P.R. Goodrich 81(3)A

81-01

ROKE

GAMMA RAY NEUTRON LOG

OIL ENTERPRISES LTD. CALGARY, ALBERTA

FILE NO.	
COMPANY	GULF CANADA RESOURCES INC.
WELL	GDR - DDH - 81 - 01
LOCATION	
FIELD	GOODRICH
PROVINCE	BRITISH COLUMBIA
LSD / SEC / TWP / RGE / W M	
Other Services:	DEN-CAL
Permanent Datum	GROUND LEVEL
Elev.	
Log Measured from	RIG FLOOR 0.5 M Above Perm. Datum
Well Depths Measured from	RIG FLOOR
K.B.	
CSG	
G.L.	

Run No.	ONE
Date	JUNE 23, 1981.
First Reading	380 M
Last Reading	0
Footage Logged	380
Depth Reached	381
Depth Driller	385.55
Casing Roke	8.5
Casing Driller	8.5
Fluid Type	WATER/MUD
Liquid Level	
Min. Diam.	HQ 9.6 CM
Rm @	
Operating Time	2 HOURS
Truck No.	133
Recorded By	PURANZ
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
		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	380	4	2	500	0	20	2	5K	0	150

REMARKS LOGGED THROUGH HQ DRILL RODS

GAMMA RAY	DEPTHS	NEUTRON
GAMMA RAY INCREASES → API 20 — 0 … 200		NEUTRON INCREASES → API 150 — 0 … 1500 … 3000

ROKE
CARDIAL SERVICE

ROKE OIL ENTERPRISES LTD. CALGARY, ALBERTA

SIDEWALL DENSILOG
CALIPER

PR-Goodrich 81(3)A 81-02

FILE NO.	
COMPANY	GULF CANADA RESOURCES INC.
WELL	GDR - DDH - 81 - 02
LOCATION	
FIELD	GOODRICH
PROVINCE	BRITISH COLUMBIA
LSD / SEC / TWP / RGE / W___M	
Permanent Datum	GROUND LEVEL Elev.
Log Measured from	RIG FLOOR 0.5 M Above Perm. Datum
Well Depths Measured from	RIG FLOOR
Other Services:	DIR, GR-N, DEN, FBL
K.B.	
CSG	
G.L.	
Run. No.	ONE
Date	JUNE 29, 1981
First Reading	330 M
Last Reading	0
Footage Logged	330
Depth Reached	331
Depth Driller	331.3
Casing Roke	21.3
Casing Driller	21.3
Fluid Type	WATER
Liquid Level	0
Min. Diam.	HQ 9.6 CM
Operating Time	2 HOURS
Truck No.	FU #1
Recorded By	PUBANZ
Witnessed By	ZSCHACH

532

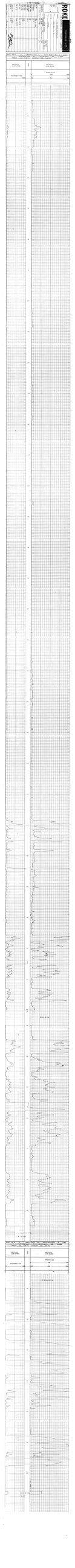
GENERAL				GAMMA RAY				SIDEWALL DENSILOG			
RUN NO.	DEPTHS FROM	DEPTHS TO	SPEED M/MIN	T.C. SEC.	SENS SETTINGS	ZERO DIV.L OR R	API G.R. UNITS PER LOG DIV.	T.C. SEC.	SENS SETTINGS	ZERO DIV.L OR R	CPS/DIV
1	0	330	6					0.5	5K	2.89R	139.45

REMARKS DEN TOOL #247AS
CAL TOOL #785

CALIPER (DIAMETER – CM) 5 10 15 20

DEPTHS

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


PROKEE
Prokee Resources Ltd.
Drilling Log
Hole No. PK-25-01
Sheet 1 of 1
Collar Elevation: 1,247 m
Total Depth: 1,842 m
Azimuth: 045°
Dip: -60°
Core Size: NQ
Logged By: J. Mwangi
Date: 14 Mar 2025
Lithology
Alteration
Mineralization
Structure
Recovery
RQD
Sample No.
Assay (Au g/t)
Assay (Cu %)
Assay (Ag g/t)
Remarks

ROKE OIL ENTERPRISES LTD. CALGARY, ALBERTA

GAMMA RAY NEUTRON LOG

PR-Goodrich 81(3)A 81-02

FILE NO.
LSD
SEC
TWP
RGE
W ___ M

COMPANY: GULF CANADA RESOURCES INC.
WELL: GDR - DDH - 81 - 02
LOCATION:
FIELD: GOODRICH
PROVINCE: BRITISH COLUMBIA

Other Services: DIR, DEN, FBL, DEN-CAL

Permanent Datum: GROUND LEVEL Elev.
Log Measured from: RIG FLOOR 0.5 M Above Perm. Datum
Well Depths Measured from: RIG FLOOR

K.B.
CSG
G.L.

Run No.	ONE
Date	JUNE 28, 1981.
First Reading	324 M
Last Reading	0
Footage Logged	324
Depth Reached	324.7
Depth Driller	331.3
Casing Roke	21.3
Casing Driller	21.3
Fluid Type	WATER/MUD
Liquid Level	0
Min. Diam.	HQ 9.6 CM
Rm @	
Operating Time	2½
Truck No.	FU #1
Recorded By	PUBANZ
Witnessed By	ZSCHACH

532

EQUIPMENT DATA

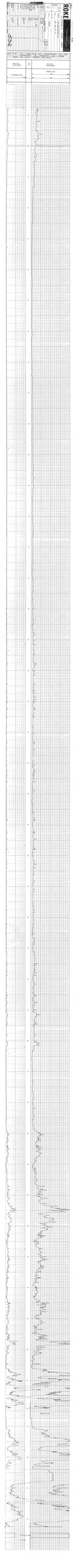
GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.	125	LOG TYPE	NEUTRON/NEUTRON
DIAMETER	3.2 CM	TOOL MODEL NO.	
DETECTOR MODEL NO.		DIAMETER	3.2 CM
TYPE	SCINTILLATION	DETECTOR MODEL NO.	
LENGTH	10 CM	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	2 M	LENGTH	15 CM
GENERAL		SOURCE MODEL NO.	MRC-N-SS-W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

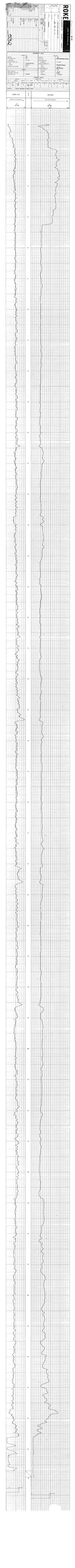
LOGGING DATA

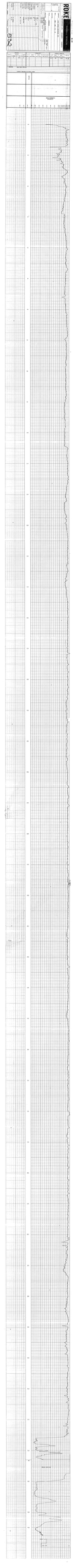
GENERAL				GAMMA RAY				NEUTRON			
RUN NO.	DEPTHS FROM	DEPTHS TO	SPEED M/MIN	T.C. SEC.	SENS SETTINGS	ZERO DIV. L OR R	API G. R. UNITS PER LOG DIV.	T. C. SEC.	SENS SETTINGS	ZERO DIV. L OR R	API N. UNITS PER LOG DIV.
1	0	324	4	2	500	0	17	2	5000	0	150

REMARKS: LOGGED THROUGH HQ DRILL RODS

GAMMA RAY	DEPTHS	NEUTRON
GAMMA RAY INCREASES → API 17; 0 – 170		NEUTRON INCREASES → API 150; 0 – 1500 – 3000







ROKE
532

PR. Goodrich 81(5)A 81-04

ROKE SIDEWALL DENSILOG

OIL ENTERPRISES LTD., CALGARY, ALBERTA

FILE NO.

LSD
SEC
TWP
RGE
W ___ M

COMPANY GULF CANADA RESOURCES INC.
WELL GDR - DDH - 81 - 04
LOCATION
FIELD GOODRICH
PROVINCE BRITISH COLUMBIA

Permanent Datum GROUND LEVEL Elev.
Log Measured from RIG FLOOR 1.1 M Above Perm. Datum
Drill Depths Measured from RIG FLOOR

Other Services: FBL, DIR, GR-N, DEN-CAL
K.B.
CSG
G.L.

Run. No.	ONE
Date	JULY 9, 1981.
First Reading	235 M
Last Reading	0
Footage Logged	235
Depth Reached	236.3
Depth Driller	243.5
Casing Roke	11.7
Casing Driller	11.6
Fluid Type	WATER/MUD
Liquid Level	1
Min. Diam.	HQ 9.6 CM
Operating Time	1¼ HOURS
Truck No.	FU #1

Recorded By PUBANZ Witnessed By SEVE

532

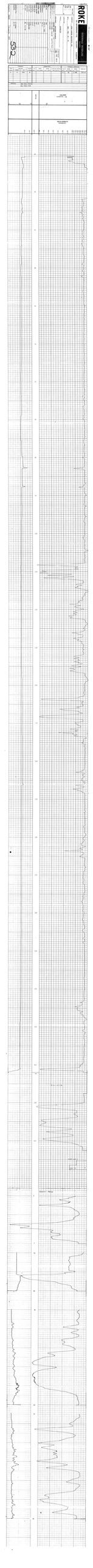
GENERAL				GAMMA RAY				SIDEWALL DENSILOG			
RUN NO.	DEPTHS FROM	DEPTHS TO	SPEED M/MIN	T.C. SEC.	SENS SETTINGS	ZERO DIV.L OR R	API G.R. UNITS PER LOG DIV.	T.C. SEC.	SENS SETTINGS	ZERO DIV.L OR R	CPS/ DIV
1	0	235	6					0.5	5K	2.8R	66.34

REMARKS DEN TOOL #247AS
LOGGED THROUGH HQ DRILL RODS

DEPTHS

CALIPER
DIAMETER –

BULK DENSITY
(GRAMS/CC)



ROKE

GAMMA RAY - NEUTRON LOG

SECTION

TWP.

RGE.

COUNTY

STATE

FIELD

COMPANY

WELL

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 OF RMF

SOURCE OF RMC

RM @ BHT

TIME SINCE CIRC.

MAX. REC. TEMP.

EQUIP. NO. & LOCATION

RECORDED BY

WITNESSED BY

RUN NO.

BOREHOLE RECORD

CASING RECORD

BIT NO.	FROM	TO	SIZE	WGT.	FROM	TO	SIZE	WGT.	FROM	TO

532

EQUIPMENT DATA

GAMMA RAY		NEUTRON
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.	515	TOOL MODEL NO.	NEUTRON/NEUTRON
DETECTOR	2 X 5" TUBE	DETECTOR	2 - 2 1/4"
DETECTOR NUMBER		DETECTOR NUMBER	
TYPE	SCINTILLATION	DETECTOR MODEL NO.	
SPACING	7' 6"	SPACING	PROPORTIONAL
ABSORBER TYPE & WEIGHT	2 gm/cm²	SOURCE	400 mc Ra-Be
SOURCE		SOURCE MODEL NO.	MOD. R-10 M
DIRECT TRACK NO.		SPACING	18"
INDIRECT TRACK NO.		SPACING	24"
TIME CONSTANT	1 SECOND	TYPE	Ra-Be
		SPACING	4 1/2 OD

LOGGING DATA

GAMMA RAY							NEUTRON							
RUN	INTERVAL		SPEED	T.C.	SENS.		RUN	INTERVAL		SPEED	T.C.	SENS.		
	FROM	TO			SETTING	SCALE		FROM	TO			SETTING	SCALE	
1	0	5100	30	1	10	0-100	1	0	5100	30	1	10	0-100	

REMARKS: GAMMA-NEUTRON MD-TB/GL-NONE

GAMMA RAY

GAMMA RAY (MICRORIES)

0 — 100

NEUTRON

NEUTRON (MICRORIES)

0 — 1000

0

50

100

150

200

250

300

350

400

450

500

550

600

650

700

750

800

850

900

950

1000

1050

1100

1150

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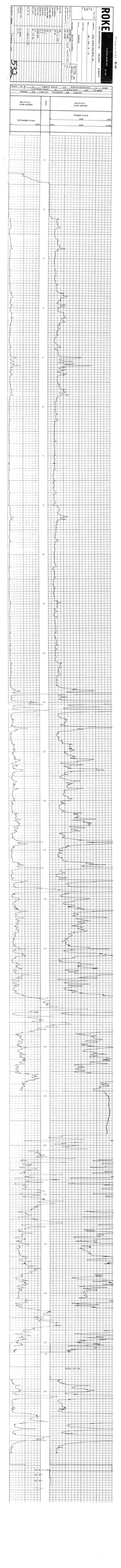
1800

1850

1900

1950


ROKE
RESISTIVITY (OHM-METRES)
PRIMARY SCALE
SECONDARY SCALE
1000
2000
3000
4000
5000
6000
7000
8000
9000
10000
11000
12000
13000
14000
15000
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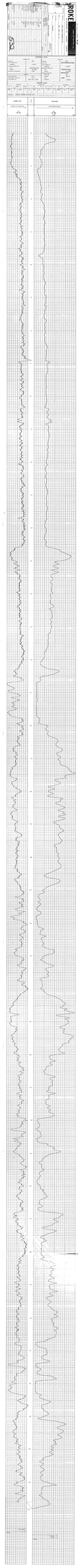
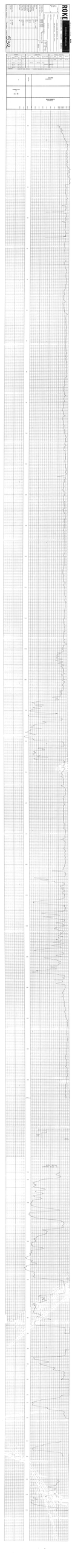




PROKE
Precision Graph Paper
Made in U.S.A.

PR-Goodrich 81(3)A 81-06

ROKE OIL ENTERPRISES LTD. CALGARY, ALBERTA

GAMMA RAY NEUTRON LOG

FILE NO.

LSD
SEC
TWP
RGE
W_____M

COMPANY GULF CANADA RESOURCES INC.

WELL GDR-DDH-81-06

LOCATION

FIELD GOODRICH

PROVINCE BRITISH COLUMBIA

Other Services: DIR DEN(RODS), DEN (OPEN), CAL, FEL

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. 3, 1981
First Reading	317.0
Last Reading	0
Footage Logged	317.5
Depth Reached	317.5
Depth Driller	325
Casing Roke	19.5
Casing Driller	
Fluid Type	WATER/MUD
Liquid Level	FULL
Min. Diam.	HQ
Rm @	
Operating Time	1½ HOURS
Truck No.	FU - 1
Recorded By	FAGERNESS
Witnessed By	ZSCHACH

532

EQUIPMENT DATA

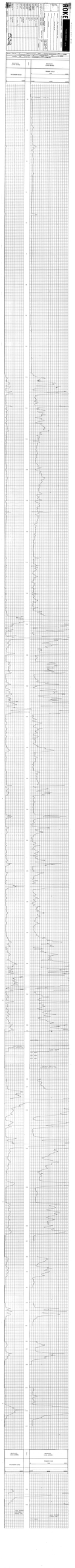
GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON
DIAMETER	3.18 CM	TOOL MODEL NO.	
DETECTOR MODEL NO.		DIAMETER	3.18 CM
TYPE	SCINTILLATION	DETECTOR MODEL NO.	
LENGTH	10.16 CM	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	2.0 M	LENGTH	15.24 CM
GENERAL		SOURCE MODEL NO.	MRC-N-SS-W
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

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	317.0	4	3	500	0	15	3	5000	0	150

REMARKS

GAMMA RAY	DEPTHS	NEUTRON
GAMMA RAY INCREASES → API 15; 0 – 150		NEUTRON INCREASES → API 150; 0 – 1500 – 3000


ROKE
Schlumberger
Dual Induction Laterolog
Borehole Compensated Sonic Log
Gamma Ray
Caliper
Spontaneous Potential
Resistivity
Bulk Density
Neutron Porosity
Lithology
Photoelectric Factor
Delta Rho
Caliper
Gamma Ray
Spontaneous Potential
Resistivity
Interval Transit Time
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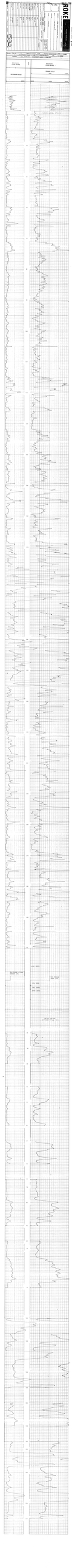
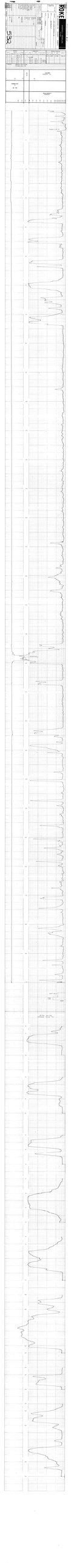
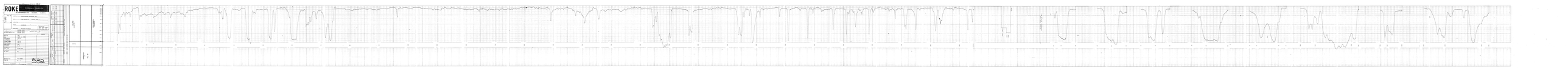
Neutron
Density
Caliper






ROKE
Physiological Monitoring Co., Houston, Texas
Patient
Date
Time
Physician
Technician
Diagnosis
Medication
Remarks
532

1-n DDH 81-07

ROKE

GAMMA RAY NEUTRON LOG

OIL ENTERPRISES LTD. CALGARY, ALBERTA

PR. Goodrich 81(3)A 81-07

FILE NO.	
COMPANY	GULF CANADA RESOURCES INC.
WELL	GDR-DDH-81-07
LOCATION	
FIELD	GOODRICH
PROVINCE	BRITISH COLUMBIA
LSD / SEC / TWP / RGE / W__M	
Permanent Datum	GROUND LEVEL Elev.
Log Measured from	GROUND LEVEL Above Perm. Datum
Well Depths Measured from	GROUND LEVEL
Other Services	DIR DEN(OPEN), DEN (RODS), CAL, FBL
K.B. / CSG / G.L.	METRIC

Run No.	ONE
Date	SEPT. 4, 1981
Last Reading	296.0 M
First Reading	0
Footage Logged	296.0
Depth Reached	296.3
Depth Driller	303
Casing Roke	6.75
Casing Driller	
Fluid Type	WATER/MUD
Liquid Level	
Min. Diam.	HQ
Rm @	
Operating Time	1.2 HOURS
Truck No.	FU - 1
Recorded By	FAGERNESS
Witnessed By	ZSCHACH

532

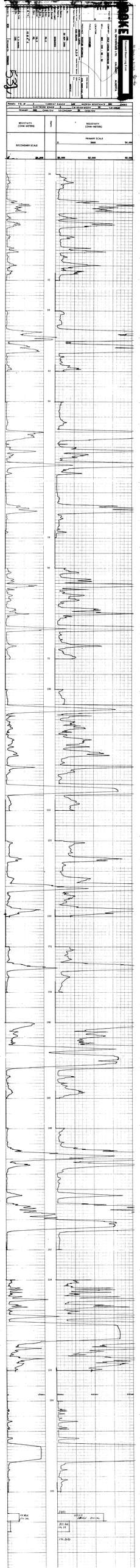
EQUIPMENT DATA

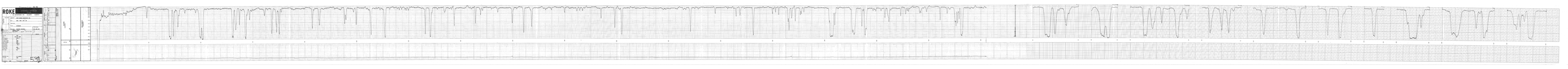
GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.		LOG TYPE	NEUTRON/NEUTRON
DIAMETER	3.18 CM	TOOL MODEL NO.	
DETECTOR MODEL NO.		DIAMETER	3.18 CM
TYPE	SCINTILLATION	DETECTOR MODEL NO.	
LENGTH	10.16 CM	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	2.0 M	LENGTH	15.24 CM
GENERAL		SOURCE MODEL NO.	MRC-N-SS-W
		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	22.0	4	3	500	0	12	3	10000	0	240
1	22.0	296.0	4	3	500	0	12	3	5000	0	120

REMARKS




ROKE
Time
Date
Name
Age
Sex
Ward
Hospital
Clinical Info
Requested by
Comments
Report
Interpretation
Signature
Rhythm
Conduction
Hypertrophy
Ischaemia
Infarct
Other
Technician
Recorded
Analysed
Confirmed
Medication
Rate
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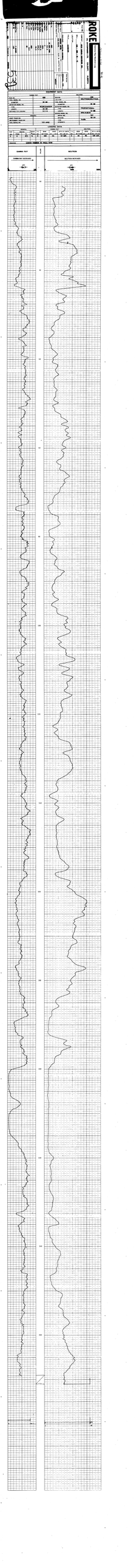
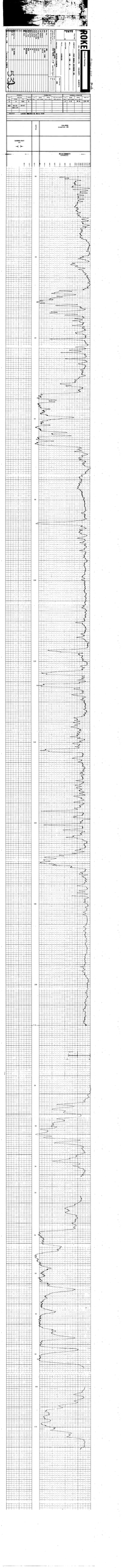
Chest
Pace
Rhythm
Lead II





ROKE

ROKE OIL & GAS LIMITED

SUITE 1750, 707 - 8th AVENUE S.W. CALGARY, ALBERTA T2P 1H5

WELL: 100/16-36-033-10W5/0

FIELD: WILDCAT

COMPANY: ROKE OIL & GAS LIMITED

WELL: 100/16-36-033-10W5/0

FIELD: WILDCAT

LOCATION: 100/16-36-033-10W5/0

PROVINCE: ALBERTA

COUNTRY: CANADA

PERMANENT DATUM: GROUND LEVEL

ELEV.: K.B. 1139.0

LOG MEASURED FROM: K.B. 6.0 M ABOVE PERM. DATUM

DRILLING MEASURED FROM: K.B.

DATE: 1-JUL-2010

RUN NO.: ONE

TYPE LOG: GAMMA RAY NEUTRON

DEPTH-DRILLER: 1135.0

DEPTH-LOGGER: 1134.0

BTM. LOG INTERVAL: 1134.0

TOP LOG INTERVAL: 100.0

CASING-DRILLER: 244.5 MM @ 0.0 M

CASING-LOGGER: 244.5 MM @ 0.0 M

BIT SIZE: 200.0 MM

TYPE FLUID IN HOLE: FRESH WATER

DENSITY: 1.0

VISCOSITY: 0.0

PH: 0.0

FLUID LOSS: 0.0 ML

SOURCE OF SAMPLE: FLOWLINE

RM @ MEAS. TEMP.: 0.0 @ 0.0

RMF @ MEAS. TEMP.: 0.0 @ 0.0

RMC @ MEAS. TEMP.: 0.0 @ 0.0

SOURCE OF RMF: 0.0

SOURCE OF RMC: 0.0

RM @ BHT: 0.0 @ 0.0

TIME CIRC.: 0.0

TIME LOGGER ON BOTTOM: 0.0

MAX. REC. TEMP.: 0.0

EQUIP. LOCATION: 0.0

RECORDED BY: 0.0

WITNESSED BY: 0.0

EQUIPMENT DATA

GAMMA RAY

SUN NO.: ONE

TOOL MODEL NO.: GR-44

SERIAL NO.: 0

DETECTOR MODEL NO.: 0

TYPE: SCINTILLATION

DIA: 38 MM

LENGTH: 0.0 M

SENSITIVITY: 0.0 CPS

SERIAL: 0

ASSOC. TOOLS NO.: 0

TOOL MODEL NO.: 0

TOOL SERIAL NO.: 1234.567

NEUTRON

SUN NO.: ONE

TOOL MODEL NO.: DUAL

SONDE NO.: 0

SONDE TYPE: 0

SONDE MODEL NO.: 0

SERIAL NO.: 0

LENGTH: 0.0 M

SOURCE: AM-241 BE

STRENGTH: 0.0 CURIES

DETECTOR: PROPORTIONAL

SPACING: 0.0 M

SERIAL: 0

ASSOC. TOOLS NO.: 0

TOOL MODEL NO.: 0

TOOL SERIAL NO.: 0

LOGGING DATA

GAMMA RAY

RUN	DATE	SPEED	TYP	BOR	TOP LOG INTVL	BTM LOG INTVL	T C	BOR	BTM LOG INTVL	BTM LOG INTVL
ONE	1-JUL-2010	0.0	N	100	0.0	0.0 API	N	0.0	0.0 API	0.0 API

NEUTRON

RUN	DATE	SPEED	TYP	BOR	TOP LOG INTVL	BTM LOG INTVL	T C	BOR	BTM LOG INTVL	BTM LOG INTVL
ONE	1-JUL-2010	0.0	N	100	0.0	0.0 API	N	0.0	0.0 API	0.0 API

REMARKS: LOGGED THROUGH 4½ INCH TUBING

GAMMA RAY

0 GAMMA RAY INCREASES 150

NEUTRON

1134 NEUTRON INCREASES 1134

0

20

40

60

80

100

120

140

160

180

200

220

240

260

280

300

320

340

360

380

400

420

440

460

480

500

520

540

560

580

600

620

640

660

680

700

720

740

760

780

800

820

840

860

880

900

920

940

960

980

1000

1020

1040

1060

1080

1100

1120

1134

ROKE OIL ENTERPRISES LTD. CALGARY, ALBERTA

Focused Beam Log 5 cm

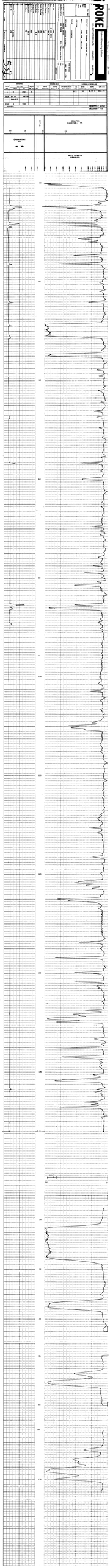
Gk Goodrich 60/13A 80-43

FILE NO.	
COMPANY	GULF CANADA RESOURCES INC.
WELL	GDR - DDH - 80 - 43
LSD / SEC / TWP / RGE / W__M	LOCATION
FIELD	GOODRICH
PROVINCE	BRITISH COLUMBIA
Other Services:	GR-N, DENS-CAL, DIP
Permanent Datum	GROUND LEVEL Elev.
Log Measured from	RIG FLOOR 0.5 M Above Perm. Datum
Well Depths Measured from	METRIC
K.B. / CSG / G.L.	
Run. No.	ONE
Date	4 DEC 1980
First Reading	
Last Reading	
Footage Logged	EXPANDED
Depth Reached	
Depth Driller	320
Casing Roke	6
Casing Driller	6
Fluid Type	MUD
Liquid Level	24.5
Min. Diam.	HQ
Rm @ °C	
Operating Time	1 HOUR
Truck No.	132
Recorded By	SIM
Witnessed By	ZSCHACH

531

Remarks FBL # 7 CURRENT RANGE LOW MUDFISH RESISTANCE 60 OHMS
7 ELECTRODE SONDE 5 CM BEAM WIDTH 60 CM ARRAY
PRIMARY 1K OHM/DIV SECONDARY 5K OHM/DIV

RESISTIVITY (OHM-METERS)	Depths	RESISTIVITY (OHM-METERS)
SECONDARY SCALE 0 — 50,000		PRIMARY SCALE 0 — 10,000 — 20,000; 65,000 — 115,000 — 165,000


BROKE
Schlumberger
Dual Induction Laterolog
Borehole Compensated Sonic
Gamma Ray
Caliper
Spontaneous Potential
Resistivity
Bulk Density
Neutron
Porosity
Lithology
Gamma Ray
Caliper
Bulk Density
Neutron Porosity
Delta-T

BOREHOLE COMPENSATED SONIC LOG

COMPANY	PAN AMERICAN PETROLEUM CORP.
WELL	STATE "A" NCT-1
FIELD	WILDCAT
COUNTY	LEA
STATE	NEW MEXICO
LOCATION	1980' FSL & 1980' FEL
SEC. 2	TWP. 16S
RGE. 34E	
PERMANENT DATUM	GROUND LEVEL
ELEV.	4000
LOG MEASURED FROM	KELLY BUSHING
ELEV. 12 FT. ABOVE PERM. DATUM	
DRILLING MEASURED FROM	KELLY BUSHING
DATE	3-1-56
RUN NO.	ONE
TYPE LOG	BOREHOLE COMPENSATED SONIC
DEPTH-DRILLER	12,500
DEPTH-LOGGER	12,504
BTM. LOG INTERVAL	12,504
TOP LOG INTERVAL	11,900
CASING-DRILLER	13 3/8" @ 1,200'
CASING-LOGGER	1,200
BIT SIZE	12 1/4"
TYPE FLUID IN HOLE	LIGNOSULFONATE
DENS.	10.0
VISC.	40
PH	10.5
FLUID LOSS	8 cc
SOURCE OF SAMPLE	MUD PIT
RM @ MEAS. TEMP.	.55 @ 70°
RMF @ MEAS. TEMP.	.45 @ 70°
RMC @ MEAS. TEMP.	.75 @ 70°
SOURCE RMF & RMC	MEASURED
RM @ BHT	.28 @ 180°
TIME SINCE CIRC.	12 HRS.
MAX. REC. TEMP.	180°
EQUIP. LOCATION	1200
RECORDED BY	R. SMITH
WITNESSED BY	MR. JONES

EQUIPMENT DATA

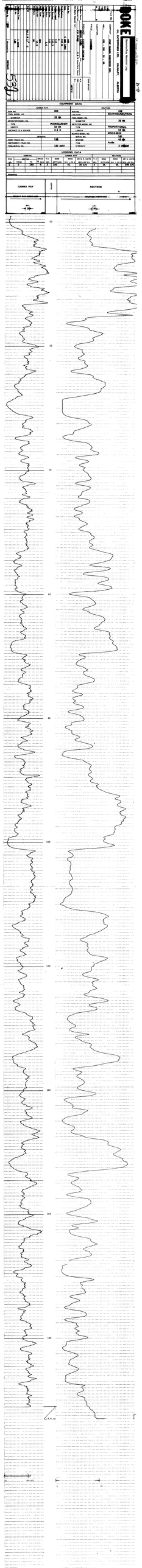
GAMMA RAY		SONIC		NEUTRON	
SOND MODEL NO.		SONDE NO.		TYPE	NEUTRON/NEUTRON
DIAMETER	5" OD	TOOL MODEL NO.		SPACING	
DETECTOR MODEL NO.		DIAMETER	5" OD	DIAMETER	5" OD
SPACING	BOREHOLECOMPEN. 10' OD	DETECTOR MODEL NO.		SOURCE	
LENGTH	10' OD	SPACING		TYPE	PROPORTIONAL
RECORDER TIE IN GR/NEU	3-1-56	LENGTH		STRENGTH	1.5 MC
		RECORDER MODEL NO.		RECORDER NO.	10
GENERAL		SERIAL NO.		SERIAL NO.	MEC-N-56-1
ASSIST CREW NO.	106	TRUCK NO.		TRUCK NO.	60
OBSTRUCT. TRUCK NO.		OPR.		OPR.	Public
TOOL SERIAL NO.	123 ASST	STRENGTH		STRENGTH	1.5 MC

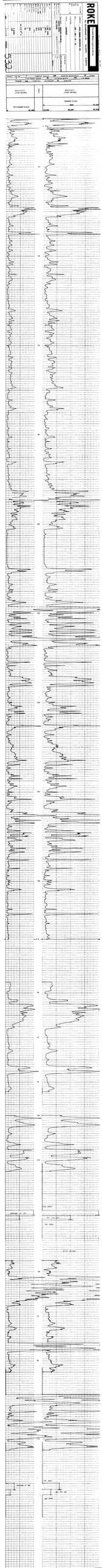
LOGGING DATA

GENERAL						GAMMA RAY						NEUTRON					
RUN NO.	DATE	CASING DRILLER	CASING LOGGER	TD	BTM. LOG INTERVAL	TYPE	ATT. & SPACING	T.C.	SENS.	TYPE	ATT. & SPACING	T.C.	SENS.
ONE	3-1-56	1,200	1,200	12,500	12,504	12,504	11,900	GR-N	10' OD	1.5	10	GR-N	10' OD	1.5	10

REMARKS

GAMMA RAY | CASING COLLAR | NEUTRON




ROKE
533

ROKE OIL ENTERPRISES LTD. CALGARY, ALBERTA

FOCUSED BEAM LOG 5 CM

PR Goodrich 80(3)A 80-37

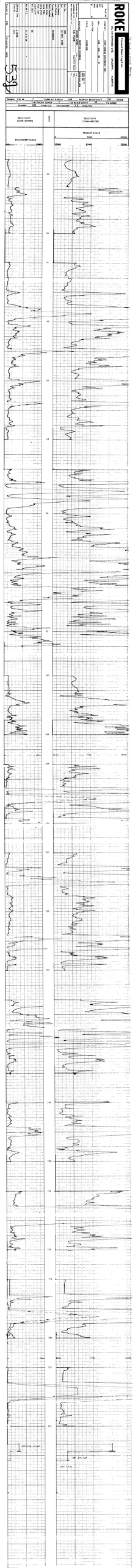
FILE NO.	
LSD	
SEC	
TWP	
RGE	
W	M
COMPANY	GULF CANADA RESOURCES INC.
WELL	GDR - DDH - 80 - 37
LOCATION	
FIELD	GOODRICH
PROVINCE	BRITISH COLUMBIA
Other Services:	FBL 20 DENS-CAL, GRN
Permanent Datum	GROUND LEVEL Elev.
Log Measured from	RIG FLOOR Above Perm. Datum
Well Depths Measured from	
K.B.	
CSG	
G.L.	

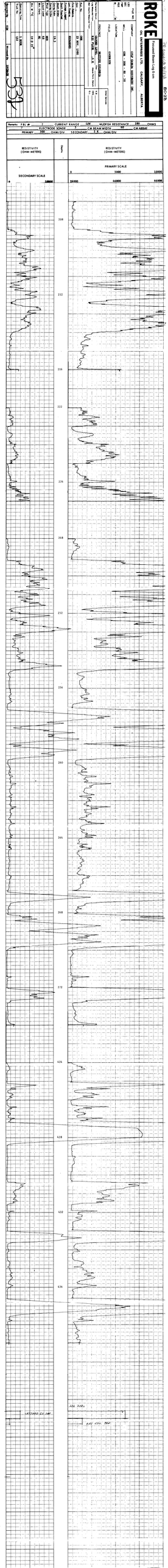
Run. No.	ONE
Date	13 NOV. 1980
First Reading	
Last Reading	
Footage Logged	EXPANDED
Depth Reached	
Depth Driller	
Casing Roke	
Casing Driller	
Fluid Type	
Liquid Level	
Min. Diam.	HQ
Rm @ °C	51.5 @ 16
Operating Time	1 HOUR
Truck No.	132
Recorded By	STM
Witnessed By	SEVE

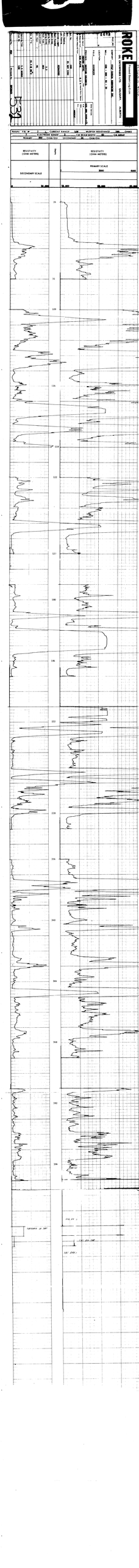
537

Remarks FBL # 7 CURRENT RANGE LOW MUDFISH RESISTANCE 700 OHMS
7 ELECTRODE SONDE 5 CM BEAM WIDTH 60 CM ARRAY
PRIMARY 200 OHM/DIV SECONDARY 1 K OHM/DIV

RESISTIVITY (OHM-METERS)	Depths	RESISTIVITY (OHM-METERS)
SECONDARY SCALE 0 — 10000		PRIMARY SCALE 0 — 2000 — 40000; 13000 — 23000 — 33000


ROKE
RESISTIVITY (OHM-METRES)
SECONDARY SCALE
PRIMARY SCALE
537


ROKE
Induction Electrical Log
OIL ENTERPRISES LTD.
CALGARY, ALBERTA
COMPANY OIL ENTERPRISES LTD.
WELL EAST GRANDE ASTER 10B-9-
FIELD GRANDE ASTER
COUNTY
LOCATION
SEC. 9 TWP. 70 RGE. 24 W 4
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
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
RUN NO.
BOREHOLE RECORD
CASING RECORD
Remarks: FBI #
CURRENT RANGE 10M
MUDFISH RESISTANCE 280 OHMS
ELECTRODE SPACING 16" NORMAL 64" LATERAL
CM BEAM WIDTH 90
CM ABRAY
PRIMARY 500 OHMS/DIV
SECONDARY 5.0 OHMS/DIV
RESISTIVITY (OHM-METERS)
SECONDARY SCALE
0
10000
RESISTIVITY (OHM-METERS)
PRIMARY SCALE
0
1000
10000
0
10000
40000
80000
208
212
216
222
226
248
252
256
260
264
268
272
424
428
432
436
LATCHED AT 440
ADD 100
EAT 400 TOP


ROKE
RESISTIVITY (OHM-METRES)
SECONDARY SCALE
PRIMARY SCALE
RESISTIVITY (OHM-METRES)
FEET
109
116
118
122
127
180
186
222
228
316
360
366
368
382
396