

CORE LABORATORIES-CANADA LTD.
CALGARY ALBERTA

COMPANY
WELL

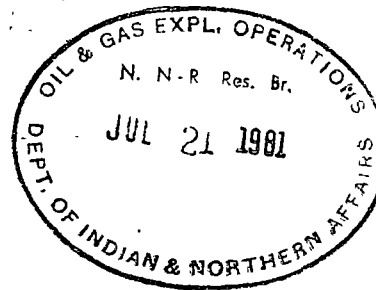
Paramount Resources Ltd.
Paramount HB et al Cameron J-62

PAGE 1 of 1
FILE 7011-81-77
DATE 1981 02 16

Sampled From: Separator Gas
Date Sampled: 1981 02 10

Analysis

Hydrogen Sulphide = 0.0068 mole fraction



Remarks

Hydrogen sulphide determined by Tutwiler.

CONTAINER IDENTITY

866

GAS ANALYSIS

LABORATORY NUMBER

9076-4-2543/1

LICENCE NO

OPERATOR NAME AND ADDRESS

PARAMOUNT RESOURCES LTD.

CPA NUMBER

WELL NAME

PARAMOUNT HB ET AL CAMERON J-62-NWT

ELEVATIONS
METRES GRD
KB 755.00 751.94

FIELD OF AREA

CAMERON LAKE HILLS

POOL OR ZONE

SULPHUR POINT

NAME OF SAMPLER

S. BARKHOUSE

COMPANY

TESTMASTER

TEST RECOVERY

TEST TYPE NO

MULTIPLE RECOVERY

TEST INTERVAL
FROM

TO

PERFORATIONS
FROM

TO

SAMPLING POINT

METER RUN

AMT & TYPE OF CUSHION

MUD RESISTIVITY

@25°C

TYPE OF PRODUCTION

PUMPING

FLOWING

GAS LIFT

SWAB

PRODUCTION RATES

WATER TRACE m³/d

OIL TRACE m³/d

GAS 48.6 10³m³/d

GAUGE PRESSURE - kPa

TEMPERATURES °C

SEPARATOR

TREATER

RESERVOIR

SEPARATOR

TREATER

RESERVOIR

DATE SAMPLED

DATE RECEIVED

DATE REPORTED

ANALYST

1981-02-10

1981-02-19

1981-01-19

G. HOWE

COMP	MOL FRACTION AIR FREE AS RECD	MOL FRACTION AIR FREE ACID GAS FREE	LIQUID VOLUME mL m ⁻³ AIR FREE AS RECD
H ₂	0.0000	0.0000	
He	0.0008	0.0008	
N ₂	0.0445	0.0461	
CO ₂	0.0353	0.0000	
H ₂ S	0.0000	0.0000	
C ₁	0.8944	0.9273	
C ₂	0.0137	0.0142	
C ₃	0.0056	0.0058	20.49
iC ₄	0.0009	0.0009	3.91
nC ₄	0.0018	0.0019	7.54
iC ₅	0.0006	0.0006	2.92
nC ₅	0.0007	0.0007	3.37
C ₆	0.0008	0.0008	4.30
C ₇	0.0009	0.0009	5.41
C ₈			
C ₉			
C ₁₀			
TOTAL	1.0000	1.0000	47.94

GROSS HEATING VALUE
MJ m⁻³ @ 15°C AND 101 325 kPa

(MOISTURE AND ACID GAS FREE)

MEASURED

CALCULATED

DEW POINT

VAPOUR PRESS
PENTANES PLUS

37.000

63.000

RELATIVE DENSITY

MOISTURE FREE AS SAMPLED

MOISTURE AND ACID GAS FREE

MEASURED

CALCULATED

MEASURED

CALCULATED

0.000

0.000

PSEUDO CRITICAL PROPERTIES (CALCULATED)

pPc

AS SAMPLED

pTc

pPc

ACID GAS FREE

pTc

4673.0 kPa

196.0 °K

4573.0 kPa

192.0 °K

REMARKS

ON-SITE H₂S ANALYSIS BY TUTWILER
WAS 0.68% @ 1400 K FEB 10 1981

DETERMINATIONS TO C7+ ONLY

20211-41, Ayrton N.E.
Calgary, Canada T2E 8P2
(403) 276-0827
Telex 032-25541

CHEMEX
LABS (ALBERTA) LTD.

8117 Devon Road
Edmonton, Canada T6E 4M9
(403) 465-9877
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CONTAINER IDENTITY
PLASTIC BOTTLE

CONDENSATE ANALYSIS

LABORATORY NUMBER
9076-4-2543/3

LICENCE NO.

OPERATOR NAME AND ADDRESS

PARAMOUNT RESOURCES

CPA NUMBER

WELL NAME

PARAMOUNT HB ET AL CAMERON J-62-NWT

ELEVATIONS
KB METRES GRD
755.00 751.94

FIELD OF AREA
CAMERON LAKE HILLS

POOL OR ZONE

SULPHUR POINT

NAME OF SAMPLER

STAN BARKHOSE

COMPANY

TEST MASTER

TEST RECOVERY

TEST TYPE NO.

MULTIPLE RECOVERY

TEST INTERVAL

FROM

TO

PERFORATIONS

FROM

TO

SAMPLING POINT
SEPARATOR

AMT & TYPE OF CUSHION

MUD RESISTIVITY

925°C

TYPE OF PRODUCTION

PUMPING

FLOWING

GAS LIFT

SWAB

PRODUCTION RATES

WATER **TRACE** m³/d

OIL **TRACE** m³/d

GAS **48.6** 10³ m³/d

GAUGE PRESSURE - kPa

SEPARATOR

1310

TREATER

RESERVOIR

SEPARATOR

40

TREATER

RESERVOIR

DATE SAMPLED

1981-02-10

DATE RECEIVED

1981-02-19

DATE REPORTED

1981-02-19

ANALYST

G. HOWE

COMP	MOL FRACTION	MASS FRACTION	VOLUME FRACTION
N ₂	0.0000	0.0000	0.0000
CO ₂	0.0000	0.0000	0.0000
H ₂ S	0.0000	0.0000	0.0000
C ₁	0.0000	0.0000	0.0000
C ₂	0.0003	0.0001	0.0001
C ₃	0.0017	0.0005	0.0007
C ₄	0.0010	0.0004	0.0005
nC ₄	0.0033	0.0012	0.0016
IC ₅	0.0051	0.0024	0.0029
nC ₅	0.0067	0.0031	0.0037
C ₆	0.0267	0.0149	0.0168
C ₇₊	0.9552	0.9774	0.9737
C ₈			
C ₉			
C ₁₀			
C ₁₁			
C ₁₂			
TOTAL	0.0000	0.0000	1.0000

PROPERTIES OF RESIDUE AT 15°C

RELATIVE DENSITY

ABSOLUTE DENSITY

RELATIVE MOLECULAR MASS

OBSERVED

CALCULATED

kg m⁻³
CALCULATED

OBSERVED

CALCULATED

0.792

791

158

PROPERTIES OF TOTAL SAMPLE AT 15°C

RELATIVE DENSITY

ABSOLUTE DENSITY

RELATIVE MOLECULAR MASS

OBSERVED

CALCULATED

kg m⁻³
CALCULATED

OBSERVED

CALCULATED

0.788

788

155

REMARKS

SAMPLE APPEARS TO CONTAIN GOOD PERCENTAGE DIESEL FUEL

No diesel was used.

Condensate recovery was very low.

DETAILED COMPONENT SUMMARY

PROJECT NO. 9076-4-2543/3
NAME PARAMOUNT RESOURCES
LOCATION PARAMOUNT HB ET AL CAMERON J-62-NWT
SAMPLE POINT SEPARATOR

COMPONENT	BOILING POINT(C)	MOLE FRACTION	MASS FRACTION	VOLUME FRACTION
NITROGEN	-196	0.0000	0.0000	0.0000
CARBON DIOXIDE	-79	0.0000	0.0000	0.0000
HYDROGEN SULPHIDE	-60	0.0000	0.0000	0.0000
METHANE	-162	0.0000	0.0000	0.0000
ETHANE	-89	0.0003	0.0001	0.0001
PROPANE	-42	0.0017	0.0005	0.0007
ISO-BUTANE	-12	0.0010	0.0004	0.0005
N-BUTANE	-1	0.0033	0.0012	0.0016
ISO-PENTANE	28	0.0051	0.0024	0.0029
N-PENTANE	36	0.0067	0.0031	0.0037
HEXANES	69	0.0267	0.0149	0.0168
HEPTANES	98	0.0369	0.0241	0.0265
OCTANES	126	0.0595	0.0434	0.0465
NONANES	151	0.0396	0.0323	0.0338
DECANES	174	0.0918	0.0819	0.0844
UNDECANES	196	0.0980	0.0943	0.0958
DODECANES	216	0.1270	0.1315	0.1322
TRIDECANES	236	0.1130	0.1241	0.1234
TETRADECANES	253	0.1174	0.1364	0.1347
PENTADECANES	271	0.0813	0.0993	0.0972
HEXADECANES	287	0.0466	0.0596	0.0580
HEPTADECANES	302	0.0309	0.0422	0.0409
OCTADECANES	317	0.0138	0.0199	0.0191
NONADECANES	331	0.0082	0.0124	0.0119
EICOSANES	344	0.0048	0.0079	0.0076
HENEICOSANES	357	0.0022	0.0037	0.0036
DOCOSANES	369	0.0024	0.0042	0.0040
TRICOSANES	380	0.0021	0.0037	0.0035
TETRACOSANES	391	0.0013	0.0025	0.0023
PENTACOSANES	402	0.0008	0.0015	0.0014
HEXACOSANES	412	0.0005	0.0010	0.0009
HEPTACOSANES	422	0.0002	0.0005	0.0005
OCTACOSANES	432	0.0001	0.0002	0.0002
NONACOSANES	441	0.0001	0.0001	0.0001
TRIACONTANES+	449	0.0001	0.0001	0.0001
BENZENE	49	0.0005	0.0002	0.0002
TOLUENE	111	0.0083	0.0050	0.0043
XYLENE	139	0.0416	0.0285	0.0246
1,2,4-TRIMETHYLBENZENE	171	0.0062	0.0050	0.0043
CYCLOPENTANE	49	0.0003	0.0001	0.0001
METHYL CYCLOPENTANE	72	0.0034	0.0019	0.0019
CYCLOHEXANE	81	0.0046	0.0025	0.0024
METHYL CYCLOHEXANE	101	0.0117	0.0074	0.0073
TOTALS		1.0000	1.0000	1.0000

CALGARY
2021 - 41 Avenue NE
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CHEMEX

LABS (ALBERTA) LTD.

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6112 Davies Road
Edmonton, Canada T6E 4A
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Telex 037-41688

CONTAINER IDENTITY
PLASTIC BOTTLE

OIL ANALYSIS

LABORATORY NUMBER

9076-4-254374

LICENCE NO

OPERATOR NAME AND ADDRESS

PARAMOUNT RESOURCES LTD.

CPA NUMBER

WELL NAME

PARAMOUNT HB ET AL CAMERON J-62-NWT

ELEVATION

KB 755.00

751.94

FIELD OF AREA

CAMERON HILLS

POOL OR ZONE

SULPHUR POINT

NAME OF SAMPLER

STAN BARKHOUSE

COMPANY

TEST MASTER

TEST RECOVERY

TEST TYPE NO

MULTIPLE RECOVERY

TEST INTERVAL

FROM

TO

PERFORATIONS

FROM

TO

KB

SAMPLING POINT

SEPARATOR

AMT & TYPE OF CUSHION

MUD RESISTIVITY

TYPE OF PRODUCTION

PUMPING

FLOWING

GAS LIFT

SWAB

PRODUCTION RATES

WATER TRACE m³/d

OIL TRACE m³/d

GAS 46.6 10³ m³/d

GAUGE PRESSURE kPa

SEPARATOR

TREATER

RESERVOIR

SEPARATOR

TREATER

RESERVOIR

DATE SAMPLED

DATE RECEIVED

DATE REPORTED

ANALYST

Y M D HM

Y M D

Y M D

G. HOWE

SAMPLE PROPERTIES

COLOR OF CLEAN OIL

BLACK

WATER

HS

TOTAL BS & W

DENSITY

RELATIVE

ABSOLUTE kg m⁻³

AS RECEIVED

AFTER CLEANING

AS RECEIVED

AFTER CLEANING

TOTAL SULPHUR
MASS FRACTION

0.002

TOTAL SALT
g m⁻³

POUR POINT °C

USBM

ASTM

CARBON RESIDUE

CONRADSON

RAMSBOTTOM

RVP

1.40

VISCOSITY

TEMP °C	DYNAMIC mPa s	KINEMATIC mm ² s ⁻¹

VOLUME FRACTION

VOLUME FRACTION DISTILLED	TEMP °C
.05	105
.10	125
.15	140
.20	150
.25	160
.30	170
.35	177
.40	185
.45	192
.50	200
.55	208
.60	215
.65	223
.70	230
.75	238
.80	245
.85	260
.90	282
.92	288
FBP	
CRACKED	

DISTILLATION

METHOD

D-86

BAROM PRESS kPa

92.79

ROOM TEMP °C

21

INITIAL BOIL PT °C

47

DISTILLATION SUMMARY VOLUME FRACTION

204 C NAPHTHA

0.53

274 C KEROSENE

0.88

343°C LIGHT GAS/OIL

0.92

RECOVERED

0.92

RESIDUE

0.05

DISTILLATION LOSS

0.03

RELATIVE DENSITY

DISTILLATE

RESIDUE

BASE TYPE

CHARACTERIZATION
FACTOR

CALGARY
2021 - 41, Avenue NE
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CHEMEX

LABS (ALBERTA) LTD.

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Telex 037-41696

WATER ANALYSIS

LABORATORY NUMBER

9076-4-2543/2

CONTAINER IDENTITY

PLASTIC

LICENCE NO

OPERATOR NAME AND ADDRESS

PARAMOUNT RESOURCES

CPA NUMBER

WELL NAME

PARAMOUNT H.B. ET AL CAMERON J-62-N.W.T.

ELEVATIONS
METRES
KB 755.00 QAD 751.94

FIELD OF AREA

POOL OR ZONE

NAME OF SAMPLER

COMPANY

CAMERON HILLS

SULPHUR POINT

STAN BARKHOUSE

TESTMASTER

TEST RECOVERY

SAMPLING POINT

AMT & TYPE OF CUSHION

MUD RESISTIVITY

SEPARATOR

@25°C

TYPE OF PRODUCTION

PUMPING

FLOWING

GAS LIFT

SWAB

PRODUCTION RATES

WATER TRICE m³/d

OIL TRICE m³/d

GAS 46.6 10³m³/d

GAUGE PRESSURE - kPa

TEMPERATURES °C

SEPARATOR

TREATER

RESERVOIR

SEPARATOR

TREATER

RESERVOIR

1310

40

DATE SAMPLED

DATE RECEIVED

DATE REPORTED

ANALYST

Y M D HM

Y M D

Y M D

1981-02-10

1981-02-19

1981-02-20

R.S & G.R

TEST TYPE NO

MULTIPLE RECOVERY

TEST INTERVAL FROM

TO

PERFORMATIONS FROM

TO

1384.3

1389.0

KB

ION	C g.m ⁻³	MASS FRACTION	C mol.m ⁻³
Na	2300		100
K	2900		74
Ca	520		22
Mg	180		8
Ba			
Br			
Fe	2		<1

ION	C g.m ⁻³	MASS FRACTION	C mol.m ⁻³
Cl	7000		197
Br			
I			
HCO ₃	1552		25
SO ₄	2150		22
CO ₃			<1
OH			<1
H ₂ S	PRESENT		

TOTAL SOLIDS C/g.m⁻³

BY EVAPORATION

BY EVAPORATION

@ 110°C

@ 180°C

AT IGNITION

CALCULATED

15945

16604

RELATIVE DENSITY

REFRACTIVE INDEX

1.012 @ 21°C

1.340 @ 25°C

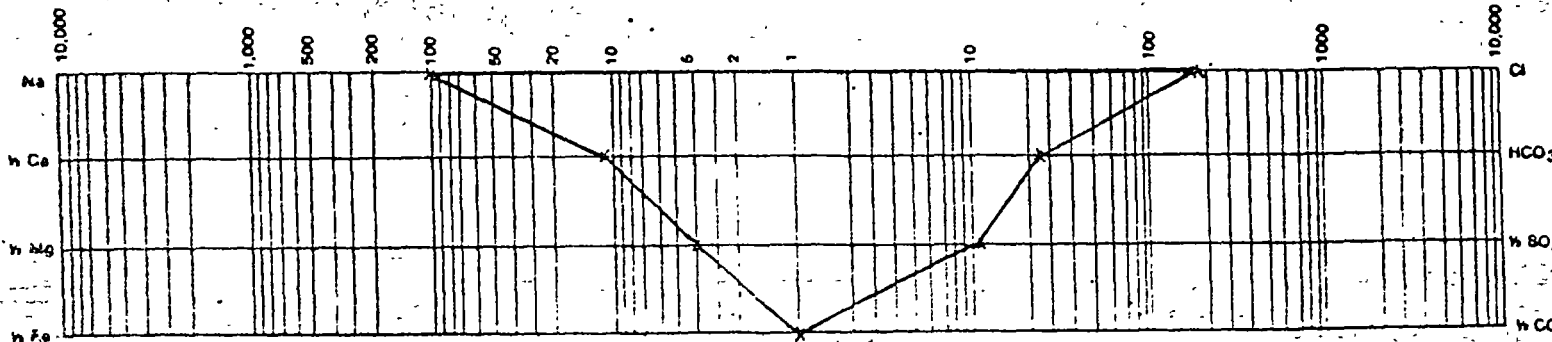
OBSERVED PH

RESISTIVITY Ω.m

7.8 @ 21°C

0.666 @ 25°C

LOGARITHMIC PATTERN C/mol.m⁻³



REMARKS

949

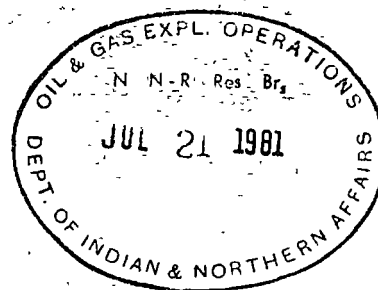
PARAMOUNT RESOURCES LTD.

PARAMOUNT H.B.

J-62

February 7-16, 1981

ALMECH SUB-SURFACE TOOLS LTD.



ALMECH SUBSURFACE TOOLS (1976)LTD.

SUBSURFACE PRESSURE MEASUREMENTS

COMPANY : PARAMOUNT RESOURCES LTD. WELL NAME : PARAMOUNT H.B. J-62
 ADDRESS : CALGARY, ALBERTA. LOCATION : J-62
 FIELD & POOL : SULFER POINT STATUS : GAS
 TYPE OF TEST : GRADIENT DATE OF TEST : FEBRUARY 7, 1981.
 PROD. INT CF : 1381.4 to 1385.9 PROD. THROUGH : TUBING
 ELEV.(CF) : 751.9 (KD) : 755 MID-POINT OF PROD. INT. CF : 1383.65
 POOL DATUM : DATUM DEPTH OF WELL CF : 0.00

STATIC TEST

TUBING PRES : 8384 KPAG
 CASING PRES : N/A
 RUN DEPTH TOP CF : 1381.7
 TEMPERATURE AT RUN DEPTH : 59.6 C
 GRAD. AT RUN DEPTH TOP : 2.980
 PRES. AT RUN DEPTH TOP : 9603.3
 SHUT-IN TIME : N/A
 ON BOTTOM/OFF BOTTOM : 12:01 - 12:06
 SURFACE TEMPERATURE :
 PRES. AT MID-POINT OF PERF. : 9609.2
 DATUM DEPTH PRESS. : 0.0

NOTE : All above units in metric (Depth in metres cf; Pressure in KPAG)

ELEMENT SERIAL NO. : 18121N
 RANGE : 0 - 16200
 CAL. EQUATION : $320.81 * Defl. + 10.17$ LATEST CALIBRATION : 19/11/80
 CLOCK RANGE : 3 HOURS

TOP RECORDER DEPTH (M-cf)	DEFLECTION mm	CALCULATED PRESSURE KPAG	CORRECTION P + PC KPAG	CORRECTED PRESSURE KPAG	GRADIENT KPAG/M
-1.8	26.085	8378.4	1.0	8379.4	0.000
607.8	27.765	8917.4	-.4	8917.0	.882
1217.4	29.272	9400.8	-1.6	9399.2	.791
1290.2	29.466	9463.1	-1.8	9461.3	.853
1320.7	29.552	9490.7	-1.9	9488.8	.902
1351.2	29.626	9514.4	-1.9	9512.5	.776
1381.7	29.910	9605.5	-2.2	9603.3	2.980

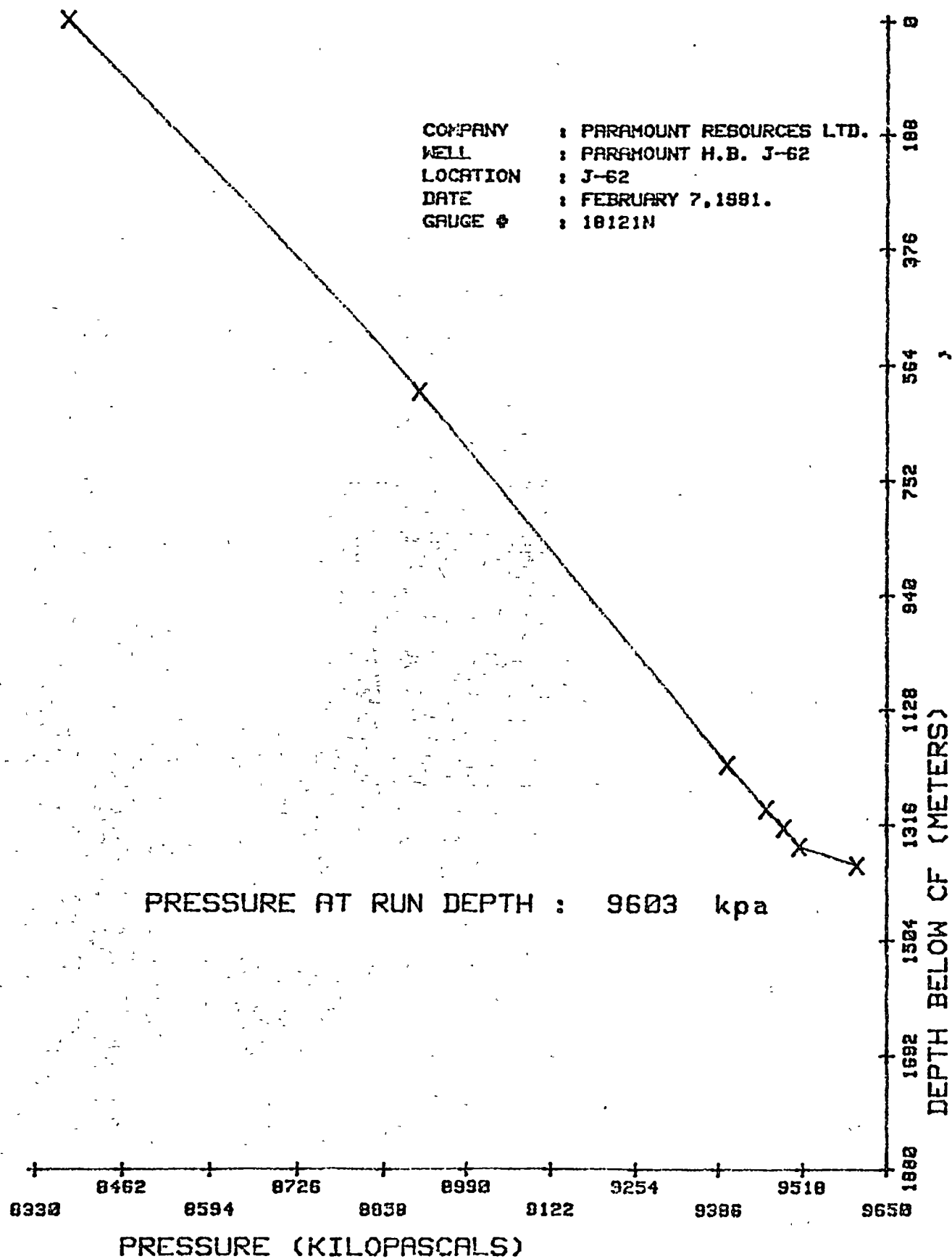
REMARKS :

NO TOP CHART DUE TO CLOCK FAILURE.

SURVEY COMPANY : ALMECH SUBSURFACE TOOLS (1976)LTD. TEST BY : D.B.

INTERPRETATION BY : E. S. KYLE INSTRUMENT LTD.

COMPANY : PARAMOUNT RESOURCES LTD.
WELL : PARAMOUNT H.B. J-62
LOCATION : J-62
DATE : FEBRUARY 7, 1981.
GAUGE # : 18121N



ALMECH SUBSURFACE TOOLS (1976) LTD.

SUBSURFACE PRESSURE MEASUREMENTS

COMPANY : PARAMOUNT RESOURCES LTD. WELL NAME : PARAMOUNT H.B. J-62
 ADDRESS : CALGARY, ALBERTA. LOCATION : J-62
 FIELD & POOL : SULFUR POINT STATUS : GAS
 TYPE OF TEST : FOUR POINT DATE OF TEST : FEBRUARY 7 - 16, 1981
 PROD. INT CF : 1381.4 to 1385.2 PROD. THROUGH : TUBING
 ELEV.(CF) : 751.9 (KR) : 755 MID-POINT OF PROD. INT. CF : 1383.65
 POOL DATUM : DATUM DEPTH OF WELL CF : 0.00

STATIC TEST

TUBING PRES : 8384 KPAG SHUT-IN TIME : FEB.10 2310h.1981
 CASING PRES : 0 KPAG ON/OFF BOT. : 7/2-1342h - 16/2-1105h
 RUN DEPTH CF : 1368.2 SURFACE TEMP. :
 TEMPERATURE AT RUN DEPTH : 55.6 C PRES. AT MID-POINT OF PERF. : 29.0
 PRES. AT RUN DEPTH : 0.0 DATUM DEPTH PRESS. : 0.0

NOTE : All above units in metric (Depth in metres cf; Pressure in KPAG)

ELEMENT SERIAL NO. : 10121N
 RANGE : 0 - 16200 CLOCK RANGE : 180 HOURS
 CAL. EQU. : 320.01 * Defl. + 10.17 LATEST CALIBRATION : 19/11/80

COMMENTS	TIME hrs	DEFL mm	PRESSURE KPAG			
			CALC	CORR	CORRECTED	MIDPNT
Depth : 1368.2 m-cf						
ON BOTTOM	0.00	29.650	9522.1	-1.9	9520.2	9549.2
FEB.7 1342h.	4.00	29.653	9523.1	-1.9	9521.1	9550.1
	8.00	29.653	9523.1	-1.9	9521.1	9550.1
	12.00	29.653	9523.1	-1.9	9521.1	9550.1
	16.00	29.645	9520.5	-1.9	9518.6	9547.6
FEB.8 0900h.	19.30	29.658	9524.7	-1.9	9522.7	9551.7
FLOW RATE #1	0.00	29.658	9524.7	-1.9	9522.7	9551.7
	.25	26.983	8666.5	.2	8666.7	8695.8
	.50	20.805	6684.6	2.8	6687.3	6716.3
	.75	20.722	6657.9	2.8	6660.7	6689.7
	1.00	21.764	6992.2	2.5	6994.7	7023.7
	1.50	22.659	7279.3	2.2	7281.5	7310.6
FEB.8 1100h.	2.00	23.197	7451.9	2.0	7454.0	7483.0
SHUT IN	0.00	23.197	7451.9	2.0	7454.0	7483.0
	.25	28.445	9135.5	-1.0	9134.6	9163.6
	.50	29.052	9330.2	-1.4	9328.8	9357.8
	.75	29.231	9387.7	-1.6	9386.1	9415.1
	1.00	29.286	9405.3	-1.6	9403.7	9432.7
FEB.8 1300h.	2.00	29.317	9415.3	-1.7	9413.6	9442.6
FLOW RATE #2	0.00	29.317	9415.3	-1.7	9413.6	9442.6

REMARKS :

GRADIENT OF 1.878 KPAG/M WAS USED TO EXTRAPOLATE TO MPP.
 GRADIENT WAS TAKEN FROM TEST DONE ON FEB.7 1981.
 NO TOP CHART DUE TO CLOCK FAILURE.

SURVEY COMPANY : ALMECH SUBSURFACE TOOLS(1976)LTD. TEST-BY : D.B.

ALMECH SUBSURFACE TOOLS (1976) LTD.

SUBSURFACE PRESSURE MEASUREMENTS

COMPANY : PARAMOUNT RESOURCES LTD. WELL NAME : PARAMOUNT H.B. J-62
 DATE OF TEST : FEBRUARY 7 - 16, 1981 LOCATION : J-62
 DEPTH : 1368.2 SERIAL NO. : 18121N

COMMENTS	TIME hrs	DEFL mm	PRESSURE KPAG			
			CALC	CORR	CORRECTED	MIDPNT
	.25	18.901	6073.7	3.4	6077.1	6106.1
	.50	18.634	5988.1	3.5	5991.6	6020.6
	.75	19.113	6141.7	3.3	6145.1	6174.1
	1.00	19.717	6335.5	3.1	6338.6	6367.6
	1.50	20.197	6489.5	3.0	6492.5	6521.5
FEB.8 1500h.	2.00	20.062	6446.2	3.0	6449.2	6478.2
SHUT IN	0.00	20.062	6446.2	3.0	6449.2	6478.2
	.25	20.213	9061.1	-1.8	9060.3	9089.3
	.50	29.029	9322.9	-1.4	9321.4	9350.5
	1.00	29.213	9381.9	-1.6	9380.3	9409.3
FEB.8 1700h.	2.00	29.269	9399.9	-1.6	9398.2	9427.3
FLOW RATE #3	0.00	29.269	9399.9	-1.6	9398.2	9427.3
	.25	13.641	4386.3	5.4	4391.6	4420.7
	.50	14.212	4569.5	5.1	4574.6	4603.6
	.75	14.221	4572.4	5.1	4577.5	4606.5
	1.00	14.631	4703.9	5.0	4708.9	4737.9
	1.50	14.517	4667.3	5.0	4672.3	4701.4
FEB.8 1900h.	2.00	14.831	4768.1	4.9	4773.0	4802.0
SHUT IN	0.00	14.831	4768.1	4.9	4773.0	4802.0
	.25	24.075	7733.6	1.8	7735.4	7764.4
	.50	28.540	9166.0	-1.0	9165.0	9194.0
	.75	29.283	9404.4	-1.6	9402.7	9431.7
	1.00	29.431	9451.8	-1.8	9450.1	9479.1
FEB.8 2100h.	2.00	29.594	9504.1	-1.9	9502.2	9531.2
FLOW RATE #4	0.00	29.594	9504.1	-1.9	9502.2	9531.2
	.25	11.099	3570.8	5.8	3576.6	3605.6
	.50	12.189	3920.5	5.7	3926.2	3955.2
WELL FREEZING OFF	.75	11.927	3836.4	5.7	3842.1	3871.1
	1.00	11.982	3854.1	5.7	3859.8	3888.8
	1.25	10.287	3310.3	5.8	3316.1	3345.1
	2.00	13.840	4450.1	5.3	4455.4	4484.4
EXTENDED FLOW	3.00	14.040	4514.3	5.2	4519.5	4548.5
	3.50	13.677	4397.8	5.3	4403.2	4432.2
	3.75	13.617	4378.6	5.4	4384.0	4413.0
	4.00	23.918	7683.2	1.8	7685.0	7714.1
	4.50	28.445	9135.5	-1.0	9134.6	9163.6
	5.00	14.408	4632.4	5.1	4637.4	4666.4
	6.00	14.567	4683.4	5.0	4688.4	4717.4
	7.00	14.508	4664.4	5.0	4669.5	4698.5
	8.00	18.797	6104.5	3.4	6107.9	6136.9

ALMECH SUBSURFACE TOOLS (1976) LTD.

SUBSURFACE PRESSURE MEASUREMENTS

COMPANY : PARAMOUNT RESOURCES LTD. WELL NAME : PARAMOUNT H.B. J-62
 DATE OF TEST : FEBRUARY 7 - 16, 1981 LOCATION : J-62
 DEPTH : 1368.2 SERIAL NO. : 18121N

COMMENTS	TIME hrs	DEFL mm	PRESSURE KPAC			
			----- CALC	CORR	CORRECTED	MIDPNT
	9.00	20.034	6437.2	3.0	6440.2	6469.2
	10.00	20.111	6461.9	3.0	6464.9	6493.9
	11.00	20.998	6746.5	2.7	6749.2	6770.2
	12.00	20.416	6559.8	2.9	6562.7	6591.7
	13.00	20.056	6444.3	3.0	6447.3	6476.3
	14.00	20.193	6488.2	3.0	6491.2	6520.2
	14.25	20.193	6488.2	3.0	6491.2	6520.2
	14.50	16.904	5433.1	4.1	5437.2	5466.2
	15.00	14.448	4645.2	5.0	4650.2	4679.3
	16.00	13.697	4404.3	5.3	4409.6	4438.6
	17.00	13.641	4386.3	5.4	4391.6	4420.7
	18.00	13.664	4393.7	5.3	4399.0	4428.0
	19.00	13.462	4328.9	5.4	4334.3	4363.3
	20.00	13.309	4279.8	5.5	4285.3	4314.3
	24.00	13.218	4250.6	5.5	4256.1	4285.1
	28.00	13.132	4223.0	5.5	4228.5	4257.6
	32.00	13.068	4202.5	5.6	4208.0	4237.1
	36.00	13.027	4189.3	5.6	4194.9	4223.9
	40.00	13.107	4215.0	5.5	4220.5	4249.5
	44.00	13.069	4202.8	5.6	4208.4	4237.4
	48.00	12.874	4140.2	5.6	4145.9	4174.9
	50.17	12.899	4148.3	5.6	4153.9	4182.9
FEB.10 2310h.	0.00	12.899	4148.3	5.6	4153.9	4182.9
SHUT IN	.25	22.504	7229.6	2.3	7231.9	7260.9
	.50	26.680	8569.3	.5	8569.8	8598.8
	.75	27.664	8885.0	-.3	8884.7	8913.7
	1.00	27.690	8893.3	-.3	8893.0	8922.0
	1.25	28.464	9141.6	-1.0	9140.6	9169.7
	1.50	28.532	9163.4	-1.0	9162.4	9191.4
	1.75	28.514	9157.7	-1.0	9156.6	9185.7
	2.00	28.399	9120.8	-.9	9119.8	9148.9
	2.50	28.313	9093.2	-.8	9092.3	9121.3
	3.00	28.192	9054.4	-.7	9053.6	9082.6
	4.00	28.228	9065.9	-.8	9065.1	9094.1
	5.00	28.288	9085.2	-.8	9084.3	9113.3
	6.00	28.353	9106.0	-.9	9105.1	9134.1
	8.00	28.500	9153.2	-1.0	9152.2	9181.2
	10.00	28.600	9185.2	-1.1	9184.2	9213.2
	14.00	28.762	9237.2	-1.2	9236.0	9265.0
	18.00	28.865	9270.3	-1.3	9269.0	9298.0

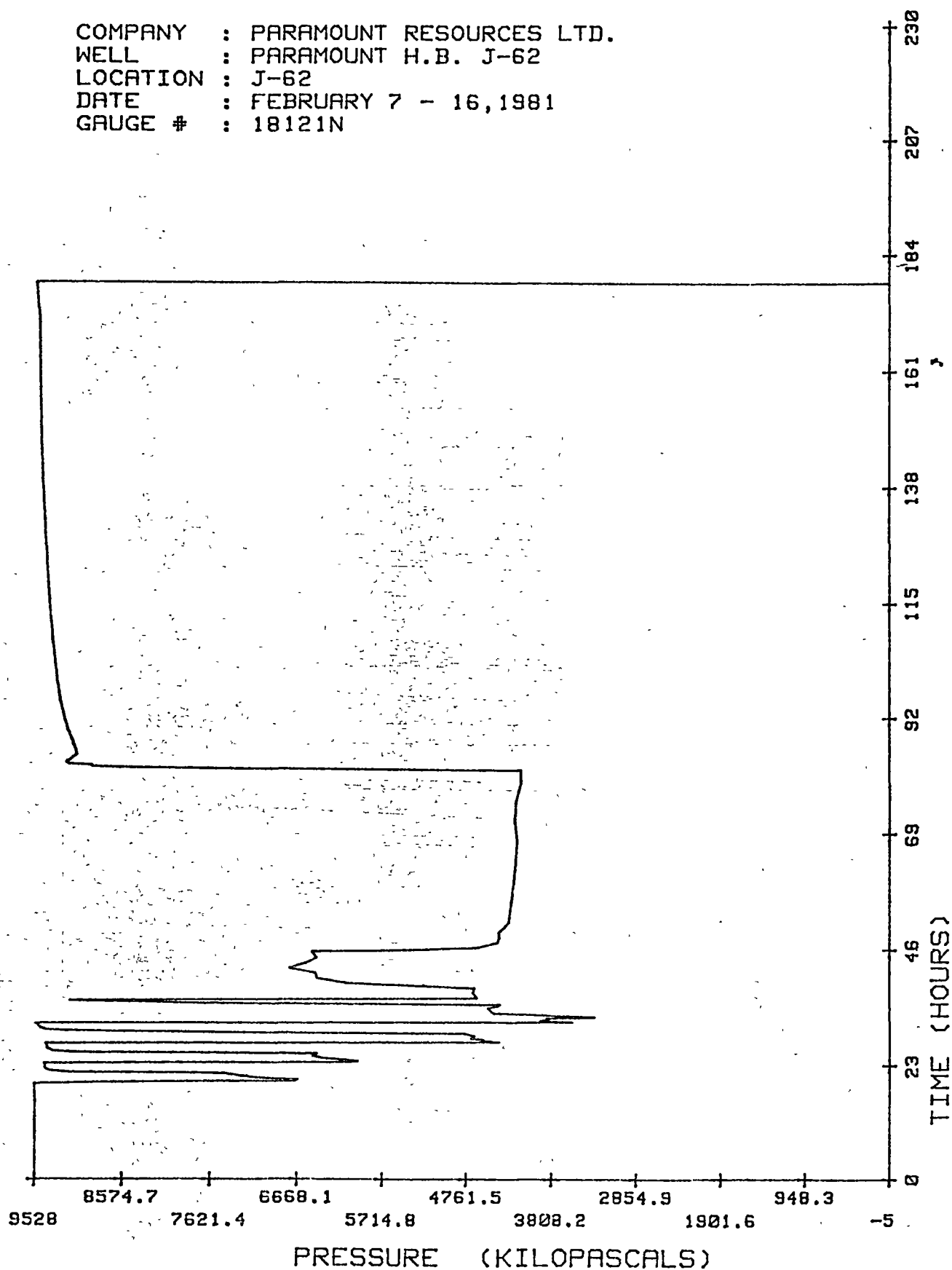
ALMECH SUBSURFACE TOOLS (1976) LTD.

SUBSURFACE PRESSURE MEASUREMENTS

COMPANY : PARAMOUNT RESOURCES LTD. WELL NAME : PARAMOUNT H.B. J-62
 DATE OF TEST : FEBRUARY 7 - 16, 1981 LOCATION : J-62
 DEPTH : 1368.2 SERIAL NO. : 18121N

COMMENTS	TIME hrs	DEFL mm	PRESSURE KPAG			
			CALC	CORR	CORRECTED	MIDPNT
	26.00	29.016	9318.7	-1.4	9317.3	9346.3
	34.00	29.140	9358.5	-1.5	9357.0	9386.0
	42.00	29.222	9384.8	-1.6	9383.2	9412.2
	50.00	29.287	9405.6	-1.6	9404.0	9433.0
	58.00	29.361	9429.4	-1.7	9427.7	9456.7
	66.00	29.409	9444.8	-1.7	9443.0	9472.0
	74.00	29.445	9456.3	-1.8	9454.6	9483.6
	82.00	29.460	9461.1	-1.8	9459.4	9488.4
	90.00	29.485	9469.2	-1.8	9467.4	9496.4
CLOCK EXPIRED	97.00	29.565	9494.8	-1.9	9493.0	9522.0
OFF BOTTOM	0.00	0.000	10.2	-10.2	0.0	29.0
FEB.16 1105h.	0.00	0.000	10.2	-10.2	0.0	29.0

COMPANY : PARAMOUNT RESOURCES LTD.
WELL : PARAMOUNT H.B. J-62
LOCATION : J-62
DATE : FEBRUARY 7 - 16, 1981
GAUGE # : 18121N



ALMECH SUBSURFACE TOOLS (1976) LTD.

SUBSURFACE PRESSURE MEASUREMENTS

COMPANY : PARAMOUNT RESOURCES LTD. WELL NAME : PARAMOUNT H.R. J-62
 ADDRESS : CALGARY, ALBERTA. LOCATION : J-62
 FIELD & POOL : SULFER POINT STATUS : GAS
 TYPE OF TEST : GRADIENT DATE OF TEST : FEBRUARY 16, 1981.
 PROD. INT CF : 1381.4 to 1385.9 PROD. THROUGH : TUBING
 ELEV.(CF) : 751.9 (KB) : 755 MID-POINT OF PROD. INT. CF : 1383.65
 POOL DATUM : DATUM DEPTH OF WELL CF : 0.00

STATIC TEST

TUBING PRES : 8384 KPAG SHUT-IN TIME : FEB. 10 23:10h. 1981
 CASING PRES : 0 KPAG ON BOTTOM/OFF BOTTOM : 13:46 - 13:51
 RUN DEPTH TOP CF : 1381.7 SURFACE TEMPERATURE :
 TEMPERATURE AT RUN DEPTH : 55.6 C PRES. AT MID-POINT OF PERF. : 9510.1
 GRAD. AT RUN DEPTH TOP : 1.416 DATUM DEPTH PRESS. : 0.0
 PRES. AT RUN DEPTH TOP : 9507.4

NOTE : All above units in metric (Depth in metres cf; Pressure in KPAG)

ELEMENT SERIAL NO. : 18121N
 RANGE : 0 - 16200 CLOCK RANGE : 3 HOURS
 CAL. EQUATION : $320.81 * Defl. + 10.17$ LATEST CALIBRATION : 19/11/80

TOP RECORDER DEPTH (M-CF)	DEFLECTION MM	CALCULATED PRESSURE KPAG	CORRECTION P.P.C. KPAG	CORRECTED PRESSURE KPAG	GRADIENT KPAG/M
-1.8	26.047	8366.2	1.0	8367.2	0.000
607.8	27.640	8877.3	1.3	8877.0	.036
1217.4	29.147	9360.7	-1.5	9359.2	.791
1290.2	29.333	9420.4	-1.7	9418.7	.818
1320.7	29.401	9442.2	-1.7	9440.5	.713
1351.2	29.475	9465.9	-1.8	9464.2	.776
1381.7	29.610	9509.3	-1.9	9507.4	1.416

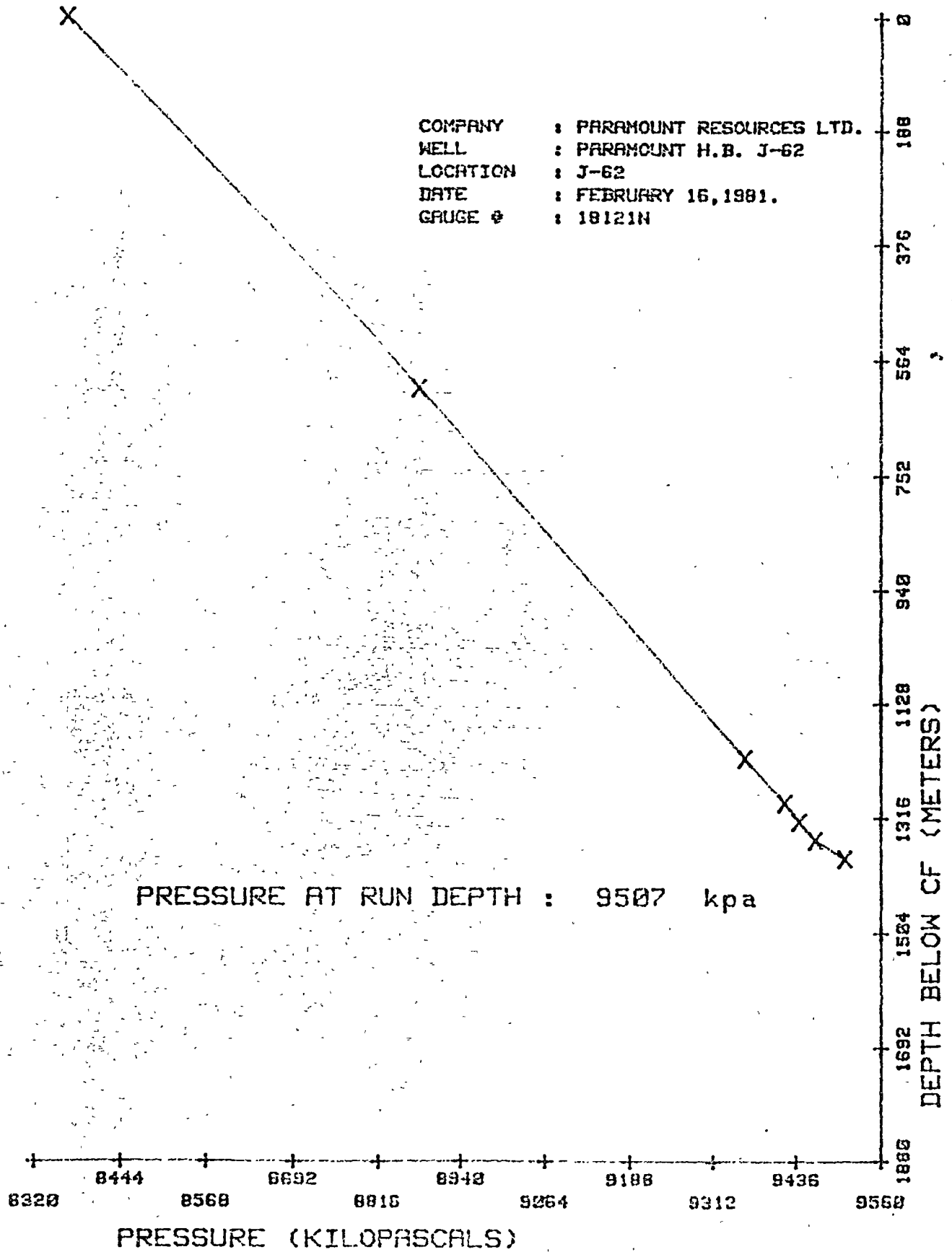
REMARKS :

NO TOP CHART DUE TO CLOCK FAILURE.

SURVEY COMPANY : ALMECH SUBSURFACE TOOLS (1976) LTD. TEST BY : D.B.

INTERPRETATION BY : E. S. KYLE INSTRUMENT LTD.

COMPANY : PARAMOUNT RESOURCES LTD.
WELL : PARAMOUNT H.B. J-62
LOCATION : J-62
DATE : FEBRUARY 16, 1981.
GAUGE # : 18121N



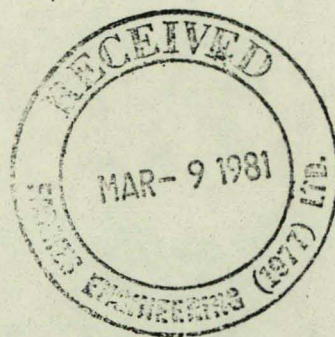
TESTMASTER

TESTMASTER PRODUCTION SERVICES LTD.

1007D - 55th AVENUE N.E.

CALGARY, ALBERTA, CANADA T2E 6W1

PHONE (403) 274-5777



Paramount Resources Limited

Paramount H.B. et al Cameron

J-62-N.W.T.

4 Point Extended Rate

February 7th - 11th, 1981

Testmaster Production Services Ltd.



OTHER _____

[illegible]

CUSTOMER Paramount Resources Ltd.

TEST OPERATOR S. Barkhouse & B. McConnell

REP. BY M. Maddocks

NO. 1 HEATER .75m BTU H.P. METER SIZE 73.53^{mm} DIFF. RANGE 0-50 kPa

WELL Paramount H.B. et al Cameron GAS TO FLARE X

CHOKE _____ L.P. METER SIZE _____ DIFF. RANGE _____

LOCATION J-62-N.W.T. PIPELINE _____

OTHER _____

DATE Feb. 8/81 TIME	WELLHEAD DATA			Choke Size	H.P. SEP. GAS METERING					COND or L.P. SEP GAS METERING				LIQUID PRODUCTION								GAS PRODUCTION
	TUBING Pressure	Flow Temp	CASING Pressure		STATIC PRESSURE		Diff.	Temp	Orifice Plate Size	Static Pressure	Diff.	Temp	Orifice Plate Size	CAP <u>64m3</u>		CAP _____		Cumul. Oil, Cond Prod.	Cumul. Water Prod.			
					or Prover									_____ per _____								
					Recorder	D.W.G.								<u>1</u> cm	<u>.104</u> m3	_____	_____					
IMP. Units	PSIG	°F	PSIG	Inches	PSIG	PSIG	Inches	°F	Inches	PSIG	Inches	°F	Inches	Ft-In	Barrels	Ft-In	Barrels	Barrels	Barrels	ft ³ /day		
SI Units	Pga kPa	°C	Pga kPa	mm	Pga kPa	Pga kPa	kPa	°C	mm	Pga kPa	kPa	°C	mm	C m	m3	m	m3	m3	m3	m3/day		
0845	8400				Shut in pressure																	
0855					Pressure test flow line																	
0900	8400			4.76	Open well on 4.76mm choke through separator																	
					on 1st Rate of 4 Point test.																	
0905	7500																					
0910	7000																					
0915	6550	-7		4.76	1241		16	44	25.4											19.78x10 ³ /D		
0930	5510	-5			1654		17	44												23.17x10 ³ /D		
0945	5750	-3			1654		15	39												22.04x10 ³ /D		
1000	6000	-1			1758		15	38												22.89x10 ³ /D		
1030	6220	-2			1758		16	38												22.61x10 ³ /D		
1100	6450	-2			1758		16	42		End of 1st Rate Shut in for 2 hr. Build-ups										23.03x10 ³ /D		
1105	6710																					
REMARKS _____										GAS PRODUCTION (24 hr.) _____				LIQUID PROD. BALANCE				TANK NO. 1		TANK NO. 2		
										GAS PRODUCTION CUMULATIVE _____				OPENING GAUGE				Cond.	Water	Cond.	Water	
										LIQUID PRODUCTION (24 hr.) _____				PLUS PRODUCTION								
										Condensate/Oil _____ Water _____				TOTALS								
										LIQUID PRODUCTION CUMULATIVE _____				MINUS SHIPPING								
										Condensate/Oil _____ Water _____				EQUALS CLOSING GAUGE								

CUSTOMER Paramount Resources Ltd.

TEST OPERATOR S. Barkhouse & B. McConnell

REP. BY M. Maddocks

NO. 1 HEATER .75m BTU H.P. METER SIZE 73.53^{mm} DIFF. RANGE 0-50 kPa

WELL Paramount H.B. et al Cameron GAS TO FLARE X

CHOKE _____ L.P. METER SIZE _____ DIFF. RANGE _____

LOCATION J-62-N.W.T. PIPELINE _____

OTHER _____

DATE Feb. 8/81 TIME	WELLHEAD DATA				H.P. SEP. GAS METERING					COND or L.P. SEP GAS METERING				LIQUID PRODUCTION								GAS PRODUCTION	
	TUBING Pressure	Flow Temp	CASING Pressure	Choke Size	STATIC PRESSURE		Diff.	Temp	Orifice Plate Size	Static Pressure	Diff.	Temp	Orifice Plate Size	CAP <u>64m3</u>		CAP _____		Cumul. Oil, Cond. Prod.	Cumul. Water Prod.				
					or Prover									1 _____ cm	per .104 m3	_____	per _____						
					Recorder	D.W.G.																	
IMP. Units	PSIG	°F	PSIG	Inches	PSIG	PSIG	Inches	°F	Inches	PSIG	Inches	°F	Inches	Ft-lbs	Barrels	Ft-lbs	Barrels	Barrels	Barrels	ft3/day			
SI Units	Pga kPa	°C	Pga kPa	mm	Pga kPa	Pga kPa	kPa	°C	mm	Pga kPa	kPa	°C	mm	C m	m3	m	m3	m3	m3	m3/day			
1110	6980																						
1115	7220																						
1130	8220																						
1145	8265																						
1200	8275																						
1230	8280																						
1300	8285																						
1305	7200	-2		Open well through separator on 7.14mm choke to start Second Rate.																			
1310	5700	-2																					
1315	5050	-1		7.14	1655		35	33	25.4											35.89x10 ³ /d			
1330	4885	0			1655		32	20												31.65x10 ³ /d			
1345	5000	0			2172		24	42	Back pressure valve malfunctioning											31.09x10 ³ /d			
REMARKS _____										GAS PRODUCTION (24 hr.) _____					LIQUID PROD. BALANCE					TANK NO. 1		TANK NO. 2	
										GAS PRODUCTION CUMULATIVE _____					OPENING GAUGE					Cond.	Water	Cond.	Water
										LIQUID PRODUCTION (24 hr.) _____					PLUS PRODUCTION								
										Condensate/Oil _____ Water _____					TOTALS								
										LIQUID PRODUCTION CUMULATIVE _____					MINUS SHIPPING								
										Condensate/Oil _____ Water _____					EQUALS CLOSING GAUGE								

CUSTOMER Paramount Resources Ltd.

TEST OPERATOR S. Barkhouse & B. McConnell

REP. BY M. Maddocks

NO. 1 HEATER .75m BTU H.P. METER SIZE 73.53^{mm} DIFF. RANGE 0-50 kPa

WELL Paramount H.B. et al Cameron GAS TO FLARE X

CHOKE _____ L.P. METER SIZE _____ DIFF. RANGE _____

LOCATION J-62-N.W.T. PIPELINE _____

OTHER _____

DATE Feb. 8/81 TIME	WELLHEAD DATA				H.P. SEP. GAS METERING					COND or L.P. SEP GAS METERING				LIQUID PRODUCTION								GAS PRODUCTION
	TUBING Pressure	Flow Temp	CASING Pressure	Choke Size	STATIC PRESSURE		Diff.	Temp	Orifice Plate Size	Static Pressure	Diff.	Temp	Orifice Plate Size	CAP <u>64m3</u>		CAP _____		Cumul. Oil, Cond. Prod.	Cumul. Water Prod.			
					or Prover									Fi-Ins	Barrels	Fi-Ins	Barrels					
					Recorder	D.W.G.																
IMP. Units	PSIG	°F	PSIG	Inches	PSIG	PSIG	Inches	°F	Inches	PSIG	Inches	°F	Inches	Fi-Ins	Barrels	Fi-Ins	Barrels	Barrels	Barrels	ft3/day		
SI Units	Pga kPa	°C	Pga kPa	mm	Pga kPa	Pga kPa	kPa	°C	mm	Pga kPa	kPa	°C	mm	C m	m3	m	m3	m3	m3	m3/day		
1400	5115	1		7.14	1862		32	40	25.4											33.63x10 ³ /D		
1430	5270	1			1551		36	42												33.07x10 ³ /D		
1500	5145	1			1551		38	40		End of Second Rate										33.91x10 ³ /D		
1505	6030																					
1510	7600																					
1515	7800																					
1530	8090																					
1545	8120																					
1600	8140																					
1630	8190																					
1700	8200				Third Rate on 34.9mm orifice plate						Open well through separator on 9.53mm choke											
1705	4000																					

REMARKS	GAS PRODUCTION (24 hr.)		LIQUID PROD. BALANCE		TANK NO. 1		TANK NO. 2	
	GAS PRODUCTION CUMULATIVE		OPENING GAUGE		Cond.	Water	Cond.	Water
	LIQUID PRODUCTION (24 hr.)		PLUS PRODUCTION					
	Condensate/Oil _____ Water _____		TOTALS					
	LIQUID PRODUCTION CUMULATIVE		MINUS SHIPPING					
	Condensate/Oil _____ Water _____		EQUALS CLOSING GAUGE					

OTHER _____

REMARKS	GAS PRODUCTION (24 hr.)	LIQUID PROD. BALANCE	TANK NO. 1		TANK NO. 2	
			Cond.	Water	Cond.	Water
Estimated flow rate for 4 Point	GAS PRODUCTION CUMULATIVE	OPENING GAUGE				
24 hr. production $13.65 \times 10^3 \text{ xm}^3$	LIQUID PRODUCTION (24 hr.)	PLUS PRODUCTION				
	Condensate/Oil Water	TOTALS				
	LIQUID PRODUCTION CUMULATIVE	MINUS SHIPPING				
	Condensate/Oil Water	EQUALS CLOSING GAUGE				

CUSTOMER Paramount Resources Ltd. TEST OPERATOR S. Barkhouse & B. McConnell

REP. BY M. Maddocks NO. 1 HEATER .75m BTU H.P. METER SIZE 73.53^{mm} DIFF. RANGE 0-50 kPa

WELL Paramount H.B. et al Cameron GAS TO FLARE X CHOKE 25.4mm L.P. METER SIZE _____ DIFF. RANGE _____

LOCATION J-62-N.W.T. PIPELINE _____ OTHER _____

DATE Feb. 8/81 TIME	WELLHEAD DATA				H.P. SEP. GAS METERING					COND or L.P. SEP GAS METERING				LIQUID PRODUCTION								GAS PRODUCTION	
	TUBING Pressure	Flow Temp	CASING Pressure	Choke Size	STATIC PRESSURE		Diff.	Temp	Orifice Plate Size	Static Pressure	Diff.	Temp	Orifice Plate Size	CAP <u>64m3</u>		CAP _____		Cumul. Oil, Cond. Prod.	Cumul. Water Prod.				
					or Prover									_____ per _____									
					Recorder	D.W.G.								_____ cm	_____ m3	_____ m	_____ m3						
IMP. Units	PSIG	°F	PSIG	Inches	PSIG	PSIG	Inches	°F	Inches	PSIG	Inches	°F	Inches	Fi-Ins	Barrels	Fi-Ins	Barrels	Barrels	Barrels				
SI Units	Pga kPa	°C	Pga kPa	mm	Pga kPa	Pga kPa	kPa	°C	mm	Pga kPa	kPa	°C	mm	C m	m3	m	m3	m3	m3				
2300	3200	3		9.53					33	38.1	Cut choke back for extended rate to 9.53mm choke												
2330	3770	4							39														
2400	3800	3							40														
February 9th, 1981					Meter replaced and in service.																		
0030	3655	3			2069		13	39															
0100	3690	1			2275		12	41											52.00x10 ³ /D				
0115	7100							41		Safety shut down valve closed.													
0135	7995							42		Back pressure valve stuck open													
0140	7800	-6						43		use manual block valve.													
0145	5200	1						42															
0200	3835	2			1241		23	45											54.26x10 ³ /D				
0215	3850	3			1310		20	43															
REMARKS										GAS PRODUCTION (24 hr.)					LIQUID PROD. BALANCE					TANK NO. 1		TANK NO. 2	
										GAS PRODUCTION CUMULATIVE					OPENING GAUGE					Cond.	Water	Cond.	Water
										LIQUID PRODUCTION (24 hr.)					PLUS PRODUCTION								
										Condensate/Oil _____ Water _____					TOTALS								
										LIQUID PRODUCTION CUMULATIVE					MINUS SHIPPING								
										Condensate/Oil _____ Water _____					EQUALS CLOSING GAUGE								

CUSTOMER Paramount Resources Ltd.

TEST OPERATOR S. Barkhouse & B. McConnell

REP. BY M. Maddocks

NO. 1 HEATER .75m BTU H.P. METER SIZE 73.53^{mm} DIFF. RANGE 0-50 kPa

WELL Paramount H.B. et al Cameron GAS TO FLARE X

CHOKE 25.4mm L.P. METER SIZE _____ DIFF. RANGE _____

LOCATION J-62-N.W.T. PIPELINE _____

OTHER _____

DATE Feb. 9/81 TIME	WELLHEAD DATA				H.P. SEP. GAS METERING					COND or L.P. SEP GAS METERING				LIQUID PRODUCTION								GAS PRODUCTION			
	TUBING Pressure	Flow Temp	CASING Pressure	Choke Size	STATIC PRESSURE		Diff.	Temp	Orifice Plate Size	Static Pressure	Diff.	Temp	Orifice Plate Size	CAP <u>64m3</u>		CAP _____		Cumul. Oil, Cond. Prod.	Cumul. Water Prod.						
					or Prover									Ft-In	Barrels	Ft-In	Barrels								
					Recorder	D.W.G.																			
IMP. Units	PSIG	°F	PSIG	Inches	PSIG	PSIG	Inches	°F	Inches	PSIG	Inches	°F	Inches	ft-In	Barrels	ft-In	Barrels	Barrels	Barrels	ft ³ /day					
SI Units	Pga kPa	°C	Pga kPa	mm	Pga kPa	Pga kPa	kPa	°C	mm	Pga kPa	kPa	°C	mm	C m	m ³	m	m ³	m ³	m ³	m ³ /day					
0230	3875	1		9.53	1310		20	42	38.1																
0300	3950	3			1310		19	42												50.9x10 ³ /D					
0330	3930	1			1276		20	41																	
0400	3860	2			1241		20	37												50.9x10 ³ /D					
0430	4235	1			1276		19	37																	
0500	5195	-3			1138		14	42		Possible ice plug in flowing										40.98x10 ³ /L					
0530	5330	-5			1034		14	42																	
0600	5630	-8			827		14	42												35.89x10 ³ /L					
0630	5340	-8			1241		13	42																	
0700	5500	-10			1138		12.5	42												38.15x10 ³ /L					
0730	5535	-10			1103		12	42																	
0800	5585	-12			1034		11.5	41		Approx. water made .075m ³										35.33x10 ³ /L					
REMARKS _____										GAS PRODUCTION (24 hr.) 14.93m ³				LIQUID PROD. BALANCE				TANK NO. 1		TANK NO. 2					
										GAS PRODUCTION CUMULATIVE _____				OPENING GAUGE				Cond.		Water		Cond.		Water	
										LIQUID PRODUCTION (24 hr.) _____				PLUS PRODUCTION											
										Condensate/Oil _____ Water _____				TOTALS											
										LIQUID PRODUCTION CUMULATIVE _____				MINUS SHIPPING											
										Condensate/Oil _____ Water _____				EQUALS CLOSING GAUGE											

CUSTOMER Paramount Resources Ltd. TEST OPERATOR S. Barkhouse & B. McConnell

REP. BY M. Maddocks NO. 1 HEATER .75m BTU H.P. METER SIZE 73.53^{mm} DIFF. RANGE 0-50 kPa

WELL Paramount H.B. et al Cameron GAS TO FLARE X CHOKE 25.4mm L.P. METER SIZE _____ DIFF. RANGE _____

LOCATION J-62-N.W.T. PIPELINE _____ OTHER _____

DATE Feb. 9/81 TIME	WELLHEAD DATA				H.P. SEP. GAS METERING					COND or L.P. SEP GAS METERING				LIQUID PRODUCTION								GAS PRODUCTION			
	TUBING Pressure	Flow Temp	CASING Pressure	Choke Size	STATIC PRESSURE		Diff.	Temp	Orifice Plate Size	Static Pressure	Diff.	Temp	Orifice Plate Size	CAP <u>64m3</u>		CAP _____		Cumul. Oil, Cond. Prod.	Cumul. Water Prod.						
					or Prover									Ft-In	Barrels	Ft-In	Barrels								
					Recorder	D.W.G.														cm	m3		m	m3	
IMP. Units	PSIG	°F	PSIG	Inches	PSIG	PSIG	Inches	°F	Inches	PSIG	Inches	°F	Inches	Ft-In	Barrels	Ft-In	Barrels	Barrels	Barrels	ft3/day					
SI Units	Pga kPa	°C	Pga kPa	mm	Pga kPa	Pga kPa	kPa	°C	mm	Pga kPa	kPa	°C	mm	m	m3	m	m3	m3	m3	m3/day					
0830	5585	-11		9.53	896		11	43	38.1																
0900	5550	-13			862		11.5	43												32.50x10 ³ /d					
0930	5500	-12			965		12	43																	
1000	5500	-12			1103		12	43												37.87x10 ³ /d					
1030	5450	-10			1034		12	43																	
1100	5450	-10			1034		12	43												36.74x10 ³ /d					
1130	5530	-9			965		12	43		Ice plug in flow line let go.															
1200	4120	+4			1172		20	35		Liquid to surface										49.46x10 ³ /d					
1230	3715	+3			1172		18	42																	
1300	3680	+3			1241		20	44												50.87x10 ³ /d					
1330	3680	+3			1207		21	44		750 ppm	H ² S														
1400	3675	3			1207		21	44												52.28x10 ³ /d					
REMARKS										GAS PRODUCTION (24 hr.)				LIQUID PROD. BALANCE				TANK NO. 1		TANK NO. 2					
										GAS PRODUCTION CUMULATIVE				OPENING GAUGE				Cond.		Water		Cond.		Water	
										LIQUID PRODUCTION (24 hr.)				PLUS PRODUCTION											
										Condensate/Oil _____ Water _____				TOTALS											
										LIQUID PRODUCTION CUMULATIVE				MINUS SHIPPING											
										Condensate/Oil _____ Water _____				EQUALS CLOSING GAUGE											

CUSTOMER Paramount Resources Ltd. TEST OPERATOR S. Barkhouse & B. McConnell

REP. BY M. Maddocks

NO. 1 HEATER .75m BTU H.P. METER SIZE 73.53^{mm} DIFF. RANGE 0-50 kPa

WELL Paramount H.B. et al Cameron GAS TO FLARE X

CHOKE 25.4mm L.P. METER SIZE _____ DIFF. RANGE _____

LOCATION J-62-N.W.T. PIPELINE _____

OTHER _____

DATE Feb. 9/81 TIME	WELLHEAD DATA				H.P. SEP. GAS METERING					COND or L.P. SEP GAS METERING				LIQUID PRODUCTION								GAS PRODUCTION			
	TUBING Pressure	Flow Temp	CASING Pressure	Choke Size	STATIC PRESSURE		Diff.	Temp	Orifice Plate Size	Static Pressure	Diff.	Temp	Orifice Plate Size	CAP <u>64m3</u>		CAP _____		Cumul. Oil, Cond. Prod.	Cumul. Water Prod.						
					or Prover									_____ per _____											
					Recorder	D.W.G.								_____ cm	_____ m3										
IMP. Units	PSIG	°F	PSIG	Inches	PSIG	PSIG	Inches	°F	Inches	PSIG	Inches	°F	Inches	ft-lbs	Barrels	ft-lbs	Barrels	Barrels	Barrels	ft3/day					
SI Units	Pga kPa	°C	Pga kPa	mm	Pga kPa	Pga kPa	kPa	°C	mm	Pga kPa	kPa	°C	mm	C m	m3	m	m3	m3	m3	m3/day					
1430	3695	3		9.53	1207		21	44	38.1																
1500	3700	4			1207		21	45												52.28x10 ³ /D					
1530	3700	3			1207		22	45																	
1600	3650	3			1207		20	45												49.46x10 ³ /D					
1630	3650	3			1172		21	43																	
1700	3640	4			1138		21	41												49.46x10 ³ /D					
1730	3570	4			1138		21	41																	
1800	3585	7			1138		21	40												49.46x10 ³ /D					
1830	3585	7			1138		21	38																	
1900	3585	8			1138		21	38												49.46x10 ³ /D					
1930	3585	9			1138		21	38																	
2000	3585	10			1138		21	43												49.46x10 ³ /D					
REMARKS _____										GAS PRODUCTION (24 hr.) _____				LIQUID PROD. BALANCE				TANK NO. 1		TANK NO. 2					
										GAS PRODUCTION CUMULATIVE _____				OPENING GAUGE				Cond.		Water		Cond.		Water	
										LIQUID PRODUCTION (24 hr.) _____				PLUS PRODUCTION											
										Condensate/Oil _____ Water _____				TOTALS											
										LIQUID PRODUCTION CUMULATIVE _____				MINUS SHIPPING											
										Condensate/Oil _____ Water _____				EQUALS CLOSING GAUGE											

CUSTOMER Paramount Resources Ltd.

TEST OPERATOR S. Barkhouse & B. McConnell

REP. BY M. Maddocks

NO. 1 HEATER .75m BTU H.P. METER SIZE 73.53^{mm} DIFF. RANGE 0-50 kPa

WELL Paramount H.B. et al Cameron GAS TO FLARE X

CHOKE 25.4mm L.P. METER SIZE _____ DIFF. RANGE _____

LOCATION J-62-N.W.T. PIPELINE _____

OTHER _____

DATE Feb. 9/81 TIME	WELLHEAD DATA			Choke Size	H.P. SEP. GAS METERING					COND or L.P. SEP GAS METERING				LIQUID PRODUCTION								GAS PRODUCTION
	TUBING Pressure	Flow Temp	CASING Pressure		STATIC PRESSURE		Diff.	Temp	Orifice Plate Size	Static Pressure	Diff.	Temp	Orifice Plate Size	CAP <u>64m3</u>		CAP _____		Cumul. Oil, Cond. Prod.	Cumul. Water Prod.			
					or Prover									Ft-lbs cm	Barrels m3	Ft-lbs m	Barrels m3					
					Recorder	D.W.G.														per m3	per m3	
IMP. Units	PSIG	°F	PSIG	Inches	PSIG	PSIG	Inches	°F	Inches	PSIG	Inches	°F	Inches	Ft-lbs	Barrels	Ft-lbs	Barrels	Barrels	Barrels	ft ³ /day		
SI Units	Pga kPa	°C	Pga kPa	mm	Pga kPa	Pga kPa	kPa	°C	mm	Pga kPa	kPa	°C	mm	C m	m3	m	m3	m3	m3	m3/day		
2030	3575	9		9.53	1138		20	42	38.1													
2100	3580	9			1172		20	43												49.46x10 ³ /D		
2130	3580	9			1172		20	43														
2200	3580	9			1241		19	43												49.46x10 ³ /D		
2230	3570	9			1241		19	42														
2300	3565	9			1172		20	42												48.33x10 ³ /D		
2330	3565	8			1172		19	42														
2400	3565	9			1207		19	43												48.89x10 ³ /D		
February 10th, 1981																						
0030	3565	9			1207		19	43														
0100	3565	9			1207		19	43												48.33x10 ³ /D		
0130	3565	10			1207		19	43														
REMARKS _____										GAS PRODUCTION (24 hr.) _____				LIQUID PROD. BALANCE				TANK NO. 1		TANK NO. 2		
										GAS PRODUCTION CUMULATIVE _____				OPENING GAUGE				Cond.	Water	Cond.	Water	
										LIQUID PRODUCTION (24 hr.) _____				PLUS PRODUCTION								
										Condensate/Oil _____ Water _____				TOTALS								
										LIQUID PRODUCTION CUMULATIVE _____				MINUS SHIPPING								
										Condensate/Oil _____ Water _____				EQUALS CLOSING GAUGE								

TEST UNIT NO. One TYPE OF TEST 4 Point Extended Rate

PAGE 11 OF 16

CUSTOMER Paramount Resources Ltd. TEST OPERATOR S. Barkhouse & B. McConnell

REP. BY M. Maddocks NO. 1 HEATER .75m BTU H.P. METER SIZE 73.53^{mm} DIFF. RANGE 0-50 kPa

WELL Paramount H.B. et al Cameron GAS TO FLARE X CHOKE 25.4mm L.P. METER SIZE _____ DIFF. RANGE _____

LOCATION J-62-N.W.T. PIPELINE _____ OTHER _____

DATE Feb. 10/81 TIME	WELLHEAD DATA				H.P. SEP. GAS METERING					COND or L.P. SEP GAS METERING				LIQUID PRODUCTION								GAS PRODUCTION
	TUBING Pressure	Flow Temp	CASING Pressure	Choke Size	STATIC PRESSURE		Diff.	Temp	Orifice Plate Size	Static Pressure	Diff.	Temp	Orifice Plate Size	CAP <u>64m3</u>		CAP _____		Cumul. Oil, Cond. Prod.	Cumul. Water Prod.			
					or Prover									Ft-In	Barrels	Ft-In	Barrels					
					Recorder	D.W.G.																
IMP. Units	PSIG	°F	PSIG	Inches	PSIG	PSIG	Inches	°F	Inches	PSIG	Inches	°F	Inches	Ft-In	Barrels	Ft-In	Barrels	Barrels	Barrels			
SI Units	Pga kPa	°C	Pga kPa	mm	Pga kPa	Pga kPa	kPa	°C	mm	Pga kPa	kPa	°C	mm	C m	m3	m	m3	m3	m3			
0200	3560	9		9.53	1207		19	43	38.1										48.05x10 ³ /D			
0230	3560	9			1241		18	44														
0300	3560	10			1241		18	44											48.05x10 ³ /E			
0330	3555	10			1276		18	44														
0400	3550	9			1310		18	44											48.61x10 ³ /E			
0430	3550	9			1276		18	44														
0500	3550	9			1241		18	44											48.05x10 ³ /E			
0530	3550	9			1241		18	43														
0600	3550	9			1379		17	44											48.61x10 ³ /E			
0630	3545	10			1276		18	45														
0700	3545	9			1310		18	44											48.61x10 ³ /E			
0730	3545	9			1310		18	43														
REMARKS _____										GAS PRODUCTION (24 hr.) _____				LIQUID PROD. BALANCE				TANK NO. 1		TANK NO. 2		
										GAS PRODUCTION CUMULATIVE _____				OPENING GAUGE				Cond.	Water	Cond.	Water	
										LIQUID PRODUCTION (24 hr.) _____				PLUS PRODUCTION								
										Condensate/Oil _____ Water _____				TOTALS								
										LIQUID PRODUCTION CUMULATIVE _____				MINUS SHIPPING								
										Condensate/Oil _____ Water _____				EQUALS CLOSING GAUGE								

CUSTOMER Paramount Resources Ltd. TEST OPERATOR S. Barkhouse & B. McConnell

REP. BY M. Maddocks NO. 1 HEATER .75m BTU H.P. METER SIZE 73.53^{mm} DIFF. RANGE 0-50 kPa

WELL Paramount H.B. et al Cameron GAS TO FLARE X CHOKE 25.4mm L.P. METER SIZE _____ DIFF. RANGE _____

LOCATION J-62-N.W.T. PIPELINE _____ OTHER _____

[illegible]

REMARKS _____	GAS PRODUCTION (24 hr.) <u>47.60x10³m³</u>	LIQUID PROD. BALANCE		TANK NO. 1		TANK NO. 2	
	GAS PRODUCTION CUMULATIVE <u>62.53x10³</u>	OPENING GAUGE		Cond.	Water	Cond.	Water
	LIQUID PRODUCTION (24 hr.) _____	PLUS PRODUCTION					
	Condensate/Oil _____ Water _____	TOTALS					
	LIQUID PRODUCTION CUMULATIVE _____	MINUS SHIPPING					
	Condensate/Oil _____ Water _____	EQUALS CLOSING GAUGE					

CUSTOMER Paramount Resources Ltd.

TEST OPERATOR S. Barkhouse & B. McConnell

REP. BY M. Maddocks

NO. 1 HEATER .75m BTU H.P. METER SIZE 73.53^{mm} DIFF. RANGE 0-50 kPa

WELL Paramount H.B. et al Cameron GAS TO FLARE X

CHOKE 25.4mm L.P. METER SIZE _____ DIFF. RANGE _____

LOCATION J-62-N.W.T. PIPELINE _____

OTHER _____

DATE Feb. 10/81 TIME	WELLHEAD DATA			Choke Size	H.P. SEP. GAS METERING					COND or L.P. SEP GAS METERING				LIQUID PRODUCTION								GAS PRODUCTION
	TUBING Pressure	Flow Temp	CASING Pressure		STATIC PRESSURE		Diff.	Temp	Orifice Plate Size	Static Pressure	Diff.	Temp	Orifice Plate Size	CAP <u>64m3</u>		CAP _____		Cumul. Oil, Cond. Prod.	Cumul. Water Prod.			
					or Prover									Ft-In	Barrels	Ft-In	Barrels					
					Recorder	D.W.G.														_____	_____	
IMP. Units	PSIG	°F	PSIG	Inches	PSIG	PSIG	Inches	°F	Inches	PSIG	Inches	°F	Inches	ft-In	Barrels	ft-In	Barrels	Barrels	Barrels	ft ³ /day		
SI Units	Pga kPa	°C	Pga kPa	mm	Pga kPa	Pga kPa	kPa	°C	mm	Pga kPa	kPa	°C	mm	C m	m3	m	m3	m3	m3	m3/day		
0830																						
	3545	10		9.53	1345		17	44	38.1													
0900	3535	10			1345		17	44												48.61x10 ³ /D		
0930	3535	10			1310		18	43														
1000	3545	10			1358		18	43												49.46x10 ³ /D		
1030	3545	10			1358		17	43														
1100	3545	10			1345		18	43												49.46x10 ³ /D		
1130	3545	10			1310		18	43														
1200	3545	10			1345		18	44												49.46x10 ³ /D		
1230	3545	10			1345		18	44														
1300	3545	10			1358		18	44												49.46x10 ³ /D		
1330	3560	10			1379		17	44														
1400	3555	10			1448		17	44												50.87x10 ³ /D		

REMARKS _____

GAS PRODUCTION (24 hr.) _____	LIQUID PROD. BALANCE _____	TANK NO. 1	Cond.	Water	TANK NO. 2	Cond.	Water
GAS PRODUCTION CUMULATIVE _____	OPENING GAUGE _____						
LIQUID PRODUCTION (24 hr.) _____	PLUS PRODUCTION _____						
Condensate/Oil _____ Water _____	TOTALS _____						
LIQUID PRODUCTION CUMULATIVE _____	MINUS SHIPPING _____						
Condensate/Oil _____ Water _____	EQUALS CLOSING GAUGE _____						

CUSTOMER Paramount Resources Ltd.

TEST OPERATOR S. Barkhouse & B. McConnell

REP. BY M. Maddocks

NO. 1 HEATER .75m BTU H.P. METER SIZE 73.53^{mm} DIFF. RANGE 0-50 kPa

WELL Paramount H.B. et al Cameron GAS TO FLARE X

CHOKE 25.4mm L.P. METER SIZE _____ DIFF. RANGE _____

LOCATION J-62-N.W.T. PIPELINE _____

OTHER _____

DATE Feb. 10/81 TIME	WELLHEAD DATA			Choke Size	H.P. SEP. GAS METERING					COND or L.P. SEP GAS METERING				LIQUID PRODUCTION				GAS PRODUCTION			
	TUBING Pressure	Flow Temp	CASING Pressure		STATIC PRESSURE		Diff.	Temp	Orifice Plate Size	Static Pressure	Diff.	Temp	Orifice Plate Size	CAP <u>64m3</u>		CAP _____			Cumul. Oil, Cond. Prod.	Cumul. Water Prod.	
					or Prover									per _____	per _____						
					Recorder	D.W.G.										cm	m3				m
IMP. Units	PSIG	°F	PSIG	Inches	PSIG	PSIG	Inches	°F	Inches	PSIG	Inches	°F	Inches	ft-lbs	Barrels	ft-lbs	Barrels	Barrels	Barrels	ft ³ /day	
SI Units	Pga kPa	°C	Pga kPa	mm	Pga kPa	Pga kPa	kPa	°C	mm	Pga kPa	kPa	°C	mm	C m	m3	m	m3	m3	m3	m ³ /day	
1430	3565	10		25.4	1448		17	47	38.1												
1500	3520	10			1448		17	46												50.87x10 ³ /D	
1530	3490	10			1276		18	45		Salinity 26,800 ppm.											
1600	3475	10			1241		19	43		0.68% H ² S.										49.46x10 ³ /D	
1630	3480	10			1379		16	41		Reset back pressure											
1700	3575	10			1379		17	43		Sample from separator trace of Condensate											49.46x10 ³ /D
1730	3545	10			1379		17	44													
1800	3510	10			1345		17	43												48.33x10 ³ /D	
1830	3470	10			1345		17	42													
1900	3470	10			1310		17	41												48.05x10 ³ /D	
1930	3470	10			1310		17	42													
2000	3475	10			1310		17	42													
REMARKS _____										GAS PRODUCTION (24 hr.) _____				LIQUID PROD. BALANCE				TANK NO. 1		TANK NO. 2	
										GAS PRODUCTION CUMULATIVE _____				OPENING GAUGE				Cond.	Water	Cond.	Water
										LIQUID PRODUCTION (24 hr.) _____				PLUS PRODUCTION							
										Condensate/Oil _____ Water _____				TOTALS							
										LIQUID PRODUCTION CUMULATIVE _____				MINUS SHIPPING							
										Condensate/Oil _____ Water _____				EQUALS CLOSING GAUGE							

CUSTOMER Paramount Resources Ltd. TEST OPERATOR S. Barkhouse & B. McConnell

REP. BY M. Maddocks NO. 1 HEATER .75m BTU H.P. METER SIZE 73.53^{mm} DIFF. RANGE 0-50 kPa

WELL Paramount H.B. et al Cameron GAS TO FLARE X CHOKE 25.4mm L.P. METER SIZE _____ DIFF. RANGE _____

LOCATION J-62-N.W.T. PIPELINE _____ OTHER _____

DATE Feb. 10/81 TIME	WELLHEAD DATA			Choke Size	H.P. SEP. GAS METERING					COND or L.P. SEP GAS METERING				LIQUID PRODUCTION				GAS PRODUCTION		
	TUBING Pressure	Flow Temp	CASING Pressure		STATIC PRESSURE		Diff.	Temp	Orifice Plate Size	Static Pressure	Diff.	Temp	Orifice Plate Size	CAP _____		CAP _____			Cumul. Oil, Cond Prod.	Cumul. Water Prod.
					or Prover									_____ per _____	_____ per _____					
					Recorder	D.W.G.														
IMP. Units	PSIG	°F	PSIG	Inches	PSIG	PSIG	Inches	°F	Inches	PSIG	Inches	°F	Inches	Ft-In	Barrels	Ft-In	Barrels	Barrels	Barrels	ft.3/day
SI Units	Pga kPa	°C	Pga kPa	mm	Pga kPa	Pga kPa	kPa	°C	mm	Pga kPa	kPa	°C	mm	m	m3	m	m3	m3	m3	m3/day
2030	3495	10		25.4	1310		17	40	38.1											
2100	3500	10			1310		17	41												48.6x10 ³ /D
2130	3495	10			1310		17	40												
2200	3495	10			1310		17	39												48.6x10 ³ /D
2230	3495	10			1310		17	39												
2300	3495	10			1310		17	40												48.6x10 ³ /D
2310	3495	10			1310		17	40		Shut well in Take samples Two H.P. Gas 866,1071										48.6x10 ³ /D
2315	4950																			
2320	6570																			
2325	7370																			
2330	7630																			
2345	7910																			

REMARKS	GAS PRODUCTION (24 hr.)		LIQUID PROD. BALANCE		TANK NO. 1		TANK NO. 2	
					Cond.	Water	Cond.	Water
	GAS PRODUCTION CUMULATIVE		OPENING GAUGE					
	LIQUID PRODUCTION (24 hr.)		PLUS PRODUCTION					
	Condensate/Oil _____ Water _____		TOTALS					
	LIQUID PRODUCTION CUMULATIVE		MINUS SHIPPING					
	Condensate/Oil _____ Water _____		EQUALS CLOSING GAUGE					

CUSTOMER Paramount Resources Ltd.

TEST OPERATOR S. Barkhouse & B. McConnell

REP. BY M. Maddocks

NO. 1 HEATER .75m BTU H.P. METER SIZE 73.53^{mm} DIFF. RANGE 0-50 kPa

WELL Paramount H.B. et al Cameron GAS TO FLARE X

CHOKE 25.4mm L.P. METER SIZE _____ DIFF. RANGE _____

LOCATION J-62-N.W.T.

PIPELINE _____

OTHER _____

[illegible]

REMARKS _____	GAS PRODUCTION (24 hr.) <u>28.72x10³xm³</u>	LIQUID PROD. BALANCE	TANK NO. 1		TANK NO. 2	
	GAS PRODUCTION CUMULATIVE <u>91.25x10³</u>	OPENING GAUGE	Cond.	Water	Cond.	Water
	LIQUID PRODUCTION (24 hr.) _____	PLUS PRODUCTION				
	Condensate/Oil _____ Water _____	TOTALS				
	LIQUID PRODUCTION CUMULATIVE _____	MINUS SHIPPING				
	Condensate/Oil _____ Water _____	EQUALS CLOSING GAUGE				

