud Temperature
Mud Filtrate
Mud Cake
Max. Rec. Temp.
Time Since Circ.
Time on Bottom
Time Logged
Max. Recorded Temp.
Equipment Location
Recorded By
Witnessed By
Run No.
Depth Driller
Depth Logger
Bottom Logged Interval
Top Logged Interval
Casing Driller
Casing Logger
Bit Size
Type Fluid in Hole
Density
Level
Max. Rec. Temp.
Estimated Cement Top
Time Since Circulation
Time Since Circulation
Max. Rec. Temp.
Equipment Number
Location
Recorded By
Witnessed By
532
Resistivity
Current Range
Mudfish Resistivity
Ch/m
Electrode Spacing
Cm Beam Width
Cm Abbr.
Primary
Ohm/Cm
Secondary
Ohm/Cm
Resistivity (Ohm-metres)
Secondary Scale
Primary Scale
0
2500
5000
10K
20K
30K
40K
50K
60K
70K
80K
90K
100K
110K
120K
130K
140K
150K
160K
170K
180K
190K
200K
210K
220K
230K
240K
250K
260K
270K
280K
290K
300K
Cal. @ 300 Ramp
Cal. 250
Cal. 200
Cal. 150


ROKE
5332

IROKE

CALIPER

OIL ENTERPRISES LTD. CALGARY, ALBERTA

WELL NO. 90 | COMPANY PETRO CANADA EXPLORER INC.

LOCATION 42N - 22E - 6 - 03

FIELD BOUNDARY

PROVINCE BRITISH COLUMBIA

Other Services: GR

Elev.: K.B. 328 | D.F. | G.L.

Permanent Datum: GROUND LEVEL | Elev. 328

Log Measured from: GROUND LEVEL | 0.0 Ft. Above Perm. Datum

Drilling Measured from: K.B.

Rec. No. 1 | Date 13-1-1985 | Type Log CALIPER

Run No. ONE | Depth-Driller 2000 | Depth-Logger 1998.5 | Bottom Logged Interval 1998.5 | Top Logged Interval 0 | Casing-Driller 9 5/8 @ 70 | Casing-Logger 70 | Bit Size 8 1/2 | Type Fluid in Hole GEL/WATER | Dens. Visc. 10.1 LB/G CP

Max. Rec. Temp. 70 °C | Equip. Location 6-90 | Recorded By R. LEWIS | Witnessed By J. ROKE

GENERAL			GAMMA RAY				BOREHOLE DENSILOG			
RUN NO.	DEPTH FROM	DEPTH TO	SPEED M/MIN	T.C. SEC.	BASE SETTINGS	ZERO DIVS. ON X	API G.R. UNITS PER LOG DIV.	T.C. SEC.	BASE SETTINGS	ZERO DIVS. ON X
1	0	70	6					0.5	.02	2.898

CPS/DIV 139.45

REMARKS DEN TOOL #2434
CAL TOOL #780

HOLE BRIDGED AT 71 M

CUTTING

CALIPER
DIAMETER - CM

10 15 20 | 25

BULK DENSITY
(GRAMS/CC)

00 10 20 30 40 50 60 70 FP 80 90 00 10 20 30 40 50

SHIP 2.54 3

1000 CPS

TIP 4.75 DEPOTOM

532

PR-Goodrich 81(3)A 81-03

ROKE [redacted]

OIL ENTERPRISES LTD. CALGARY, ALBERTA

FILE NO.
LSD
SEC
TWP
RGE
W ______ M

COMPANY GULF CANADA RESOURCES INC.

WELL GDR - RDH - 81 - 03

LOCATION

FIELD GOODRICH

PROVINCE BRITISH COLUMBIA

Other Services: DEN-CAL, DIR

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

Run. No.	ONE		
Date	JULY 12, 1981.		
First Reading	182 M		
Last Reading	0		
Footage Logged	182		
Depth Reached	183		
Depth Driller	201.2		
Casing Roke	2.5		
Casing Driller	3		
Fluid Type	WATER		
Liquid Level	63.8		
Min. Diam.	12.7 CM		
Rm @			
Operating Time	1 HOUR		
Truck No.	FU #1	532	

Recorded By PUBANZ Witnessed By ZSCHACH

EQUIPMENT DATA

GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.	125	LOG TYPE	NEUTRON/NEUTRON
DIAMETER	3.2 CM	TOOL MODEL NO.	
DETECTOR MODEL NO.		DIAMETER	3.2 CM
TYPE	SCINTILLATION	DETECTOR MODEL NO.	
LENGTH	10 CM	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	2 M	LENGTH	15 CM
		SOURCE MODEL NO.	MRC-N-SS-W
GENERAL		SERIAL NO.	126
HOIST TRUCK NO.		SPACING	38 CM
INSTRUMENT TRUCK NO.		TYPE	AmBe
TOOL SERIAL NO.	125A004	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	63	4	2	500	0	20	2	10K	10L	300
	63	182	4	2	500	0	20	2	5K	0L	150

REMARKS HOLE BRIDGED AT 183 M

GAMMA RAY	DEPTHS	NEUTRON
GAMMA RAY INCREASES → API 20 (0 – 200)		NEUTRON INCREASES → API 300 (3000 – 6000 – 9000)

ROKE
COMPANY, INC. HOUSTON, TEXAS

Operator	
Well	
Field	
County	
State	
Other Services	
Permanent Datum	
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	
Equipment No. & Location	
Recorded By	
Witnessed By	

RUN NO.	BIT	FROM	TO	CASING SIZE	WGT.	TYPE FLUID IN HOLE	DENSITY	VISC.	PH	FLUID LOSS	SOURCE OF SAMPLE	RM @ MEAS. TEMP.	RMF @ MEAS. TEMP.	RMC @ MEAS. TEMP.	SOURCE RMF	SOURCE RMC	RM @ BHT	TIME SINCE CIRC.	MAX. REC. TEMP. DEG. F	EQUIP. LOCATION	RECORDED BY	WITNESSED BY

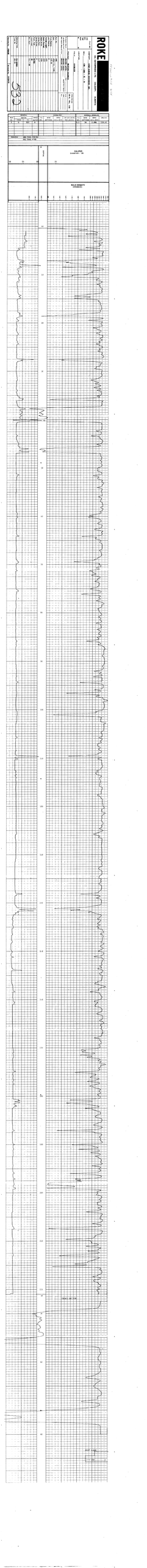
REMARKS: RIG: FULL STACK
CALL: FULL STAR

COLLAR
Inside Dia. - in

BULK DENSITY
Grams/cc

GAMMA RAY
API Units

CALIPER
Inches


ROKE
ROKE OIL (U.K.) LTD.
ROKE HOUSE, HIGH STREET, EGHAM, SURREY, TW20 9HY
TEL: EGHAM (0784) 32551
TELEX: 264475
WELL NAME
53
LOCATION
COUNTY
STATE
FIELD
COMPANY
ROKE OIL (U.K.) LTD.
WELL NAME
53
LOCATION
COUNTY
STATE
FIELD
PERMANENT DATUM
ELEV.
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 RMF
SOURCE RMC
RM @ BHT
TIME SINCE CIRC.
MAX. REC. TEMP.
EQUIP. LOCATION
RECORDED BY
WITNESSED BY
RUN BOREHOLE RECORD
CASING RECORD
REMARKS
BHC SONIC GR-CAL
DLL MSFL GR-CAL
CDL CNL GR-CAL
CALIPER
BULK DENSITY
CORRELATION

ROKE
OIL ENTERPRISES LTD. CALGARY, ALBERTA

Goodrich 81-04

FILE NO.	
COMPANY	GULF CANADA RESOURCES INC.
WELL	GIR - RDH - 81 - 04
LOCATION	
FIELD	GOODRICH
LSD / SEC / TWP / RGE	
W. __ M	
PROVINCE	BRITISH COLUMBIA
Permanent Datum	GROUND LEVEL
Log Measured from	GROUND LEVEL
Well Depths Measured from	GROUND LEVEL
Elev. / Above Perm. Datum	
K.B. / CSG / G.L.	
Other Services	DIR, DEN-CAL, FBL

Run. No.	ONE
Date	JULY 13, 1981
First Reading	222 M
Last Reading	0
Footage Logged	222
Depth Reached	223
Depth Driller	224
Casing Rake	2.5
Casing Driller	3
Fluid Type	WATER
Fluid Level	87.8
Min. Diam.	12.7 CM
Rm @	
Operating Time	1½ HOURS
Truck No.	FU #1
Recorded By	PUBANZ
Witnessed By	ZSCHACH

532

EQUIPMENT DATA

GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.	125	LOG TYPE	NEUTRON/NEUTRON
DIAMETER	3.2 CM	TOOL MODEL NO.	
DETECTOR MODEL NO.		DIAMETER	3.2 CM
TYPE	SCINTILLATION	DETECTOR MODEL NO.	
LENGTH	10 CM	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	2 M	LENGTH	15 CM
GENERAL		SOURCE MODEL NO.	MRC-N-SS-W
HOIST TRUCK NO.		SERIAL NO.	126
INSTRUMENT TRUCK NO.		SPACING	38 CM
TOOL SERIAL NO.	125A004	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.
1	0	222	4	2	500	0	20	2	10K	10	300
			4	2	500	0	20	2	5K	0	150

REMARKS

ROKE

OIL DEVELOPMENTS LTD. CALGARY ALBERTA

FILE NO. COMPANY ESSO RESOURCES, INC.

WELL LOCATION 629 - 50 W. 21 - 36

FIELD COUNTY/PARISH

PROVINCE/STATE MERIDIAN/DISTRICT

Elevations: KB DF GL

Permanent Datum: Log Measured From: Drilling Measured From:

Date: Run No.: Depth-Driller: Depth-Logger: Bottom Logged Interval: Top Logged Interval: Casing-Driller: Casing-Logger: Bit Size: Type Fluid in Hole: Density: Viscosity: pH: Fluid Loss: Source of Sample: Rm @ °F: Rmf @ °F: Rmc @ °F: Source of Rmf: Source of Rmc: Rm @ BHT: Time Since Circ.: Max. Rec. Temp. °F: Equip. No. Location: Recorded By: Witnessed By:

Date	JUNE 13, 1970
Run No.	ONE
Depth-Driller	9150
Depth-Logger	9154
Bottom Logged Interval	9150
Top Logged Interval	8000
Casing-Driller	9 5/8 @ 8000
Casing-Logger	9 5/8 @ 8000
Bit Size	8 1/2
Type Fluid in Hole	WATER
Density	8.4
Viscosity	28
pH	10.0
Fluid Loss	11.4
Source of Sample	FLOWLINE
Rm @ °F	31.0 @ 84°F
Rmf @ °F	
Rmc @ °F	
Source of Rmf	
Source of Rmc	
Rm @ BHT	31.0 @ 84°F
Time Since Circ.	3 HOURS
Max. Rec. Temp. °F	84
Equip. No. Location	532
Recorded By	
Witnessed By	

Run No. ONE — Depth-Driller 9150 — Depth-Logger 9154 — Bottom Logged Interval 9150 — Top Logged Interval 8000 — Casing-Driller 9 5/8 @ 8000 — Casing-Logger 9 5/8 @ 8000 — Bit Size 8 1/2 — Type Fluid in Hole WATER — Density 8.4 — Viscosity 28 — pH 10.0 — Fluid Loss 11.4 — Source of Sample FLOWLINE — Rm @ °F 31.0 @ 84°F — Rmf @ °F — Rmc @ °F — Source of Rmf — Source of Rmc — Rm @ BHT 31.0 @ 84°F — Time Since Circ. 3 HOURS — Max. Rec. Temp. °F 84 — Equip. No. Location 532 — Recorded By — Witnessed By

Remarks: FBL # 8 CURRENT RANGE LOW MUDFISH RESISTANCE 50 OHMS

ELECTRODE SONDE 60 CM BEAM WIDTH 100 CM ARRAY

PRIMARY 500 OHM/VOLT SECONDARY 18 OHM/VOLT

RESISTIVITY (OHM-METERS) — Depths — RESISTIVITY (OHM-METERS)

SECONDARY SCALE 0 — 10K

PRIMARY SCALE 0 — 2000 — 4000 — 12K — 23K — 33K

90 100 110 120 130 140 150 160 170 180 190 200 210 220

CAL CATCHER 16 PAINTS

CAL 120%

CAL 100%

CAL 80%

ROKE
INSTRUMENTS INC. QUARRY ROAD
STAMFORD, CONN. 06907 U.S.A.
TEL. (203) 348-5393 TWX 710 474 1347

COMPANY	
WELL	
FIELD	
COUNTY	
STATE	
LOCATION	
SEC.	
TWP.	
RGE.	
PERMANENT DATUM	
ELEV.	
LOG MEASURED FROM	
DRILLING MEASURED FROM	
DATE	
RUN NO.	
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 OF RMF & RMC	
RM @ BHT	
TIME SINCE CIRC.	
MAX. REC. TEMP.	
EQUIP. LOCATION	
RECORDED BY	
WITNESSED BY	

532

EQUIPMENT DATA

GAMMA RAY	
RUN NO.	
TOOL MODEL NO.	
SERIAL NO.	
DETECTOR	
CRYSTAL NO.	
LENGTH	
DIA.	
SENSITIVITY	
HOUSING MODEL NO.	
SERIAL NO.	
DIA.	
LENGTH	

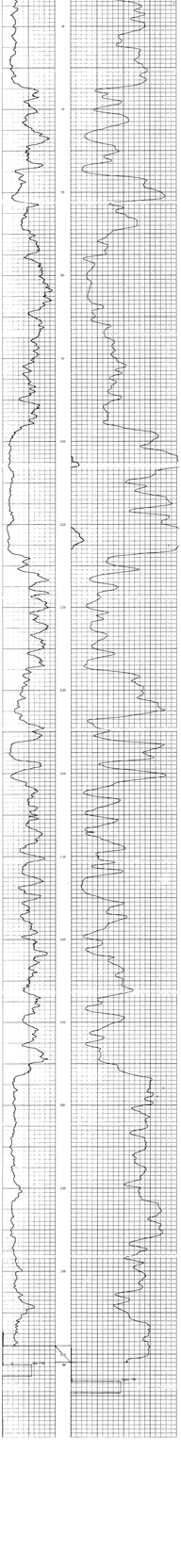
NEUTRON	
RUN NO.	
TOOL MODEL NO.	NEUTRON/INDUCTION
SERIAL NO.	
SOURCE	3.0 CM
SOURCE STRENGTH NO.	
TYPE	PROPORTIONAL
LENGTH	
DIA.	3.625 IN.
HOUSING MODEL NO.	
SERIAL NO.	126
DIA.	4.25
LENGTH	
SENSITIVITY	1 CPS/API

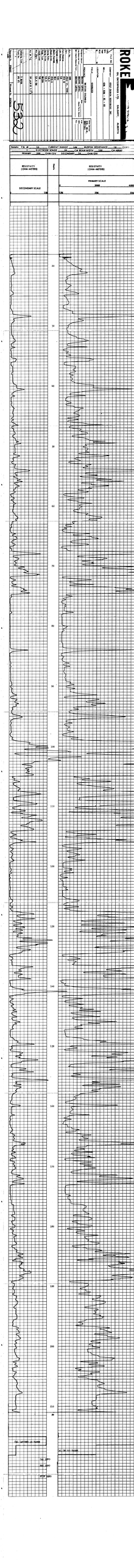
LOGGING DATA

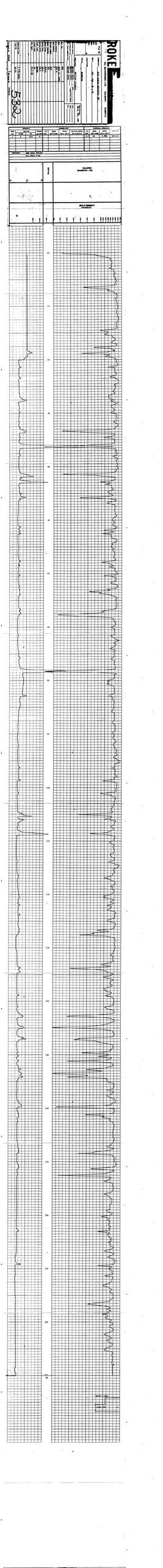
GAMMA RAY										NEUTRON									
RUN NO.	TIME	NO.	TYPE	SCALE	L.C.	TIME CONST.	API UNITS	SPD. IN FPM	L.S.	RUN NO.	TIME	NO.	TYPE	SCALE	L.C.	TIME CONST.	API UNITS	SPD. IN FPM	L.S.
1	0	13	A	2	100	0	10	0	10	1	10	13	A	10	100	0	10	0	10
1	0	14	A	2	100	0	10	0	10	1	10	14	A	10	100	0	10	0	10

REMARKS

GAMMA RAY	Scale	NEUTRON
GAMMA RAY INCREASES →		← NEUTRON INCREASES
API UNITS 0 — 100		API UNITS 1000 — 1000




ROKE
532
RESISTIVITY (OHM-METRES)
RESISTIVITY (OHM-METRES)
PRIMARY SCALE
SECONDARY SCALE
0
1000
10
20
30
40
50
60
70
80
90
100
110
120
130
140
150
160
170
180
190
200
210


PROKE
5582
CALIPER
DIAMETER - (IN)
BULK DENSITY
(GRAM/CC)

ROKE OIL EXPLORATION LTD.

COMPANY ROKE OIL EXPLORATION LTD.

WELL 532

FIELD WILDCAT

COUNTY, PROVINCE CLARKE LAKE

LOCATION 16-94-19W2M

SURFACE LOCATION 1980' FSL & 1980' FEL

PERMANENT DATUM GROUND LEVEL

ELEV. 1980'

LOG MEASURED FROM K.B.

DRILLING MEASURED FROM K.B.

ELEV. K.B. 1990'

ELEV. D.F. 1989'

ELEV. G.L. 1980'

DATE 1-3-79

RUN NO. ONE

TYPE LOG GAMMA RAY NEUTRON

DEPTH DRILLER 2100'

DEPTH LOGGER 2100'

BTM. LOG INTERVAL 2100'

TOP LOG INTERVAL 1000'

CASING DRILLER 8 5/8" @ 1000'

CASING LOGGER 1000'

BIT SIZE 7 7/8"

TYPE FLUID IN HOLE GEL CHEM

DENS. 9.8

VISC. 45

PH 10.5

FLUID LOSS 8.0 c.c.

SOURCE OF SAMPLE FLOWLINE

RM @ MEAS. TEMP. 1.0 @ 70°F

RMF @ MEAS. TEMP. 1.0 @ 70°F

RMC @ MEAS. TEMP. 1.0 @ 70°F

SOURCE OF RMF MEASURED

SOURCE OF RMC MEASURED

RM @ BHT 0.5 @ 120°F

TIME SINCE CIRC. 12 HRS.

MAX. REC. TEMP. 120°F

EQUIP. LOCATION 1-94-19W2M

RECORDED BY D. MCLEAN

WITNESSED BY MR. MCKINNON

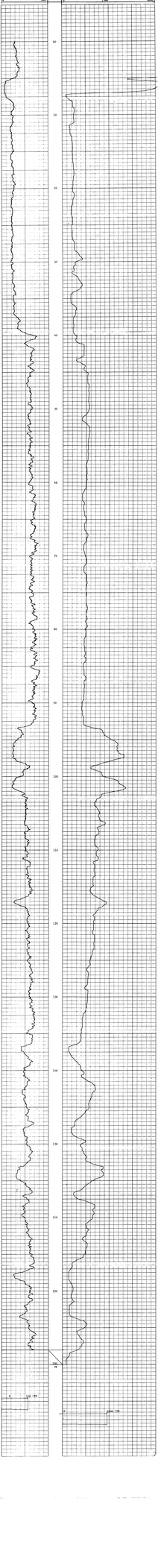
REMARKS RUN ONE - GAMMA RAY NEUTRON

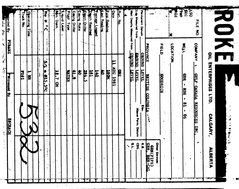
EQUIPMENT DATA

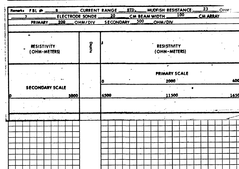
GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.	132	TOOL TYPE	NEUTRON-NEUTRON
SERIAL NO.	3-204	TOOL SERIAL NO.	3-204
SKID/CAR MODEL NO.		GAMMA DIA.	3 3/4"
TYPE	SCINTILLATION	DETECTOR MODEL NO.	
DETECTOR	2NA	TYPE	PROPORTIONAL
SPACING TO S. SOURCE		LENGTH	3.75"
		SOURCE MODEL NO.	MISC-N-55-M
SERIAL		SERIAL NO.	555
		SPACING	15"
CHART TRACK NO.		STRENGTH	Purple
INSTRUMENT TRACK NO.	PORT		
TOOL SERIAL NO.	LOGGER	LENGTH	3 1/4"133

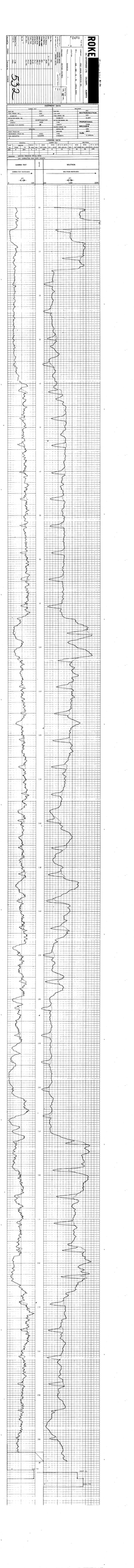
LOGGING DATA

GAMMA RAY								NEUTRON							
RUN	TYPE	MEAS.	SPEED	F.O.	SENS.	ZERO	API & M. UNITS		F.O.	SENS.	ZERO	API & M. UNITS			
ONE	LOG	FT.	FPM				LEFT	RIGHT				LEFT	RIGHT		
		100	1000				0	100				0	100		



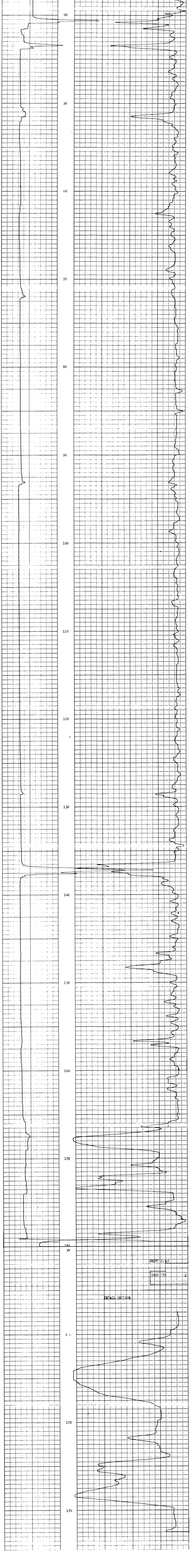

BROKE
5382

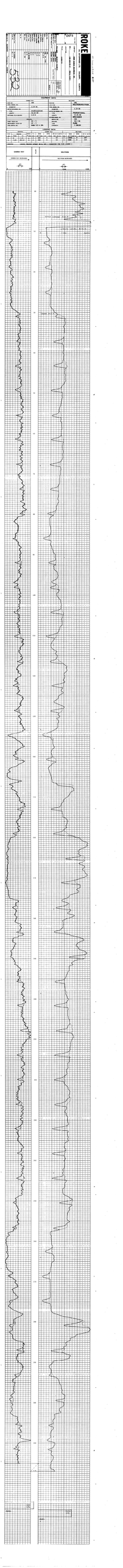

Remarks: FSL @ 0 CURRENT RANGE 400 HORIZ RESISTANCE 10 Ohm²/m
ELECTRODE SPACING 8 CM BEAM WIDTH 60 CM ARRAY
PRIMARY 1000 OHM-CM² SECONDARY 500 OHM-CM²
RESISTIVITY (OHM-METRES)
SECONDARY SCALE
0 1000
RESISTIVITY (OHM-METRES)
PRIMARY SCALE
0 6000
6500 11500 16500
DEPTH
90
100
110
120
130
140
150
160
170
180
190
DRILLED DEPTH
166
176
CAL. ON 200 PARTS
CAL. ZERO


ROKE
532
COMPANY DATA
GAMMA RAY
NEUTRON
GAMMA RAY NEUTRON
NEUTRON (NEUTRON)

ROKE

532




ROKE
GAMMA RAY - NEUTRON
GAMMA RAY
NEUTRON
GAMMA RAY - NEUTRON
NEUTRON INCREASES
GAMMA RAY INCREASES

ROKE

COMPANY	CONOCO INC.
WELL	33
FIELD	
COUNTY	ROOSEVELT
STATE	NEW MEXICO
LOCATION	1650' FSL & 1650' FEL
SEC	33
TWP	7S
RGE	33E
PERMANENT DATUM	GROUND LEVEL
ELEV.	4171
LOG MEASURED FROM	KB 10 FT. ABOVE PERM. DATUM
DRILLING MEASURED FROM	KB
API SERIAL NO.	30-041-20-966

RUN NO.	ONE
DATE	12-6-78
TYPE LOG	DUAL INDUCTION LATEROLOG
DEPTH-DRILLER	4,700 FT.
DEPTH-LOGGER	4,700 FT.
BTM. LOG INTERVAL	4,700 FT.
TOP LOG INTERVAL	SURFACE CASING
CASING-DRILLER	8 5/8 @ 1,200 FT.
CASING-LOGGER	1,200 FT.
BIT SIZE	7 7/8 IN.
TYPE FLUID IN HOLE	GEL CHEM
DENS.	9.2 LBS/GAL
VISC.	40 SEC
PH	10.5
FLUID LOSS	8 CC
SOURCE OF SAMPLE	FLOWLINE
RM @ MEAS. TEMP.	.75 @ 70 °F
RMF @ MEAS. TEMP.	.60 @ 70 °F
RMC @ MEAS. TEMP.	.90 @ 70 °F
SOURCE RMF	MEASURED
SOURCE RMC	MEASURED
RM @ BHT	.30 @ 150 °F
TIME SINCE CIRC.	12 HRS
MAX. REC. TEMP.	150 °F
EQUIP. LOCATION	1000
RECORDED BY	J. WILLIAMS
WITNESSED BY	

RUN NO.	BOREHOLE RECORD				CASING RECORD			
	BIT NO.	FROM	TO	SIZE	WGT.	GRADE	FROM	TO
ONE	1	SURF.	1,200	7 7/8			SURF.	1,200

GAMMA RAY	0 — 100
CABLE SPEED	30 FPM
SP	-100 — 0
RESISTIVITY	0.2 — 2000
SHALLOW RESISTIVITY	0.2 — 2000
MEDIUM RESISTIVITY	0.2 — 2000
DEEP RESISTIVITY	0.2 — 2000
DEPTH	1" = 100'

GAMMA RAY

CABLE SPEED INCREASED

SP

RESISTIVITY

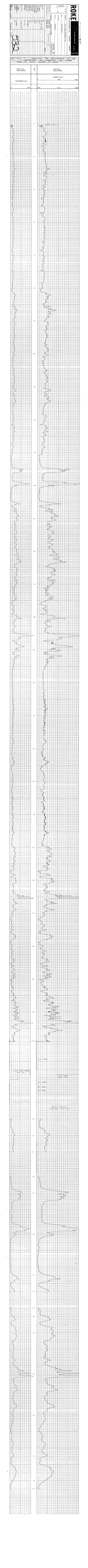
SHALLOW RESISTIVITY

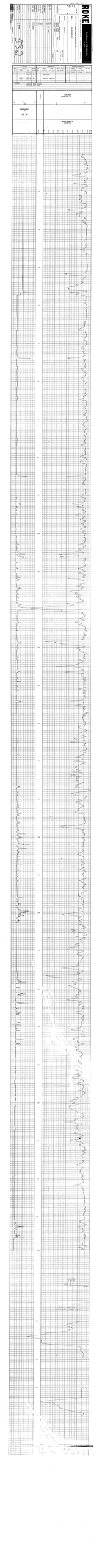
MEDIUM RESISTIVITY

DEEP RESISTIVITY

DEPTH

1" = 100'




ROKE
RESISTIVITY
GAMMA RAY
CALIPER
BULK DENSITY CORRECTION

80-18 4109 2-4

PR-Goodrich 81(3)A 81-08

ROKE

GAMMA RAY NEUTRON LOG

OIL ENTERPRISES LTD. CALGARY, ALBERTA

FILE NO.	
LSD	
SEC	
TWP	
RGE	
W ___ M	
COMPANY	GULF CANADA RESOURCES INC.
WELL	GDR-RDH-81-08
LOCATION	
FIELD	GOODRICH
PROVINCE	BRITISH COLUMBIA
Other Services:	DENS-CAL, FBL, 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	AUG. 23, 1981.
First Reading	290.0
Last Reading	0
Footage Logged	290.0
Depth Reached	291
Depth Driller	292
Casing Roke	36.5
Casing Driller	36.5
Fluid Type	AIR/WATER
Liquid Level	15.0 M
Min. Diam.	12.7 CM
Rm @	
Operating Time	1½ HOURS
Truck No.	FU - 1
Recorded By	FAGERNESS
Witnessed By	ZSCHACH

532

EQUIPMENT DATA

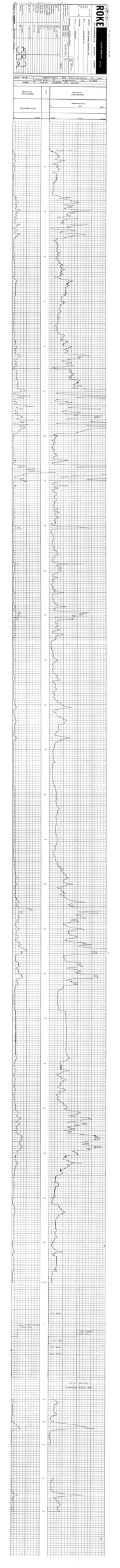
GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON
DIAMETER	3.18 CM	TOOL MODEL NO.	
DETECTOR MODEL NO.		DIAMETER	3.18 CM
TYPE	SCINTILLATION	DETECTOR MODEL NO.	
LENGTH	10.16 CM	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	2.0 M	LENGTH	15.24 CM
GENERAL		SOURCE MODEL NO.	MRC-N-SS-W
		SERIAL NO.	126
HOIST TRUCK NO.	FU - 1	SPACING	38.1 CM
INSTRUMENT TRUCK NO.	FU - 1	TYPE	AmBe
TOOL SERIAL NO.	RGRN 125 A 004	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	14.5	4	3	500	0	15	3	10000	0	240
1	14.5	290.0	4	3	500	0	15	3	5000	0	120

REMARKS

GAMMA RAY	DEPTHS	NEUTRON
GAMMA RAY INCREASES → API 15; 0 – 150		NEUTRON INCREASES → API 240; 0 – 2400 – 4800


ROKE
SECONDARY SCALE
PRIMARY SCALE

KDH 81-01

PR Goodrich 81(3)A 81-09

ROKE OIL ENTERPRISES LTD. CALGARY, ALBERTA

SIDEWALL DENSILOG
CALIPER

FILE NO.
LSD
SEC
TWP
RGE
W_____M

COMPANY GULF CANADA RESOURCES INC.
WELL GDR-RDH-81-09
LOCATION
FIELD GOODRICH
PROVINCE BRITISH COLUMBIA

Other Services: GRN (OPEN), GRN (RODS), FBL, 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	SEPT. 2, 1981.
First Reading	364.0 M
Last Reading	0
Footage Logged	364.0
Depth Reached	364.5
Depth Driller	366
Casing Roke	43.6
Casing Driller	44
Fluid Type	AIR/WATER
Liquid Level	
Min. Diam.	12.7 CM
Operating Time	1½ HOURS
Truck No.	FU - 1
Recorded By	FAGERNESS
Witnessed By	ZSCHACH

532

GENERAL				GAMMA RAY				SIDEWALL DENSILOG			
RUN NO.	DEPTHS FROM	DEPTHS TO	SPEED M/MIN	T.C. SEC.	SENS SETTINGS	ZERO DIV.L OR R	API G.R. UNITS PER LOG DIV.	T.C. SEC.	SENS SETTINGS	ZERO DIV.L OR R	CPS/DIV
1	0	364.0	8					0.5	5000	2.56R	149.76
1	0	364.0	8	CALIPER							
1	73.0	77.0	4	DETAIL DENSITY							
1	260.0	263.0	4								

REMARKS DENSITY TOOL #422AS
CALIPER TOOL #785

CALIPER
DIAMETER – CM
10 15 20 25

DEPTHS

GAMMA RAY
API

BULK DENSITY
(GRAMS/CC)
1.00 1.10 1.20 1.30 1.40 1.50 1.60 1.70 1.80 1.90 2.00 2.10 2.20 2.30 2.40 2.50 2.60 2.70 2.80

ROKE OIL ENTERPRISES LTD. CALGARY, ALBERTA

GAMMA RAY NEUTRON LOG

PR Goodrich 81/3/A 81-09

FILE NO.	
COMPANY	GULF CANADA RESOURCES INC.
WELL	GDR-RDH-81-09 (DRILL RODS)
LOCATION	
LSD / SEC / TWP / RGE	W M
FIELD	GOODRICH
PROVINCE	BRITISH COLUMBIA
Permanent Datum	GROUND LEVEL Elev.
Log Measured from	GROUND LEVEL
Well Depths Measured from	GROUND LEVEL Above Perm. Datum
Other Services:	GRN (OPEN), FBL, DENS-CAL, DIR
K.B. / CSG / G.L.	METRIC

Run. No.	ONE
Date	SEPT. 2, 1981.
First Reading	360.0 M
Last Reading	0
Footage Logged	360.0
Depth Reached	361.0
Depth Driller	366
Casing Driller	43.6
Casing Roke	44
Fluid Type	AIR/WATER
Liquid Level	19.25 M
Min. Diam.	12.7 CM
Rm @	
Operating Time	1½ HOURS
Truck No.	FU - 1
Recorded By	FAGERNESS
Witnessed By	ZSCHACH

532

EQUIPMENT DATA

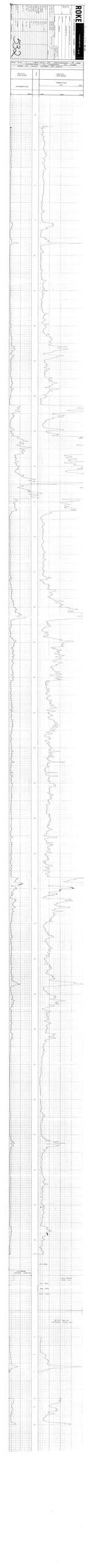
GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON
DIAMETER	3.18 CM	TOOL MODEL NO.	
DETECTOR MODEL NO.		DIAMETER	3.18 CM
TYPE	SCINTILLATION	DETECTOR MODEL NO.	
LENGTH	10.16 CM	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	2.0 M	LENGTH	15.24 CM
GENERAL		SOURCE MODEL NO.	MRC-N-SS-W
HOIST TRUCK NO.	FU - 1	SERIAL NO.	126
INSTRUMENT TRUCK NO.	FU - 1	SPACING	38.1 CM
TOOL SERIAL NO.	RGRN 125 A 004	TYPE	AmBe
		STRENGTH	3 CURIES

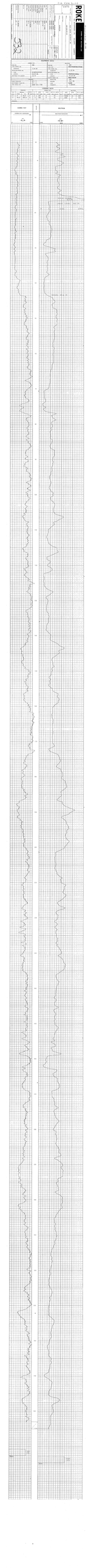
LOGGING DATA

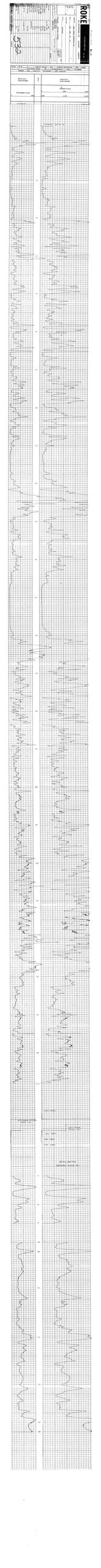
RUN NO.	DEPTHS FROM	DEPTHS TO	SPEED M/MIN	GAMMA RAY T.C. SEC.	GAMMA RAY SENS SETTINGS	GAMMA RAY ZERO DIV. L OR R	API G. R. UNITS PER LOG DIV.	NEUTRON T.C. SEC.	NEUTRON SENS SETTINGS	NEUTRON ZERO DIV. L OR R	API N. UNITS PER LOG DIV.
1	0	360.0	4	3	500	0	10	3	5000	0	110

REMARKS LOGGED THROUGH ROTARY DRILL RODS
NOTE: LOG CORRECTED FOR PIPE JOINTS TO 280 M.

GAMMA RAY	DEPTHS	NEUTRON
GAMMA RAY INCREASES → API 10; 0 – 100		NEUTRON INCREASES → API 110; 0 – 1100 – 2200




ROKE
ROKE OILFIELD SERVICES LTD.
CALIBRATION REPORT
GAMMA RAY
NEUTRON
GAMMA RAY
NEUTRON



ROKE

513

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

EQUIPMENT DATA

CASING REC.		SELECTED
RUN NO.		RUN NO.
LOG MEAS. FR.	K.B.(M)	LOG MEAS. FR.
REC'D FROM HOLE NO.		REC'D FROM HOLE NO.
CASING-DRILLER		CASING-DRILLER
CASING-LOGGER		CASING-LOGGER
BTM. LOG INTERVAL		BTM. LOG INTERVAL
TOP LOG INTERVAL		TOP LOG INTERVAL
BOREHOLE REC. NO.		BOREHOLE REC. NO.
BIT SIZE		BIT SIZE
TYPE FLUID IN HOLE		TYPE FLUID IN HOLE
DENS. VISC.		DENS. VISC.
PH FLUID LOSS		PH FLUID LOSS
RM @ MEAS. TEMP.		RM @ MEAS. TEMP.
RMF @ MEAS. TEMP.		RMF @ MEAS. TEMP.
RMC @ MEAS. TEMP.		RMC @ MEAS. TEMP.
RM @ BHT		RM @ BHT
TIME SINCE CIRC.		TIME SINCE CIRC.
MAX. REC. TEMP.		MAX. REC. TEMP.
EQUIP. LOCATION		EQUIP. LOCATION
RECORDED BY		RECORDED BY
WITNESSED BY		WITNESSED BY

NEUTRON-NEUTRON

K.B.(M)

PROPRIETARY

WELL SITE

LOGGING DATA

CASING						OPEN HOLE					
SIZE	WGHT	GRADE	FROM	TO	BIT SIZE	FROM	TO	BIT SIZE	FROM	TO	BIT SIZE

REMARKS: NEUTRON DENSITY MICRO LOG

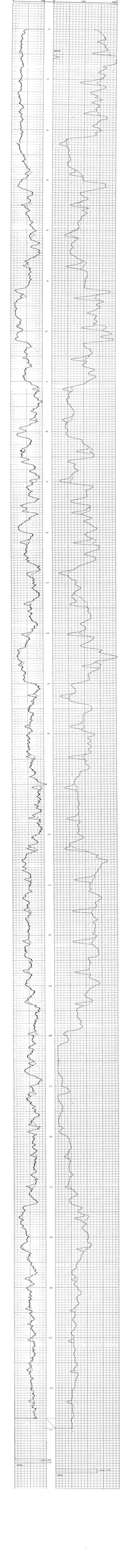
GAMMA RAY-NEUTRON

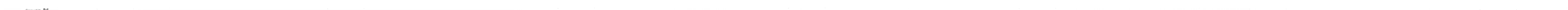
GAMMA RAY

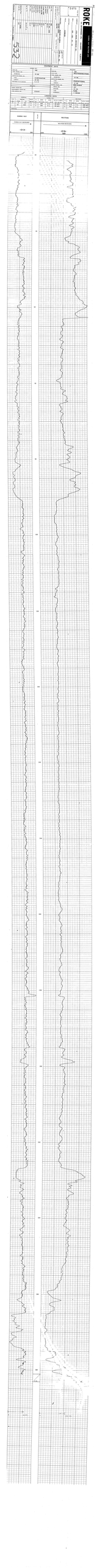
0 API 200

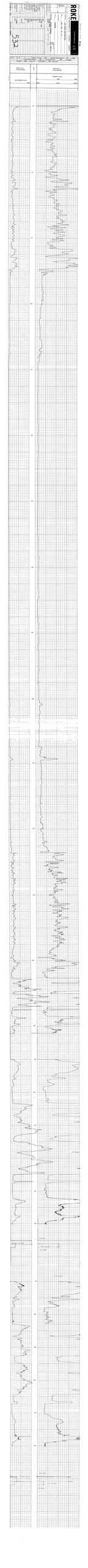
NEUTRON

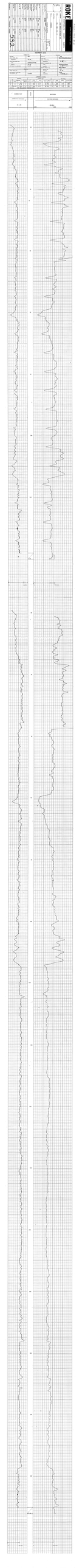
0 % 30

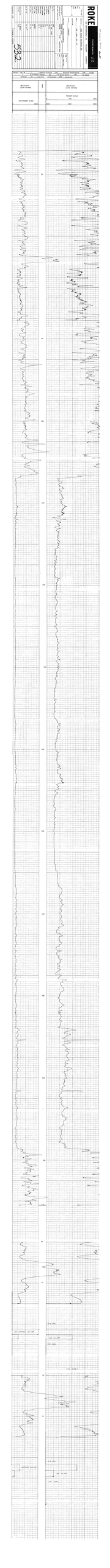


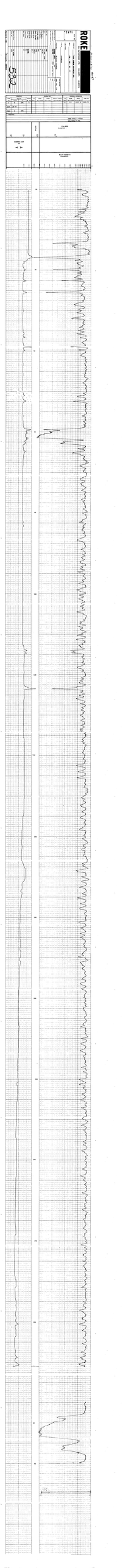

ROKE
SWEDEN
SWEDEN
532


ROKE
532






ROKE
Petrophysics
533
PLATE
Company
Well
Field
County
State
Location
Other Services
Permanent Datum
Elev.
Log Measured From
Drilling Measured From
Date
Run No.
Depth-Driller
Depth-Logger
Bottom Logged Interval
Top Logged Interval
Type Fluid in Hole
Salinity
Density
Viscosity
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
RUN
BIT
CASING
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
RESISTIVITY
CONDUCTIVITY
SPONTANEOUS POTENTIAL
GAMMA RAY
NEUTRON
DENSITY
SONIC
CALIPER
DEPTH
DEPTH CONTROL
LOGGING MEASURED FROM
DRILLING MEASURED FROM
PERMANENT DATUM
ELEVATION
ELEVATION K.B.
ELEVATION D.F.
ELEVATION G.L.
RESISTIVITY CURVE INDICATION
SPONTANEOUS POTENTIAL CURVE INDICATION
GAMMA RAY CURVE INDICATION
NEUTRON CURVE INDICATION
DENSITY CURVE INDICATION
SONIC CURVE INDICATION
CALIPER CURVE INDICATION
DEPTH CONTROL CURVE INDICATION
RESISTIVITY CURVE INDICATION
SPONTANEOUS POTENTIAL CURVE INDICATION
GAMMA RAY CURVE INDICATION
NEUTRON CURVE INDICATION
DENSITY CURVE INDICATION
SONIC CURVE INDICATION
CALIPER CURVE INDICATION
DEPTH CONTROL CURVE INDICATION
RESISTIVITY SCALE
SPONTANEOUS POTENTIAL SCALE
GAMMA RAY SCALE
NEUTRON SCALE
DENSITY SCALE
SONIC SCALE
CALIPER SCALE
DEPTH SCALE
RESISTIVITY SCALE
SPONTANEOUS POTENTIAL SCALE
GAMMA RAY SCALE
NEUTRON SCALE
DENSITY SCALE
SONIC SCALE
CALIPER SCALE
DEPTH SCALE


ROKE
532

Re Goodrich 6/6/p 80-58

ROKE OIL ENTERPRISES LTD. CALGARY, ALBERTA

FILE NO.
COMPANY GULF CANADA RESOURCES INC.
WELL GDR - RDH - 80 - 58
LOCATION
FIELD GOODRICH
PROVINCE BRITISH COLUMBIA
LSD / SEC / TWP / RGE / W. M

Permanent Datum GROUND LEVEL Elev.
Log Measured From CASING .3 M Above Perm. Datum
Wm. Depths Measured From
Other Services: GRN, DENS-CAL
K.B. / CSG / G.L.

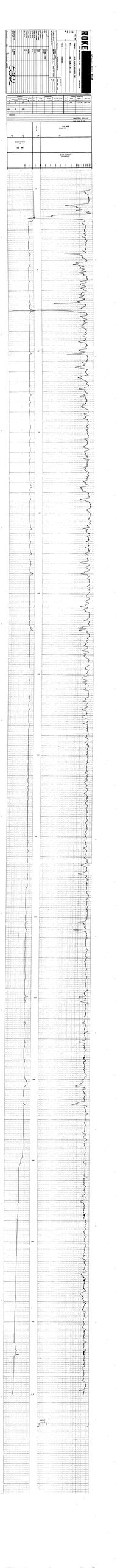
Run No.	ONE
Date	15 DEC. 1980
First Reading	298 M
Last Reading	75
Footage Logged	223
Depth Driller	299
Depth Reached	299.3
Casing Roke	6.3
Casing Driller	
Fluid Type	WATER
Liquid Level	95
Min. Diam.	15
Rm @ °C	15 @ 7°
Operating Time	1 HOUR
Truck No.	132

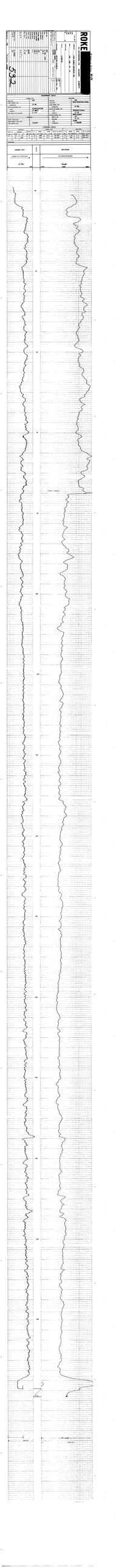
Recorded By STM Witnessed By LORNE

532

Remarks FBL # 7 CURRENT RANGE LOW MUDFISH RESISTANCE 50 OHMS
7 ELECTRODE SONDE 20 CM BEAM WIDTH 100 CM ARRAY
PRIMARY 50 OHM/DIV SECONDARY 200 OHM/DIV

RESISTIVITY (OHM-METERS)	Depths	RESISTIVITY (OHM-METERS)
SECONDARY SCALE		PRIMARY SCALE
0 — 2000		0 — 500 — 1000
		2600 — 4600 — 6600


ROKE
532


ROKE
532

ROKE

Schlumberger

COMPANY			
WELL			
FIELD			
COUNTY			
STATE			
LOCATION			
SERVICE ORDER			
PERMANENT DATUM		ELEV.	
LOG MEASURED FROM		ABOVE PERM. DATUM	
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 RMF / RMC			
RM @ BHT			
TIME SINCE CIRC.			
MAX. REC. TEMP.			
EQUIP. LOCATION			
RECORDED BY			
WITNESSED BY			

RUN NO. DATA

RUN NO.		
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 SINCE CIRC.		
MAX. REC. TEMP.		
EQUIP. LOCATION		
RECORDED BY		
WITNESSED BY		

CASING DATA

CASING						LINER				TUBING			
SIZE	WEIGHT	GRADE	TYPE JOINT	FROM	TO	SIZE	WEIGHT	GRADE	TYPE JOINT	FROM	TO	SIZE	WEIGHT	GRADE	TYPE JOINT

REMARKS: SERVICE ORDER DATA

GAMMA RAY | CCL

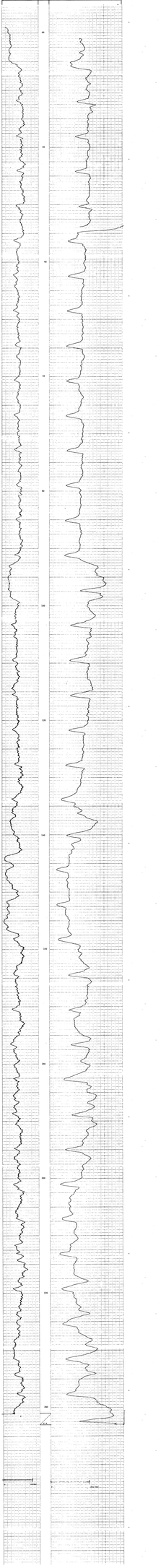
GAMMA RAY SCALE

0 | 100

NEUTRON

NEUTRON MEASURED

1000 | 0



ROKE

Schlumberger

COMPANY: ROKE OIL COMPANY

WELL: 532

FIELD: WILDCAT

COUNTY: SAN JUAN

STATE: NEW MEXICO

Other Services: DIL, CDL, CNL, GR

Permanent Datum: GROUND LEVEL

Elev.: K.B. 5,648 ft. | D.F. | G.L. 5,636 ft.

Log Measured From: K.B. 12 ft. above Perm. Datum

Drilling Measured From: K.B.

Date: 1-15-82

Run No.: ONE

Depth-Driller: 2,100

Depth-Logger: 2,100

Bottom Logged Interval: 2,100

Top Logged Interval: SURFACE

Type Fluid in Hole: GEL-CHEM

Salinity, PPM Cl: 1,000

Density: 9.0

Viscosity: 40

Fluid Loss: 8.0

Source of Sample: FLOWLINE

Rm @ Meas. Temp.: 1.00 @ 70°F

Rmf @ Meas. Temp.: .80 @ 70°F

Rmc @ Meas. Temp.: 1.20 @ 70°F

Source of Rmf & Rmc: MEASURED

Rm @ BHT: .50 @ 150°F

Time Since Circ.: 6 HRS

Max. Rec. Temp. Deg. F: 150°F

Equip. No. & Location: 1-A

Recorded By: R. ANDERSON

Witnessed By: MR. ROKE

EQUIPMENT DATA

Density Tool		Neutron Tool	
Run No.	ONE	Run No.	ONE
Serial No.		Serial No.	
Calibration	11-3M	Calibration	11-3M
Type		Type	
Calibration		Calibration	
Matrix	LIMESTONE	Matrix	LIMESTONE
Logging Tool Number	1-A	Logging Tool Number	1-A
Induction Tool		Neutron Model No.	
Run No.	ONE	Serial No.	
Serial No.		Calibration	
Model No.		Matrix	
Calibration		Logging Tool Number	

LOGGING DATA

Induction						Density						Neutron					
Run No.	Depth Driller	Depth Logger	Bottom Logged Interval	Top Logged Interval	Casing Driller	Run No.	Depth Driller	Depth Logger	Bottom Logged Interval	Top Logged Interval	Casing Driller	Run No.	Depth Driller	Depth Logger	Bottom Logged Interval	Top Logged Interval	Casing Driller
ONE	2,100	2,100	2,100	SURFACE	8 5/8 @ 100							ONE	2,100	2,100	2,100	SURFACE	8 5/8 @ 100

Remarks: RUN WITH CENTRALIZERS

Scale: 1" = 100'

GAMMA RAY: 0 — 100

NEUTRON: 45% — 0%

GAMMA RAY NEUTRON

GAMMA RAY SCALE: 0 — 100

NEUTRON SCALE: 45% — 0%

1500

1600

1700

1800

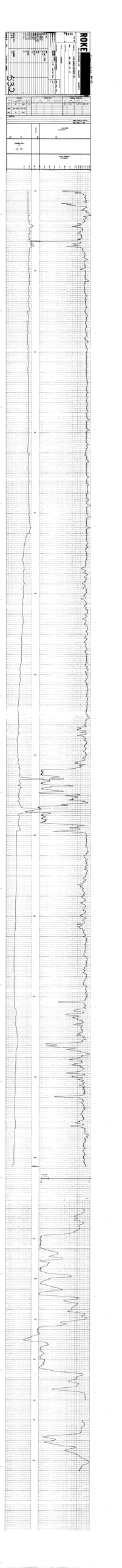
1900

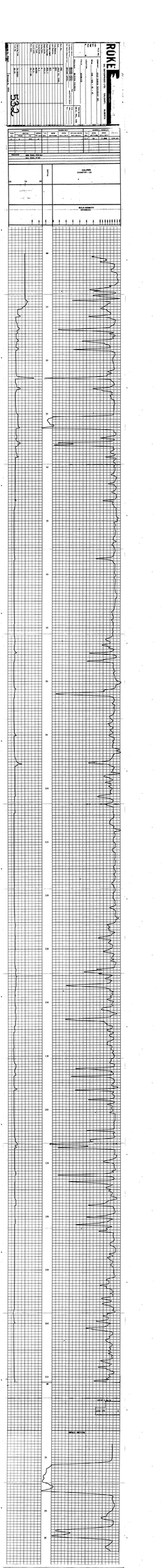
2000

2100

1 Inch = 100 Feet

1 Inch = 100 Feet




ROKE
5332
CALIPER
DIAMETER = IN
ROCK DENSITY
GRAMS/CC
GAMMA RAY
API UNITS

ROKE

532

Remarks FSU # 532 CURRENT RANGE 222 MUDFISH RESISTANCE 22 OHMS
ELECTRODE SONDE 16" 64" NORMAL MUDFISH 1.06 OHMS
PRIMARY 222 OHMS/DIV SECONDARY 1000 OHMS/DIV

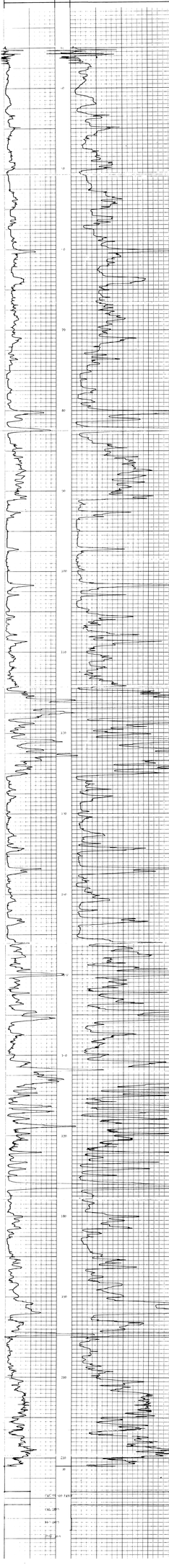
RESISTIVITY (OHM-METRES)

SECONDARY SCALE
0 10000

Inches

RESISTIVITY (OHM-METRES)

PRIMARY SCALE
0 1500 3000
176 726 926



PR Goodrich 81(3)A
81-01

ROKE OIL ENTERPRISES LTD. CALGARY, ALBERTA

FILE NO.	
COMPANY	GULF CANADA RESOURCES INC.
WELL	GDR - RBH - 81 - 01
LOCATION	
FIELD	GOODRICH
PROVINCE	BRITISH COLUMBIA
LSD / SEC / TWP / RGE	W M
Permanent Datum	GROUND LEVEL
Log Measured from	GROUND LEVEL
Well Depth Measured from	GROUND LEVEL
Elev. / Above Perm. Datum	
Other Services	FDR, DEN-CAL,
K.B. / CSG / G.L.	
Run No.	ONE
Date	JULY 10, 1981
First Reading	212 M
Last Reading	0
Footage Logged	212
Depth Reached	213.3
Depth Driller	213.3
Casing Roke	9
Casing Driller	9.1
Fluid Type	WATER
Liquid Level	32.5
Min. Diam.	12.7 CM
Rm @	
Operating Time	1½ HOURS
Truck No.	FU 01
Recorded By	PURANZ
Witnessed By	SEVE

532

EQUIPMENT DATA

GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.	125	LOG TYPE	NEUTRON/NEUTRON
DIAMETER	3.2 CM	TOOL MODEL NO.	
DETECTOR MODEL NO.		DIAMETER	3.2 CM
TYPE	SCINTILLATION	DETECTOR MODEL NO.	
LENGTH	10 CM	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	2 M	LENGTH	15 CM
GENERAL		SOURCE MODEL NO.	MRC-N-SS-W
HOIST TRUCK NO.		SERIAL NO.	126
INSTRUMENT TRUCK NO.		SPACING	38 CM
TOOL SERIAL NO.	125A004	TYPE	AmBe
		STRENGTH	3 CURIES

LOGGING DATA

RUN NO.	DEPTHS FROM	DEPTHS TO	SPEED M/MIN	GAMMA RAY T.C. SEC.	SENS SETTINGS	ZERO DIV. L OR R	API G. R. UNITS PER LOG DIV.	NEUTRON T.C. SEC.	SENS SETTINGS	ZERO DIV. L OR R	API N. UNITS PER LOG DIV.
1	0	32.5	4	2	500	0	20	2	10K	10L	300
	32.5	212	4	2	500	0	20	2	5K	0L	150

REMARKS

GAMMA RAY	DEPTHS	NEUTRON
GAMMA RAY INCREASES → API 20		NEUTRON INCREASES → API 300
0 — 200		3000 — 6000 — 9000

ROKE

COMPANY TEXAS COMPANY (THE)

WELL ROKE UNIT NO. 1-A

FIELD WILDCAT

COUNTY LOVING STATE TEXAS

LOCATION 1980' FNL & 1980' FEL

SURVEY

SEC. 1 BLK. 34 T. 4-S

ELEVATION: DERRICK FLOOR 3,000' GROUND 2,990'

PERMANENT DATUM: GROUND ELEV.

LOG MEASURED FROM: KB 10' ABOVE PERM. DATUM

DRILLING MEASURED FROM: KB

DATE 1-7-61

RUN NO. ONE

TYPE LOG GAMMA RAY NEUTRON

DEPTH-DRILLER 10,000'

DEPTH-LOGGER 9,999'

BTM. LOG INTERVAL 9,999'

TOP LOG INTERVAL 3,000'

CASING-DRILLER 13 3/8" @ 1,000'

CASING-LOGGER 1,000'

BIT SIZE 12 1/4"

TYPE FLUID IN HOLE SALT GEL

DENS. VISC. 10.0 38

PH FLUID LOSS 9.0 8.4 cc

SOURCE OF SAMPLE CIRCULATION

RM @ MEAS. TEMP. .75 @ 80°F

RMF @ MEAS. TEMP. .60 @ 80°F

RMC @ MEAS. TEMP. .90 @ 80°F

SOURCE OF RMF & RMC MEASURED

RM @ BHT .40 @ 180°F

TIME SINCE CIRC. 12 HRS.

MAX. REC. TEMP. 180°F

EQUIPMENT DATA

GAMMA RAY		NEUTRON
RUN NO.	ONE	RUN NO.
SERIAL NO.	133	TYPE CSG.
DIAMETER	3.5 IN	TOOL MODEL NO.
TOOL MODEL NO.		SERIAL NO.
SERIAL NO.	49-GR-GAMMA-RAY	DIAMETER MODEL NO.
LENGTH	5.5 IN	TYPE
DISTANCE TO SOURCE	7 ft	SERIAL NO.
		DISTANCE MODEL NO.
SOURCE		SERIAL NO.
HIGH VOLT. MODEL NO.		TYPE
DETECTOR MODEL NO.		STRENGTH
TOOL SERIAL NO.	133-GRN	

NEUTRON-NEUTRON

5.5 IN

PENDRY-TEXAS

49-GR-GAMMA-RAY

5.5 IN

10

7 ft

7 CURIUM

LOGGING DATA

RUN NO.	DATE	TYPE LOG	TOP LOG INTERVAL	BTM. 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. NO. & LOCATION	RECORDED BY	WITNESSED BY
1	1-7-61	GAMMA RAY NEUTRON	3,000'	9,999'	13 3/8" @ 1,000'	1,000'	12 1/4"	SALT GEL	10.0	38	9.0	8.4 cc	CIRCULATION	.75 @ 80°F	.60 @ 80°F	.90 @ 80°F		.40 @ 180°F	12 HRS.	180°F			

REMARKS:

GAMMA RAY

0 API 100

NEUTRON

NEUTRON-NEUTRON

2000 CPS 1000

NEUTRON-NEUTRON

1000 CPS 2000

10,000

9,900

9,800

9,700

9,600

9,500

9,400

9,300

9,200

9,100

9,000

8,900

8,800

8,700

8,600

8,500

8,400

8,300

8,200

8,100

8,000

7,900

7,800

7,700

7,600

7,500

7,400

7,300

7,200

7,100

7,000

6,900

6,800

6,700

6,600

6,500

6,400

6,300

6,200

6,100

6,000

5,900

5,800

5,700

5,600

5,500

5,400

5,300

5,200

5,100

5,000

4,900

4,800

4,700

4,600

4,500

4,400

4,300

4,200

4,100

4,000

3,900

3,800

3,700

3,600

3,500

3,400

3,300

3,200

3,100

3,000

2,900

2,800

2,700

2,600

2,500

2,400

2,300

2,200

2,100

2,000

1,900

1,800

1,700

1,600

1,500

1,400

1,300

1,200

1,100

1,000

900

800

700

600

500

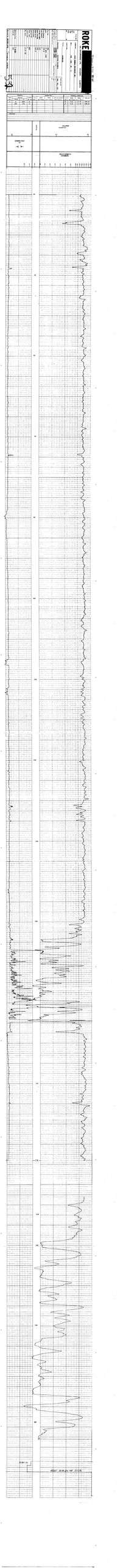
400

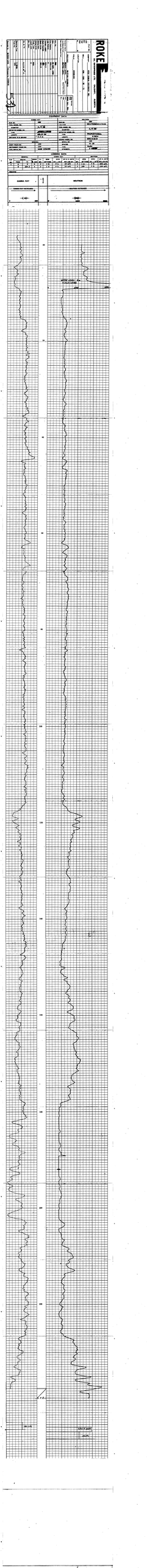
300

200

100

0


ROKE
[redacted]
COUNTY
FIELD
LOCATION
PERMANENT DATUM
ELEV.
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 RMF
SOURCE RMC
RM @ BHT
TIME SINCE CIRC.
MAX. REC. TEMP.
EQUIP. LOCATION
RECORDED BY
WITNESSED BY
RUN
BIT
FROM
TO
SIZE
WEIGHT
MAXIMUM RECORDED TEMPERATURES
CASING RECORD
SIZE
WGT.
GRADE
FROM
TO
REMARKS
COLLAR LOCATOR
CASING SHOE
GAMMA RAY
API
SPONTANEOUS POTENTIAL
MILLIVOLTS
CASING SHOE
RUN NO. ONE AT TOP
RUN NO. TWO AT TOP
RUN NO. THREE AT TOP


ROKE
53

ROKE

OIL ENTERPRISES LTD. CALGARY, ALBERTA

FILE NO.

COMPANY GREAT PLAINS RESOURCES INC.

WELL COR - ROK - PRI - 51

LOCATION

FIELD GOOSE RIVER

PROVINCE BRITISH COLUMBIA

Elevations: Perm. Datum, Log Measured From, Drill 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 @ °C, Rmf @ °C, Rmc @ °C, Source Rmf, Rmc, Rm @ BHT, Time Since Circ., Max. Rec. Temp., Equip. No. & Location, Recorded By, Witnessed By

Date 26 MAY, 1990; Run No. ONE; Depth-Driller 7134; Depth-Logger 7134; Btm. Log Interval 7134; Top Log Interval 3300; Casing-Driller 13 3/8 @ 3300; Casing-Logger 3300; Bit Size 12 1/4; Type Fluid in Hole GEL CHEM; Dens. Visc. 10.0 LB/GAL 45 SEC; pH 10.5; Fluid Loss 4.8 CC; Source of Sample FLOW LINE; Rm @ °C 6.2 @ 24°; Rmf @ °C; Rmc @ °C; Source Rmf, Rmc; Rm @ BHT 3.4 @ 124°; Time Since Circ. 12 HOURS; Max. Rec. Temp. 124°; Equip. No. & Location 3304; Recorded By BEVERLY BOYCE; Witnessed By RICHARD

DUAL INDUCTION LATEROLOG - GAMMA RAY - SPONTANEOUS POTENTIAL

Run No. ONE; Depth-Driller 7134; Depth-Logger 7134; Btm. Log Interval 7134; Top Log Interval 3300; Casing-Driller 13 3/8 @ 3300; Casing-Logger 3300; Bit Size 12 1/4; Type Fluid in Hole GEL CHEM; Dens. Visc. 10.0 LB/GAL 45 SEC; pH 10.5; Fluid Loss 4.8 CC; Source of Sample FLOW LINE; Rm @ °C 6.2 @ 24°; Rmf @ °C; Rmc @ °C; Source Rmf, Rmc; Rm @ BHT 3.4 @ 124°; Time Since Circ. 12 HOURS; Max. Rec. Temp. 124°; Equip. No. & Location 3304; Recorded By BEVERLY BOYCE; Witnessed By RICHARD

330

PR Geophysical Ltd. 80-51

Remarks: FBL # 5 CURRENT RANGE 10M MUDFISH RESISTANCE 500 OHMS

7 ELECTRODE SONDE 5 CM BEAM WIDTH 60 CM ARRAY

PRIMARY 500 OHM/DIV SECONDARY 1.0 OHM/DIV

RESISTIVITY (OHM-METERS)

SECONDARY SCALE 0 — 20000

Depths

RESISTIVITY (OHM-METERS)

PRIMARY SCALE 0 — 5000 — 10000

26000 — 46000 — 66000

176

180

185

190

195

200

F.R.

SCALE LATCH 2K RGE 20K CAL

500 RGE 5K CAL

ZERO

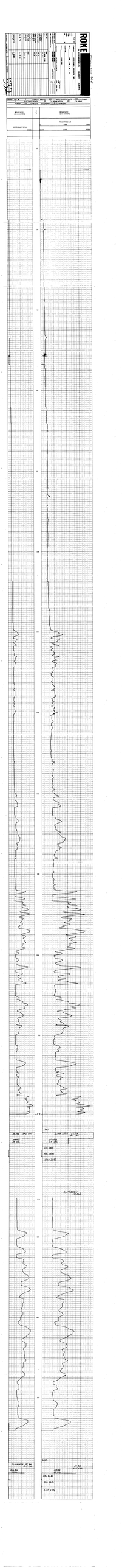
SCALE LATCH 2K RGE 20K CAL

400 RGE 4000 CAL

CAL ZERO

REC ZERO

STOP ZERO


ROKE
5329

539

ROKE OIL ENTERPRISES LTD. CALGARY, ALBERTA

PR Goodrich 81(8)D 80-52

FILE NO.	
COMPANY	GULF CANADA RESOURCES INC.
WELL	GEN - RIRN - 80 - 52
LOCATION	
FIELD	GOODRICH
PROVINCE	BRITISH COLUMBIA
LSD / SEC / TWP / RGE / W___M	
Permanent Datum	GROUND LEVEL
Log Measured from	GROUND LEVEL
Well Depths Measured from	
Elev.	
Above Perm. Datum	
Other Services:	DIR. PRL. DENS-CAL.
K.B. / D.F. / G.L.	

Run No.	ONE
Date	25 NOV. 1980
First Reading	245.5 M
Last Reading	0
Footage Logged	245.5
Depth Reached	245.8
Depth Driller	245.6
Casing Driller	22.5
Casing Size	22.5
Fluid Type	MUD
Fluid Level	7
Min. Diam.	12.7 CM
Max. Diam.	
Run @ °F	
Operating Time	1.5 HOURS
Truck No.	130
Recorded By	WAYDE LACK
Witnessed By	ZSCHACH

EQUIPMENT DATA

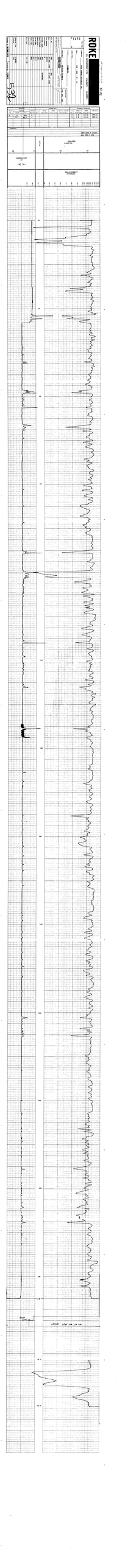
GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.	125A	LOG TYPE	NEUTRON/NEUTRON
DIAMETER	3.75 CM	TOOL MODEL NO.	
DETECTOR MODEL NO.		DIAMETER	3.75 CM
TYPE	SCINTILLATION	DETECTOR MODEL NO.	
LENGTH	10.16 CM	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	2.8 M	LENGTH	15 CM
GENERAL		SOURCE MODEL NO.	MRC-N-SS-W
HOIST TRUCK NO.	130	SERIAL NO.	181
INSTRUMENT TRUCK NO.	130	SPACING	43 CM
TOOL SERIAL NO.	RGRN 125A008	TYPE	AmBe
		STRENGTH	3 CURIES

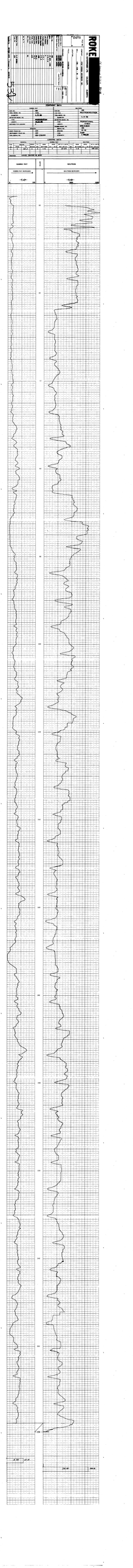
LOGGING DATA

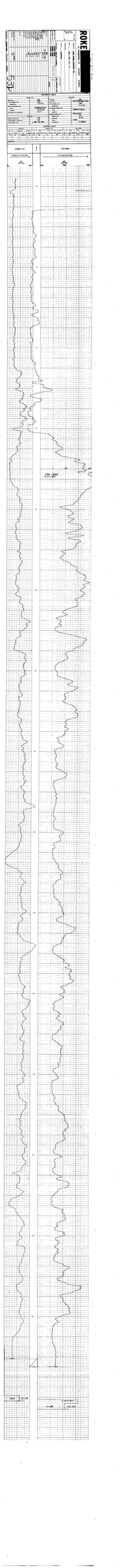
RUN NO.	DEPTHS FROM	DEPTHS TO	SPEED M/MIN	GR T.C. SEC.	GR SENS SETTINGS	GR ZERO DIV. L OR R	GR API G. R. UNITS PER LOG DIV.	N T.C. SEC.	N SENS SETTINGS	N ZERO DIV. L OR R	N API N. UNITS PER LOG DIV.
1	0	245.5	4	3	1 K	0	18 API	3	1 K	0	150

REMARKS

GAMMA RAY	DEPTHS	NEUTRON
GAMMA RAY INCREASES →		NEUTRON INCREASES →
0 ⟷18⟷ 150		1500 ⟷150⟷ 3000 4500


ROKE
ROKE OIL COMPANY
ROKE OIL #1
SEC. 28, T. 9S., R. 28W.
GRADE BED
ELEVATION
GAMMA RAY
API
BULK DENSITY
GRAMS/CC
ASSAY ZONE FOR 25 GPT


ROKE
GAMMA RAY
NEUTRON



ROKE

CONTINENTAL OIL COMPANY — HOUSTON, TEXAS

WELL: 1 — FIELD: WILDCAT — COUNTY: MONTGOMERY — STATE: TEXAS

LOCATION: 1980' FSL & 1980' FEL OF SEC. 36, T. 7S., R. 17E.

OTHER SERVICES: GR-N

PERMANENT DATUM: GROUND LEVEL — ELEV. 0

LOG MEASURED FROM: KELLY BUSHING — 10 FT. ABOVE PERM. DATUM

DRILLING MEASURED FROM: KELLY BUSHING

API SERIAL NO.		
SEC.	TWP.	RGE.

Permanent Datum	Ground Level	Elev. 0
Log Measured From	Kelly Bushing	10 Ft. Above Perm. Datum
Drilling Measured From	Kelly Bushing	

Run No.	ONE
Depth-Driller	5,110
Depth-Logger	5,110
Bottom Logged Interval	5,110
Top Logged Interval	SURFACE
Type Fluid in Hole	SALT GEL MUD
Salinity, P.P.M. Cl	9,000
Density, Lb/Gal	10.0
Level	FULL
Max. Rec. Temp. Deg. F.	140°
Operating Rig Time	12 HRS
Recorded By	R. HOLLOWAY
Witnessed By	MR. BILL HOLT

Run No.	ONE
Depth-Driller	5,110
Depth-Logger	5,110
Bottom Logged Interval	5,110
Top Logged Interval	SURFACE
Type Fluid in Hole	SALT GEL MUD
Salinity, P.P.M. Cl	9,000
Density, Lb/Gal	10.0
Level	FULL
Max. Rec. Temp. Deg. F.	140°
Operating Rig Time	12 HRS
Recorded By	R. HOLLOWAY
Witnessed By	MR. BILL HOLT

EQUIPMENT DATA

GAMMA RAY	NEUTRON
Run No. ONE	Run No. ONE
Log Type Log GR-N	Log Type Log NEUTRON-GAMMA RAY
Serial No. 5-B-36	Serial No. 5-B-36
Detector Model No. SCINTILLATION	Source Model No. 5 CURIE Ra-Be
Log 100	Log PROPORTIONAL
Sensitivity, M.V. Per Unit 5 A A	Sensitivity MRC-N-B-M
Source Strength	Spacing No. 1 FT.
Detector No. 1	Detector No. Ra-Be
Spacing No. 1 FT.	Sensitivity 5 CPS/API
Time Constant, Sec. RMC SET ASIDE	

LOGGING DATA

GAMMA RAY								NEUTRON							
Run No.	Date	Depth-Driller	Depth-Logger	Bottom Logged Interval	Top Logged Interval	Casing-Driller	Casing-Logger	Run No.	Date	Depth-Driller	Depth-Logger	Bottom Logged Interval	Top Logged Interval	Casing-Driller	Casing-Logger
ONE	8-31-61	5,110	5,110	5,110	SURFACE	8 5/8 @ 1,000	8 5/8 @ 1,000	ONE	8-31-61	5,110	5,110	5,110	SURFACE	8 5/8 @ 1,000	8 5/8 @ 1,000

JOURNAL: LOGGER CHECKED IN WELL NOW

GAMMA RAY		NEUTRON
GAMMA RAY INCREASES →		NEUTRON INCREASES →
0 API 150		45 CPS 5

TIME 1 SHOT

ROKE OIL ENTERPRISES LTD. CALGARY, ALBERTA

PR-Goodrich 81(3)A

FILE NO

LSD

SEC

TWP

RGE

W M

COMPANY GULF CANADA RESOURCES INC.

WELL GDR - RDH - 80 - 54

LOCATION

FIELD GOODRICH

PROVINCE BRITISH COLUMBIA

Other Services GRN, FBL, 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

Run No	ONE
Date	1 DEC. 1980
First Reading	109 M
Last Reading	0
Footage Logged	109
Depth Reached	109.5
Depth Driller	237.8
Casing Roke	4.5
Casing Driller	5.1
Fluid Type	AIR/WATER
Liquid Level	14.2
Min Diam	
Operating Time	1 HOUR
Truck No	130

Recorded By MADDEN-LUCK Witnessed By ZSCHACH

531

GENERAL				GAMMA RAY				SIDEWALL DENSILOG			
RUN NO	DEPTHS FROM	DEPTHS TO	SPEED M MIN	T.C. SEC	SENS SETTINGS	ZERO DIV.L OR R	API G.R. UNITS PER LOG DIV.	T.C. SEC	SENS SETTINGS	ZERO DIV.L OR R	CPS/ DIV
1	0	109	6					.2	5 K	1.4 R	199.61

REMARKS NO CALIPER WAS RUN DUE TO THE FACT THE DRILLERS HAD TO TRIP BACK IN IMMEDIATELY.

DENS TOOL # 241AS

DEPTHS

CALIPER
DIAMETER –

BULK DENSITY
(GRAMS/CC)

ROKE

FILE NO.	
FIELD	
WELL	
LOCATION	SEC. 30 TWP. 34 RGE. 5 W4M
COUNTY	PROVINCE ALBERTA

Company: ROKE OIL LTD.
Well: 100/16-30-034-05W4/00
Field: WILDWOOD
Location: SEC. 30 TWP. 34 RGE. 5 W4M
County: Province: ALBERTA

Permanent Datum: GROUND LEVEL
Elev.: K.B. 1000 / D.F. / G.L. 990
Log Measured From: K.B. 10 Ft. Above Perm. Datum
Drilling Measured From: K.B.

Run No.	Date	Depth-Driller	Depth-Logger	Bottom Logged Interval	Top Logged Interval	Type Fluid in Hole	Salinity, PPM Cl	Density	Level	Max. Rec. Temp. Deg. F.	Equip. No. & Location	Recorded By	Witnessed By
ONE	5 DEC 85	1185	1185	1180	SURFACE	WATER BASED MUD	1000	9.2	FULL	90	10 & 5 W4M	D. MCKENZIE	
TWO	6 DEC 85	1185	1185	1180	SURFACE	WATER BASED MUD	1000	9.2	FULL	90	10 & 5 W4M	D. MCKENZIE	

Run No. ONE
Type Log: GAMMA RAY
Scale Up Feet: 100
Scale Down Feet: 0
Time Since Circ.: 3 HRS
Max. Hole Temp. Recorded: 90 DEG F
Equipment No. & Location: 10 & 5 W4M
Recorded By: D. MCKENZIE
Witnessed By:

Run No. TWO
Type Log: NEUTRON
Scale Up Feet: 4180
Scale Down Feet: 1180
Time Since Circ.: 3 HRS
Max. Hole Temp. Recorded: 90 DEG F
Equipment No. & Location: 10 & 5 W4M
Recorded By: D. MCKENZIE
Witnessed By:

Permanent Datum: GROUND LEVEL
Elev.: K.B. 1000 / D.F. / G.L. 990
Log Measured From: K.B. 10 Ft. Above Perm. Datum
Drilling Measured From: K.B.

531

EQUIPMENT DATA

GAMMA RAY		NEUTRON	
RUN NO.	TWO	RUN NO.	TWO
TOOL MODEL NO.	133A	GAMMA RAY TOOL MODEL NO.	NEUTRON/NEUTRON 133A
DIAMETER	3.75 CM	DIAMETER	3.75 CM
DETECTOR MODEL NO.		DETECTOR MODEL NO.	
TYPE	SCINTILLATION	TYPE	PROPORTIONAL
LENGTH	10.16 CM	LENGTH	8 INCH
DISTANCE TO N. SOURCE	2.0 M	SOURCE MODEL NO.	MRC-N-88-W
GENERAL		SERIAL NO.	181
ASSET TRUCK NO.	130	STRENGTH	43 CM
INSTRUMENT TRUCK NO.	130	HOUSING	Acrylic
TOOL SERIAL NO.	NONE 133A008	STRENGTH	3 CUB.IRO

LOGGING DATA

RUN	GENERAL				GAMMA RAY				NEUTRON			
	DEPTHS		T.C.	SENS	ZERO	API & R. UNITS	T.C.	SENS	ZERO	API & UNITS
NO.	FROM	TO	SPEED M/MIN	SETTING	SPL. DIS.	PER LOG DIV.	SEC.	SETTING	SPL. DIS.	PER LOG DIV.
TWO	0	15	4	3 1 K	0 L	10 API	3	1 K	R L	160
	15	1185.5	4	3 1 K	0 L	10 API	3	1 K	2 R	160

REMARKS

GAMMA RAY | SCALE | NEUTRON

GAMMA RAY INCREASES → | NEUTRON INCREASES →

0 | 100 | 1180 | 7680 | 4180

WATER LEVEL (2 CAVING AT 4 SHOT)

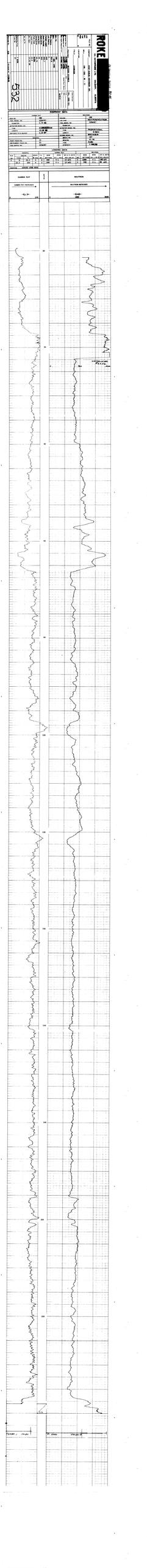
1180 | 7680

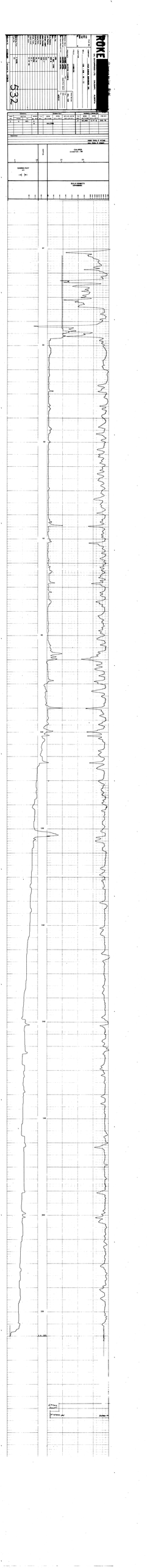
00
20
40
60
80
100

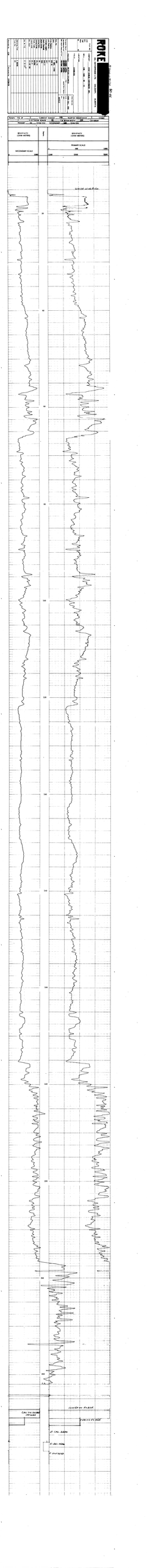
TD

1180 | 100 CPS

1160 KH | 2 CAVE LIGHT | HEAVY


ROKE
392
TEMPORARY DATA
CASING DATA
CASING FLUID
LOGGING DATA
CASING FLUID
GAMMA RAY
NEUTRON
GAMMA RAY-NEUTRON
GAMMA RAY
NEUTRON METHODS
CASING COLLAR




ROKE
Roke Oil (UK) Ltd.
Roke Manor, Romsey, Hampshire, SO51 0ZN, England
Tel: (0794) 518381 Telex: 47613 ROKE G
Fax: (0794) 519200
Well Name
Location
Co-ordinates
Elevation
Date
Run No.
Depth Driller
Depth Logger
Bottom Logged Interval
Top Logged Interval
Casing Driller
Casing Logger
Bit Size
Type Fluid in Hole
Density
Viscosity
pH
Fluid Loss
Source of Sample
Rm @ Measured Temp
Rmf @ Measured Temp
Rmc @ Measured Temp
Source of Rmf & Rmc
Rm @ BHT
Time Since Circ.
Max. Rec. Temp.
Equip. No. & Location
Recorded By
Witnessed By
RUN NUMBER
TIME
PRIMARY DEPTH CONTROL
LOG MEASURED FROM
DRILLING MEASURED FROM
PERMANENT DATUM
ELEVATION
ABOVE PERMANENT DATUM
GAMMA RAY
CASING
LOGGER
BOTTOM LOGGED INTERVAL
TOP LOGGED INTERVAL
TYPE FLUID IN HOLE
SALINITY
DENSITY
LEVEL
MAX. REC. TEMP.
EST. CEMENT TOP
EQUIPMENT NUMBER
LOCATION
RECORDED BY
WITNESSED BY
RESISTIVITY
CONDUCTIVITY
GAMMA RAY
NEUTRON
DENSITY
SONIC
CALIPER
OTHER SERVICES
REMARKS
RUN
BIT
FROM
TO
SIZE
TYPE
WEIGHT
VISCOSITY
PH
FLUID LOSS
SOURCE
RM @ MEAS. TEMP.
RMF @ MEAS. TEMP.
RMC @ MEAS. TEMP.
SOURCE OF RMF & RMC
RM @ BHT
TIME SINCE CIRC.
MAX. REC. TEMP.
EQUIP. NO. & LOCATION
RECORDED BY
WITNESSED BY
CASING DRILLER
CASING LOGGER
BOTTOM LOGGED INTERVAL
TOP LOGGED INTERVAL
TYPE FLUID IN HOLE
DENSITY
VISCOSITY
PH
FLUID LOSS
RM @ MEAS. TEMP.
RMF @ MEAS. TEMP.
RMC @ MEAS. TEMP.
RM @ BHT
MAX. REC. TEMP.
EQUIP. NO. & LOCATION
RECORDED BY
WITNESSED BY
Scale
CREST RANGE
RESISTIVITY
RESISTIVITY SCALE
CONDUCTIVITY
CONDUCTIVITY SCALE
GAMMA RAY
GAMMA RAY SCALE
NEUTRON
NEUTRON SCALE
DENSITY
DENSITY SCALE
SONIC
SONIC SCALE
CALIPER
CALIPER SCALE
OTHER
OTHER SCALE
RESISTIVITY
CONDUCTIVITY
SECONDARY SCALE
PRIMARY SCALE
GAMMA RAY
NEUTRON
DENSITY
SONIC
CALIPER
OTHER
WELLSITE INFORMATION
CASING RECORD
LOGGING DATA
RUN
BIT
FROM
TO
SIZE
TYPE
WEIGHT
VISCOSITY
PH
FLUID LOSS
SOURCE
RM @ MEAS. TEMP.
RMF @ MEAS. TEMP.
RMC @ MEAS. TEMP.
SOURCE OF RMF & RMC
RM @ BHT
TIME SINCE CIRC.
MAX. REC. TEMP.
EQUIP. NO. & LOCATION
RECORDED BY
WITNESSED BY
CASING DRILLER
CASING LOGGER
BOTTOM LOGGED INTERVAL
TOP LOGGED INTERVAL
TYPE FLUID IN HOLE
DENSITY
VISCOSITY
PH
FLUID LOSS
RM @ MEAS. TEMP.
RMF @ MEAS. TEMP.
RMC @ MEAS. TEMP.
RM @ BHT
MAX. REC. TEMP.
EQUIP. NO. & LOCATION
RECORDED BY
WITNESSED BY