



## WATER ANALYSIS

CONTAINER IDENTIFICATION

PB#6

LABORATORY NUMBER

W5385B

OPERATOR NAME

PARAMOUNT RESOURCES LTD.

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UNIQUE WELL IDENTIFIER

WELL NAME

KB m ELEVATIONS GRD m

PARAMOUNT et al CAMERON B-25

757.7

754.3

FIELD OR AREA

POOL CR ZONE

NAME OF SAMPLER

COMPANY

CAMERON

SULPHUR POINT

SAME

TEST TYPE

NO

TEST RECOVERY

50% OIL&amp;WATER

SAMPLING POINT

AMT &amp; TYPE OF CUSHION

MUD RESISTIVITY/Ω m

SWAB

@ 25° C

TEST INTERVAL OR PERFS

1405.0-1409.0  
mKB

TYPE OF PRODUCTION

PUMPING

FLOWING

GAS LIFT

SWAB

PRODUCTION RATES

WATER

m<sup>3</sup>/d

OIL

m<sup>3</sup>/d

GAS

10<sup>3</sup> m<sup>3</sup>/d

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

91-03-11

91-03-26

91-04-02

CH

| ION | mg/L    | MASS FRACTION | mmol/L |
|-----|---------|---------------|--------|
| Na  | 16300.0 | 0.290         | 710.0  |
| K   | 902.0   | 0.016         | 23.1   |
| Ca  | 4080.0  | 0.073         | 102.0  |
| Mg  | 908.0   | 0.016         | 37.4   |
| Ba  | N.A.    | N.A.          | N.A.   |
| Sr  | N.A.    | N.A.          | N.A.   |
| Fe  | 3.5     | TRC*          | 0.1    |

| ION              | mg/L    | MASS FRACTION | mmol/L |
|------------------|---------|---------------|--------|
| Cl               | 31600.0 | 0.562         | 891.0  |
| Br               | N.A.    | N.A.          | N.A.   |
| I                | N.A.    | N.A.          | N.A.   |
| HCO <sub>3</sub> | 648.0   | 0.012         | 10.6   |
| SO <sub>4</sub>  | 1760.0  | 0.031         | 18.3   |
| CO <sub>3</sub>  | NIL     | NIL           | NIL    |
| OH               | NIL     | NIL           | NIL    |
| H <sub>2</sub> S | N.D.    | N.D.          | N.D.   |

### DISSOLVED TOTAL SOLIDS

mg/L

EVAPORATED AT 110° C

EVAPORATED AT 180° C

AT IGNITION

CALCULATED

56200.0

RELATIVE DENSITY

1.041 @ 25° C

REFRACTIVE INDEX

N.A. @ 25° C

OBSERVED pH

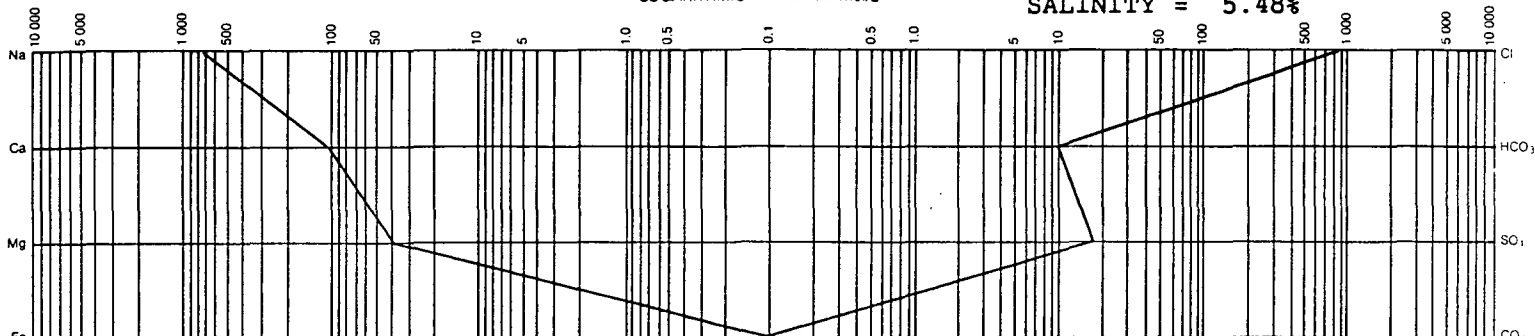
7.17 @ 25° C

RESISTIVITY/ΩM \*m

0.12 @ 25° C

LOGARITHMIC PATTERN mmol/L

SALINITY = 5.48%



REMARKS:

TRC+= LESS THAN 0.1 N.D.= NOT DETECTED NIL= 0.0 TRC\*= LESS THAN 0.001 N.A.= NOT ANALYZED

CANADA OIL AND GAS LANDS  
ADMINISTRATION  
ADMINISTRATION DU PETROLE ET DU  
GAS DES TERRES DU CANADA

APR 16 1991

ENGINEERING AND CONTROL  
BRANCH  
TECHNIQUE ET DU CONTROLE