



CONTAINER IDENTITY

CHEMICAL & GEOLOGICAL LABORATORIES LTD.

EDMONTON FORT ST. JOHN CALGARY



LABORATORY NUMBER

C83-19173-1

OIL ANALYSIS

LICENCE NUMBER

OPERATOR NAME

TUNDRA OIL & GAS LTD.

LOCATION

4-28-10-28 W1

WELL NAME

Tundra Killucan W.Daly 4-28-10-28

ELEVATIONS

518.0 513.5

FIELD OR AREA

POOL OR ZONE

NAME OF SAMPLER

COMPANY

Canadian Form.
Testers

TEST TYPE

DST

NO

1

Y/N

X

MULTIPLE
RECOVERY

TEST RECOVERY

5 m oil cut mud; 105 m oil;
30 m oil and mud

SAMPLING POINT

Top

AMT. & TYPE OF CUSHION

MUD RESISTIVITY

Test Interval (metres)

776.5 - 787.75

TYPE OF PRODUCTION

PUMPING

FLOWING

GAS LIFT

SWAB

PRODUCTION RATES

WATER

m³/d OILm³/d GAS10³m³/d

Perforations (metres)

SEPARATOR

TREATER

RESERVOIR

SOURCE

GAUGE PRESSURE kPa

SEPARATOR

TREATER

RESERVOIR

SOURCE

TEMPERATURE °C

DATE SAMPLED (Y-M-D)

1983-01-21

DATE RECEIVED (Y-M-D)

1983-01-26

DATE REPORTED (Y-M-D)

1983-02-28

ANALYST

D. Barber

OTHER INFORMATION

SAMPLE PROPERTIES

COLOR OF CLEAN OIL

Brown

WATER

0.01

B.S. & W. (VOLUME FRACTION)

SEDIMENT

0.01

TOTAL

0.02

DENSITY

RELATIVE

AS RECEIVED

AFTER CLEANING

0.870

ABSOLUTE g/ccm⁻³

AS RECEIVED

AFTER CLEANING

869

TOTAL SULFUR
(MASS FRACTION)

0.0198

TOTAL SALT
(g/m³)

U.S.B.M.

-20

ASTM

POUR POINT °C

CARBON RESIDUE
(MASS FRACTION)

CONRADSON

0.0430

RAMSBOTTOM

RVP kPa

VISCOSITY

TEMP °C

ABSOLUTE mPa.s

KINEMATIC mm²/s

10

21.3

24.3

20

13.2

15.2

40

6.80

7.96

DISTILLATION

METHOD

Hempel ASTM (D-285)

BAROM. PRESS. kPa(abs.)

88.2

ROOM TEMP. °C

23.0

DISTILLATION SUMMARY

(VOLUME FRACTION)

200°C
NAPHTHA275°C
KEROSENE350°C
LIGHT GAS OIL

0.205

0.15

RECOVERED

RESIDUE

DISTILLATION
LOSS

RELATIVE DENSITY

DISTILLATE

RESIDUE

F.B.P.

BASE TYPE: Mixed

CRACKED 300

CHARACTERIZATION FACTOR: 11.8

Total Sulfur: 19.8 g/kg

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

TUNDRA OIL & GAS LTD.

LAB REPORT NO: C83-19173

C83-19173-2 MIDDLE

BS & W (Volume Fraction)

Water: 0.18

Sediment: 0.22

Total: 0.40

Density: Relative: 0.880
Absolute: 879

C83-19173-3 BOTTOM

BS & W (Volume Fraction)

Water: 0.36

Sediment: 0.38

Total: 0.74

Density: Relative: 0.878
Absolute: 877