



# AGA

## Laboratories

9211-P33-4-4RE



CALGARY

EDMONTON

GRANDE PRAIRIE

### CALGARY COPY

### OIL ANALYSIS

PB #4

LABORATORY NUMBER

05267A

OPERATOR NAME

PARAMOUNT RESOURCES LTD.

\*\*\*\*\*

UNIQUE WELL IDENTIFIER

WELL NAME

KB m ELEVATIONS GRD m

PARAMOUNT et al CAMERON A-68

746.12

742.42

FIELD OR AREA

POOL OR ZONE

NAME OF SAMPLER

COMPANY

CAMERON

MUSKEG

NORTHLAND

TEST TYPE

NO

TEST RECOVERY

SAMPLING POINT

AMT &amp; TYPE OF CUSHION

MUD RESISTIVITY/  $\Omega$  m

SWAB

@25° C

TEST INTERVAL OR PERFS

1418.0-1424.0

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

91-03-01

91-03-11

91-03-15

B.C.L.

#### SAMPLE PROPERTIES

B.S. &amp; W. (VOLUME FRACTION)

COLOUR OF CLEAN OIL

WATER

SEDIMENT

TOTAL

DARK BROWN

TRACE

0.006

0.006

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

34.24

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

U.S.B.M.

A.S.T.M.

0.00793

-12

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	6.17	7.29
38	4.51	5.38
50	3.46	4.16

VOLUME FRACTION	TEMP. / °C
0.05	111.7
0.10	129.9
0.15	153.2
0.20	175.4
0.25	198.7
0.30	217.9
0.35	239.2
0.40	261.5
0.45	283.7
0.50	305.0
0.55	330.3
0.60	352.6
0.65	369.8
0.70	380.9
0.75	390.0
0.80	397.1
0.85	
0.90	
0.95	
1.00	
F.B.P.	397.1
CRACKED	

#### DISTILLATION

METHOD

A.S.T.M. - D86\*

INITIAL  
BOILING POINT

89.4

ABS BAROM PRESS/kPa

87.7

ROOM TEMP/°C

22.0

#### DISTILLATION SUMMARY (VOLUME FRACTION)

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

0.25

0.43

0.59

RECOVERED

0.90

RESIDUE

0.08

DISTILLATION  
LOSS

0.02

CHARACTERIZATION  
FACTOR

11.9

REMARKS:

\* THE DISTILLATION TEMPERATURES HAVE  
BEEN CORRECTED TO 101.3 KPA(ABS).  
SAMPLE CONTAINED 12% OF FREE WATER  
BY VOLUME. BS&W PERFORMED ON OIL  
PORTION ONLY.

CANADA OIL AND GAS LANDS  
ADMINISTRATION  
ADMINISTRATION DU PÉTROLE ET DU  
GAZ DES TERRES DU CANADA

MAR 28 1941

ENGINEERING AND CONTROL  
BRANCH  
TECHNIQUE ET DU CONTRÔLE