

**AGAT**

Laboratories

CALGARY

CALGARY

EDMONTON

GRANDE PRAIRIE

OIL ANALYSIS

CONTAINER IDENTIFICATION

PB #7

LABORATORY NUMBER

05405C

OPERATOR NAME

PARAMOUNT RESOURCES LTD.

UNIQUE WELL IDENTIFIER

WELL NAME

KB m ELEVATIONS GRD m

PARAMOUNT et al CAMERON M-73

775.15

771.45

FIELD OR AREA

POOL OR ZONE

NAME OF SAMPLER

COMPANY

CAMERON

SULPHUR POINT

NORTHLAND

TEST TYPE

NO

TEST RECOVERY

TEST INTERVAL OR PERFS

1415.5-1420.5
mKB

SAMPLING POINT

AMT & TYPE OF CUSHION

MUD RESISTIVITY/ Ω m

SEPARATOR

@25°C

SEPARATOR

TREATER

RESERVOIR

SOURCE

SAMPLED

RECEIVED

GAUGE PRESSURE kPa

TEMPERATURE °C

DATE SAMPLED (Y-M-D)

DATE RECEIVED (Y-M-D)

DATE REPORTED (Y-M-D)

ANALYST

OTHER INFORMATION

91-03-13

91-03-27

91-03-28

B.C.L

60 10'N 117 15'W

SAMPLE PROPERTIES

B.S. & W. (VOLUME FRACTION)

COLOUR OF CLEAN OIL

WATER

SEDIMENT

TOTAL

DARK BROWN

0.033

0.002

0.035

COLOUR NUMBER ASTM D-155

D8 A.S.T.M.

RELATIVE

DENSITY

ABSOLUTE $\rho/\text{kg}\cdot\text{m}^{-3}$

AS RECEIVED

AFTER CLEANING

AS RECEIVED

AFTER CLEANING

API GRAVITY @ 15°C

32.93

TOTAL SULPHUR
(MASS FRACTION)TOTAL SALT $\text{g}\cdot\text{m}^{-3}$

POUR POINT / °C

U.S.B.M.

A.S.T.M.

0.00916

3

RVF/kPa

CARBON RESIDUE
(MASS FRACTION)

CONRADSON

RAMSBOTTOM

VISCOSITY

TEMP / °C	ABSOLUTE/mPa·s	KINEMATIC/mm ² ·s ⁻¹
25	8.66	10.15
38	5.65	6.69
50	4.21	5.03

VOLUME FRACTION	TEMP. / °C
0.05	151.2
0.10	182.6
0.15	210.9
0.20	234.2
0.25	251.4
0.30	269.6
0.35	283.8
0.40	302.0
0.45	317.2
0.50	332.4
0.55	347.6
0.60	364.8
0.65	377.9
0.70	393.1
0.75	400.2
0.80	
0.85	
0.90	
0.95	
1.00	
F.B.P	400.2
CRACKED	

DISTILLATION

METHOD

A.S.T.M. -D86*

INITIAL
BOILING POINT

110.7

ABS BAROM PRESS/kPa

87.6

ROOM TEMP/°C

24.0

DISTILLATION SUMMARY
(VOLUME FRACTION)

200°C NAPHTHA	275°C KEROSENE	350°C LIGHT GAS OIL
0.13	0.32	0.56

RECOVERED

0.83

RESIDUE

0.15

DISTILLATION
LOSS

0.02

CHARACTERIZATION
FACTOR

11.9

REMARKS:

* THE DISTILLATION TEMPERATURES HAVE
BEEN CORRECTED TO 101.3 KPA(ABS).

CANADA OIL AND GAS LANDS
ADMINISTRATION DU PETROLE ET DU
GAZ DES TERRES DU CANADA
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ENGINEERING AND CONTROL
BRANCH
TECHNIQUE ET DU CONTRÔLE