I

I'

(1)

SCHLUMBERGER OF CANADA LIMITED — Gamma Ray Neutron

COMPANY PHILLIPS PETROLEUM COMPANY
WELL PHILLIPS MINAKER A-25-G
FIELD WILDCAT
LOCATION A-25-G 94-6-15
PROVINCE BRITISH COLUMBIA
Other Surveys: MLC, ML, LL, ES
Location of Well: UNIT: A-25, ZONE: D, NTS: 94-G-15
Elevation: D.F. 2529, K.B. 2545 or G.L. 2527
FILING No. 25377

RUN #1, DEPTHS MEASURED FROM K.B. 19' ABOVE SURF. CSG. FLG.
RUN #2, DEPTHS MEASURED FROM K.B. 17' ABOVE SURF. CSG. FLG.

RUN NO.	ONE	TWO
Date	6 APRIL 1960	10 JUNE 1960
First Reading	9250	11365
Last Reading	4700	8400
Footage Measured	4550	2965
Max. Depth Reached	9511	11370
Bottom Driller	9507	11361
Maximum Temp. °F	185	246
Field Nature	LIME BASE	LIME BASE
Fluid Level	FULL	FULL
Casing Size	13⅜" lbs. @ ft.	7" lbs. @ ft.
Casing Weight	9.2 lbs. @ 1075 ft.	23 lbs. @ 9555 ft.
Casing Size	7" lbs. @ 9507 ft.	lbs. @ ft.
Bit Size	6 ¼ in. 1272 to 9511 ft.	6 1/8 in. 9555 to T.D.
Bit No.	3 in. 1272 to 1275 ft.	6 in. 9555 to T.D.
Cnt. No.	ML-843 560-562	NLD-A381 560-F25
Type Equipment	GRAM-L	GRAM-L
Time Posted	7:45 AM	7:45 AM
Chr. Rig Time	7 HRS.	5 HRS.
Truck No.	5876-PR	L-42-PR
Recorded By	RITCHIE-ION	GAY & RITCHIE-SON
Witness	ZEKE	ZEKE

44 mi

(2)

SCHLUMBERGER WELL SURVEYING CORPORATION — Gamma Ray-Neutron

COMPANY IMPERIAL OIL LTD.
WELL IMPERIAL SIKANNI CHIEF F-5
FIELD 121° 53' 30" W
LOCATION 121° 53' 30" W 58° 38' 4" 45° N.
COUNTY
STATE BRITISH COLUMBIA
Location of Well: 1:1° 53' 30" W, 58° 4' N., (ES MILL)
Elevation: D.F. 1920, K.B. 1935, G.L. 1915
FILING No. 12186

RUN NO.	ONE	TWO
Date	APR 17/58	MAY 22/58
First Reading	9233	8751
Last Reading	8226	7752
Footage Measured	1007	6220
Max. Depth Reached	9240	7752
Bottom Driller	9233	7752
Maximum Temp. °F	184	175
Mud Nature	SALINAGEL	GYP
Density	9.5	9.5
Viscosity	68	58
Casing Size & @	9⅝ @ 631 ft.	7 @ 1.93 ft.
Weight	lbs.	lbs.
Open Hole	9" to T.D.	6" to
	in.	in.
Fluid Level	100	FULL
Recording Speed (in/hr)	1000	1000
Sensitivity Set	GR (140 to 280)	GR (100 to 300)
Time Constant	1-4	1-4
Pass	GNF-A	GNF-C
Chr. Rig Time	118 HRS.	HRS.
Truck No. & Type	6296-PR	L-42-PR
Recorded By	MILLER	SKINNER
Witness		REYNOLDS

21 mi

(3)

SCHLUMBERGER — BOREHOLE COMPENSATED SONIC LOG

COMPANY MOBIL OIL CANADA LTD.
WELL MOBIL ESKAI
FIELD WILDCAT
PROVINCE BRITISH COLUMBIA
Other Services: IES, LL7, ML, MAS, SL, CCL
Location of Well: 94-L
Elevation: D.F. 2372, K.B. 2387 or G.L. 2359
FILING No. 30923

RUN NO.	ONE	TWO
Date	14JN 28/59	
First Reading	8860	
Last Reading	7590	
Footage Measured	8041	
Max. Depth Reached	8041	
Bottom Driller	8039	
Maximum Temp. °F	251	
Field Nature	LIME	
Fluid Level	FULL	
Casing Size	9 5/8 in. @ 637 ft.	in. @ ft.
Casing Weight	32.3 lbs. @ 637 ft.	lbs. @ ft.
Casing Size	7 in. @ 8039 ft.	in. @ ft.
Bit Size	8 3/4 in. 637 to 8045 ft.	in. to ft.
Cnt. No.	1-SCP-5-EIC	
Type Equipment	COMPENSATED SONIC	
Time Posted	8 AM	
Chr. Rig Time	8 HRS.	
Truck No.	2781-SC	
Recorded By	RANKIN	
Witness	GRAY & TUENIER	

30 mi

(4)

SCHLUMBERGER OF CANADA LIMITED — Gamma Ray Neutron

COMPANY GULF STATES OIL COMPANY OF CANADA
WELL GULF STATES IMP. CLARKE LK. #2
FIELD WILDCAT
LOCATION L-94-J-9
PROVINCE BRITISH COLUMBIA
Other Services: IES, LL7, ML, MAS, SL, CCL
Location of Well: 94-L, 94-J-9
Elevation: D.F. 2372, K.B. 2387 or G.L. 2359
FILING No. 30923

Log Depths Measured From K.B. 15 ft. above G.L.

RUN NO.	ONE
Date	14JN 28/59
First Reading	8860
Last Reading	7590
Footage Measured	8041
Max. Depth Reached	8041
Bottom Driller	8039
Maximum Temp. °F	251
Field Nature	LIME
Fluid Level	FULL
Casing Size	9 5/8 in. @ 637 ft.
Casing Weight	32.3 lbs. @ 637 ft.
Casing Size	7 in. @ 8039 ft.
Bit Size	8 3/4 in. 637 to 8045 ft.
Cnt. No.	1-SCP-5-EIC
Type Equipment	COMPENSATED SONIC
Time Posted	8 AM
Chr. Rig Time	8 HRS.
Truck No.	2781-SC
Recorded By	RANKIN
Witness	GRAY & TUENIER

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24 mi

(5)

SCHLUMBERGER OF CANADA LIMITED — Gamma Ray Neutron

COMPANY WESTERN NATURAL GAS COMPANY INC.
WELL WEST NAT ET AL EXXE LAKE B-89-K(2)
FIELD WILDCAT
LOCATION B-89-K 94-J-15
PROVINCE BRITISH COLUMBIA
Other Services: IES, LL7, ML, CCL
Location of Well: UNIT: B-89, ZONE: K, NTS: 94-J-15
Elevation: D.F. 1868, K.B. 1879 or G.L. 1862
FILING No. 57742

Log Depths Measured From K.B. 16 ft. above G.L.

RUN NO.	ONE	TWO
Date	21JY 60	
First Reading	8345	
Last Reading	7200	
Footage Measured	8033	
Max. Depth Reached	8033	
Bottom Driller	8031	
Maximum Temp. °F	224	
Field Nature	SALT	
Fluid Level	SURF	
Casing Size	9 5/8 in. @ 1.5 ft.	in. @ ft.
Casing Weight	32.3 lbs. @ 1.5 ft.	lbs. @ ft.
Casing Size	7 in. @ 8033 ft.	in. @ ft.
Bit Size	8 3/4 in. 1.5 to 8040 ft.	in. to ft.
Cnt. No.	1-SCP-5-EIC	
Type Equipment	COMPENSATED SONIC	
Time Posted	8 AM	
Chr. Rig Time	8 HRS.	
Truck No.	2781-SC	
Recorded By	RANKIN	
Witness	GRAY & TUENIER	

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25 mi

(6)

SCHLUMBERGER OF CANADA LIMITED — Gamma Ray Neutron

COMPANY PHILLIPS PETROLEUM COMPANY
WELL PHILLIPS S.R.
FIELD WILDCAT
LOCATION C-16-G 94-J-13
PROVINCE BRITISH COLUMBIA
Other Services: MLC, ML, LL, ES
Location of Well: UNIT: C-16, ZONE: G, NTS: 94-J-13
Elevation: D.F. 1868, K.B. 1879 or G.L. 1862
FILING No. 25316

Log Depths Measured From R.K.B. 17 ft. above G.L.

RUN NO.	ONE	TWO
Date	15SEP60	21SEP60
First Reading	9370	10800
Last Reading	4321	9500
Footage Measured	5049	1301
Max. Depth Reached	9370	10805
Bottom Driller	NOT DETERMINED	10803
Maximum Temp. °F	280	305
Field Nature	LIME	LIME
Fluid Level	FULL	FULL
Casing Size	9 5/8 in. @ 1.5 ft.	in. @ 4766 ft.
Casing Weight	32.3 lbs. @ 1.5 ft.	lbs. @ 4766 ft.
Casing Size	7 in. @ 9370 ft.	in. @ 4766 ft.
Casing Weight	23 lbs. @ 9370 ft.	lbs. @ ft.
Bit Size	6 3/4 in. 4766 to T.D. ft.	in. to 10803 ft.
Bit Size	in.	in.
Cnt. No.	5005-C #62	5005-C #7
Type Equipment	GRAM-L SEE REMARKS	GRAM-L
Time Posted	8 AM	8 AM
Chr. Rig Time	16 HRS.	9 HRS.
Truck No.	1211-PC	1211-PC
Recorded By	SPENCER	BALL & GILL
Witness	HOLLAR & MOORE	HOLLAR & MOORE

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1945' Gassy SW
125' Mud

435' Mud

BHT 280°F at 11,361'
23.5 hrs ac

810' WC
30' Mud

1170' WC
3780' SW
67,019 ppm Cl

1170' WC
720' SW

2160' WC

3150' WC
20' Mud

BHT 255°F at 9933'
? hrs ac

BHT 220°F at 8267'
18.25 hrs ac

9.99 MMCF/D
10' Wtr

5640' Gassy Wtr
60' Mud
18,800 ppm Cl

BHT 251°F at 8039'
? hrs ac

69' Mud

15' Mud

233' Mud

Gas TSTM
530' Gas cut Mud

Gas TSTM
775' Gas cut Mud

Gas TSTM
658' Gas cut Mud

Gas at 179 MCF/D Max
977' Gas cut Mud

Gas TSTM
748' SW
31' Gas cut Mud

445' SW
595' Gassy Wtr
cut Mud

Gas at 298 MCF/D Max
601 Gas cut SW
279' Watery Mud

BHT 239°F at 8244'
23 hrs ac

250' Mud
Temp 305°F

1000' WC
740 Mud
Temp 300°F+

Granite Wash

BHT 280°F at 10,805'
? hrs ac

DATUM

FORT SIMPSON FM

She

SLAVE POINT FM

Limestone

90' Watery Mud
90' Mud
67,019 ppm Cl

WATT MTN FM

MIDDLE DEVONIAN REEF COMPLEX

Dolomite

Gas TSTM
6835' Gas cut SW
465' Mud

KLUA SHALE

ELK POINT GRP

CHINCHAGAGA FM

Evaporites & Shale

RED BEDS

Shale & Evaporites

CAMBRIAN

Sandstone & Shale

PRECAMBRIAN

LEGEND AND ABBREVIATIONS

INTERVAL COVERED BY DRILL STEM TEST

3938' DRILL STEM TEST RECOVERY

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
SI	SLIGHT(LY)
Sulph	SULPHUR(OUS)
Temp	TEMPERATURE
TSTM	TO SMALL TO MEASURE
Wtr	WATER
Wtry	WATERY
WC	WATER CUSHION
WTS	WATER TO SURFACE

FIGURE - II

CROSS SECTION I - I'
FORT NELSON AREA
BRITISH COLUMBIA

SHOWING
SELECTED TEMPERATURE AND DRILL STEM TEST DATA

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

SPROULE ASSOCIATES LIMITED — CALGARY, CANADA

MARCH 1976

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