



AGAT Laboratories

9211-P33-6-2



CALGARY

EDMONTON

GRANDE PRAIRIE

WATER ANALYSIS

OTTAWA COPY

CONTAINER IDENTIFICATION

PB#1

OPERATOR NAME

PARAMOUNT RESOURCES LTD.

UNIQUE WELL IDENTIFIER

WELL NAME

KB m ELEVATIONS GRD m

PARAMOUNT et al SWEDE A-52

697.18

FIELD OR AREA

POOL OR ZONE

NAME OF SAMPLER

COMPANY

SWEDE

SULPHUR POINT

BAKER

TEST TYPE

NO

TEST RECOVERY

DST

1

TEST INTERVAL OR PERFS

1366.0-1382.5
mKB

SAMPLING POINT

AMT & TYPE OF CUSHION

MUD RESISTIVITY/Ω m

BHS

@ 25° C

TYPE OF PRODUCTION

PUMPING

FLOWING

GAS LIFT

SWAB

PRODUCTION RATES

WATER

m³/d

OIL

m³/d

GAS

10³ m³/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

91-02-19

91-02-25

91-03-05

C

A-52

ION	mg/L	MASS FRACTION	mmol/L
Na	24400.0	0.259	1060.0
K	872.0	0.009	22.3
Ca	6410.0	0.068	160.0
Mg	1650.0	0.018	68.0
Ba	N.A.	N.A.	N.A.
Sr	N.A.	N.A.	N.A.
Fe	1.4	TRC*	TRC+

ION	mg/L	MASS FRACTION	mmol/L
Cl	59200.0	0.630	1670.0
Br	N.A.	N.A.	N.A.
I	N.A.	N.A.	N.A.
HCO ₃	689.0	0.007	11.3
SO ₄	816.0	0.009	8.5
CO ₃	NIL	NIL	NIL
OH	NIL	NIL	NIL
H ₂ S	N.D.	N.D.	N.D.

DISSOLVED

TOTAL SOLIDS mg/L

EVAPORATED AT 110° C

EVAPORATED AT 180° C

AT IGNITION

CALCULATED

94000.0

RELATIVE DENSITY

1.075 @ 25° C

REFRACTIVE INDEX

N.A. @ 25° C

OBSERVED pH

6.48 @ 25° C

RESISTIVITY/OHM *m

0.08 @ 25° C

D.S.T.#1

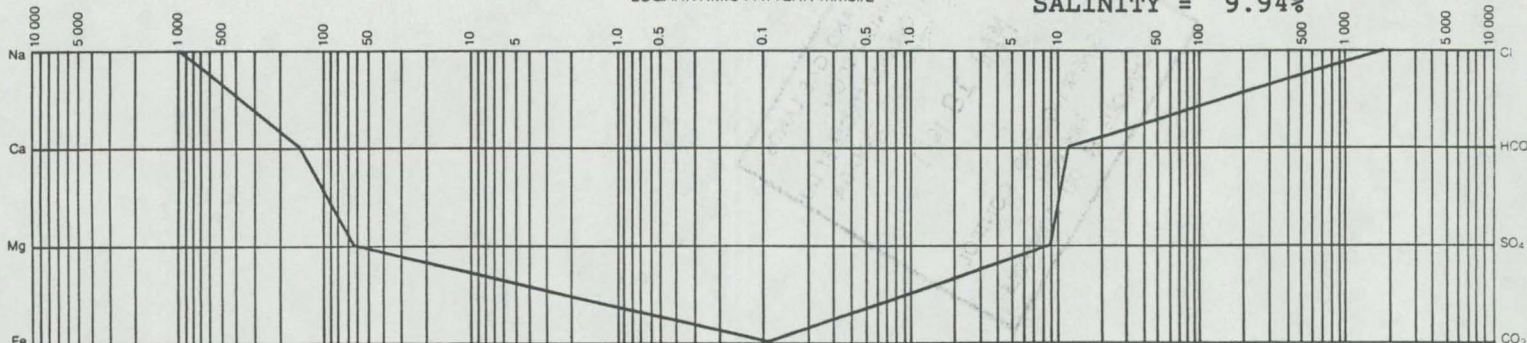
B.H.S.#60

O.P. = Ø kPa

Recovery = 2000 mls Water

SALINITY = 9.94%

LOGARITHMIC PATTERN mmol/L



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 PÉTROLE ET DU
GAZ DES TERRES DU CANADA
MAR 18 1991
ENGINEERING AND CONTROL
BRANCH
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WG1737B

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PB#3

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WELL NAME

KB m ELEVATIONS GRD m

PARAMOUNT et al SWEDE A-52

697.18

FIELD OR AREA

POOL OR ZONE

NAME OF SAMPLER

COMPANY

SWEDE

SULPHUR POINT

BAKER

TEST TYPE

NO

TEST RECOVERY

DST

1

563m

SAMPLING POINT

AMT & TYPE OF CUSHION

MUD RESISTIVITY/Ω m @ 25° C

BUBBLE HOSE

TEST INTERVAL OR PERFS

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mKB

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K			
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ION	mg/L	MASS FRACTION	mmol/L
Cl	951.0	1.000	26.8
Br			
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HCO ₃			
SO ₄			
CO ₃			
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H ₂ S			

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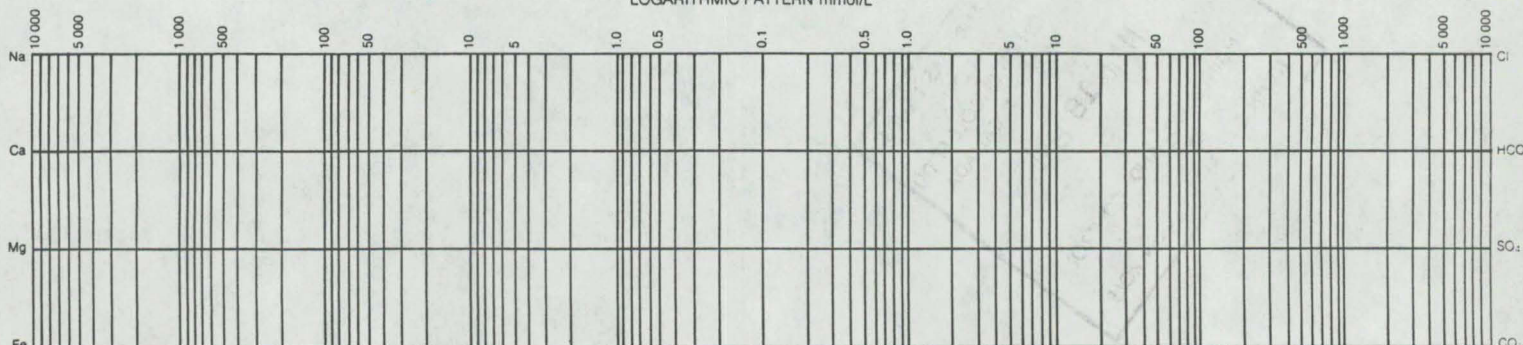
@ 25° C

RESISTIVITY/OHM *m

0.83 @ 25° C

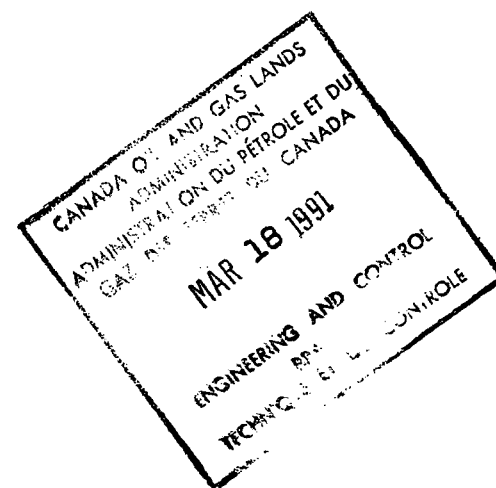
SALINITY=0.17%

LOGARITHMIC PATTERN mmol/L



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PARAMOUNT et al SWEDE A-52

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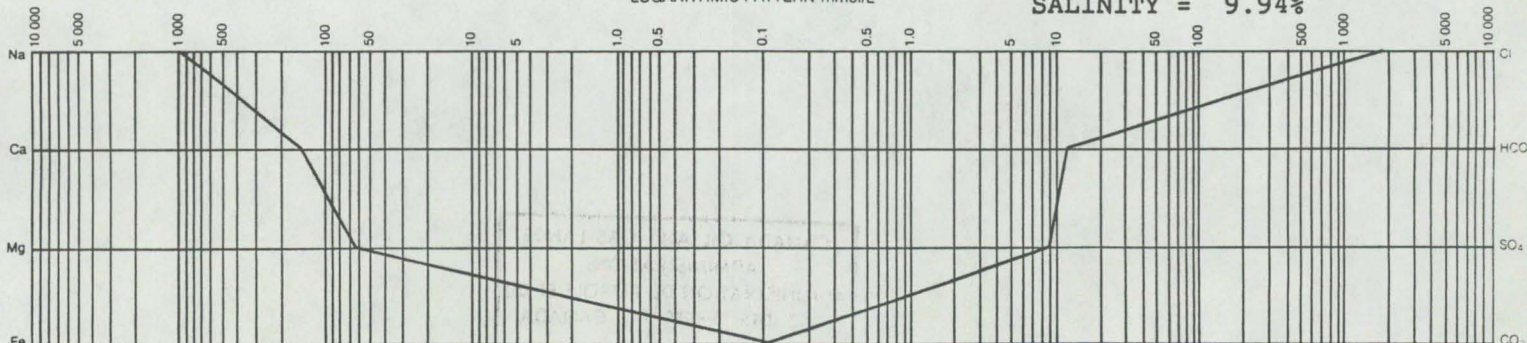
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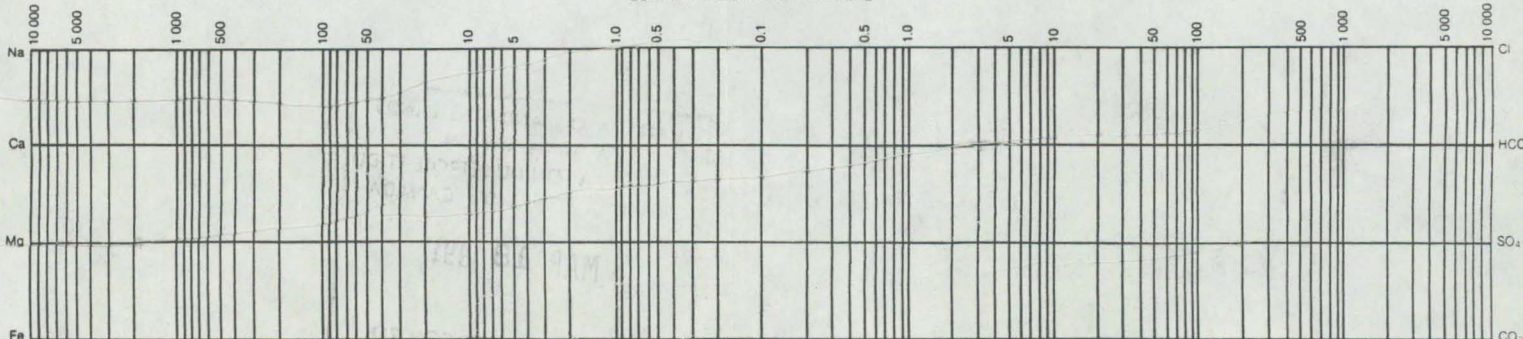
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