ROKE

SIDEWALL PERMELOG

GAMMA RAY

CALIPER

BULK DENSITY
(DENSILOG)

690

| | | |

ROKE

GAMMA RAY NEUTRON LOG

GAMMA RAY NEUTRON LOG

Company	Cabot Corporation		
Well	Kelly Hawks #1		
Field	Wildcat		
County	Kent	State	Texas
Location	1,320' FNL & 1,320' FEL		
Other Services			
Permanent Datum	Ground Level	Elev.	1,234
Log Measured From	Kelly Bushing		10 Ft. Above Perm. Datum
Drilling Measured From	Kelly Bushing		
Date	10-15-57		
Run No.	ONE		
Depth-Driller	1,320		
Depth-Logger	1,320		
Bottom Logged Interval	1,320		
Top Logged Interval	0		
Type Fluid in Hole	Air		
Salinity, PPM Cl			
Density			
Level	Full		
Max. Rec. Temp.	90		
Operating Rig Time	10 HRS.		
Recorded By	W. ECK		
Witnessed By	MR. SMITH		

Run No.	ONE		
Type Log	GAMMA RAY NEUTRON		
Scale Up	100		
Scale Down	1,320		
Zero Position	0		
Gamma Ray Scale	0-100		
Neutron Scale	0-1,320		
Gamma Ray Detector	1 5/8"		
Neutron Detector	1 5/8"		
Source-Detector Spacing	18"		
Gamma Ray Filter	3"		
Neutron Filter	3"		
Gamma Ray Time Constant	1 SEC.		
Neutron Time Constant	1 SEC.		
Gamma Ray Log Speed	120		
Neutron Log Speed	120		
Gamma Ray Sensitivity	1		
Neutron Sensitivity	1		
Gamma Ray Log Offset	0		
Neutron Log Offset	0		

690

EQUIPMENT DATA

GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.	123	TOOL MODEL NO.	NEUTRON/NEUTRON
DIAMETER	3 1/8OD	DIAMETER	123
DETECTOR MODEL NO.	SCINTILLATION	DETECTOR MODEL NO.	3 1/8OD
TYPE		TYPE	PROPORTIONAL
LENGTH	10 1/4OD	LENGTH	
DISTANCE TO SOURCE	2.2OD	SOURCE MODEL NO.	WSC-5 55 W
		STRENGTH	17
GENERAL		GENERAL	
HOIST TRUCK NO.	110 TF3	SPACING	18, 11Ft
INSTRUMENT TRUCK NO.		TYPE	Acrilic
TOOL SERIAL NO.	1234567	STRENGTH	3 CURIES

LOGGING DATA

GENERAL					GAMMA RAY				NEUTRON			
RUN NO.	DEPTH FROM	DEPTH TO	SPEED FT./MIN.	F.C. SEC.	SENS.	DEPTH BOTTOM	MFS & UNITS DIV. 1, OR 2	PER 1,OO FT.	F.C. SEC.	SENS.	DEPTH BOTTOM	MFS & UNITS DIV. 1, OR 2 PER 1,OO FT.
ONE	0	1,320	120	1	1	1,320	0	1	1	1	1,320	0	1

REMARKS: LOGGED TOWARDS EL BORO

GAMMA RAY

GAMMA RAY INCREASES

API UNITS

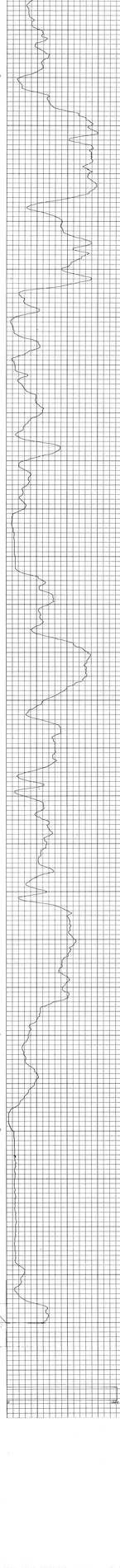
0 — 120

NEUTRON

NEUTRON INCREASES

API UNITS

1,200 — 1,600



ROKE

SIDEWALL DENSILOG
CALIPER
GAMMA RAY

Company ROKE OIL & EXPLORATION LTD.
Well No. 1
Field WILDCAT
County CALGARY
Province ALBERTA
Location 1-35-23-W4M
Other Services
Permanent Datum GROUND LEVEL
Elev. 3300
Log Measured From K.B.
Drilling Measured From K.B.
Elev. K.B. 3310
Elev. D.F.
Elev. G.L. 3300
Date 1-DEC-77
Run No. ONE
Depth-Driller 7000
Depth-Logger 7000
Bottom Logged Interval 7000
Top Logged Interval 1000
Type Fluid in Hole GEL CHEM
Salinity, PPM Cl
Density 9.3
Level FULL
Max. Rec. Temp. Deg. F 150
Operating Rig Time
Recorded By R. SCHMIDT
Witnessed By MR. MOORE

Run No.	ONE	
Bit From	0	
Bit To	7000	
Size	7.875	
Type	STEEL	
Weight	9.3	
Viscosity	45	
Fluid Loss	10.0	
Source of Sample	CIRC.	
R_m @ Meas. Temp.	.95 @ 70	
R_mf @ Meas. Temp.	.65 @ 70	
R_mc @ Meas. Temp.	1.2 @ 70	
Source R_mf / R_mc	CALC.	
R_m @ BHT	.55 @ 150	
Time Since Circ.	5 HRS.	
Max. Rec. Temp. Deg. F	150	
Equip. No. & Location	5501	
Recorded By	R. SCHMIDT	
Witnessed By	MR. MOORE	

GAMMA RAY					
RUN NO.	SCALE FROM	SCALE TO	BKG. SET	SCALE	DEPTH
ONE	0	120	0		

DENSILOG / DENSILOG			
RUN NO.	SCALE FROM	SCALE TO	DEPTH
ONE	0.15	1000	7,100

REMARKS: DENSILOG RECORDED SO WORD

CASING

CALIPER
DIAMETER - IN

GAMMA RAY
API

BULK DENSITY
GRAM/CC

| | | | | |

ROKE

SIDEWALL DENSILOG

COMPANY: TEXACO INC. WESTERN DIVISION

WELL: ROKE UNIT NO. 1

FIELD: ROKE

COUNTY: SHERMAN STATE: TEXAS

LOCATION: 660' FSL & 1980' FWL OF SEC. 31, BLK. 1, H&GN RR CO. SURVEY

PERMANENT DATUM: GROUND LEVEL ELEV.: 3,000

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

DRILLING MEASURED FROM: KELLY BUSHING

Run No.	ONE
Date	12-15-61
Depth-Driller	3,151
Depth-Logger	3,151
Bottom Logged Interval	3,151
Top Logged Interval	2,000
Type Fluid in Hole	GEL CHEM
Salinity, PPM Cl	2,000
Density	9.9
Level	FULL
Max. Rec. Temp. Deg. F.	110
Operating Rig Time	12 HRS
Recorded By	J. ANDERSON
Witnessed By	MR. TAYLOR

Run No.	ONE
Type Log	SDL
Depth-Driller	3,151
Depth-Logger	3,151
Bottom Logged Interval	3,151
Top Logged Interval	2,000
Type Fluid in Hole	GEL CHEM
Salinity, PPM Cl	2,000
Density	9.9
Level	FULL
Max. Rec. Temp. Deg. F.	110
Operating Rig Time	12 HRS
Recorded By	J. ANDERSON
Witnessed By	MR. TAYLOR

Run No.	ONE
Type Log	GR
Depth-Driller	3,151
Depth-Logger	3,151
Bottom Logged Interval	3,151
Top Logged Interval	2,000
Type Fluid in Hole	GEL CHEM
Salinity, PPM Cl	2,000
Density	9.9
Level	FULL
Max. Rec. Temp. Deg. F.	110
Operating Rig Time	12 HRS
Recorded By	J. ANDERSON
Witnessed By	MR. TAYLOR

Run No.	ONE
Type Log	CDL
Depth-Driller	3,151
Depth-Logger	3,151
Bottom Logged Interval	3,151
Top Logged Interval	2,000
Type Fluid in Hole	GEL CHEM
Salinity, PPM Cl	2,000
Density	9.9
Level	FULL
Max. Rec. Temp. Deg. F.	110
Operating Rig Time	12 HRS
Recorded By	J. ANDERSON
Witnessed By	MR. TAYLOR

CASING RECORD

Type String	Size	Wgt.	Depth
Surface	8 5/8"	24#	1,000'
Production	5 1/2"	14#	3,151'

Run No.	ONE
Date	12-15-61
Depth-Driller	3,151
Depth-Logger	3,151
Bottom Logged Interval	3,151
Top Logged Interval	2,000
Type Fluid in Hole	GEL CHEM
Salinity, PPM Cl	2,000
Density	9.9
Level	FULL
Max. Rec. Temp. Deg. F.	110
Operating Rig Time	12 HRS
Recorded By	J. ANDERSON
Witnessed By	MR. TAYLOR

Run No.	ONE
Type Log	DIL
Depth-Driller	3,151
Depth-Logger	3,151
Bottom Logged Interval	3,151
Top Logged Interval	2,000
Type Fluid in Hole	GEL CHEM
Salinity, PPM Cl	2,000
Density	9.9
Level	FULL
Max. Rec. Temp. Deg. F.	110
Operating Rig Time	12 HRS
Recorded By	J. ANDERSON
Witnessed By	MR. TAYLOR

690

GENERAL				GAMMA RAY			SIDEWALL DENSILOG		
RUN NO.	DATE	DEPTH DRILLER	DEPTH LOGGER	SCALE SETTINGS	TYPE	API G.R. UNITS IN FEET	T.C. RUN	SCALE SETTINGS	TYPE DEN
ONE	12-15-61	3,151	3,151	0-100	GR	0-100	ONE	2.0-3.0	DL-RT

REMARKS: SIDEWALL DENSOGR RN NO1

CALIPER
DIAMETER - IN

BULK DENSITY
DENSIMAGO

Pr. Willow Creek 81(3)a

ROKE SIDEWALL DENSILOG

OIL ENTERPRISES LTD. CALGARY, ALBERTA

FILE NO.
LSD
SEC
TWP
RGE
W M

COMPANY G.A. NOEL & ASSOCIATES INC.
WELL DDH 81 - 40
LOCATION
FIELD WILLOW CREEK
PROVINCE BRITISH COLUMBIA

Other Services: GRN

Permanent Datum GROUND LEVEL Elev.
Log Measured from RIG FLOOR 0.3M Above Perm. Datum
Well Depths Measured from RIG FLOOR

K.B.
CSG
G.L.
METRIC

Run. No.	ONE		
Date	22 OCT 1981		
First Reading	40M		
Last Reading	0		
Footage Logged	40		
Depth Reached	44		
Depth Driller			
Casing Roke			
Casing Driller			
Fluid Type	WATER/GEL		
Liquid Level	0		
Min. Diam.	HQ		
Operating Time	6 MIN		
Truck No.	132/FU3		

Recorded By HILLIS Witnessed By MARTON

690

GENERAL				GAMMA RAY				SIDEWALL DENSILOG			
RUN NO.	DEPTHS FROM	DEPTHS TO	SPEED M/MIN	T.C. SEC.	SENS SETTINGS	ZERO DIV. OR R	API G.R. UNITS PER LOG DIV.	T.C. SEC.	SENS SETTINGS	ZERO DIV. OR R	CPS/DIV
ONE	0	40	7					0.5	1000	2.22R	43.85

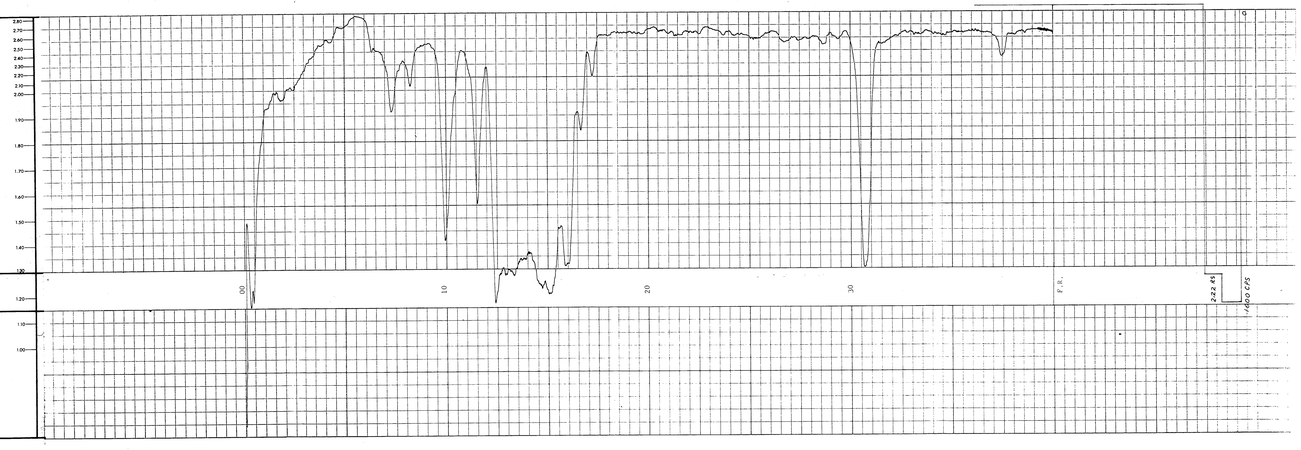
REMARKS LOGGED THROUGH HQ RODS

DIAMETER -

DEPTHS

API

BULK DENSITY (GRAMS/CC)



ROKE

COMPANY OF CALIFORNIA

COMPANY

WELL

FIELD

COUNTY

STATE

LOCATION

SECTION

TOWNSHIP

RANGE

PERMANENT DATUM

ELEV.

LOG MEASURED FROM

FT. 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 OF RMF

SOURCE OF RMC

RM @ BHT

TIME SINCE CIRC.

MAX. REC. TEMP.

EQUIP. LOCATION

RECORDED BY

WITNESSED BY

690

EQUIPMENT DATA

RUN NO.

TYPE LOG

MAX. REC. TEMP.

EQUIP. LOCATION

RECORDED BY

WITNESSED BY

RUN NO.

TYPE LOG

MAX. REC. TEMP.

EQUIP. LOCATION

RECORDED BY

WITNESSED BY

RUN NO.

TYPE LOG

MAX. REC. TEMP.

EQUIP. LOCATION

RECORDED BY

WITNESSED BY

RUN NO.

TYPE LOG

MAX. REC. TEMP.

EQUIP. LOCATION

RECORDED BY

WITNESSED BY

RESISTIVITY

INDUCTION-ELECTRICAL

S.P.

RESISTIVITY

INDUCTION-ELECTRICAL

S.P.

RESISTIVITY

INDUCTION-ELECTRICAL

S.P.

RESISTIVITY

INDUCTION-ELECTRICAL

S.P.

CASING DATA

SIZE	WGT.	GRADE	FROM	TO	SIZE	WGT.	GRADE	FROM	TO

GAMMA RAY

CORING OR RECOVERY

0 100

NEUTRON

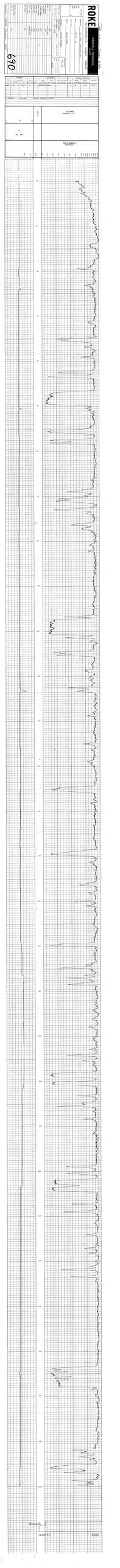
NEUTRON METHODS

0 100

GAMMA RAY—NEUTRON LOG

2 1/2"=100'

2 1/2"=100'


ROKE
RESISTIVITY
SONIC LOG
040
GAMMA RAY
CALIPER
RELATIVE BEARING
DEVIATION
DEPTH
FEET

ROKE
BRENTWOOD
OIL & NATURAL GAS LIMITED

WELL NO. 690
PROPERTY
FIELD
COUNTY
PROVINCE
LOCATION
ELEVATION
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 OF RMF
SOURCE OF RMC
RM @ BHT
TIME SINCE CIRC.
MAX. REC. TEMP.
EQUIP. LOCATION
RECORDED BY
WITNESSED BY

RUN NO. | BIT | FROM | TO | SIZE | WGT. | GRADE | THREAD
CASING | SIZE | WGT. | GRADE | THREAD | FROM | TO
TUBING | SIZE | WGT. | GRADE | THREAD | FROM | TO
OPEN HOLE | SIZE | TYPE FLUID | DENSITY | VISCOSITY | FLUID LOSS

TYPE LOG | DEPTH DRILLER | DEPTH LOGGER | BTM. LOG INTERVAL | SCALE HR. | TOP LOG INTERVAL | REMARKS

690

GENERAL

RUN NO.	BOREHOLE FROM	BOREHOLE TO	CASING DIAM.	CASING WGT.
ONE	0	181		

CORRELATION

RUN NO.	BOREHOLE FROM	BOREHOLE TO	CASING DIAM.	CASING WGT.	DEPTH DRILLER	DEPTH LOGGER
ONE						

RECORDED | WITNESSED

RUN NO.	TIME SINCE CIRC.	MAX. REC. TEMP.	EQUIP. LOCATION	RECORDED BY	WITNESSED BY
1	12HRS		5-71	M.T.S.	

REMARKS: RUN #1A DRILLER

CALIPER
DIAMETER — CM

BULK DENSITY
GRAMMES

SHUT-IN
HOURS ZERO

ROKE

GAMMA RAY NEUTRON LOG

COMPANY THE SUPERIOR OIL COMPANY

WELL NO. 1 STATE

FIELD WILDCAT

COUNTY GRAND

STATE UTAH

LOCATION 1980' FSL & 1980' FEL

SEC. 16 TWP. 22S RGE. 24E

PERMANENT DATUM GROUND ELEV. 4784 ft.

LOG MEASURED FROM KB 10 ft. ABOVE PERM. DATUM

DRILLING MEASURED FROM KB

DATE 1-13-65

RUN NO. ONE

DEPTH—DRILLER 2240

DEPTH—LOGGER 2240

BTM. LOG INTERVAL 2240

TOP LOG INTERVAL SURFACE

CASING—DRILLER 8 5/8 @ 1000

CASING—LOGGER 1000

BIT SIZE 7 7/8

TYPE FLUID IN HOLE GEL-CHEM

DENSITY 9.5

VISCOSITY 38

PH 10

FLUID LOSS 8 cc

SOURCE OF SAMPLE CIRC.

RM @ MEAS. TEMP. .65 @ 70°

RMF @ MEAS. TEMP. .55 @ 70°

RMC @ MEAS. TEMP. .75 @ 70°

SOURCE OF RMF & RMC MEAS.

RM @ BHT .35 @ 150°

TIME SINCE CIRC. 4 HRS.

MAX. REC. TEMP. 150°

EQUIPMENT NO. 69

EQUIPMENT DATA

	GAMMA RAY	NEUTRON
RUN NO.	ONE	ONE
TOOL MODEL NO.	121	NEUTRON/NEUTRON
DIAMETER	3 1/8 IN	121
DETECTOR MODEL NO.		3 1/8IN
TYPE	SCINTILLATION	DETECTOR MODEL NO.
SPACING	10 FEET	SPACING
DISTANCE TO SOURCE	2 ft	LENGTH
SHIELDING		SOURCE MODEL NO.
LOGGER TRUCK NO.		SPACING
INSTRUMENT TRUCK NO.	106	TYPE
TOOL RETRIEL NO.	1	STRENGTH

	69
	NEUTRON/NEUTRON
	121
	3 1/8IN
	PROPORTIONAL
	MSC N-55-W
	44
	Am/Be
	1 curies

LOGGING DATA

GENERAL				GAMMA RAY				NEUTRON			
RUN	DATED	LOGGED	T.C.	BASE	ZERO	SPL & CAL UNITS	T.C.	BASE	ZERO	SPL & CAL UNITS
ONE	1-13	1-13	5	120	0	1.5	5	12	0	1 SPL & CAL
ONE	1-13	1-13	5	120			5	12		1 SPL & CAL
ONE	1-13	1-13	5	120	0	1.5	5	12	0	1 SPL

REMARKS RUN #1B

SPOT 1014

GAMMA RAY

NEUTRON

GAMMA RAY INCREASES

NEUTRON INCREASES

SCALE CHANGE AT INTERVAL LEVEL

2240

2240

2240

ROKE
SIDEWALL DENSLOG
OIL ENTERPRISES LTD. CALGARY, ALBERTA

Field No.	
Company	C.A.P. SIDER & ASSOCIATES 1985
Well	08-01-35
Location	
Field	WILLOW CREEK
Province	ALBERTA
Permanent Datum	GROUND LEVEL
Log Measured From	KELLY BUSHING
Drilling Measured From	KELLY BUSHING
Elev. K.B.	1,092.00
Elev. D.F.	
Elev. G.L.	1,082.00
Date	7-OCT-1985
Run No.	ONE
Depth-Driller	1,500
Depth-Logger	1,500
Bottom Logged Interval	1,500
Top Logged Interval	0
Type Fluid in Hole	WATER GEL
Salinity, PPM Cl	0
Density	9.0
Level	FULL
Max. Rec. Temp. Deg. F.	90
Equipment No. & Location	1,054 - 1,128
Recorded By	SOUTO
Witnessed By	

Other Services: DIL

Primary Depth Control	CASING COLLAR LOG
Log Run No.	ONE
Base Depth Measured From	KELLY BUSHING
Above Perm. Datum	10.00 Ft.

Rig Name	
Rig No.	
Rig Type	
Rig Phone	

Recorded By	SOUTO
Witnessed By	

690

GENERAL			GAMMA RAY			SIDEWALL DENSLOG		
RUN NO.	DEPTHS FROM	DEPTHS TO	SPEED FT/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
ONE			7		MOUNTAIN COAL			.5	16	2.05	43.85

REMARKS: LOGGED THROUGH HQ RODS

DEPTHS

CALIPER
DIAMETER – CH

GAMMA RAY
API

BULK DENSITY
(GRAMS/CC)

1.80 1.90 2.00 2.10 2.20 2.30 2.40 2.50 2.60 2.70 2.80 2.90 3.00

00
10
20
30
40
60
70

F.B.

SHIFT 22A.

1000 CPS

ZERO

ROKE

OIL ENTERPRISES LTD.

GAMMA RAY NEUTRON LOG

COMPANY S.A. MOSS & ASSOCIATES INC.

WELL 308 81 - 25

FIELD WILDCAT RIDGE

LOCATION

LSD SEC TWP RGE

M.

FILE NO.

CASING RECORD

Size	Wgt.	Grade	Set From	Set To
7"	20#	J-55	0	1615
4½"	10.5#	J-55	0	2400

Type Fluid in Hole: FRESH WATER

Density: 8.5 Viscosity: 40

pH: 8 Fluid Loss: 4

Source of Sample: MUD PIT

Rm @ Meas. Temp.: .5 @ 60°F

Rmf @ Meas. Temp.: .4 @ 60°F

Rmc @ Meas. Temp.: .6 @ 60°F

Source: Rmf Rmc: MEASURED

Time Since Circ.: 24 HRS

Max. Rec. Temp.: 80°F

Equip. Location: 3 CROSS

Recorded By: BRADFIELD

Witnessed By: MASON

Run No.: ONE

Depth-Driller: 2400

Depth-Logger: 2400

Bottom Logged Interval: 2400

Top Logged Interval: 0

Type Log: GAMMA RAY NEUTRON

Operating Time

Truck No.: 106

Engineer: BRADFIELD

Date: 10 OCT 1985

Other Services: BHC 2400

Permanent Datum: GROUND LEVEL

Log Measured From: K.B.

Drilling Measured From: K.B.

Elev.: K.B. 1810 G.L. 1805

EQUIPMENT DATA

GAMMA RAY

RUN NO.	ONE
TOOL MODEL NO.	125
DIAMETER	3.18CM
DETECTOR MODEL NO.	
TYPE	SCINTILLATION
LENGTH	10.16CM
DISTANCE TO N. SOURCE	2.0

GENERAL

JOINT TRUCK NO.	
INSTRUMENT TRUCK NO.	106
TOOL SERIAL NO.	1234001

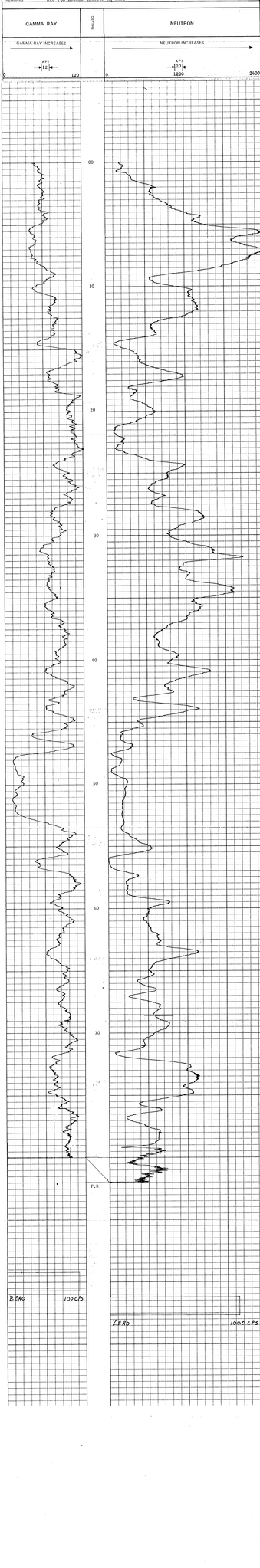
NEUTRON

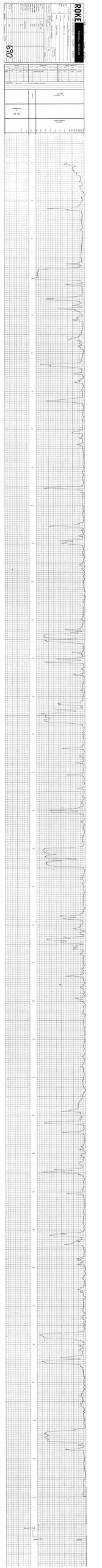
RUN NO.	ONE
TOOL TYPE	NEUTRON/NEUTRON
TOOL MODEL NO.	125
DIAMETER	3.18CM
DETECTOR MODEL NO.	
TYPE	PROPORTIONAL
LENGTH	
SOURCE MODEL NO.	MRC N-SS-W
SERIAL NO.	181
SPACING	38.1CM
TYPE	AmBe
STRENGTH	3 CURIES

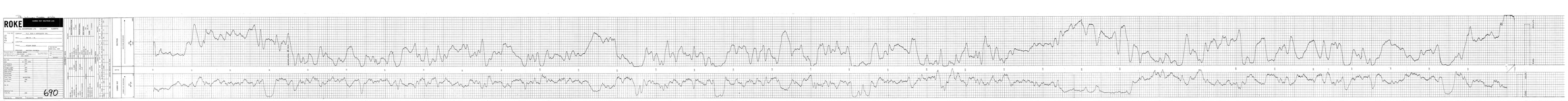
LOGGING DATA

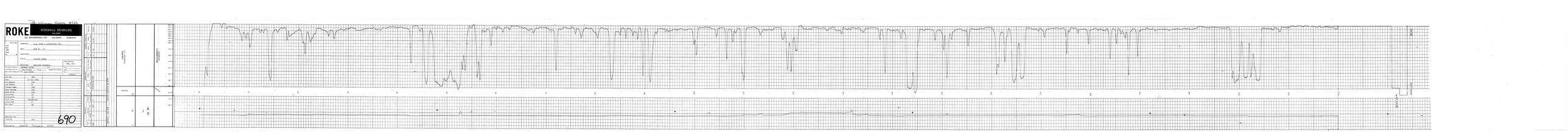
GENERAL RUN NO.	GOING FROM	GOING TO	SPEED M/MIN	T.C. SEC.	GAMMA RAY SENS SETTINGS	GAMMA RAY ZERO DIV. L OR R	GAMMA RAY API G. R. UNITS PER LOG DIV.	NEUTRON T. C SEC.	NEUTRON SENS SETTINGS	NEUTRON ZERO DIV. L OR R	NEUTRON API N. UNITS PER LOG DIV.
ONE	0	80	4	3	100	0	12	3	1K	0	120

REMARKS: RIG #30 LOGGED THROUGH HQ HOSES




ROKE
690


ROKE
690


ROKE
SIDEWALL DENSILOG
CALGARY
ALBERTA
DIL INTERPRETATION LTD.
CALGARY, ALBERTA
FILE NO.
COMPANY
WELL
LOCATION
FIELD
COUNTY
PROVINCE
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
SOURCE RMC
RM @ BHT
TIME SINCE CIRC.
TIME LOGGED
MAX. REC. TEMP.
EQUIP. NO.
LOCATION
RECORDED BY
WITNESSED BY
DENSITY
DEPTH
SCALE
690

ROKE

GAMMA RAY NEUTRON LOG

SECTION 14 X 23 TOWNSHIP 10 N RANGE 10 W

COUNTY LINCOLN STATE NEW MEXICO

690

| | | |

ROKE

GAMMA RAY NEUTRON LOG

690

COMPANY	ROKE OIL INC.
WELL	NO. 1
FIELD	WILDCAT
COUNTY	CALHOUN
STATE	TEXAS
LOCATION	1320' FSL & 1320' FEL
SURVEY	
SECTION	
BLOCK	
ABSTRACT	
OTHER SERVICES	
PERMANENT DATUM	GROUND LEVEL
ELEV.	
LOG MEASURED FROM	KELLY BUSHING
DRILLING MEASURED FROM	KELLY BUSHING
DATE	10-15-71
RUN NO.	ONE
DEPTH-DRILLER	2,000
DEPTH-LOGGER	2,000
BTM. LOG INTERVAL	1,998
TOP LOG INTERVAL	SURFACE
CASING-DRILLER	8 5/8 @ 1,998
CASING-LOGGER	8 5/8 @ 1,998
BIT SIZE	7 7/8
TYPE FLUID IN HOLE	GEL-CHEM
DENS. VISC.	9.5 - 38
PH	10
FLUID LOSS	8
SOURCE OF SAMPLE	CIRCULATED
RM @ MEAS. TEMP.	.75 @ 80°
RMF @ MEAS. TEMP.	.60 @ 80°
RMC @ MEAS. TEMP.	.90 @ 80°
SOURCE OF RMF & RMC	CALCULATED
RM @ BHT	.34 @ 150°
TIME SINCE CIRC.	6 HRS.
MAX. REC. TEMP.	150°
EQUIP. LOCATION	690
RECORDED BY	R. ROE
WITNESSED BY	MR. M

EQUIPMENT DATA

GAMMA RAY		NEUTRON	
GAMMA RAY		NEUTRON	
TYPE MOD.	615	TYPE MOD.	615
SERIAL NO.	1,234	SERIAL NO.	1,234
DETECTOR MAKE NO.		DETECTOR MAKE NO.	
TYPE	SCINTILLOMETER	TYPE	PROPORTIONAL
SERIAL NO.		SERIAL NO.	
DISTANCE TO SOURCE	2.00	DISTANCE TO SOURCE	2.00
SOURCE		SOURCE MAKE NO.	
TYPE		TYPE	MISC-SOURCE
MAKE NO.	123	STRENGTH	
STRENGTH		MAKE NO.	ALPHA
SERIAL NO.		STRENGTH	2 CURIES

LOGGING DATA

GAMMA RAY								NEUTRON							
RUN	BOTTOM	TOP	SCALE	TIME CONST.	SPEED	GAIN	REMARKS	RUN	BOTTOM	TOP	SCALE	TIME CONST.	SPEED	GAIN	REMARKS
ONE	1,998	SURF.	0-100	3	60			ONE	1,998	SURF.	0-100	3	60		

WITNESSED BY MR. M

LOGGING COMPANY'S R. ROE

ROKE GAMMA RAY NEUTRON

GAMMA RAY

API 0 GR 100

NEUTRON

API 45 NEUTRON 0

Scale Change at Varied Lithology

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

6000

6100

6200

6300

ROKE
BOSWALL CORNWALL
BOSWALL CORNWALL
690

ROKE

OIL ENTERPRISES LTD. CALGARY, ALBERTA

GAMMA RAY NEUTRON LOG

Pre-Willow Creek 81-39

FILE NO.

COMPANY G.A. NOEL & ASSOCIATES INC.

WELL DDH 81 - 39

LOCATION

FIELD WILLOW CREEK

PROVINCE BRITISH COLUMBIA

Other Services: DIRS-CAL, DIR

Permanent Datum	GROUND LEVEL
Log Measured from	RIG FLOOR
Well Depths Measured from	RIG FLOOR
Elev.	
Above Perm. Datum	0.3
K.B.	
D.F.	
G.L.	

METRIC

LSD
SEC
TWP
RGE
W ____ M

Run. No.	ONE
Date	16 OCT 1981
First Reading	34.5
Last Reading	0
Footage Logged	34.5
Depth Reached	35.5
Depth Driller	38
Casing Driller	9.5
Casing Rake	10.0
Fluid Type	WATER/GEL
Liquid Level	0
Mtn. Diam.	HQ
Rm. @	
Operating Time	
Truck No.	130

690

Recorded By SEE&PENT/MURRAY Witnessed By MARTON

EQUIPMENT DATA

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

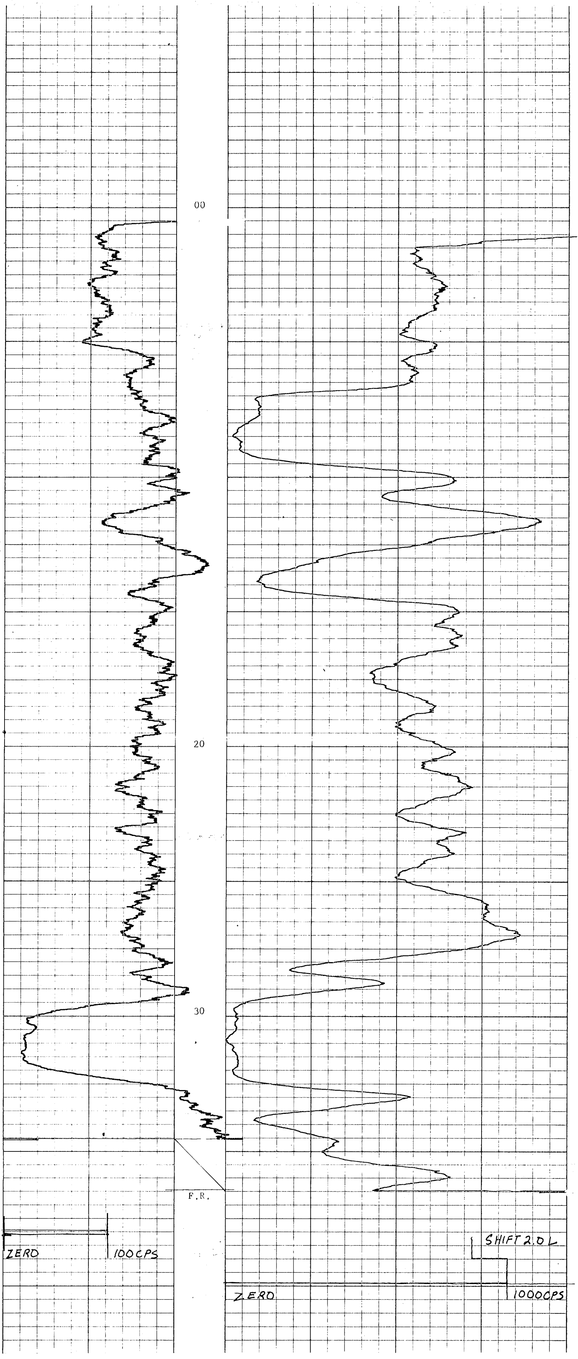
GENERAL	
HOIST TRUCK NO.	
INSTRUMENT TRUCK NO.	130
TOOL SERIAL NO.	125A001

LOGGING DATA

GENERAL				GAMMA RAY				NEUTRON			
RUN NO.	DEPTHS FROM	DEPTHS TO	SPEED M /MIN	T.C. SEC.	SENS SETTINGS	ZERO DIV. L OR R	API G. R. UNITS PER LOG DIV.	T. C. SEC.	SENS SETTINGS	ZERO DIV. L OR R	API N. UNITS PER LOG DIV
ONE	0	34.5	4	3	100	0	9	3	1K	2L	80

REMARKS RIG #44 LOGGED THROUGH HQ RODS

GAMMA RAY	DEPTHS	NEUTRON
GAMMA RAY INCREASES →		NEUTRON INCREASES →
API 9		API 80



ROKE

SIDEWALL DENSLOG CALIPER

OIL ENTERPRISES LTD. CALGARY, ALBERTA

FILE NO.

COMPANY G.A. NOEL & ASSOCIATES INC.

WELL DDH 81 - 39

LOCATION

FIELD WILLOW CREEK

PROVINCE BRITISH COLUMBIA

LSD SEC TWP RGE W M

Permanent Datum: GROUND LEVEL Elev. 0

Log Measured from: KELLY BUSHING 0.3 Above Perm. Datum

Other Services: GRN, DIR

K.B. 0.3

D.F.

G.L.

Run No. ONE

Date 16 OCT 1981

First Reading 35

Last Reading 0

Footage Logged 35

Depth Reached 36

Depth Driller 38

Casing Rote 9.5

Casing Driller 10.0

Fluid Type WATER/GEL

Liquid Level

Min. Diam. HQ

Operating Time

Truck No. 130

Recorded By SEBASTINI/MURRAY

Witnessed By MARTON

690

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
ONE	0	35	7		MOUNTAIN COAL			.3	1K	2.2R	43.85

REMARKS RIG #44 LOGGED THROUGH HQ RODS

CALIPER
DIAMETER – CM

5 10 15

DEPTHS

GAMMA RAY
API

100 110

BULK DENSITY
(GRAMS/CC)

120 130 140 150 160 170 180 190 200 210 220 230 240 250 260 270 280

00

10

20

F.R.

SHIFT 2.2R.

1000 CPS

ZERO

ROKE

GAMMA RAY NEUTRON LOG

COUNTY: HARRIS

WELL: 1

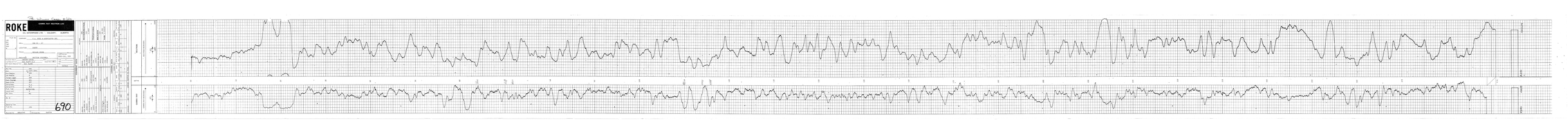
FIELD: [illegible]

LOCATION: [illegible]

SURVEY: [illegible]

COMPANY: [illegible]

| | | |


ROKE
ROKE NDT INSPECTION LIMITED
CALGARY, ALBERTA
690

ROKE

GAMMA RAY NEUTRON LOG

Other Services: DUAL INDUCTION LATEROLOG · BOREHOLE COMPENSATED SONIC LOG · CEMENT BOND LOG · VARIABLE DENSITY LOG · GAMMA RAY NEUTRON LOG

Company: CITIES SERVICE OIL & GAS CORPORATION

Well: BOX 1-13

Field: HUGOTON

County: STEVENS

State: KANSAS

Location: 1320' FSL & 1320' FEL

Sec. 13 Twp. 32S Rge. 38W

Permanent Datum: GROUND LEVEL

Elevation: 3,195

Log Measured From: KELLY BUSHING

Drilling Measured From: KELLY BUSHING

Elev.: K.B. 3,207 D.F. G.L. 3,195

Date: 1-29-82

Run No.: ONE

Depth-Driller: 2,700

Depth-Logger: 2,700

Bottom Logged Interval: 2,700

Top Logged Interval: SURFACE

Type Fluid in Hole: GEL-CHEM

Salinity, PPM Cl: 1,000

Density: 9.2

Level: FULL

Max. Rec. Temp. Deg. F: 100

Operating Rig Time: 6 HRS

Recorded By: D. HOLLOWAY

Witnessed By: MR. HOLLOWAY

Run No. | Bit From | Bit To | Size | Wgt. | Type Fluid | Fluid Loss | Source of Sample | R_m @ Meas. Temp. | R_mf @ Meas. Temp. | R_mc @ Meas. Temp. | Source R_mf | Source R_mc | R_m @ BHT | Time Since Circ. | Max. Rec. Temp. Deg. F | Equip. Location | Recorded By | Witnessed By

ONE | SURFACE | 2,700 | 7 7/8" | 9.2 | GEL-CHEM | 8.4 | MUD PIT | .65 @ 70° | .49 @ 70° | .85 @ 70° | MEAS. | MEAS. | .32 @ 100° | 6 HRS | 100 | 32-38-38 | D. HOLLOWAY | MR. HOLLOWAY

EQUIPMENT DATA

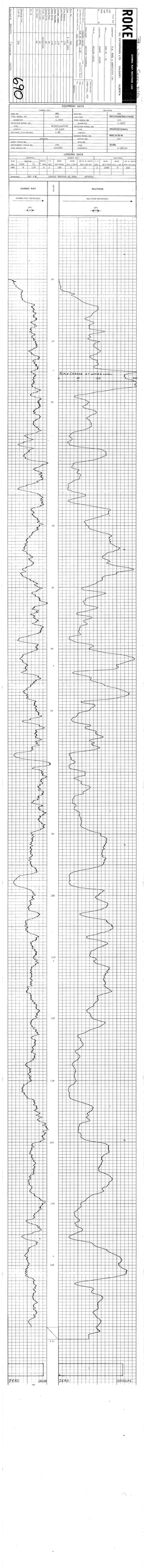
GAMMA RAY		NEUTRON	
Run No.	ONE	Run No.	ONE
Tool Model No.	141	Tool Model No.	NEUTRON/NEUTRON
Diameter	3 1/8CM	Tool Model No.	113
Serial No.		Diameter	3 1/8CM
Type	MICROGAMMA	Neutron Source No.	
Length	10 1/2CM	Type	PROPORTIONAL
Detector To Source	7.5M	Detector Serial No.	
Source		Source Serial No.	MSC-5E-M
Serial No.		Serial No.	167
Assist Truck No.		Spacing	
Instrument Truck No.	176	Type	Skids
Logging Engineer	LYNCH	Operator	3 1/8SS15

LOGGING DATA

GAMMA RAY							NEUTRON						
Run No.	Interval		Speed	Time Constant	Sensitivity	Log Scale	Run No.	Interval		Speed	Time Constant	Sensitivity	Log Scale
	From	To						From	To				
ONE	0	2,700	60	3	1,000	0	ONE	0	2,700	60	3	1,000	0

Remarks: RAN CASING AT 2,700' & CEMENTED W/ 1,000 SACKS. PTD 2,700'

Operator's Office Identification (eg. Shop): APPROVED



ROKE

SIDEWALL DRILLING

690

Company	
Well	
Location	
Field	
County	
State	
Elevation	
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	
Viscosity	
Fluid Loss	
Source of Sample	
Rm @ Meas. Temp.	
Rmf @ Meas. Temp.	
Rmc @ Meas. Temp.	
Source of Rmf and Rmc	
Rm @ BHT	
Time Since Circulation	
Time Since Circ.	
Max. Rec. Temp.	
Equip. Location	
Recorded By	
Witnessed By	

Company	
Well	
Location	
Field	
County	
State	

File No.	
Date	
Type Log	
Depth Driller	
Depth Logger	
Bottom Logged Interval	
Top Logged Interval	
Casing Driller	
Casing Logger	
Bit Size	
Type Fluid in Hole	
Density	
Viscosity	
Fluid Loss	
Source of Sample	
Rm @ Meas. Temp.	
Rmf @ Meas. Temp.	
Rmc @ Meas. Temp.	
Source of Rmf and Rmc	
Rm @ BHT	
Time Since Circulation	
Max. Rec. Temp.	
Equip. Location	
Recorded By	
Witnessed By	

Company	
Well	
Location	
Field	
County	
State	

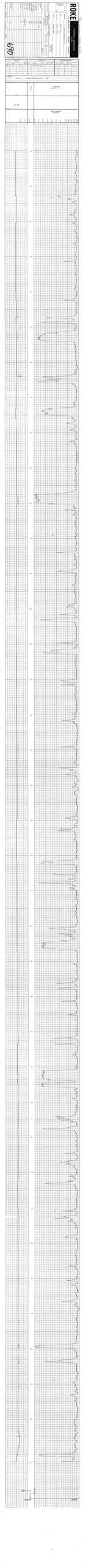
File No.	
Date	
Type Log	
Depth Driller	
Depth Logger	
Bottom Logged Interval	
Top Logged Interval	
Casing Driller	
Casing Logger	
Bit Size	
Type Fluid in Hole	
Density	
Viscosity	
Fluid Loss	
Source of Sample	
Rm @ Meas. Temp.	
Rmf @ Meas. Temp.	
Rmc @ Meas. Temp.	
Source of Rmf and Rmc	
Rm @ BHT	
Time Since Circulation	
Max. Rec. Temp.	
Equip. Location	
Recorded By	
Witnessed By	

GENERAL				CASING RUN				SIDEWALL SAMPLES		
RUN NO.	INTERVAL FROM	TO	SPACE BETWEEN SHOTS	SIZE	WEIGHT & GRADE	API S.N. OR FB AND LOG NO.	T.D. DRILLER	SIZE RECOVERED	SIZE FIRED & MISFIRED	CPS/ SPS
ONE	0	110	5				110	25	2 25	23/23

REMARKS: GAMMA TENSION GR SHELL RUNS
REC #25

CALIPER
DIAMETER - IN

BULK DENSITY
(GRAMS/CC)


ROKE
690

ROKE

GAMMA RAY NEUTRON LOG

OIL ENTERPRISES LTD. CALGARY ALBERTA

Well No.	6-90
Field	WILLESDEN GREEN
County	
Province	ALBERTA
Location	SEC 18 - 42 - 5 W5M
Other Services	
Permanent Datum	GROUND LEVEL
Elevation	3250
Log Measured From	K.B.
Drilling Measured From	K.B.
Elev. K.B.	3260
Elev. D.F.	
Elev. G.L.	3250
Date	12-2-82
Run No.	ONE
Depth Driller	3600
Depth Logger	3600
Bottom Logged Interval	3600
Top Logged Interval	1700
Type Fluid in Hole	WATER
Salinity, PPM Cl	
Density	
Level	FULL
Max. Rec. Temp. Deg. F.	
Operating Rig Time	
Recorded By	
Witnessed By	

EQUIPMENT DATA

GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL NO.	121	LOG TYPE	NEUTRON/NEUTRON
DIAMETER	3.1BOH	TOOL MODEL NO.	121
DETECTOR MODEL NO.		DIAMETER	3.1BOH
TYPE	SCINTILLATION	DETECTOR MODEL NO.	
LENGTH	10.1BOH	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	2.0N	LENGTH	
		SOURCE MODEL NO.	MRC-N.55-W
GENERAL		SERIAL NO.	187
HOIST TRUCK NO.	132/TV3	SPACING	16.1CH
INSTRUMENT TRUCK NO.		TYPE	AmBe
TOOL SERIAL NO.	1214007	STRENGTH	3 CURIES

LOGGING DATA

RUN	GAMMA RAY LOGGING							NEUTRON			
	FROM	TO	SPEED FT. /MIN	T.C. SEC	SENS SETTINGS	ZERO DIV. & DIR.	API N. UNITS PER LOG DIV.	T.C. SEC	SENS SETTINGS	ZERO DIV. & DIR.	API N. UNITS PER LOG DIV.
ONE	0	115	4	3	100	0	13	1	1000	0	170

REMARKS LOGGED INSIDE 8D 9000

GAMMA RAY

GAMMA RAY INCREASES

API

0 120

NEUTRON

NEUTRON INCREASES

API

1700 3600

Inches

00

10

20

30

40

50

60

70

80

90

100

110

T.D.

0 100 CPS

0 1000 CPS

ROKE

SIDEWALL DENSILOG

CALGARY ALBERTA

Company	ROKE OIL (NETHERBURN) LTD.
Well	ROKE ET AL NETHERBURN 10-6-30-3 W4M
Field	NETHERBURN
Location	10-6-30-3 W4M
Permanent Datum	GROUND LEVEL
Log Measured From	KELLY BUSHING
Drilling Measured From	KELLY BUSHING
Elevation	K.B. 1000
	D.F.
	G.L. 990
Date	3-DEC-1981
Run No.	ONE
Depth-Driller	3220
Depth-Logger	3224
Bottom Logged Interval	3224
Top Logged Interval	2100
Type Fluid in Hole	GEL CHEM
Salinity, PPM Cl	1000
Density	9.3
Viscosity	55
Fluid Loss	5.6
Source of Sample	FLOWLINE
R_m @ Meas. Temp.	1.53 @ 70
R_mf @ Meas. Temp.	.95 @ 70
R_mc @ Meas. Temp.	2.25 @ 70
Source R_mf / R_mc	MEASURED / CALCULATED
R_m @ BHT	1.01 @ 120
Time Since Circ.	12 HRS
Max. Rec. Temp.	120
Equip. Location	3-30-W4
Recorded By	D. MCCLELLAND
Witnessed By	MR. MCCLELLAND

GENERAL				CASING REC			NORMAL RESOLUTION		
BOTTOM LOGGED INTERVAL		SPEED F.P.M.	F.D. No.	BORE DIAMETER	SIZE & WGT.	MAX. REC. TEMP. DEG. F. PER 6HRS	TOOL DIAMETER	ZERO SETTING	SPAN SETTING
3220	2100	30	3				6.5	1000	2,150	53.85

REMARKS: SURVEY RUNNING UP HOLE

CALIPER READINGS ARE 6.5% SLURRY USED DURING

CALIPER
DIAMETER / IN.

BULK DENSITY
GRAMS/CC

10 11 12 13

1.95 2.45

10

20

30

40

50

60

70

80

90

100

110

120

130

140

F.D.

RUN ONE

3224 C.W.

69

ROKE

SIDEWALL DENSILOG CALIPER

OIL ENTERPRISES LTD. CALGARY ALBERTA

FILE NO.

COMPANY ROKE OIL ENTERPRISES LTD.

WELL 10-35-32-2W5

FIELD WIMAX DEEP

LOCATION 10-35-32-2W5

Other Services: BHC, DLL, MSFL

Permanent Datum: GROUND LEVEL

Elevation: 1251.5 K.B. 1256.5 D.F. 1255.5 G.L.

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

Drilling Measured From: K.B.

Date	24-OCT-1985	
Run No.	ONE	
Depth-Driller	1154	
Depth-Logger	1153	
Bottom Logged Interval	1154	
Top Logged Interval	114	
Casing Type	SURFACE	
Casing Size	9 5/8	
Casing Depth	114	
Bit Size	8	
Type Fluid in Hole	GEL CHEM	
Density	10.3	
Viscosity	50	
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		

Run No. ONE

Primary Depth Control: DLL

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

Drilling Measured From: K.B.

Permanent Datum: GROUND LEVEL Elev.: 1251.5

Elevation: K.B. 1256.5 D.F. 1255.5 G.L.

Date: 24-OCT-1985

Run No.: ONE

Depth-Driller: 1154

Depth-Logger: 1153

Bottom Logged Interval: 1154

Top Logged Interval: 114

Casing Type: SURFACE

Casing Size: 9 5/8

Casing Depth: 114

Bit Size: 8

Type Fluid in Hole: GEL CHEM

Density: 10.3

Viscosity: 50

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: WATSON

Primary Depth Control: DLL

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

Drilling Measured From: K.B.

Permanent Datum: GROUND LEVEL Elev.: 1251.5

Elevation: K.B. 1256.5 D.F. 1255.5 G.L.

Date: 24-OCT-1985

Run No.: ONE

Depth-Driller: 1154

Depth-Logger: 1153

Bottom Logged Interval: 1154

Top Logged Interval: 114

Casing Type: SURFACE

Casing Size: 9 5/8

Casing Depth: 114

Bit Size: 8

Type Fluid in Hole: GEL CHEM

Density: 10.3

Viscosity: 50

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: WATSON

690

GENERAL				GAMMA RAY				SIDEWALL DENSILOG		
RUN NO.	DEPTH FROM	DEPTH TO	SPEED FT./MIN.	T.C.	SENS. MV/API/MIN.	ZERO DIAL DIV.	API G.R. UNITS PER DIAL DIV.	T.C. SEC.	SENS. MV/API/MIN.	ZERO DIAL DIV.
ONE	0	114	7					0.5	1000	2.228

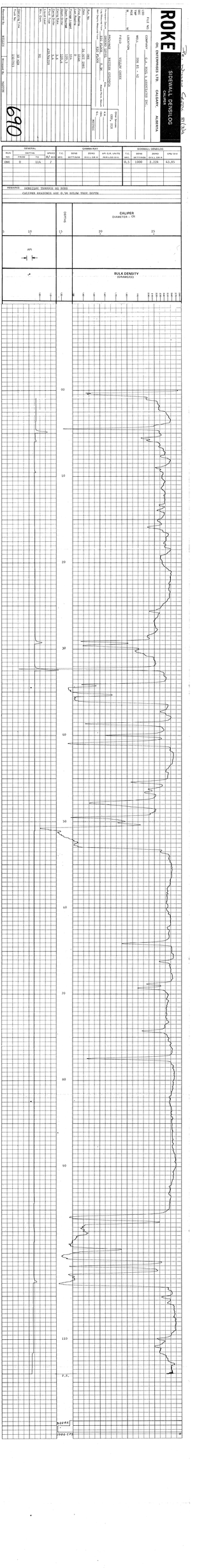
SIDEWALL DENSILOG	
SENS. MV/API/MIN.	ZERO DIAL DIV.
1000	2.228

REMARKS DENSILOG THROUGH DO RODS

CALIPER READINGS ARE 0.5" BELOW TRUE DEPTH

CALIPER
DIAMETER — CM

BULK DENSITY
(GRAMS/CC)



ROKE

SIDEWALL RESISTIVITY LOG

CALIBRATED

CHICAGO, ILLINOIS

Company: ROKE OIL COMPANY

Well: NO. 1

Field: WILDCAT

County: COOK

State: ILLINOIS

Location: 1980' FNL & 1980' FEL

Sec: 35 Twp: 36N Rge: 13E

Permanent Datum: GROUND LEVEL

Elev.: 0

Log Measured From: KELLY BUSHING

Ft. Above Perm. Datum: 10

Drilling Measured From: KELLY BUSHING

Date: 6-7-61

Run No.: ONE

Depth-Driller: 2,000

Depth-Logger: 1,998

Bottom Logged Interval: 1,998

Top Logged Interval: 1,000

Type Fluid in Hole: CHEMICAL

Salinity, P.P.M. Cl: 1,000

Density: 9.2

Level: FULL

Max. Rec. Temp. Deg. F: 120

Operating Rig Time: 12 HRS

Recorded By: BOB

Witnessed By: MR. SMITH

Run No.: ONE

Type Log: SIDEWALL RESISTIVITY

Depth-Driller: 2,000

Depth-Logger: 1,998

Bottom Logged Interval: 1,998

Top Logged Interval: 1,000

Casing-Driller: 8 5/8 @ 1,000

Casing-Logger: 1,000

Bit Size: 7 7/8

Type Fluid in Hole: CHEMICAL

Dens.: 9.2

Visc.: 38

pH: 9.5

Fluid Loss: 6.4

Source of Sample: MUD PIT

R_m @ Meas. Temp.: .85 @ 70

R_mf @ Meas. Temp.: .70 @ 70

R_mc @ Meas. Temp.: 1.1 @ 70

Source of R_mf: MEASURED

Source of R_mc: CALCULATED

R_m @ BHT: .35 @ 120

Time Since Circ.: 12 HRS

Max. Rec. Temp. Deg. F: 120

Equip. No. & Location: 1609 CHICAGO

Recorded By: BOB

Witnessed By: MR. SMITH

069

GENERAL				GAMMA RAY			SIDEWALL RESISTIVITY			
RUN NO.	DEPTH FROM	DEPTH TO	SPEED F/MIN	T.C. SEC.	SENS. DIV/MV	API A.N. UNITS PER LOG D.U.	T.C. SEC.	SENS. DIV/1 OHM	SPEC.SEN	
ONE	0	1,998	5				0.1	1000	2.828	11.31

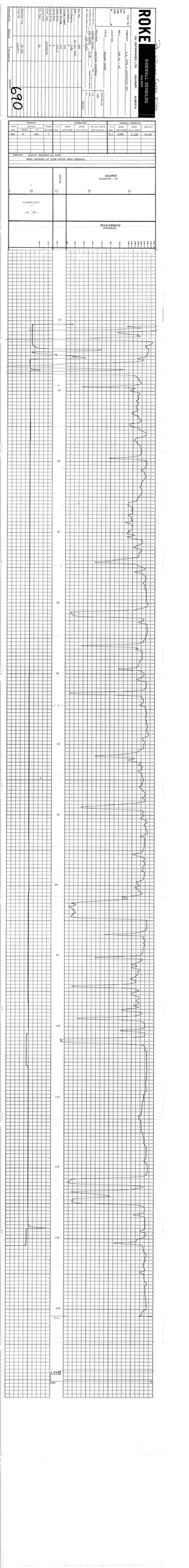
REMARKS: LOG100 TESTED AT 1000

REAL BEGINS AT 1000 AFTER 8000 SURVEYS

GAMMA RAY

CALIPER
DIAMETER – IN

BULK DENSITY
(GRAMS/CC)



ROKE
GAMMA RAY NEUTRON LOG
OIL ENTERPRISES LTD.

CALGARY, ALBERTA

COMPANY ROKE OIL ENTERPRISES LTD.
WELL 08-21-TP-31
FIELD WILDCAT
LOCATION LSD 21 TWP 31 RGE 21 W4M
COUNTY/PROV. S.A.R. BOSS ASSOCIATES INC.

Permanent Datum KELLY BUSHING
Elev. 3,317.5 ft.
Log Measured From K.B.
Drilling Measured From K.B.
Elev.: K.B. 3,317.5
G.L. 3,307.5
D.F.

Date	21/01/81		
Run No.	ONE		
Depth-Driller	3,630		
Depth-Logger	3,630		
Bottom Logged Interval	3,630		
Top Logged Interval	3,100		
Type Fluid in Hole	GEL CHEM		
Salinity, PPM Cl	1,000		
Density	9.6		
Level	FULL		
Max. Rec. Temp. Deg. F.	120		
Operating Rig Time	6 HRS		
Recorded By	R. SCHMIDT		
Witnessed By	MR. BOSS		

Run No.	Bit From	Bit To	Csg. Size	Csg. Wgt.	Csg. From	Csg. To
ONE	SURF.	3,630	9 5/8"	36.0#	SURF.	3,100

Run No.	Tool Type	Tool No.	Diameter	Weight	Max. Rec. Temp.	Time Since Circ.	Max. Time Since Circ.
ONE	GAMMA RAY NEUTRON	1,180R	3 3/8"	100 LBS.	120	6 HRS.	6 HRS.

Run No.	Equipment No.	Location
ONE	1180R	STETTLER

EQUIPMENT DATA

GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
TOOL MODEL, NO.	103	GAS CORR.	NEUTRON/NEUTRON
DIAMETER	3.180R	TOOL MODEL, NO.	121
DETECTOR MODEL NO.		DIAMETER	3.187R
TYPE	SCINTILLATION	DETECTOR MODEL NO.	PROPORTIONAL
LENGTH	18.180R	TYPE	
DISTANCE TO N. SOURCE	2.0R	LENGTH	WINC N-25 W
		BACKGROUND, MODEL NO.	103
GENERAL		SERIAL NO.	38-32R
ASSAY TRUCK NO.	1327013	DETECTOR, TYPE	Audio
INSTRUMENT TRUCK NO.		STRENGTH	3 CURIES
TOOL SERIAL NO.	1216007		

LOGGING DATA

GENERAL				GAMMA RAY				NEUTRON			
RUN NO.	CASING FROM	CASING TO	CASED HOLE SIZE	SPEED FT./MIN.	F.C. SETTING	ZERO	API N. A. UNITS PER LOG DIV.	F.C. SENS.	ZERO SETTING	API N. UNITS PER LOG DIV.
ONE	0	3,100	9 7/8"	30	100	0	15	2	1500	0	100

REMARKS RUN ONE TOOLED ON OUT

GAMMA RAY

SCALE

NEUTRON

GAMMA RAY INCREASES

NEUTRON INCREASES

0 150

1600 3600

PAGE OF 0

PAGE OF 0

ROKE

SCHLUMBERGER WELL SERVICES

COMPANY: ROKE OIL EXPLORATION LTD.

WELL: 16-18-30-28W4

FIELD: WILDCAT

LOCATION: 16-18-30-28W4

COUNTY: KINDERSLEY

PROVINCE: SASKATCHEWAN

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

Date: 1-7-82
Run No.: ONE
Depth-Driller: 1000 ft
Depth-Logger: 1000 ft
Bottom Logged Interval: 1000 ft
Top Logged Interval: 300 ft
Type Fluid in Hole: GEL CHEM
Salinity, PPM Cl: 1000
Density: 9.4 lb/gal
Level: FULL
Max. Rec. Temp. Deg. F: 90°F
Operating Rig Time: 12 HRS
Recorded By: D. MCKAY
Witnessed By: MR. MCCOY

BOREHOLE RECORD

No.	Bit From	Bit To	Size	Wgt.	Type Fluid
ONE	0	1000	7 7/8"	9.4	GEL CHEM

CASING RECORD

No.	Size	Wgt.	Grade	From	To
ONE	8 5/8"	24	J-55	0	300

Equipment Number and Location: 1001 VERMILION

Recorded by: D. MCKAY

Witnessed by: MR. MCCOY

690

RUN	BOREHOLE RECORD BIT SIZE	BOREHOLE RECORD DEPTH DRILLER	BOREHOLE RECORD DEPTH LOGGER	CASING RECORD SIZE	CASING RECORD WEIGHT	CASING RECORD DEPTH	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
ONE	7 7/8"	1000	1000	8 5/8"	24	300	GEL CHEM	9.4	1000		7.2									1001 VERMILION	D. MCKAY	MR. MCCOY

Remarks: Surface Casing 30 Joints

CALIPER
DIAMETER IN

BULK DENSITY
DENSITY(G)

Porosity

Scale: 1 : 240

Run 1

ROKE

GAMMA RAY NEUTRON LOG

OIL ENTERPRISES LTD. CALGARY ALBERTA

Rig No. 90 COMPANY CALA ROKE & ASSOCIATES LTDS.

WELL 08-36-49-W

FIELD

LOCATION

PROVINCE ALBERTA

COUNTRY CANADA

Other Services

Permanent Datum GROUND LEVEL Elev. 2470

Log Measured From KELLY BUSHING 5.00 Ft. Above Perm. Datum

Drilling Measured From KELLY BUSHING

Recorded By	
Witnessed By	
Run No.	ONE
Depth-Driller	2355
Depth-Logger	2354
Bottom Logged Interval	2352
Top Logged Interval	1814.5
Casing-Driller	8.625 @ 1814.5
Casing-Logger	1814.5
Bit Size	7.875
Type Fluid in Hole	GEL CHEM
Density	9.1
Viscosity	50
Fluid Loss	9ML
Source of Sample	FLOWLINE
Rm @ Meas. Temp.	.25 @ 65°F
Rmf @ Meas. Temp.	.2 @ 65°F
Rmc @ Meas. Temp.	.3 @ 65°F
Source of Rmf & Rmc	CALC
Rm @ BHT	.12 @ 150°F
Time Since Circ.	3 HRS
Max. Rec. Temp.	150°F
Equip. Location	3-5-49-5W
Recorded By	
Witnessed By	

DATE 23 OCT 1981

TYPE LOG NEUTRON/GAMMA RAY

690

EQUIPMENT DATA

GAMMA RAY		NEUTRON	
RUN NO.	TWO	RUN NO.	TWO
TOOL MODEL NO.	115	LOG TYPE	NEUTRON/NEUTRON
DIAMETER	3.1BCH	TOOL MODEL NO.	123
DETECTOR MODEL NO.		DIAMETER	3.1BCH
TYPE	SCINTILLATOR	DETECTOR MODEL NO.	
LENGTH	10.16CM	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	2.0M	LENGTH	
GENERAL		SOURCE MODEL NO.	MISC.N.SS.W
HOIST TRUCK NO.		SERIAL NO.	317
INSTRUMENT TRUCK NO.	132/703	SPACING	30.5CM
TOOL SERIAL NO.	123A055	TYPE	AmBe
		STRENGTH	3 CURIES

LOGGING DATA

RUN	GENERAL				GAMMA RAY				NEUTRON			
	DATUM		SPEED	T.C.	SENS	ZERO / API G. R. UNITS		T.C.	SENS	ZERO	API N. UNITS	
NO.	FROM	TO	M./MIN	SEC	BOTTOMS	DEV. L ON R	PER LOG DIV.	SEC	SETTINGS	DEV. L ON R	PER LOG DIV.	
TWO	122.1	180	6	3	100	0	10	3	1000	0	10	

REMARKS RUN THROUGH BIG HOLE. TOOL FAILED AT 17.5M

GAMMA RAY | Scale | NEUTRON

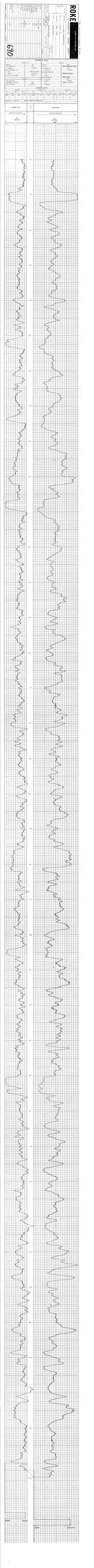
GAMMA RAY INCREASES | API | NEUTRON INCREASES | API

0 | 100 | 0 | 100 | 200

60 70 80 90 100 110 120 130 140 150 160 170

T.D.

100 CPS | 1000 CPS


ROKE
650

ROKE

GAMMA RAY NEUTRON LOG

COMPANY: CONTINENTAL OIL COMPANY

WELL: [illegible]

FIELD: [illegible]

COUNTY: [illegible]

STATE: [illegible]

LOCATION: [illegible]

Other Services: [illegible]

Permanent Datum: [illegible] Elevation: [illegible]

Log Measured From: [illegible] Above Perm. Datum

Drilling Measured From: [illegible]

Date	[illegible]	[illegible]	[illegible]
Run No.	[illegible]	[illegible]	[illegible]
Depth-Driller	[illegible]	[illegible]	[illegible]
Depth-Logger	[illegible]	[illegible]	[illegible]
Bottom Logged Interval	[illegible]	[illegible]	[illegible]
Top Logged Interval	[illegible]	[illegible]	[illegible]
Type Fluid in Hole	[illegible]	[illegible]	[illegible]
Salinity, PPM Cl	[illegible]	[illegible]	[illegible]
Density / Viscosity	[illegible]	[illegible]	[illegible]
pH / Fluid Loss	[illegible]	[illegible]	[illegible]
Source of Sample	[illegible]	[illegible]	[illegible]
Rm @ Meas. Temp.	[illegible]	[illegible]	[illegible]
Rmf @ Meas. Temp.	[illegible]	[illegible]	[illegible]
Rmc @ Meas. Temp.	[illegible]	[illegible]	[illegible]
Source Rmf / Rmc	[illegible]	[illegible]	[illegible]
Rm @ BHT	[illegible]	[illegible]	[illegible]
Time Since Circ.	[illegible]	[illegible]	[illegible]
Max. Rec. Temp.	[illegible]	[illegible]	[illegible]
Equipment No.	[illegible]	[illegible]	[illegible]
Location	[illegible]	[illegible]	[illegible]
Recorded By	[illegible]	[illegible]	[illegible]
Witnessed By	[illegible]	[illegible]	[illegible]

RUN 1 — 1-30-61 — 1-30-61 — 1-30-61

DENSITY-POROSITY COMBINATION — [illegible] — [illegible] — [illegible]

GAMMA RAY — [illegible] — [illegible] — [illegible]

NEUTRON — [illegible] — [illegible] — [illegible]

CASING COLLAR LOG — [illegible] — [illegible] — [illegible]

CALIPER — [illegible] — [illegible] — [illegible]

Bit Size — [illegible] — [illegible] — [illegible]

Type — [illegible] — [illegible] — [illegible]

From — [illegible] — [illegible] — [illegible]

To — [illegible] — [illegible] — [illegible]

Size — [illegible] — [illegible] — [illegible]

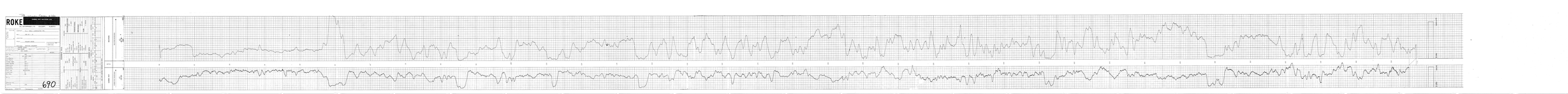
Wt. — [illegible] — [illegible] — [illegible]

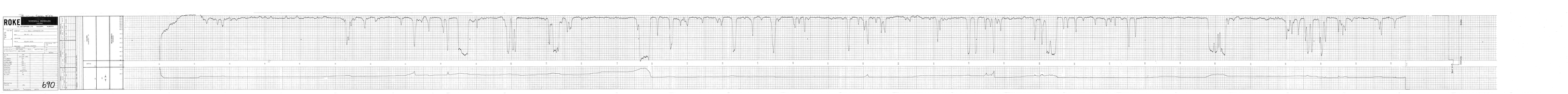
Type Joint — [illegible] — [illegible] — [illegible]

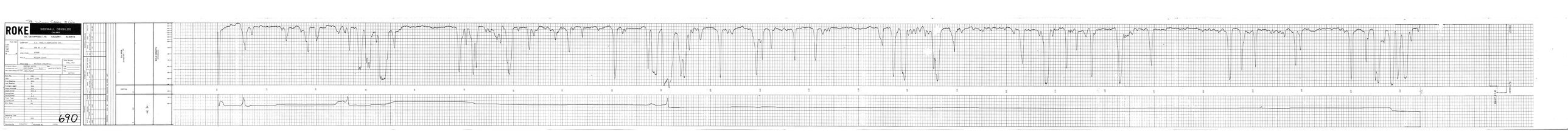
Top — [illegible] — [illegible] — [illegible]

Bottom — [illegible] — [illegible] — [illegible]

Type


ROKE
690


ROKE
SCHLUMBERGER
690


ROKE
SIDEWALL DENSILOG
COLUMN
OIL ENTERPRISES LTD.
CALGARY, ALBERTA
FILE NO.
COMPANY
WELL
LOCATION
FIELD
PROVINCE
COUNTRY
DATE
RUN NO.
DEPTH
DRILLER
LOGGER
BOTTOM 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
SOURCE RMC
RM @ BHT
TIME CIRC. STOPPED
TIME LOGGER ON BOTTOM
MAX. REC. TEMP.
EQUIP. NO.
LOCATION
RECORDED BY
WITNESSED BY
DENSITY
DEPTH
CALIPER
RESISTIVITY
ZERO
ZERO
690

ROKE

690

COMPANY	ROKE OIL & GAS PTY. LTD.
WELL	ROKE 2
FIELD	WILDCAT
COUNTY	
STATE	
LOCATION	
SEC	
TWP	
RGE	
OTHER SERVICES	
PERMANENT DATUM	GL
ELEV.	
LOG MEASURED FROM	KB 2.0 M ABOVE PERMANENT DATUM
DRILL MEASURED FROM	KB
API SERIAL NO.	

EQUIPMENT DATA

BOR. SIZE		BOR. SIZE	
TOTAL DEPTH - DRILLER	2.0	TOTAL DEPTH - LOGGER	2.0
BOTTOM LOG INTERVAL	2.0	TOP LOG INTERVAL	0.0
CASING - DRILLER		CASING - LOGGER	
BIT SIZE	8.5 INCH	BOTTOM CASING - LOG INTERVAL	
TYPE FLUID IN HOLE	WATER	TYPE FLUID IN HOLE	
DENSITY / VISCOSITY		DENSITY / VISCOSITY	
PH / FLUID LOSS		PH / FLUID LOSS	
SOURCE OF SAMPLE		SOURCE OF SAMPLE	
RM @ MEASURED TEMP.		RM @ MEASURED TEMP.	
RMF @ MEASURED TEMP.		RMF @ MEASURED TEMP.	
RMC @ MEASURED TEMP.		RMC @ MEASURED TEMP.	
SOURCE: RMF	RMC	SOURCE: RMF	RMC
RM @ BHT		RM @ BHT	
TIME SINCE CIRCULATION		TIME SINCE CIRCULATION	
TIME LOGGER ON BOTTOM		TIME LOGGER ON BOTTOM	
MAX. REC. TEMP.		MAX. REC. TEMP.	
EQUIP. NO.		EQUIP. NO.	
LOCATION		LOCATION	
RECORDED BY		RECORDED BY	
WITNESSED BY		WITNESSED BY	

NEUTRON/NEUTRON

MATRIX	LIMESTONE
DENSITY	2.71
PORE FLUID	
PROPRIETARY	
MATRIX	
DENSITY	
PORE FLUID	
DENSITY	1.000
SALINITY	0 PPM
FLUID LEVEL	2.0 FROM

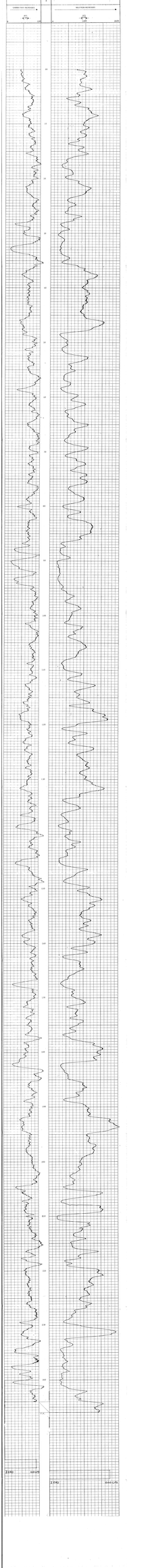
RUN NO. 1

CASING DATA

SIZE	WEIGHT	GRADE	THREAD	TOP	BOTTOM	SIZE	WEIGHT	GRADE	THREAD	TOP	BOTTOM

REMARKS: 1ST RUN - SINGLE CASING MODE 2ND

GAMMA RAY		NEUTRON	
GAMMA RAY NEUTRON		NEUTRON NEUTRON	
0	100	0	100



ROKE

ROSEMOUNT ENGINEERING CO. LTD.

ROKE
ROKE OIL LIMITED
SUITE 2300, 10 EAGLE SQUARE
LONDON SW1H 0RH

690

COMPANY	ROKE OIL LIMITED
WELL	30/16a-6
FIELD	
COUNTY	
STATE	
LOCATION	
SERVICE COMPANY	SCHLUMBERGER
RECORDED BY	
WITNESSED BY	
PERMANENT DATUM	GROUND LEVEL
ELEV.	0 FT. ABOVE PERM. DATUM
LOG MEASURED FROM	KELLY BUSHING
DRILLING MEASURED FROM	KELLY BUSHING
ELEV.	K.B. 0 FT. G.L. 0 FT. D.F. 0 FT.

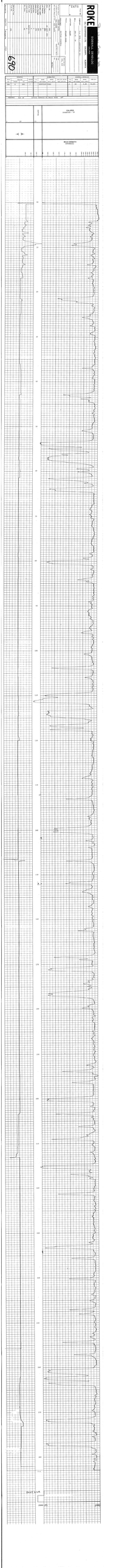
DATE	1-6-72
RUN NO.	ONE
TYPE LOG	INDUCTION-ELECTRICAL
DEPTH-DRILLER	2,000 FT.
DEPTH-LOGGER	2,000 FT.
BTM. LOG INTERVAL	1,999 FT.
TOP LOG INTERVAL	1,000 FT.
CASING-DRILLER	13 3/8" @ 1,000 FT.
CASING-LOGGER	1,000 FT.
BIT SIZE	12 1/4"
TYPE FLUID IN HOLE	GEL-CHEM
DENSITY	9.8 LB/GAL
VISCOSITY	40 SEC
PH	10.0
FLUID LOSS	4.0 C.C.
SOURCE OF SAMPLE	CIRCULATION
RM @ MEAS. TEMP.	0.25 @ 70 °F
RMF @ MEAS. TEMP.	0.25 @ 70 °F
RMC @ MEAS. TEMP.	0.25 @ 70 °F
SOURCE RMF & RMC	MEASURED
RM @ BHT	0.25 @ 70 °F
TIME SINCE CIRC.	4 HRS.
MAX. REC. TEMP.	70 °F
EQUIP. LOCATION	690
RECORDED BY	
WITNESSED BY	

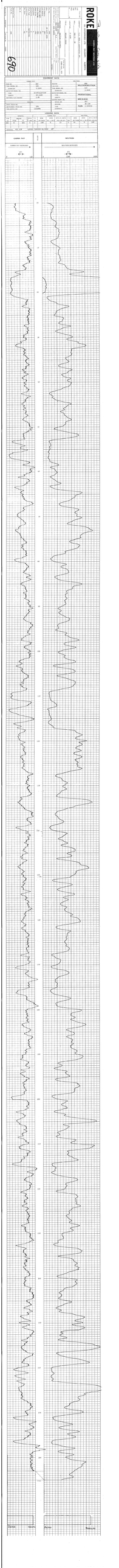
EQUIPMENT DATA

CASING REC.		MUD PUMP		MUD
RUN NO.	ONE	MAKE NO.		TYPE
TYPE RECORD. OR.	4 CHANNEL	SIZE		MUD RESISTIVITY (Rm)
RECORDER NO.	4 CHANNEL	MAKE NO.		@ MEAS. TEMP.
LOCATION	4 CHANNEL	SIZE		
	4 CHANNEL	MAKE NO.		PROPORTIONAL
STANDARD SCALE SETTING		SIZE		
		MAKE NO.		MUD SCALE
SPEED CHECK BEFORE		SPEED		Rm @ 70°F
SPEED CHECK AFTER	YES	PUMPS		FLUID 0.25Ω
SPEED CHECK BY	SCHLUMBERGER			

LOGGING DATA

| RUN | GENERAL | | |




ROKE
690

ROKE
SCHLUMBERGER
690

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

RUN NO.	BIT	FROM	TO	CASING (SIZE)	WGT.	GRADE	FROM	TO

RUN NO.	BIT	FROM	TO	CASING (SIZE)	WGT.	GRADE	FROM	TO

TYPE	DENS.	VISC.	PH	FLUID LOSS	SOURCE	RM @ MEAS. TEMP.	RMF @ MEAS. TEMP.	RMC @ MEAS. TEMP.	RM @ BHT

REMARKS: RUN FOR CALIPER TRACING ON BOOM
CALIPER ON BOOM

CALIPER
DIAMETER — IN

BULK DENSITY
(GAMMA)

SHOT 3.5

1000 SFL

ZERO

Pre-Willow Creek 81(3)a

ROKE

GAMMA RAY NEUTRON LOG

OIL ENTERPRISES LTD. CALGARY, ALBERTA

FILE NO.
LSD
SEC
TWP
RGE
W M

COMPANY G.A. NOEL & ASSOCIATES INC.

WELL DDH 81 - 40

LOCATION

FIELD WILLOW CREEK

PROVINCE BRITISH COLUMBIA

Other Services: DENS

Permanent Datum GROUND LEVEL Elev.
Log Measured from RIG FLOOR 0.3M Above Perm. Datum
Well Depths Measured from RIG FLOOR

K.B.
CSG
G.L.

METRIC

Run. No.	ONE		
Date	22 OCT 1981		
First Reading	40M		
Last Reading	0		
Footage Logged	40		
Depth Reached	44		
Depth Driller			
Casing Roke			
Casing Driller			
Fluid Type	WATER/GEL		
Liquid Level	0		
Min. Diam.	HQ		
Rm @			
Operating Time	10 MIN		
Truck No.	132/FU3		

690

Recorded By HILLIS Witnessed By MARTON

EQUIPMENT DATA

	GAMMA RAY	NEUTRON
RUN NO.	ONE	ONE
LOG TYPE		NEUTRON/NEUTRON
TOOL MODEL NO.	125	125
DIAMETER	3.18CM	3.18CM
DETECTOR MODEL NO.	SCINTILLATION	PROPORTIONAL
TYPE		
LENGTH	10.16CM	
DISTANCE TO N. SOURCE	2.0M	
SOURCE MODEL NO.		MRC-N-SS-W
SERIAL NO.		187
SPACING		38.1CM
TYPE		AmBe
STRENGTH		3 CURIES
HOIST TRUCK NO.	132/FU3	
INSTRUMENT TRUCK NO.		
TOOL SERIAL NO.	125A001	

LOGGING DATA

	GENERAL			GAMMA RAY				NEUTRON			
	DEPTHS		SPEED	T.C.	SENS		API G. R. UNITS	T. C.	SENS	ZERO	API N. UNITS
RUN NO.	FROM	TO	M /MIN	SEC.	SETTINGS	ZERO DIV., L OR R	PER LOG DIV.	SEC.	SETTINGS	DIV., L OR R	PER LOG DIV.
ONE	0	40	4	3	100	0	10	3	1000	0	120

REMARKS: LOGGED THROUGH HQ RODS

NEUTRON

NEUTRON INCREASES

API 120

2400

1200

0

DEPTHS

00 10 20 30

GAMMA RAY

GAMMA RAY INCREASES

API 100

100

0

ROKE
SCHLUMBERGER COMPANY
GAMMA RAY-NEUTRON LOG

690

COUNTY	
STATE	
LOCATION	
WELL	
FIELD	
COMPANY	

Permanent Datum	
Log Measured From	
Drilling Measured From	
Elevation	
Elevation	
Elevation	
Date	
Run No.	
Depth-Driller	
Depth-Logger	
Bottom Logged Interval	
Top Logged Interval	
Type Fluid in Hole	
Salinity, PPM Cl	
Density	
Level	
Max. Rec. Temp. Deg. F	
Operating Rig Time	
Recorded By	
Witnessed By	

Run No.	
Bit From	
Bit To	
Size	
Type	
Weight	
Viscosity	
pH	
Fluid Loss	
Source of Sample	
R @ Meas. Temp.	
R @ Meas. Temp.	
R @ Meas. Temp.	
Source of R / R	
R @ BHT	
Time Since Circ.	
Max. Rec. Temp.	
Equip. Location	
Recorded By	
Witnessed By	

Run No.	
Type Log	
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	
R @ Meas. Temp.	
R @ Meas. Temp.	
R @ Meas. Temp.	
Source of R / R	
R @ BHT	
Time Since Circ.	
Max. Rec. Temp.	
Equip. Location	
Recorded By	
Witnessed By	

EQUIPMENT DATA

GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE
LOG. MODEL NO.	111	LOG. MODEL NO.	NEUTRON/NEUTRON
SONDE NO.	1-5808	SONDE NO.	111
		DETECTOR NO.	1-5808
TYPE	SCINTILLATION	SPACING	
SIZE	10 CASE	SOURCE STRENGTH	PROPORTIONAL
LOCATION (F.B./SONDE)	F/B	LOCATION (F.B./SONDE)	
		SOURCE NORMAL	MNC N 50 M
RECORDER		SPECIAL NO.	50
SONIC RUN NO.		SPECIAL	M 100
ELECTRODE CHG'R NO.	ONE	SONIC	Audio
LOG. SPACING NO.	1320/80	CENTRAL	1-5808/80

LOGGING DATA

GAMMA RAY						NEUTRON					
RUN	SPEED	TIME CONST.	SENSITIVITY	SCALE		SPEED	SENSITIVITY	SCALE			
NO.	FT/MIN	SEC	MV/DIV	MV/IN	DIV/IN	FT/MIN	MV/DIV	MV/IN	DIV/IN		
ONE	30	3	1.0	1.0	1	30	1.0	1.0	1		

REMARKS: RUN ONE CASING THROUGH BOX WATER BOARD

GAMMA RAY

NEUTRON

GAMMA RAY INCREASES

NEUTRON INCREASES

API
0 — 100

API
0 — 4000

Scale: Change in counter level 1/2"

1600 — 4000

1700

1800

1900

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

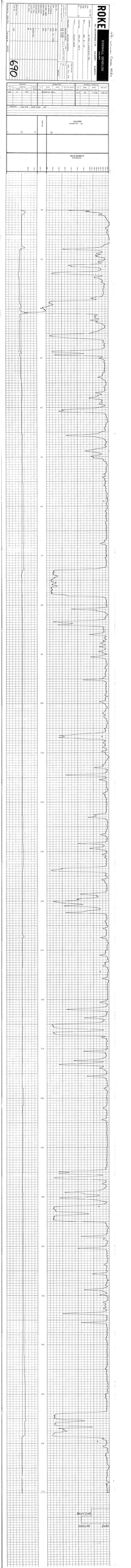
5500

5600

ROKE

TECHNICAL SERVICES LIMITED

690



ROKE

GAMMA RAY NEUTRON LOG

Schlumberger

Company Phillips Petroleum Co.

Well Name and No. Conoco 30-12A

Field Wilmington

County Los Angeles State California

Location: Other Services

Permanent Datum: Elev.: 30 ft. above Sea Level

Log Measured From: Kelly Bushing 10 ft. above Perm. Datum

Drilling Measured From: Kelly Bushing

Elev.: K.B. 40 D.F. G.L.

Date: 6-15-60

Run No. One

Type Log: Gamma Ray Neutron

Depth-Driller: 6700

Depth-Logger: 6700

Bottom Logged Interval: 6700

Top Logged Interval: 5000

Type Fluid in Hole: Oil

Salinity, P.P.M. Cl: 1,000

Density: 9.2

Level: Full

Max. Rec. Temp. Deg. F.: 200

Operating Rig Time: 12 hrs.

Recorded By: Hall

Witnessed By: Mr. Bolton

6769

EQUIPMENT DATA

GAMMA RAY	
Run No.	One
Log Detector No.	2.5 CR
Scale Set	0-100
Log	AUTOMATIC
Correct	10 Cu. Ft.
Calibrator S.N. (Depth)	
Logging S.N. (Depth)	726
Calibrator S.N. (Depth)	1000

NEUTRON	
Run No.	One
Log Detector No.	171
Scale Set	0-0
Neutron Source No.	
Log	PROPORTIONAL
Correct	
Source Strength	MILLICURIE
Spacing	
Log	PAIRS
Calibrator S.N. (Depth)	1,000,000

CASING DATA

CASING													TUBING											
SIZE	WEIGHT	GRADE	THREAD	TOP	BOTTOM	NO. OF JTS.	CEMENT	TOP	BOTTOM	SIZE	WEIGHT	GRADE	THREAD	TOP	BOTTOM	NO. OF JTS.	CEMENT	TOP	BOTTOM	SIZE	WEIGHT	GRADE	THREAD	TOP	BOTTOM	NO. OF JTS.	CEMENT	TOP	BOTTOM
10 3/4	40.5			0	1000					7	23			0	5000					2				0	6700				
7	23			0	6700																								

REMARKS

Kelly Bushing Elevation 30 ft. above Sea Level

GAMMA RAY

CORRELATION

NEUTRON

GAMMA RAY NEUTRON

0 API UNITS 100

NEUTRON MICROSECS

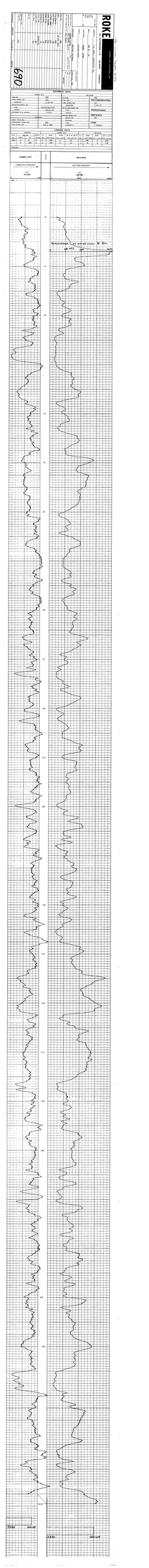
0 1000

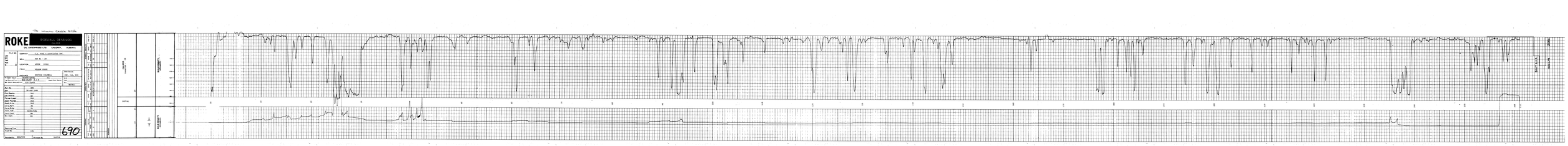
1 in = 100 ft

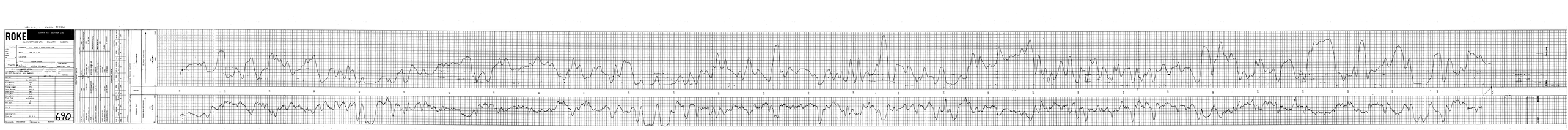
1 in = 100 ft

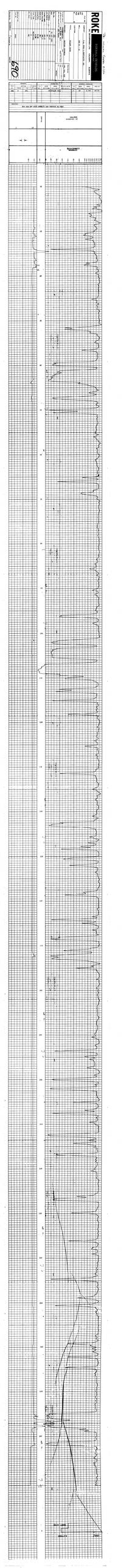
1 in = 100 ft

1 in = 100 ft

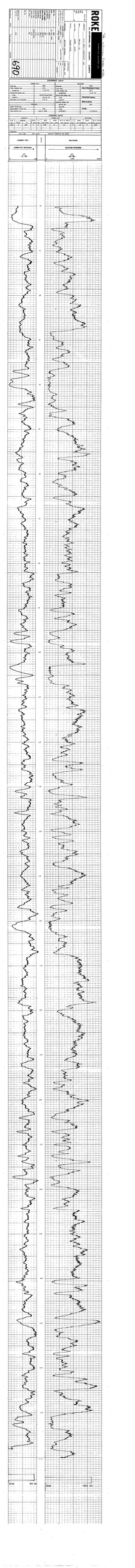

ROKE
Roke Technologies Ltd.
Tel: 01483 761 111
Fax: 01483 761 222
Email: info@roke.co.uk
Web: www.roke.co.uk
Unit 8, Wenman Road, Thame Business Centre, Thame, Oxfordshire, OX9 3XA, UK
WELL
FIELD
COUNTY
STATE
COMPANY
LOCATION
Other Services
Permanent Datum
Elev.: K.B.
D.F.
G.L.
Log Measured From
Drilling Measured From
Date
Run No.
Depth-Driller
Depth-Logger
Bottom Logged Interval
Top Logged Interval
Type Fluid in Hole
Salinity, PPM Cl
Density
Level
Max. Rec. Temp. Deg. F.
Equip. No. & Location
Recorded By
Witnessed By
049
EQUIPMENT DATA
CASING REC.
Bit No.
From
To
Size
Wgt.
Grade
Type Joint
CASING SIZE
CASING WGT.
CASING DEPTH
TUBING
TUBING SIZE
TUBING WGT.
TUBING DEPTH
TYPE FLUID IN HOLE
DENSITY
VISCOSITY
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
LOGGING DATA
PASS
TYPE LOG
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 OF RMF
SOURCE OF RMC
RM @ BHT
TIME SINCE CIRC.
MAX. REC. TEMP.
EQUIP. LOCATION
RECORDED BY
WITNESSED BY
REMARKS
GAMMA RAY
NEUTRON
GAMMA RAY NEUTRON
NEUTRON NEUTRON
Sandstone or similar
Limestone
Dolomite
Anhydrite
Salt
Coal
Shale
Gypsum
Clay
Sandy Shale
Calcareous Shale
Dolomitic Shale
Anhydritic Shale
Gypsy Shale
Coaly Shale
Sandy Limestone
Shaly Limestone
Sandy Dolomite
Shaly Dolomite
Sandy Anhydrite
Shaly Anhydrite
Sandy Gypsum
Shaly Gypsum
Sandy Coal
Shaly Coal
Sandy Clay
Calcareous Clay
Dolomitic Clay
Anhydritic Clay
Gypsy Clay
Coaly Clay
Limestone
Dolomite
Anhydrite
Salt
Coal
Shale
Gypsum
Clay
Sandy Shale
Calcareous Shale
Dolomitic Shale
Anhydritic Shale
Gypsy Shale
Coaly Shale
Sandy Limestone
Shaly Limestone
Sandy Dolomite
Shaly Dolomite
Sandy Anhydrite
Shaly Anhydrite
Sandy Gypsum
Shaly Gypsum
Sandy Coal
Shaly Coal
Sandy Clay
Calcareous Clay
Dolomitic Clay
Anhydritic Clay
Gypsy Clay
Coaly Clay

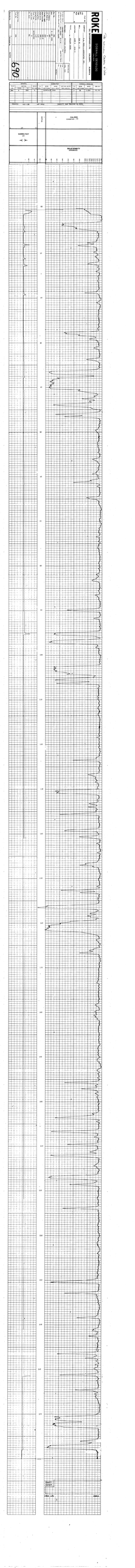

ROKE
BIRDWELL DIVISION
CALGARY, ALBERTA
COMPANY
WELL
LOCATION
FIELD
COUNTY
PROVINCE
BRITISH COLUMBIA
COUNTRY
CANADA
690


ROKE
CHARLES RAY NEUTRON, LTD.
OIL ENTERPRISES LTD. CALGARY, ALBERTA
690


ROKE
Schlumberger
Company ESSO
Well 219
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
Level
Max. Rec. Temp.
Equip. No.
Location
Recorded By
Witnessed By
RUN BIT CASING LOGGER
SIZE FROM TO SIZE WGT. FROM TO
BORE HOLE RECORD
CASING RECORD
RM @ MEAS. TEMP.
RMF @ MEAS. TEMP.
RMC @ MEAS. TEMP.
SOURCE OF RMF
SOURCE OF RMC
RM @ BHT
TIME SINCE CIRC.
TIME ON BOTTOM
MAX. REC. TEMP.
EQUIP. LOCATION
RECORDED BY
WITNESSED BY
RESISTIVITY
SPONTANEOUS POTENTIAL
GAMMA RAY
CALIPER
DEPTH
SCALE
CALIPER
GAMMA RAY
SPONTANEOUS POTENTIAL
RESISTIVITY
RUN NO. DATE
TYPE LOG
DEPTH-DRILLER
DEPTH-LOGGER
BTM. LOG INTERVAL
TOP LOG INTERVAL
CASING-DRILLER
CASING-LOGGER
BIT SIZE
TYPE FLUID IN HOLE
DENSITY
VISCOSITY
PH
FLUID LOSS
SOURCE OF SAMPLE
RM @ MEAS. TEMP.
RMF @ MEAS. TEMP.
RMC @ MEAS. TEMP.
SOURCE RMF
SOURCE RMC
RM @ BHT
TIME CIRC.
TIME LOGGER ON BOTTOM
MAX. REC. TEMP.
EQUIP. NO.
LOCATION
RECORDED BY
WITNESSED BY
RUN BIT CASING LOGGER
SIZE FROM TO SIZE WGT. FROM TO
BORE HOLE RECORD
CASING RECORD
RM @ MEAS. TEMP.
RMF @ MEAS. TEMP.
RMC @ MEAS. TEMP.
SOURCE OF RMF
SOURCE OF RMC
RM @ BHT
TIME SINCE CIRC.
TIME ON BOTTOM
MAX. REC. TEMP.
EQUIP. LOCATION
RECORDED BY
WITNESSED BY
RESISTIVITY
SPONTANEOUS POTENTIAL
GAMMA RAY
CALIPER
DEPTH
SCALE
CALIPER
GAMMA RAY
SPONTANEOUS POTENTIAL
RESISTIVITY
RUN NO. DATE
TYPE LOG
DEPTH-DRILLER
DEPTH-LOGGER
BTM. LOG INTERVAL
TOP LOG INTERVAL
CASING-DRILLER
CASING-LOGGER
BIT SIZE
TYPE FLUID IN HOLE
DENSITY
VISCOSITY
PH
FLUID LOSS
SOURCE OF SAMPLE
RM @ MEAS. TEMP.
RMF @ MEAS. TEMP.
RMC @ MEAS. TEMP.
SOURCE RMF
SOURCE RMC
RM @ BHT
TIME CIRC.
TIME LOGGER ON BOTTOM
MAX. REC. TEMP.
EQUIP. NO.
LOCATION
RECORDED BY
WITNESSED BY
REMARKS:
RUN AND BIT SIZES CORRECT FOR THICKNESS OF MUDCAKE
CALIPER
GAMMA RAY
SPONTANEOUS POTENTIAL
RESISTIVITY
BLUE DIAMOND
MEASUREMENT
CALIPER
GAMMA RAY
SPONTANEOUS POTENTIAL
RESISTIVITY
RUN NO. DATE
TYPE LOG
DEPTH-DRILLER
DEPTH-LOGGER
BTM. LOG INTERVAL
TOP LOG INTERVAL
CASING-DRILLER
CASING-LOGGER
BIT SIZE
TYPE FLUID IN HOLE
DENSITY
VISCOSITY
PH
FLUID LOSS
SOURCE OF SAMPLE
RM @ MEAS. TEMP.
RMF @ MEAS. TEMP.
RMC @ MEAS. TEMP.
SOURCE RMF
SOURCE RMC
RM @ BHT
TIME CIRC.
TIME LOGGER ON BOTTOM
MAX. REC. TEMP.
EQUIP. NO.
LOCATION
RECORDED BY
WITNESSED BY
RUN BIT CASING LOGGER
SIZE FROM TO SIZE WGT. FROM TO
BORE HOLE RECORD
CASING RECORD
RM @ MEAS. TEMP.
RMF @ MEAS. TEMP.
RMC @ MEAS. TEMP.
SOURCE OF RMF
SOURCE OF RMC
RM @ BHT
TIME SINCE CIRC.
TIME ON BOTTOM
MAX. REC. TEMP.
EQUIP. LOCATION
RECORDED BY
WITNESSED BY
RESISTIVITY
SPONTANEOUS POTENTIAL
GAMMA RAY
CALIPER
DEPTH
SCALE
CALIPER
GAMMA RAY
SPONTANEOUS POTENTIAL
RESISTIVITY
RUN NO. DATE
TYPE LOG
DEPTH-DRILLER
DEPTH-LOGGER
BTM. LOG INTERVAL
TOP LOG INTERVAL
CASING-DRILLER
CASING-LOGGER
BIT SIZE
TYPE FLUID IN HOLE
DENSITY
VISCOSITY
PH
FLUID LOSS
SOURCE OF SAMPLE
RM @ MEAS. TEMP.
RMF @ MEAS. TEMP.
RMC @ MEAS. TEMP.
SOURCE RMF
SOURCE RMC
RM @ BHT
TIME CIRC.
TIME LOGGER ON BOTTOM
MAX. REC. TEMP.
EQUIP. NO.
LOCATION
RECORDED BY
WITNESSED BY
REMARKS:
RUN AND BIT SIZES CORRECT FOR THICKNESS OF MUDCAKE
CALIPER
GAMMA RAY
SPONTANEOUS POTENTIAL
RESISTIVITY
BLUE DIAMOND
MEASUREMENT
RUN 1 DATE 7-1-64
DEPTH-DRILLER 7560
DEPTH-LOGGER 7560
BTM. LOG INTERVAL 7560
TOP LOG INTERVAL 7000
CASING-DRILLER 13 3/8 @ 1000
CASING-LOGGER 1000
BIT SIZE 12 1/4
TYPE FLUID IN HOLE LIGNOSULFONATE
DENSITY 10.2
VISCOSITY 40
PH 11.5
FLUID LOSS 6.0
SOURCE OF SAMPLE CIRC. SYSTEM
RM @ MEAS. TEMP. .19 @ 150
RMF @ MEAS. TEMP. .15 @ 150
RMC @ MEAS. TEMP. .25 @ 150
SOURCE RMF MEAS.
SOURCE RMC MEAS.
RM @ BHT .10 @ 220
TIME CIRC. 12 HRS.
TIME LOGGER ON BOTTOM 0600
MAX. REC. TEMP. 220
EQUIP. NO. 1
LOCATION
RECORDED BY
WITNESSED BY
RUN 1 DATE 7-1-64
DEPTH-DRILLER 7560
DEPTH-LOGGER 7560
BTM. LOG INTERVAL 7560
TOP LOG INTERVAL 7000
CASING-DRILLER 13 3/8 @ 1000
CASING-LOGGER 1000
BIT SIZE 12 1/4
TYPE FLUID IN HOLE LIGNOSULFONATE
DENSITY 10.2
VISCOSITY 40
PH 11.5
FLUID LOSS 6.0
SOURCE OF SAMPLE CIRC. SYSTEM
RM @ MEAS. TEMP. .19 @ 150
RMF @ MEAS. TEMP. .15 @ 150
RMC @ MEAS. TEMP. .25 @ 150
SOURCE RMF MEAS.
SOURCE RMC MEAS.
RM @ BHT .10 @ 220
TIME CIRC. 12 HRS.
TIME LOGGER ON BOTTOM 0600
MAX. REC. TEMP. 220
EQUIP. NO. 1
LOCATION
RECORDED BY
WITNESSED BY

| | | |


ROKE
690
EQUIPMENT DATA
CASING DATA
CEMENTING DATA
CASING RAY RECORDED
NEUTRON RECORDED
EXTRA
EXTRA



ROKE

Core Laboratories, Inc.

WELL LOG

COMPANY	
WELL	
FIELD	
COUNTY	
STATE	
LOCATION	
SECTION	
TOWNSHIP	
RANGE	
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	RMC
RM @ BHT	
TIME CIRC.	
TIME SINCE CIRC.	
MAX. REC. TEMP.	
EQUIP. NO. LOCATION	
RECORDED BY	
WITNESSED BY	

RUN NO. 1

BOREHOLE RECORD	
BIT NO.	
FROM	
TO	
CASING RECORD	
SIZE	
WGT.	
FROM	
TO	

Core Laboratories, Houston, Texas

EQUIPMENT DATA

GAMMA RAY	NEUTRON
RUN NO.	RUN NO.
TOOL MODEL NO.	410
TOOL SERIAL NO.	TOOL TYPE
DETECTOR MODEL NO.	NEUTRON-NEUTRON
DETECTOR SERIAL NO.	SOURCE
TYPE	1.5 Ci Ra
ACCENTUATION	DETECTOR MODEL NO.
DISTANCE TO SOURCE	4
	DETECTOR
	PROPORTIONAL
	DETECTOR MODEL NO.
	MICA-MIX
	SERIAL NO.
	137
GENERAL	
ANGLE (HOLE) DEG.	
TOOL SERIAL NO.	410
TOOL MODEL NO.	410 & 350
	DISTANCE
	2 1/2 FEET

ORIGINAL DATA

GAMMA RAY						NEUTRON					
RUN	DATE	SPEED	TC	SENS	SCALE	RUN	DATE	SPEED	TC	SENS	SCALE
1	7-1-59	3 FPM	3	100	0	1	7-1-59	3 FPM	3	10	0
2	7-1-59	3 FPM	3	100	0	2	7-1-59	3 FPM	3	10	0

GENERAL

SEC. 8 BP

DIP MADE

GAMMA RAY

NEUTRON

GAMMA RAY INCREASES

NEUTRON INCREASES

0 API 100

0 1.95 0

0 1.95 0

0 API 100

0 1.95 0

0 1.95 0

5400

5500

5600

5700

5800

5900

6000

6100

6200

6300

6400

6500

6600

6700

6800

6900

7000

7100

7200

7300

7400

7500

7600

7700

7800

7900

8000

8100

8200

8300

8400

8500

8600

8700

8800

8900

9000

9100

9200

9300

ROKE

TECHNOLOGY CENTRE
ROKE
SURREY
GU5 0SX

| | | |

ROKE
SIDEWALL DENSILOG
LOG
ROKE OIL ENTERPRISES LTD. CALGARY, ALBERTA
COMPANY
WELL
LOCATION
FIELD
PROVINCE
DENSITY
NEUTRON
GAMMA RAY
CALIPER
690

ROKE

ROKE OIL & GAS PTY. LTD.
ROKE HOUSE, 10 ULTIMO ROAD, ROSE BAY, N.S.W. 2029
TELEPHONE 371 2222

WELL LOCATION PLAN

WELL NAME: [illegible]
LOCATION: [illegible]
DATE: [illegible]

EQUIPMENT DATA

CASING NO.	1
CASING DIAM. (ins.)	7 5/8
CASING DEPTH	22 ft
CASING WEIGHT (lbs/ft)	24
CASING TYPE	[illegible]
CASING GRADE	[illegible]
CASING JOINTS	[illegible]
CASING SHOE	[illegible]
CASING COLLAR	[illegible]
CASING STRING	[illegible]
CASING CUT	[illegible]
CASING PULLED	[illegible]
CASING LEFT	[illegible]
CASING CEMENTED	[illegible]
CASING TOP	[illegible]
CASING BOTTOM	[illegible]
CASING PERFORATIONS	[illegible]
CASING SQUEEZED	[illegible]
CASING PLUGS	[illegible]
CASING REMARKS	[illegible]

RUN No.	ONE
DATE	[illegible]
TOOL TYPE	NEUTRON/NEUTRON
TOOL MODEL NO.	[illegible]
TOOL SERIAL NO.	22 ins
SOURCE TYPE	[illegible]
SOURCE MODEL NO.	[illegible]
SOURCE SERIAL NO.	[illegible]
SOURCE STRENGTH	[illegible]
DETECTOR	PROPORTIONAL
DETECTOR MODEL NO.	[illegible]
DETECTOR SERIAL NO.	NEUTRON
SPACING	18 ins
MUD TYPE	[illegible]
MUD WEIGHT	9.1 PPG

LOGGING DATA

| CASING DATA | | | | | | | | | | | | | | RECORDED | | | | | | | | | | | | | |

ROKE

COMPANY
WELL
FIELD
COUNTY
STATE
LOCATION
SECTION
TOWNSHIP
RANGE
PERMANENT DATUM
ELEVATION
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
SOURCE RMC
RM @ BHT
TIME SINCE CIRC.
MAX. REC. TEMP.
EQUIP. LOCATION
RECORDED BY
WITNESSED BY

69

RUN NO. ONE

DATE	
TYPE LOG	GAMMA RAY-NEUTRON
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	
SOURCE RMC	
RM @ BHT	
TIME SINCE CIRC.	
MAX. REC. TEMP.	
EQUIP. LOCATION	
RECORDED BY	
WITNESSED BY	

RUN NO. TWO

DATE	
TYPE LOG	NEUTRON-FORMATION DENSITY
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	
SOURCE RMC	
RM @ BHT	
TIME SINCE CIRC.	
MAX. REC. TEMP.	
EQUIP. LOCATION	
RECORDED BY	
WITNESSED BY	

RUN NO. THREE

DATE	
TYPE LOG	PROPRIETARY
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	
SOURCE RMC	
RM @ BHT	
TIME SINCE CIRC.	
MAX. REC. TEMP.	
EQUIP. LOCATION	
RECORDED BY	
WITNESSED BY	

EQUIPMENT DATA

RUN NO.	BIT SIZE	CASING-DRILLER	CASING-LOGGER	TYPE FLUID IN HOLE	DENSITY	VISCOSITY	PH	FLUID LOSS	RM @ MEAS. TEMP.	SOURCE OF SAMPLE	RMF @ MEAS. TEMP.	RMC @ MEAS. TEMP.	SOURCE RMF	SOURCE RMC	RM @ BHT	TIME SINCE CIRC.	MAX. REC. TEMP.	EQUIP. LOCATION	RECORDED BY	WITNESSED BY
ONE																				
TWO																				
THREE																				

GAMMA RAY

NEUTRON

GAMMA RAY-NEUTRON

NEUTRON-FORMATION DENSITY

BASE LINE

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

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

6000

6100

6200

6300

6400

6500

6600

6700

6800

6900

7000

7100

7200

7300

7400

7500

7600

7700

7800

7900

8000

8100

8200

8300

8400

8500

8600

8700

8800

8900

9000

9100

9200

9300

9400

9500

9600

9700

9800

9900

10000

10100

10200

10300

10400

10500

10600

10700

10800

10900

11000

11100

11200

11300

11400

11500

11600

11700

11800

11900

12000

12100

12200

12300

12400

12500

12600

12700

12800

12900

13000

13100

13200

13300

13400

13500

13600

13700

13800

13900

14000

14100

14200

14300

14400

14500

14600

14700

14800

14900

15000

15100

15200

15300

15400

15500

15600

15700

15800

15900

16000

16100

16200

16300

16400

16500

16600

16700

16800

16900

17000

17100

17200

17300

17400

17500

17600

17700

17800

17900

18000

18100

18200

18300

18400

18500

18600

18700

18800

18900

19000

19100

19200

19300

19400

19500

19600

19700

19800

19900

20000

20100

20200

20300

20400

20500

20600

20700

20800

20900

21000

21100

21200

21300

21400

21500

21600

21700

21800

21900

22000

22100

22200

22300

22400

22500

22600

22700

22800

22900

23000

23100

23200

23300

23400

23500

23600

23700

23800

23900

24000

24100

24200

24300

24400

24500

24600

24700

24800

24900

25000

25100

25200

25300

25400

25500

25600

25700

25800

25900

26000

26100

26200

26300

26400

26500

26600

26700

26800

26900

27000

27100

27200

27300

27400

27500

27600

27700

27800

27900

28000

28100

28200

28300

28400

28500

28600

28700

28800

28900

29000

29100

29200

29300

29400

29500

29600

29700

29800

29900

30000

30100

30200

30300

30400

30500

30600

30700

30800

30900

31000

31100

31200

31300

31400

31500

31600

31700

31800

31900

32000

32100

32200

32300

32400

32500

32600

32700

32800

32900

33000

33100

33200

33300

33400

33500

33600

33700

33800

33900

34000

34100

34200

34300

34400

34500

34600

34700

34800

34900

35000

35100

35200

35300

35400

35500

35600

35700

35800

35900

36000

36100

36200

36300

36400

36500

36600

36700

36800

36900

37000

37100

37200

37300

37400

37500

37600

37700

37800

37900

38000

38100

38200

38300

38400

38500

38600

38700

38800

38900

39000

39100

39200

39300

39400

39500

39600

39700

39800

39900

40000

40100

40200

40300

40400

40500

40600

40700

40800

40900

41000

41100

41200

41300

41400

41500

41600

41700

41800

41900

42000

42100

42200

42300

42400

42500

42600

42700

42800

42900

43000

43100

43200

43300

43400

43500

43600

43700

43800

43900

44000

44100

44200

44300

44400

44500

44600

44700

44800

44900

45000

45100

45200

45300

45400

45500

45600

45700

45800

45900

46000

46100

46200

46300

46400

46500

46600

46700

46800

46900

47000

47100

47200

47300

47400

47500

47600

47700

47800

47900

48000

48100

48200

48300

48400

48500

48600

48700

48800

48900

49000

49100

49200

49300

49400

49500

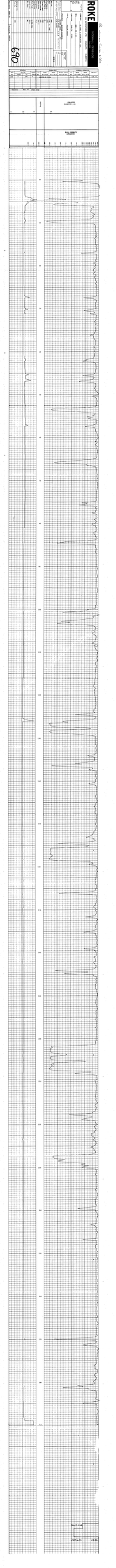
49600

49700

49800

49900

50000


ROKE
610
2000 ft
2000

ROKE
ROKE OIL LTD.
SUITE 1000, 736 - 6th AVE. S.W.
CALGARY, ALBERTA
T2P 3T7

679

WELL	ROKE CORAL RIVER
LOCATION	10-25-23-5
FIELD	WILDCAT
PROVINCE	ALBERTA
COUNTRY	CANADA

API No.	
Other Services	
Permanent Datum	GROUND LEVEL
Elevation	K.B. 1,230 ft.
	D.F.
	G.L. 1,220 ft.
Log Measured From	K.B. 10 ft. above P.D.
Drilling Measured From	K.B.
Date	1-7-82
Run No.	ONE
Depth-Driller	2,150 ft.
Depth-Logger	2,150 ft.
Bottom Logged Interval	2,150 ft.
Top Logged Interval	1,000 ft.
Type Fluid in Hole	GEL CHEM
Salinity, PPM Cl	
Density, lb/gal	9.2
Viscosity, sec	40
Fluid Loss, cc/30 min	8.8
Source of Sample	CIRC.
Rm @ Meas. Temp.	1.0 @ 70°F
Rmf @ Meas. Temp.	0.75 @ 70°F
Rmc @ Meas. Temp.	1.5 @ 70°F
Source of Rmf & Rmc	CALC.
Rm @ BHT	0.5 @ 150°F
Time Since Circ.	12 HRS.
Max. Rec. Temp.	150°F
Equip. Location	10-25-23-5
Recorded By	R. MOORE
Witnessed By	

EQUIPMENT DATA

LOGGING No.	
TYPE LOG	DUAL INDUCTION
MAX. REC. TEMP.	150°F
EQUIP. No.	22, 24
LOCATION	CALGARY
RECORDED BY	R. MOORE
WITNESSED BY	MR. K.W.R.

RUN No.	ONE
TYPE LOG	D.I.L.
DEPTH-DRILLER	2,150 ft.
DEPTH-LOGGER	2,150 ft.
BTM. LOG INTERVAL	2,150 ft.
TOP LOG INTERVAL	1,000 ft.
CASING-DRILLER	8 5/8" @ 1,000 ft.
CASING-LOGGER	1,000 ft.
BIT SIZE	7 7/8"
TYPE FLUID IN HOLE	GEL CHEM
DENS.	9.2
VISC.	40
PH	8.8
FLUID LOSS	8 cc/30 min
SOURCE OF SAMPLE	CIRC.
RM @ MEAS. TEMP.	1.0 @ 70°F
RMF @ MEAS. TEMP.	0.75 @ 70°F
RMC @ MEAS. TEMP.	1.5 @ 70°F
SOURCE RMF & RMC	CALC.
RM @ BHT	0.5 @ 150°F
TIME CIRC.	12 HRS.
MAX. REC. TEMP.	150°F
EQUIP. LOCATION	10-25-23-5
RECORDED BY	R. MOORE
WITNESSED BY	MR. K.W.R.

CASING DATA

BIT SIZE	FROM	TO	SIZE	WEIGHT	GRADE	FROM	TO	SIZE	WEIGHT	GRADE	FROM	TO
7 7/8"	1,000	2,150	8 5/8"	24	J-55	0	1,000					

TUBING DATA

SIZE	WEIGHT	GRADE	FROM	TO
2 7/8"	6.5	J-55	0	1,000

REMARKS

RUN ONE RECORDED AT 1 INCH = 100 FEET

GAMMA RAY — CALIPER — SELECTION

RESISTIVITY — SPONTANEOUS POTENTIAL

Roke Coral River 10-25-23-5
W.4th Meridian

Top Log @ 1,000 ft.

Total Log @ 2,150 ft.

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2150

ROKE

690

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

EQUIPMENT DATA

RUN NO.	
TYPE LOG	INDUCTION ELECTRICAL
MAX. REC. TEMP.	
EQUIP. LOCATION	
RECORDED BY	PROFESSIONAL
WITNESSED BY	RECEIVED
RUN NO.	
TYPE LOG	
MAX. REC. TEMP.	
EQUIP. LOCATION	
RECORDED BY	
WITNESSED BY	

RUN NO.	BIT	FROM	TO	FEET	HOURS	SIZE	MAKE	TYPE	FROM	TO

RUN NO.	BIT	FROM	TO	FEET	HOURS	SIZE	MAKE	TYPE	FROM	TO

REMARKS

GAMMA RAY

0 API 100

RESISTIVITY

0.2 OHMS 2000

SPONTANEOUS POTENTIAL

-80 MV 20

LATERAL LOG - 8

0.2 OHMS 2000