



CHEMICAL & GEOLOGICAL LABORATORIES LTD.

EDMONTON FORT ST. JOHN CALGARY



OIL ANALYSIS

LABORATORY NUMBER  
883-2222-2

CONTAINER IDENTITY

LICENCE NUMBER

OPERATOR NAME

ICG RESOURCES LTD.

WELL NAME

ICGR et al Virden 1-31-11-26

ELEVATIONS  
K & I (metres) GRD

467.9 463.8

LOCATION

1-31-11-26 W1

FIELD OR AREA

Virden

POOL OR ZONE

Cherty

NAME OF SAMPLER

COMPANY

A & A Coring

TEST TYPE

DST

NO

1

MULTIPLE  
RECOVERY

Y N  
X

TEST RECOVERY

106 m gassy muddy oil  
20 m muddy salt water

SAMPLING POINT

Middle

AMT & TYPE OF CUSHION

MUD RESISTIVITY

Total Interval (metres)

641 - 649

TYPE OF PRODUCTION

PUMPING

FLOWING

GAS LIFT

SWAB

PRODUCTION RATES

WATER

m<sup>3</sup>/d

OIL

m<sup>3</sup>/d

GAS

10<sup>3</sup>m<sup>3</sup>/d

Perforations (metres)

SEPARATOR

TREATER

RESERVOIR

SOURCE

GAUGE PRESSURE

MPa

SEPARATOR

TREATER

RESERVOIR

SOURCE

TEMPERATURE °C

DATE SAMPLED (Y-M-D)

1983-10-02

DATE RECEIVED (Y-M-D)

1983-10-04

DATE REPORTED (Y-M-D)

1983-10-18

ANALYST

S. Sargious

OTHER INFORMATION

SAMPLE PROPERTIES

COLOR OF CLEAN OIL

Brown

BS & W (VOLUME FRACTION)

WATER

0.104

SEDIMENT

0.096

TOTAL

0.200

VOLUME  
FRACTION  
DISTILLED

TEMP  
°C

1.0 P

35

0.05

91

0.10

119

0.15

153

0.20

186

0.25

216

0.30

246

0.35

269

0.40

291

0.45

312

0.50

320

0.55

0.60

0.65

0.70

0.75

0.80

0.85

0.90

0.95

1.00

F & P

CRACKED

329

DISTILLATION

METHOD

Hempel ASTM (D-285)

BAROM PRESS (kPa abs)

89.6

ROOM TEMP °C

26.0

DISTILLATION SUMMARY

(VOLUME FRACTION)

200°C

NAPHTHA

0.215

270°C

KEROSENE

0.15

350°C

LIGHT GAS OIL

TOTAL SULFUR  
(MASS FRACTION)

0.0155

TOTAL SALT  
(g/m<sup>3</sup>)

FOUR POINT  
°C

U.S.B.M.

-26

A.S.T.M.

CARBON RESIDUE  
(MASS FRACTION)

CONRADSON

0.0327

RAMSBOTTOM

RVP

MPa

VISCOSITY

TEMP  
°C

ABSOLUTE mPa.s

KINEMATIC mm<sup>2</sup>/s

10

13.5

15.7

20

9.18

10.7

40

5.11

6.07

RELATIVE DENSITY

DISTILLATE

RESIDUE

BASE TYPE: Mixed

CHARACTERIZATION FACTOR: 11.8

Total Sulfur: 15.5 g/kg

BS & W determined on sample as received. Remainder of analysis determined on sample after cleaning by centrifuging.

ICG RESOURCES LTD.

LAB REPORT NO: C83-2222

C83-2222-1 TOP OF FLUID

BS & W (Volume Fraction)

Water: 0.062

Sediment: 0.088

Total: 0.150

Density: Relative: 0.859  
Absolute: 858





**CORE LABORATORIES - CANADA LTD.**  
*Petroleum Reservoir Engineering*  
**CALGARY ALBERTA**



<u>Plastic</u> <small>CONTAINER IDENTITY</small>		<u>7022-83-561</u> <small>LABORATORY NUMBER</small>	
<u>ICG Resources Ltd.</u> <small>OPERATOR</small>		<u>2 of 2</u> <small>PAGE</small>	
<u>LSD 5-32-11-26 W1M</u> <small>LOCATION</small>	<u>ICG Scallion 5-32-11-26</u> <small>WELL OR SAMPLE LOCATION NAME</small>	<small>KB ELEV.</small>	<small>GRD. ELEV.</small>
<u>Scallion, Manitoba</u> <small>FIELD OR AREA</small>	<u>Cherty Zone</u> <small>FOOL OR ZONE</small>	<u>A &amp; A Coring</u> <small>SAMPLER</small>	
<u>DST 1</u> <small>TEST TYPE &amp; NO.</small>	<small>TEST RECOVERY</small>		
	<u>Top of Tool</u> <small>POINT OF SAMPLE</small>	<small>AMT. &amp; TYPE CUSHION</small>	<small>MUD RESISTIVITY @ °C</small>
<u>629 - 635</u> <small>TEST INTERVALS OR PERFS.</small>	<u>PUMPING</u>	<u>FLOWING</u>	<u>GAS LIFT</u> <u>SWAB</u>
	<u>WATER</u> <u>m<sup>3</sup>/d</u>	<u>OIL</u> <u>m<sup>3</sup>/d</u>	<u>GAS</u> <u>m<sup>3</sup>/d</u>
<small>SEPARATOR</small> <small>RESERVOIR</small>	<small>CONTAINER WHEN SAMPLED @ °C</small>	<small>CONTAINER WHEN RECEIVED @ °C</small>	<small>SEPARATOR</small> <small>TEMPERATURES, °C</small>
<small>PRESSURES, kPa</small>			
<u>83 07 23</u>	<u>83 07 29</u>	<u>83 08 02</u>	
<small>DATE SAMPLED (Y/M/D)</small>	<small>DATE RECEIVED (Y/M/D)</small>	<small>DATE ANALYSED (Y/M/D)</small>	<small>ANALYST</small> <small>REMARKS</small>

MUD FILTRATE ANALYSIS

Resistivity (Ohm-metres @ 25°C):                      0.225  
 Chloride (mg/litre):    12592

