



AGA

Laboratories

CALGARY

EDMONTON

GRANDE PRAIRIE



N.E.B. COPY

OIL ANALYSIS

CONTAINER IDENTIFICATION

PB 1A

LABORATORY NUMBER

017120A

PARAMOUNT RESOURCES LTD.

OPERATOR NAME

UNIQUE WELL IDENTIFIER

WELL NAME

PARA et al CAMERON C75 60 10'N 117 15'W

ELEVATIONS

KB m

GRD m

788.47

783.62

FIELD OR AREA

CAMERON

POOL OR ZONE

SULPHUR POINT

NAME OF SAMPLER

COMPANY

SAME

TEST TYPE

DST

NO

2

TEST RECOVERY

SAMPLING POINT

TOP

AMT & TYPE OF CUSHION

MUD RESISTIVITY/ Ω m

@ 25° C

TEST INTERVAL OR PERFS

1423.30-1439.00

mKB

SEPARATOR

TREATER

RESERVOIR

SOURCE

SAMPLED

RECEIVED

GAUGE PRESSURE kPa

TEMPERATURE °C

DATE SAMPLED (Y-M-D)

94-03-14

DATE RECEIVED (Y-M-D)

94-03-15

DATE REPORTED (Y-M-D)

94-03-18

ANALYST

A,C,S NCO

OTHER INFORMATION

SAMPLE PROPERTIES

B.S. & W. (VOLUME FRACTION)

COLOUR OF CLEAN OIL

DARK BROWN

WATER

0.048

SEDIMENT

0.004

TOTAL

0.052

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

33.29

TOTAL SULPHUR
(MASS FRACTION)

0.00834

TOTAL SALT $\text{g}\cdot\text{m}^{-3}$

U.S.B.M.

A.S.T.M.

0

POUR POINT / °C

RVP/kPa

CARBON RESIDUE
(MASS FRACTION)

CONRADSON

RAMSBOTTOM

VISCOSITY

TEMP / °C

ABSOLUTE/ $\text{mPa}\cdot\text{s}$ KINEMATIC/ $\text{mm}^2\cdot\text{s}^{-1}$

25

8.29

9.74

38

5.65

6.70

50

4.10

4.90

DISTILLATION

METHOD

A.S.T.M.-D86*

INITIAL
BOILING POINT

88.7

ABS BAROM PRESS/kPa

86.8

ROOM TEMP/°C

22.0

DISTILLATION SUMMARY
(VOLUME FRACTION)200° C
NAPHTHA

0.14

275° C
KEROSENE

0.32

350° C
LIGHT GAS OIL

0.53

RECOVERED

0.82

RESIDUE

0.16

DISTILLATION
LOSS

0.02

CHARACTERIZATION
FACTOR

12.0

VOLUME FRACTION	TEMP. / °C
0.05	137.3
0.10	173.8
0.15	204.2
0.20	229.5
0.25	246.7
0.30	268.0
0.35	286.2
0.40	305.5
0.45	322.7
0.50	343.0
0.55	356.1
0.60	375.4
0.65	387.5
0.70	398.7
0.75	405.8
0.80	
0.85	
0.90	
0.95	
1.00	
F.B.P	405.8
CRACKED	

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

REMARKS.

SAMPLE CONTAINED 40.5% FREE WATER BY VOLUME. BS&W PERFORMED ON OIL PORTION ONLY.