

**AGA****Laboratories**

CALGARY

EDMONTON

GRANDE PRAIRIE

OIL ANALYSIS

CONTAINER IDENTIFICATION

DB #1

OPERATOR NAME

PARAMOUNT RESOURCES LTD.

UNIQUE WELL IDENTIFIER

WELL NAME

KB m ELEVATIONS GRD m

PARAMOUNT et al CAMERON C-19

786.3

782.8

FIELD OR AREA

POOL OR ZONE

NAME OF SAMPLER

COMPANY

CAMERON

SULPHUR POINT

NORTHLAND

TEST TYPE

NO

TEST RECOVERY

SAMPLING POINT

AMT & TYPE OF CUSHION

MUD RESISTIVITY/ Ω m

SWAB

@25°C

TEST INTERVAL OR PERFS

1438.0-1443.0
mKB

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

91-03-22

91-04-15

91-04-19

B.C.L

60 08'N 117 15'W

SAMPLE PROPERTIES

B.S. & W. (VOLUME FRACTION)

COLOUR OF CLEAN OIL

WATER

SEDIMENT

TOTAL

DARK BROWN

0.024

TRACE

0.024

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

30.09

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

U.S.B.M.

A.S.T.M.

0.00826

9

POUR POINT / °C

CARBON RESIDUE
(MASS FRACTION)

RVP/kPa

CONRADSON

RAMSBOTTOM

VISCOSITY

TEMP / °C	ABSOLUTE $\text{mPa}\cdot\text{s}$	KINEMATIC $\text{mm}^2\cdot\text{s}^{-1}$
25	16.62	19.13
38	9.89	11.49
50	6.74	7.90

VOLUME FRACTION	TEMP. / °C
0.05	151.6
0.10	179.9
0.15	210.2
0.20	232.5
0.25	252.7
0.30	269.9
0.35	285.0
0.40	304.2
0.45	318.4
0.50	334.6
0.55	349.7
0.60	364.9
0.65	377.0
0.70	390.2
0.75	402.3
0.80	407.3
0.85	
0.90	
0.95	
1.00	
F.B.P	407.3
CRACKED	

DISTILLATION

METHOD

A.S.T.M. - D86*

INITIAL
BOILING POINT

106.1

ABS BAROM PRESS/kPa

89.2

ROOM TEMP/°C

24.0

DISTILLATION SUMMARY
(VOLUME FRACTION)200° C
NAPHTHA275° C
KEROSENE350° C
LIGHT GAS OIL

0.14

0.32

0.54

RECOVERED

0.86

RESIDUE

0.12

DISTILLATION
LOSS

0.02

CHARACTERIZATION
FACTOR

11.9

REMARKS:

* THE DISTILLATION TEMPERATURES HAVE
BEEN CORRECTED TO 101.3 KPA(ABS).
SAMPLE CONTAINED 13% OF FREE WATER
BY VOLUME. BS&W PERFORMED ON OIL
PORTION ONLY.

MAY 1 1991

ENGINEERING AND CONTROL
BRANCH
TECHNIQUE ET ION C.