C

C'

(1) SCHLUMBERGER — BOREHOLE COMPENSATED SONIC LOG

COMPANY BANFF OIL LTD.
WELL BANFF AQUIT RAM RIVER
FIELD WILDCAT
PROVINCE ALBERTA
LOCATION LSD 7 SEC 27 TWP 109 RGE 5W5
Other Services: DIL, FDC, GR
Log Measured From KB 4.5 ft. Above Perm. Datum — Elev.: K.B. 4264 ft., D.F. 4263 ft., G.L. 4254 ft.
Drilling Measured From KB — Elev.: K.B. 4264 ft.

Date	18-JAN-73
Run No.	ONE
Depth Driller	13874
Depth Logger	13874
Bottom Logged Interval	13851
Top Logged Interval	4265
Type Fluid in Hole	LIGNOSOL
Salinity, PPM Cl	1100
Density	10.2
Level	FULL
Max. Rec. Temp.	245 °F
Equip. Location	0411
Recorded By	R. KAY
Witnessed By	MR. MACKAY

Run No.	ONE		
Bit Size	8 3/4"		
Type	J	J	
Gel Dg. Time	4 MIN		
Gel Dg. Temp.	200 F		
Recorded By	LAMAY		
Witnessed By	LEWIS		

(2) SCHLUMBERGER — BOREHOLE COMPENSATED SONIC LOG

COMPANY GULF OIL CANADA LIMITED
WELL GOLD STACHAN
FIELD WILDCAT
PROVINCE ALBERTA
LOCATION LSD 14 SEC 21 TWP 38 RGE 13W5
Other Services: DIL, FDC, GR, CBL, VDL, CYBERLOOK
Log Measured From KB 10 ft. Above Perm. Datum — Elev.: K.B. 4257.5
Drilling Measured From KB — Elev.: K.B. 4257.5

Date	19 NOV 68	20 NOV 68
Run No.	ONE	TWO
Depth Driller	7500	13625
Depth Logger	7504	13628
Bottom Logged Interval	7500	13625
Top Logged Interval	1500	7400
Type Fluid in Hole	LIGNOSOL	LIGNOSOL
Salinity, PPM Cl	1100	1100
Density	10.2	10.2
Level	FULL	FULL
Max. Rec. Temp.	165	245
Equip. Location	0411	0411
Recorded By	R. KAY	R. KAY
Witnessed By	MR. MACKAY	MR. MACKAY

Run No.	ONE		
Bit Size	8 3/4"	8 3/4"	
Type	J	J	J
Gel Dg. Time	4 MIN	5 MIN	
Gel Dg. Temp.	200 F	200 F	
Recorded By	ANDERSON	ANDERSON	
Witnessed By	SCHNOVER	PATTEN & SLOBODZIEN	

(3) SCHLUMBERGER — BOREHOLE COMPENSATED SONIC LOG

COMPANY PACIFIC PETROLEUMS LTD.
WELL PACIFIC RAM CREEK
FIELD WILDCAT
PROVINCE ALBERTA
LOCATION LSD 6 SEC 16 TWP 43 RGE 22W5
Other Services: FDC, CNL, FDN, SFL
Log Measured From KB 10 ft. Above Perm. Datum — Elev.: K.B. 4009.4
Drilling Measured From KB — Elev.: K.B. 4009.4

Date	SEPT. 22/70	NOV. 14/70
Run No.	ONE	TWO
Depth Driller	11720	14755
Depth Logger	11722	14757
Bottom Logged Interval	11722	14757
Top Logged Interval	4200	11600
Type Fluid in Hole	GEL CHEM	GEL CHEM
Salinity, PPM Cl	13,500	13,500
Density	9.7	9.7
Level	FULL	FULL
Max. Rec. Temp.	245 °F	275 °F
Equip. Location	0411	0411
Recorded By	R. KAY	R. KAY
Witnessed By	MR. MACKAY	MR. MACKAY

Run No.	ONE		
Bit Size	8 3/4"	8 3/4"	
Type	J	J	J
Gel Dg. Time	4 MIN	5 MIN	
Gel Dg. Temp.	200 F	200 F	
Recorded By	ANDERSON	ANDERSON	
Witnessed By	SCHNOVER	PATTEN & SLOBODZIEN	

(4) Dresser Atlas — Acoustilog

COMPANY TENNECO OIL & MINERALS, LTD.
WELL TENN ET AL ARCONA NO. 8-16-41-12
FIELD WILDCAT
PROVINCE ALBERTA
LOCATION: Other Services: 1/C COMP DENSLOG DIP
LSD 8 SEC 16 TWP 41 RGE 12W5
Permanent Datum: GROUND LEVEL — Elev.: 4004.4
Log Measured From KELLY BUSHING 13.5 Ft. Above Permanent Datum — Elev.: K.B. 4018
Drilling Measured From KELLY BUSHING — Elev.: K.B. 4018

Date	SEPT. 22/70	NOV. 14/70
Run No.	ONE	TWO
Depth Driller	11720	14755
Depth Logger	11722	14757
Bottom Logged Interval	11722	14757
Top Logged Interval	4200	11600
Type Fluid in Hole	GEL CHEM	GEL CHEM
Salinity, PPM Cl	13,500	13,500
Density	9.7	9.7
Level	FULL	FULL
Max. Rec. Temp.	245 °F	275 °F
Equip. Location	0411	0411
Recorded By	R. KAY	R. KAY
Witnessed By	MR. MACKAY	MR. MACKAY

Run No.	ONE		
Bit Size	8 3/4"	8 3/4"	
Type	J	J	J
Gel Dg. Time	4 MIN	5 MIN	
Gel Dg. Temp.	200 F	200 F	
Recorded By	ANDERSON	ANDERSON	
Witnessed By	SCHNOVER	PATTEN & SLOBODZIEN	

(5) SCHLUMBERGER — BOREHOLE COMPENSATED SONIC LOG

COMPANY SPANISH-CITIES SERVICE PETROLEUM CORPORATION
WELL SS BRAZ A
FIELD WILDCAT
PROVINCE ALBERTA
LOCATION LSD 11 SEC 32 TWP 52 RGE 13W5
Other Services: DIL, SNP, LDT, CNL, CST, SHDT
Log Measured From KB 10 ft. Above Perm. Datum — Elev.: K.B. 2622
Drilling Measured From KB — Elev.: K.B. 2622

Date	3 SEPT. 74	10 OCT. 74
Run No.	ONE	TWO
Depth Driller	11240	13250
Depth Logger	11246	13248
Bottom Logged Interval	11240	13248
Top Logged Interval	4500	11600
Type Fluid in Hole	LIGNOSOL	LIGNOSOL
Salinity, PPM Cl	1100	1100
Density	10.2	10.2
Level	FULL	FULL
Max. Rec. Temp.	245 °F	275 °F
Equip. Location	0411	0411
Recorded By	R. KAY	R. KAY
Witnessed By	MR. MACKAY	MR. MACKAY

Run No.	ONE		
Bit Size	8 3/4"	8 3/4"	
Type	J	J	J
Gel Dg. Time	4 MIN	5 MIN	
Gel Dg. Temp.	200 F	200 F	
Recorded By	ANDERSON	ANDERSON	
Witnessed By	SCHNOVER	PATTEN & SLOBODZIEN	

(6) SCHLUMBERGER OF CANADA — Sonic Log

COMPANY MOBIL OIL OF CANADA LIMITED
WELL MOBIL ET AL
FIELD WILDCAT
PROVINCE ALBERTA
LOCATION LSD 6 SEC 6 TWP 15 RGE 19W4
Other Surveys: I-ES, HL-C, CYBERLOOK
Location of Well: LSD 6, SEC 6, TWP 15, RGE 19W4
Elevation: D.F. 3252, K.B. 3262, or K.B.-D.F. 10

Log Depths Measured From KELLY BUSHING 13 Ft. above GROUND Ft. deep

Run No.	ONE	TWO	THREE
Date	19 SEPT 68	3 MAY 69	3 MAY 69
Depth Driller	5954	11254	12521
Depth Logger	5952	11256	12524
Bottom Logged Interval	5952	11256	12524
Top Logged Interval	810	5900	11600
Type Fluid in Hole	GEL CHEM	GEL CHEM	GEL CHEM
Salinity, PPM Cl	1100	1100	1100
Density	9.8	10.2	10.2
Level	FULL	FULL	FULL
Max. Rec. Temp.	150 F	220 F	245 F
Equip. Location	0411	0411	0411
Recorded By	R. KAY	R. KAY	R. KAY
Witnessed By	MR. MACKAY	MR. MACKAY	MR. MACKAY

Run No.	ONE		
Bit Size	8 3/4"	8 3/4"	
Type	J	J	J
Gel Dg. Time	4 MIN	5 MIN	
Gel Dg. Temp.	200 F	200 F	
Recorded By	ANDERSON	ANDERSON	
Witnessed By	SCHNOVER	PATTEN & SLOBODZIEN	

(7) SCHLUMBERGER OF CANADA — Sonic Log

COMPANY SINCLAIR CANADA OIL COMPANY
WELL WELL SINCLAIR PACIFIC COALSP. 6-36-67-15
FIELD WILDCAT
PROVINCE ALBERTA
LOCATION 6-36-67-15W5
Other Services: DIL, MSFL, BHC, LDT, CNL, GR
Location of Well: LSD 6, SEC 36, TWP 67, RGE 15W5
Elevation: D.F. 2997, K.B. 3007, or K.B.-D.F. 10
FILE No.

Log Depths Measured From GROUND Ft. deep

Run No.	ONE	TWO	
Date	15 SEPT 68	3 MAY 69	
Depth Driller	6000	11254	
Depth Logger	5994	11256	
Bottom Logged Interval	5992	11256	
Top Logged Interval	810	5900	
Type Fluid in Hole	GEL CHEM	GEL CHEM	
Salinity, PPM Cl	1100	1100	
Density	9.8	10.2	
Level	FULL	FULL	
Max. Rec. Temp.	150 F	220 F	
Equip. Location	0411	0411	
Recorded By	R. KAY	R. KAY	
Witnessed By	MR. MACKAY	MR. MACKAY	

Run No.	ONE		
Bit Size	8 3/4"	8 3/4"	
Type	J	J	J
Gel Dg. Time	4 MIN	5 MIN	
Gel Dg. Temp.	200 F	200 F	
Recorded By	ANDERSON	ANDERSON	
Witnessed By	SHERIFF	SHERIFF	

8 mi — 5 mi — 18 mi — 14 mi — 12 mi — 14 mi

DATUM

TOP MISSISSIPPIAN
TURNER VALLEY FM Limestone

SHUNDA FM
Argillaceous Limestone & Shale

PEKISKO FM
Limestone

BANFF FM
Shale & Argillaceous Limestone

TOP DEVONIAN

WABAMUN GRP
Dolomite

NISKU FM
Dolomite & Limestone

IRETON FM
Shale

LEDUC FM
Dolomite & Limestone

DUVERNAY FM
Shale

BEAVERHILL LAKE FM
Limestone, Argillaceous Limestone & Shale

ELK POINT FM
Sandstone & Shale

CAMBRIAN

Misrun Temp 164°F

2140' Total Fluid
930' WC
465' Gas cut Mud
186' SW cut Mud
560' Muddy SW

7620' Total Fluid
7080' Gas cut SW
540' Gas cut Mud
Temp 200°F

3400' WC
5300' Mud
Packer failed after 60 Minutes
Probably no Fluid Recovered from Formation. Temp 138°F

2000' WC
1640' Mud
Misrun
Temp 200°F

7382' Total Fluid
4185' WC
3197' SW
Temp 260°F

9000' Total Fluid
3700' WC
836' Gassy Mud
4464' Gassy SW
Total Solids 218,693 ppm

5270' Total Fluid
5000' WC
270' Mud
Temp 266°F

Flowed Gas at 5.98 MMCF/D Wtr at 1.5 Bbls/hr
Flowed Gas at 15,575 MMCF/D 5.0 Bbls Liquid/Million
Flowed Gas at 4.7 MMCF/D Wtr at 25 Bbls/hr
Total Solids 200,432 ppm

6730' Total Fluid
4500' WC
2230' SW
Temp 224°F

Misrun Temp 205°F

Misrun Temp 220°F

BHT 245°F at 15,890'
? hrs ac

BHT 265°F at 15,817'
12 hrs ac

BHT 275°F at 15,077'
? hrs ac

BHT 280°F at 14,316'
19.5 hrs ac

BHT 235°F at 14,096'
? hrs ac

BHT 259°F at 13,946'
? hrs ac

FIGURE - 5

CROSS SECTION C - C'
STRACHAN - BRAZEAU AREA
ALBERTA

SHOWING
SELECTED TEMPERATURE AND DRILL STEM TEST DATA

SCALE: VERTICAL: 1 INCH TO 100 FEET, HORIZONTAL: NONE

SPROULE ASSOCIATES LIMITED — CALGARY, CANADA

MARCH 1976

LEGEND AND ABBREVIATIONS

	INTERVAL COVERED BY DRILL STEM TEST
3938'	DRILL STEM TEST RECOVERY

Bbls	BARRELS
BHT	BOTTOM HOLE TEMPERATURE
hrs ac	HOURS AFTER CIRCULATION CEASED
Brk	BRACKISH
Drlg	DRILLING
F	FAHRENHEIT
GTS	GAS TO SURFACE
Max	MAXIMUM
MCF/D	THOUSANDS OF CUBIC FEET PER DAY
MMCF/D	MILLIONS OF CUBIC FEET PER DAY
ppm(Cl, NaCl)	PARTS PER MILLION
SW	SALT WATER
Sl	SLIGHT(LY)
Sulph	SULPHUR(OUS)
Temp	TEMPERATURE
TSTM	TO SMALL TO MEASURE
Wtr	WATER
Wtry	WATERY
WC	WATER CUSHION
WTS	WATER TO SURFACE

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