BAKER HUGHES

Baker Oil Tools

# PARA ET AL CAMERON E-07
# 00/ 60.062 / 117.314 /0
# DST# 4

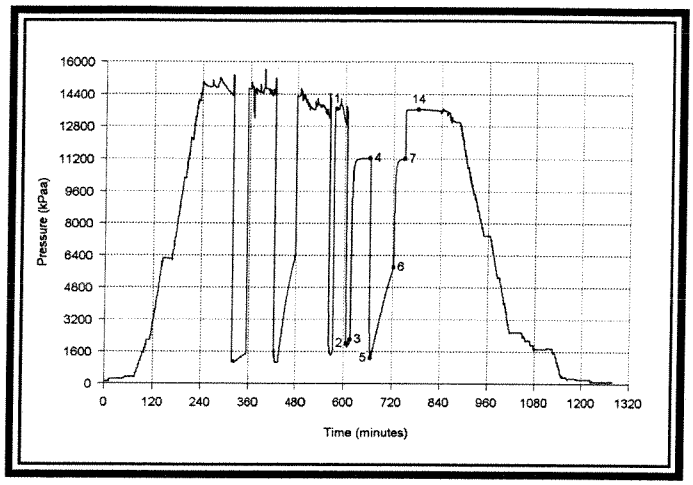
**Formation:** Slave Point

**Interval - from:** 1,267.00 **to:** 1,279.00 meters

**Test Date:** 2006-03-25

**Test Type :** Inflate Straddle

## Recorder# 77242 at 1,269.00 meters




Max Btm Hole Temperature @ FSI: 51.5 C

| | | *Pressure (kPaa)* | *Time (min)* | *Extrapolated Pressure (kPaa)* |
|---|---|---|---|---|
| 1 | Initial Hydrostatic | 13640 | | |
| 2 | Start of 1st Flow | 1979 | | |
| 3 | End of 1st Flow | 2189 | 8.5 | |
| 4 | End of 1st Shut-in | 11209 | 45.5 | 11233.7 |
| 5 | Start of 2nd Flow | 1243 | | |
| 6 | End of 2nd Flow | 5780 | 56.0 | |
| 7 | End of 2nd Shut-in | 11183 | 26.0 | 11280.4 |
| 14 | Final Hydrostatic | 13635 | | |

## Liquid Recovery 211.00 meters

Mud Tank Salinity: 10 000 g/m3

| *Recovery* | *Description* |
|---|---|
| 20.00 m | Scrubber mixed with drilling fluid and gas |
| 191.00 m | Gasified black drilling fluid with inhibitor and gas pockets |

## Blow Description:

Closed Chamber.

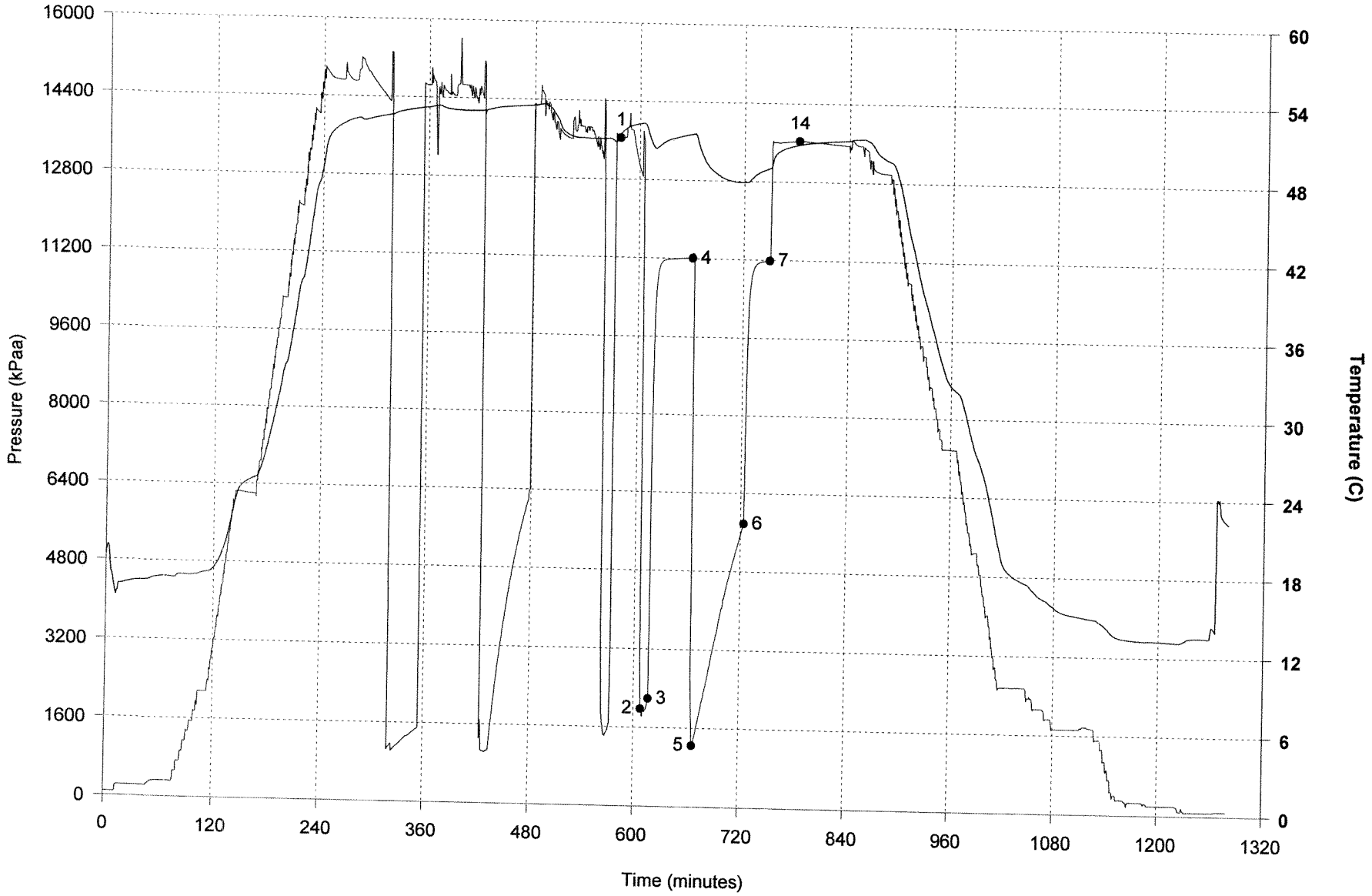
## Remarks:

This is the third of three tests run on the same trip in the hole. The available results suggest average permeability within the interval tested. Lost the packer seat 26 minutes into the final shut-in. Lost the packer seat when opening the tool for the preflow. Repumped the packers and started over. Added 160 liters (49 meters) of inhibitor and water prior to starting the test.

PARA ET AL CAMERON E-07
00/ 60.062 / 117.314 /0
DST #: 4
Recorder: 77242

Pressure (kPaa) at Critical Points:

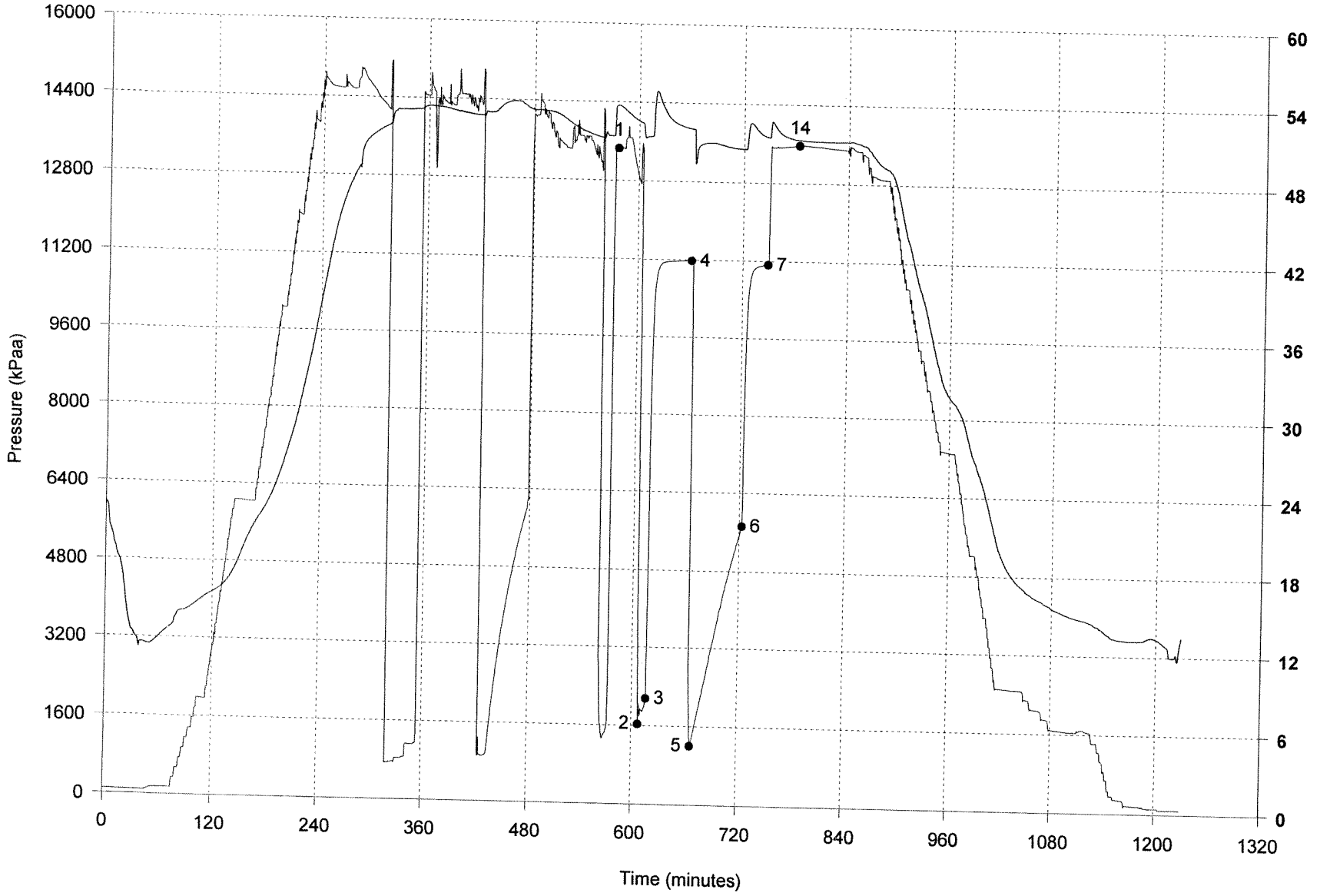
| | | |
|---|---|---|
| 1: 13640 | 4: 11209 | 7: 11183 |
| 2: 1979 | 5: 1243 | 14: 13635 |
| 3: 2189 | 6: 5780 | |



PARA ET AL CAMERON E-07
00/ 60.062 / 117.314 /0
DST #: 4
Recorder: 77237

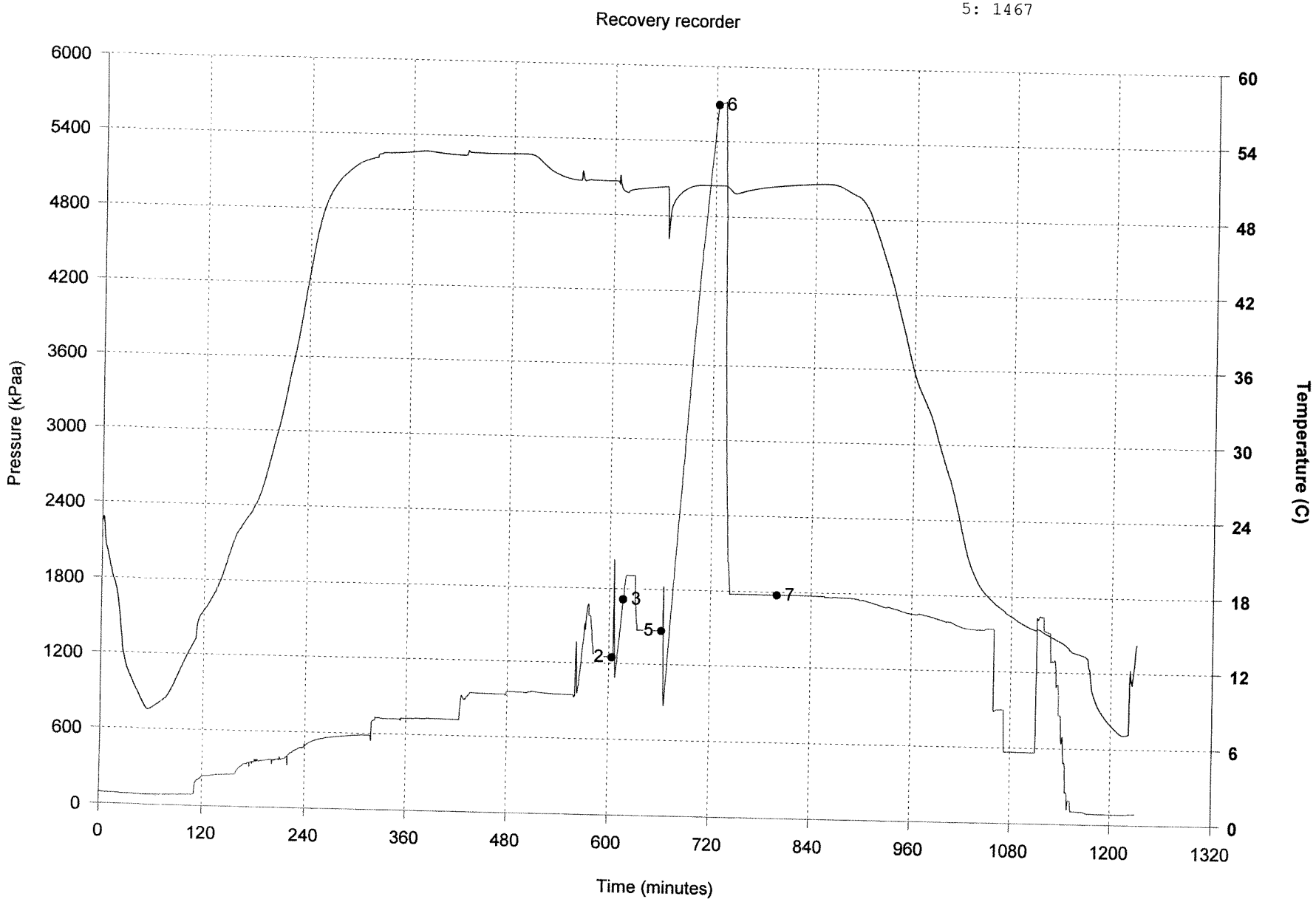
Pressure (kPaa) at Critical Points:

| | | |
|---|---|---|
| 1: 13444 | 4: 11184 | 7: 11126 |
| 2: 1626 | 5: 1201 | 14: 13565 |
| 3: 2151 | 6: 5728 | |



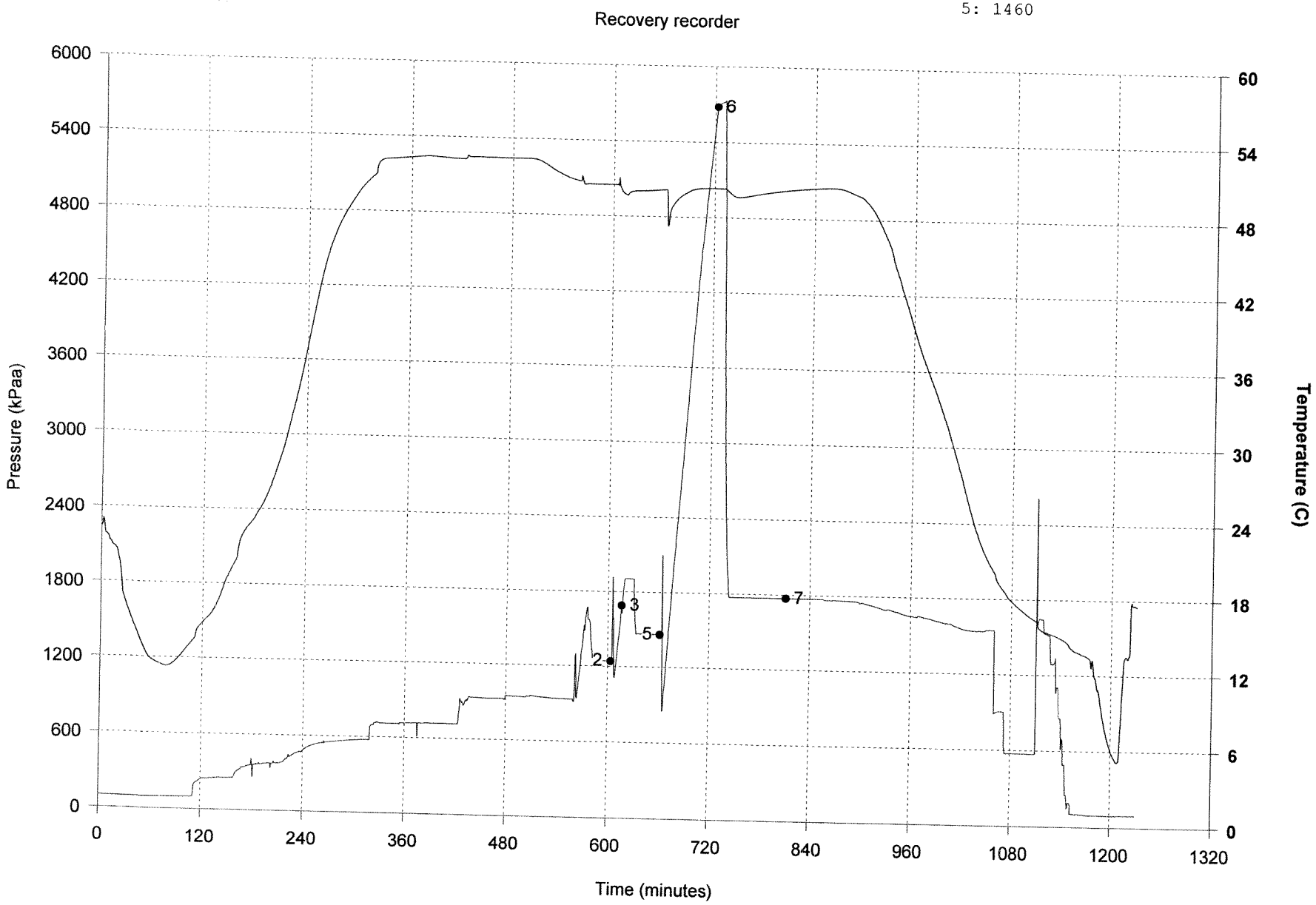
PARA ET AL CAMERON E-07
00/ 60.062 / 117.314 /0
DST #: 4
Recorder: 77231

Pressure (kPaa) at Critical Points:
2: 1247 6: 5691
3: 1715 7: 1774
5: 1467



PARA ET AL CAMERON E-07
00/ 60.062 / 117.314 /0
DST #: 4
Recorder: 77235

Pressure (kPaa) at Critical Points:
2: 1241 6: 5680
3: 1687 7: 1771
5: 1460



# PARA ET AL CAMERON E-07
# 00/ 60.062 / 117.314 /0
# DST# 4

## General Information:

Operator: Paramount Resources Ltd.
4700, 888 - 3rd Street SW
Calgary Alberta T2P 5C5

Licence#: 05NT15

Tester: Sandford J

Ticket#: 816418

Reverse Circulated? Y

KB Elevation: 701.70 meters

Ground Elevat'n: 697.20 meters

Total Depth: 1,457.00 meters

## Mud Data:

Weight: 1090 kg/m3

Type: Gel Chemical

Viscosity: 86 s/l

Water Loss: 7.5 cc/s

Filter Cake: 1.5 mm

## Hole Data:

Drilled Hole Size: 200 mm

Calipered Hole Size: 205 mm

Hole Condition at Test Time: Good

Conditioned prior to this test? Y

## Recorder Summary:

| *Recorder#* | *Type* | *Position* | *Capacity* | *Units* | *Depth* | *Comments* |
|---|---|---|---|---|---|---|
| 77235 | SPAR | Inside | 68900 | kPaa | 1,248.00 | Recovery recorder |
| 77231 | SPAR | Inside | 68900 | kPaa | 1,249.00 | Recovery recorder |
| 77237 | SPAR | Inside | 68900 | kPaa | 1,252.00 | Above interval |
| 77242 | SPAR | Outside | 68900 | kPaa | 1,269.00 | |

## Distributions:

Reports Sent To: Dave Block

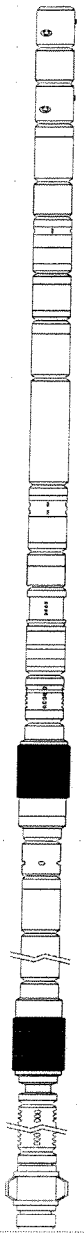
Fluid Samples - no of: 5 Sent To: AGAT

| *Gas Bomb#* | *Sent To* |
|---|---|
| GP45 | AGAT |
| GP61 | AGAT |

| *Bottom Hole Sampler#* | *Sent To* |
|---|---|
| 305 | AGAT |

# PARA ET AL CAMERON E-07
# 00/ 60.062 / 117.314 /0
# DST# 4

## Tool Sequence:



| *Description* | *Length* |
|---|---|
| Pump Out Sub | 0.33 m |
| Cross Over Sub | 0.30 m |
| Pump Out Sub | 0.83 m |
| Recorder Carrier | 2.14 m |
| Choke Sub | 0.31 m |
| Hydraulic Tool | 1.50 m |
| Bottom Hole Sampler | 1.03 m |
| Recorder Carrier | 1.52 m |
| Real Time Gauge | 6.14 m |
| Hydraulic Jars | 2.22 m |
| Safety Joint | 0.65 m |
| Inflate Pump | 2.38 m |
| Screen | 1.16 m |
| Top Inflate Packer | 1.78 m |
| Packer Stick Down | 0.82 m |
| Port Sub | 0.42 m |
| Recorder Carrier | 2.08 m |
| Spacing | 8.25 m |
| Packer Stick Up | 0.42 m |
| Bottom Inflate Packer | 1.90 m |
| Perforations | 0.62 m |
| Belly Spring | 2.00 m |

| | |
|---|---|
| Tool String Length: | 38.80 m |
| Drill Collar I.D.: 57 mm | 112.25 m |
| Drill Pipe O.D.: 101 mm | 1,078.86 m |
| Heavyweight O.D.:102 mm | 57.17 m |
| Heavyweight I.D.:65 mm | |
| Collar Pipe Total: | 1,191.11 m |
| Stick Up: | 3.57 m |
| Tool Above: | 22.29 m |
| Interval Tested: | 12.00 m |
| Bottom Hole Choke Size: | 12.70 mm |

# PARA ET AL CAMERON E-07
# 00/ 60.062 / 117.314 /0
# DST# 4
# Recorder#77242

## Build-up and Flow Curve Increments

### Flow# 1

| Chart Label | Time (min) | Pressure (kPaa) |
|---|---|---|
| 2 | 0.0 | 1979 |
| | 1.0 | 1915 |
| | 2.0 | 1976 |
| | 3.0 | 1941 |
| | 4.0 | 1907 |
| | 5.0 | 1935 |
| | 6.0 | 1991 |
| | 7.0 | 2048 |
| | 8.0 | 2158 |
| 3 | 8.5 | 2189 |

### Shut-in# 1

| Chart Label | Time (min) | Delta P (kPaa) | Pressure (kPaa) | Abscissa (T+dT)/dT | Used for Extrap | Pressure**2 (kPaa^2/10^6) |
|---|---|---|---|---|---|---|
| | 0.0 | | 2189 | | | |
| | 1.5 | 5485 | 7674 | 6.6667 | | 58.8898 |
| | 3.0 | 7552 | 9741 | 3.8333 | | 94.8924 |
| | 4.5 | 8297 | 10486 | 2.8889 | | 109.9666 |
| | 6.0 | 8630 | 10819 | 2.4167 | | 117.0468 |
| | 7.5 | 8792 | 10981 | 2.1333 | | 120.5933 |
| | 9.0 | 8879 | 11068 | 1.9444 | | 122.5078 |
| | 10.5 | 8926 | 11115 | 1.8095 | | 123.5527 |
| | 12.0 | 8952 | 11142 | 1.7083 | | 124.1355 |
| | 13.5 | 8969 | 11158 | 1.6296 | | 124.4963 |
| | 15.0 | 8978 | 11167 | 1.5667 | | 124.7012 |
| | 16.5 | 8984 | 11173 | 1.5152 | | 124.8332 |
| | 18.0 | 8987 | 11176 | 1.4722 | * | 124.9052 |
| | 19.5 | 8991 | 11180 | 1.4359 | * | 124.9852 |
| | 21.0 | 8993 | 11183 | 1.4048 | * | 125.0490 |
| | 22.5 | 8995 | 11184 | 1.3778 | * | 125.0881 |
| | 24.0 | 8997 | 11186 | 1.3542 | * | 125.1352 |
| | 25.5 | 8999 | 11188 | 1.3333 | * | 125.1766 |
| | 27.0 | 9001 | 11190 | 1.3148 | * | 125.2188 |
| | 28.5 | 9003 | 11192 | 1.2982 | * | 125.2541 |
| | 30.0 | 9005 | 11194 | 1.2833 | * | 125.2990 |
| | 31.5 | 9006 | 11196 | 1.2698 | * | 125.3403 |
| | 33.0 | 9008 | 11197 | 1.2576 | * | 125.3809 |
| | 34.5 | 9010 | 11199 | 1.2464 | * | 125.4158 |
| | 36.0 | 9012 | 11201 | 1.2361 | * | 125.4553 |
| | 37.5 | 9013 | 11202 | 1.2267 | * | 125.4800 |
| | 39.0 | 9015 | 11204 | 1.2179 | * | 125.5345 |
| | 40.5 | 9016 | 11205 | 1.2099 | * | 125.5464 |
| | 42.0 | 9017 | 11206 | 1.2024 | * | 125.5839 |
| | 43.5 | 9019 | 11208 | 1.1954 | * | 125.6121 |
| | 45.0 | 9019 | 11208 | 1.1889 | * | 125.6300 |
| 4 | 45.5 | 9020 | 11209 | 1.1868 | * | 125.6513 |

### Flow# 2

| Chart Label | Time (min) | Pressure (kPaa) |
|---|---|---|
| 5 | 0.0 | 1243 |

### Shut-in# 2

| Chart Label | Time (min) | Delta P (kPaa) | Pressure (kPaa) | Abscissa (T+dT)/dT | Used for Extrap | Pressure**2 (kPaa^2/10^6) |
|---|---|---|---|---|---|---|
| | 0.0 | | 5780 | | | |

Note: Increment listing is filtered to include critical data only. Complete time/pressure data is available in electronic or printed format.

# PARA ET AL CAMERON E-07
# 00/ 60.062 / 117.314 /0
# DST# 4
# Recorder#77242

## Build-up and Flow Curve Increments

### Flow# 2

| Chart Label | Time (min) | Pressure (kPaa) |
|---|---|---|
| | 1.5 | 1330 |
| | 3.0 | 1447 |
| | 4.5 | 1602 |
| | 6.0 | 1733 |
| | 7.5 | 1846 |
| | 9.0 | 1989 |
| | 10.5 | 2126 |
| | 12.0 | 2251 |
| | 13.5 | 2380 |
| | 15.0 | 2524 |
| | 16.5 | 2649 |
| | 18.0 | 2802 |
| | 19.5 | 2928 |
| | 21.0 | 3098 |
| | 22.5 | 3215 |
| | 24.0 | 3357 |
| | 25.5 | 3484 |
| | 27.0 | 3594 |
| | 28.5 | 3740 |
| | 30.0 | 3897 |
| | 31.5 | 4031 |
| | 33.0 | 4124 |
| | 34.5 | 4260 |
| | 36.0 | 4396 |
| | 37.5 | 4514 |
| | 39.0 | 4619 |
| | 40.5 | 4731 |
| | 42.0 | 4818 |
| | 43.5 | 4939 |
| | 45.0 | 5035 |
| | 46.5 | 5144 |
| | 48.0 | 5249 |
| | 49.5 | 5341 |
| | 51.0 | 5446 |
| | 52.5 | 5538 |
| | 54.0 | 5642 |
| | 55.5 | 5733 |
| 6 | 56.0 | 5780 |

### Shut-in# 2

| Chart Label | Time (min) | Delta P (kPaa) | Pressure (kPaa) | Abscissa (T+dT)/dT | Used for Extrap | Pressure**2 (kPaa^2/10^6) |
|---|---|---|---|---|---|---|
| | 1.0 | 1824 | 7604 | 65.5000 | | 57.8244 |
| | 2.0 | 3417 | 9196 | 33.2500 | | 84.5738 |
| | 3.0 | 4226 | 10006 | 22.5000 | | 100.1222 |
| | 4.0 | 4650 | 10430 | 17.1250 | | 108.7839 |
| | 5.0 | 4888 | 10668 | 13.9000 | | 113.8049 |
| | 6.0 | 5039 | 10819 | 11.7500 | | 117.0574 |
| | 7.0 | 5139 | 10919 | 10.2143 | | 119.2269 |
| | 8.0 | 5206 | 10986 | 9.0625 | | 120.6907 |
| | 9.0 | 5254 | 11034 | 8.1667 | | 121.7555 |
| | 10.0 | 5289 | 11069 | 7.4500 | | 122.5193 |
| | 11.0 | 5314 | 11094 | 6.8636 | | 123.0823 |
| | 12.0 | 5333 | 11113 | 6.3750 | | 123.4928 |
| | 13.0 | 5347 | 11127 | 5.9615 | | 123.8159 |
| | 14.0 | 5358 | 11138 | 5.6071 | | 124.0588 |
| | 15.0 | 5366 | 11146 | 5.3000 | | 124.2402 |
| | 16.0 | 5373 | 11153 | 5.0313 | | 124.3942 |
| | 17.0 | 5378 | 11158 | 4.7941 | * | 124.4973 |
| | 18.0 | 5383 | 11162 | 4.5833 | * | 124.5975 |
| | 19.0 | 5385 | 11165 | 4.3947 | * | 124.6633 |
| | 20.0 | 5389 | 11169 | 4.2250 | * | 124.7365 |
| | 21.0 | 5392 | 11172 | 4.0714 | * | 124.8046 |
| | 22.0 | 5394 | 11174 | 3.9318 | * | 124.8597 |
| | 23.0 | 5397 | 11176 | 3.8043 | * | 124.9123 |
| | 24.0 | 5399 | 11179 | 3.6875 | * | 124.9731 |
| | 25.0 | 5402 | 11181 | 3.5800 | * | 125.0239 |
| 7 | 26.0 | 5403 | 11183 | 3.4808 | * | 125.0583 |

Note: Increment listing is filtered to include critical data only. Complete time/pressure data is available in electronic or printed format.

# PARA ET AL CAMERON E-07
# 00/ 60.062 / 117.314 /0
# DST# 4
# Recorder#77237

## Build-up and Flow Curve Increments

**Flow# 2** **Shut-in# 2**

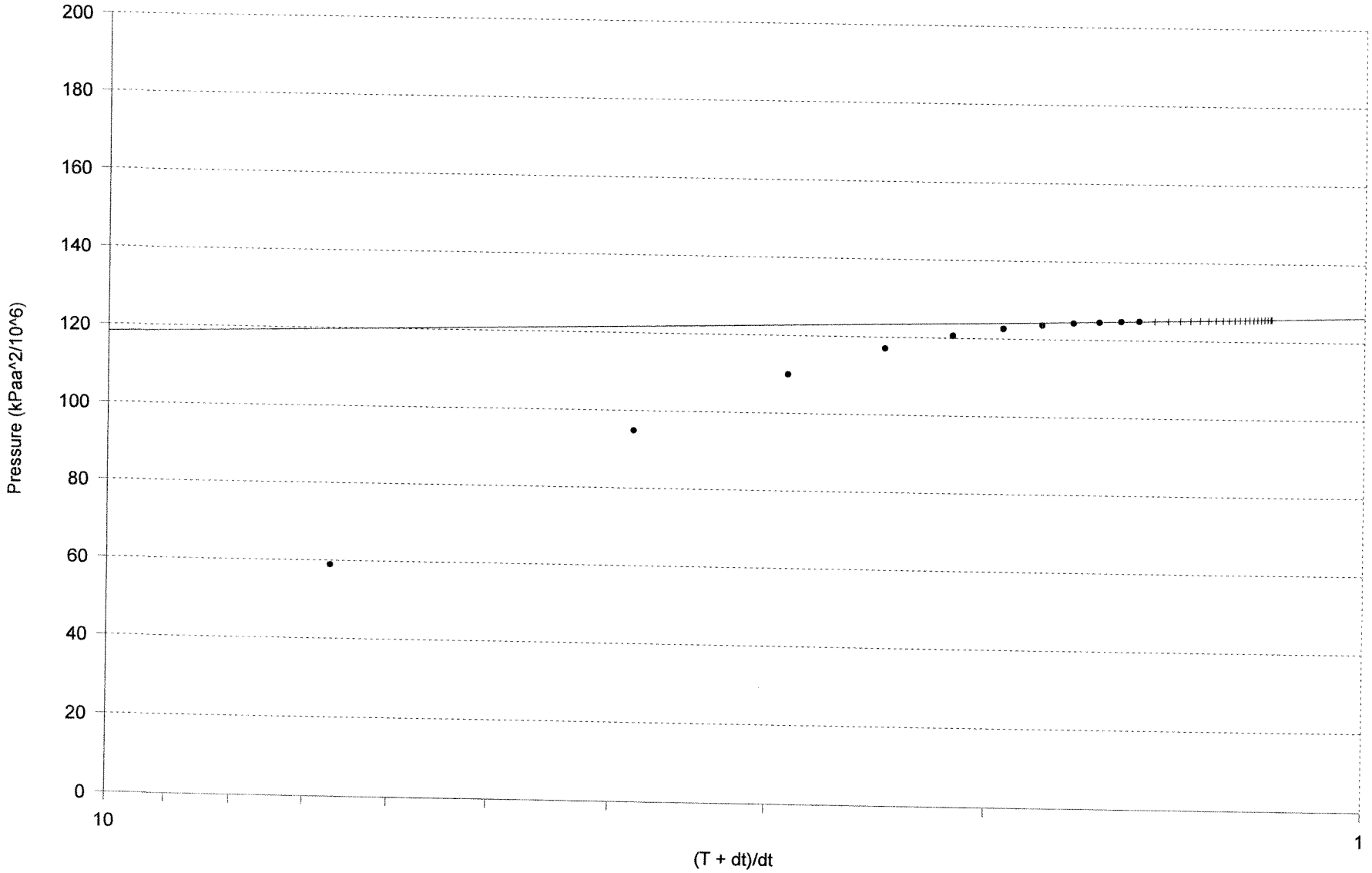
## Horner Extrapolation:

| *Shut-in#* | *Extrapolated Pressure (kPaa)* | *Extrapolated Slope ((kPaa^2/10^6)/cycle)* |
|---|---|---|
| 1 | 11233.7 | 7.93592 |
| 2 | 11280.4 | 4.01878 |

Note: Increment listing is filtered to include critical data only. Complete time/pressure data is available in electronic or printed format.

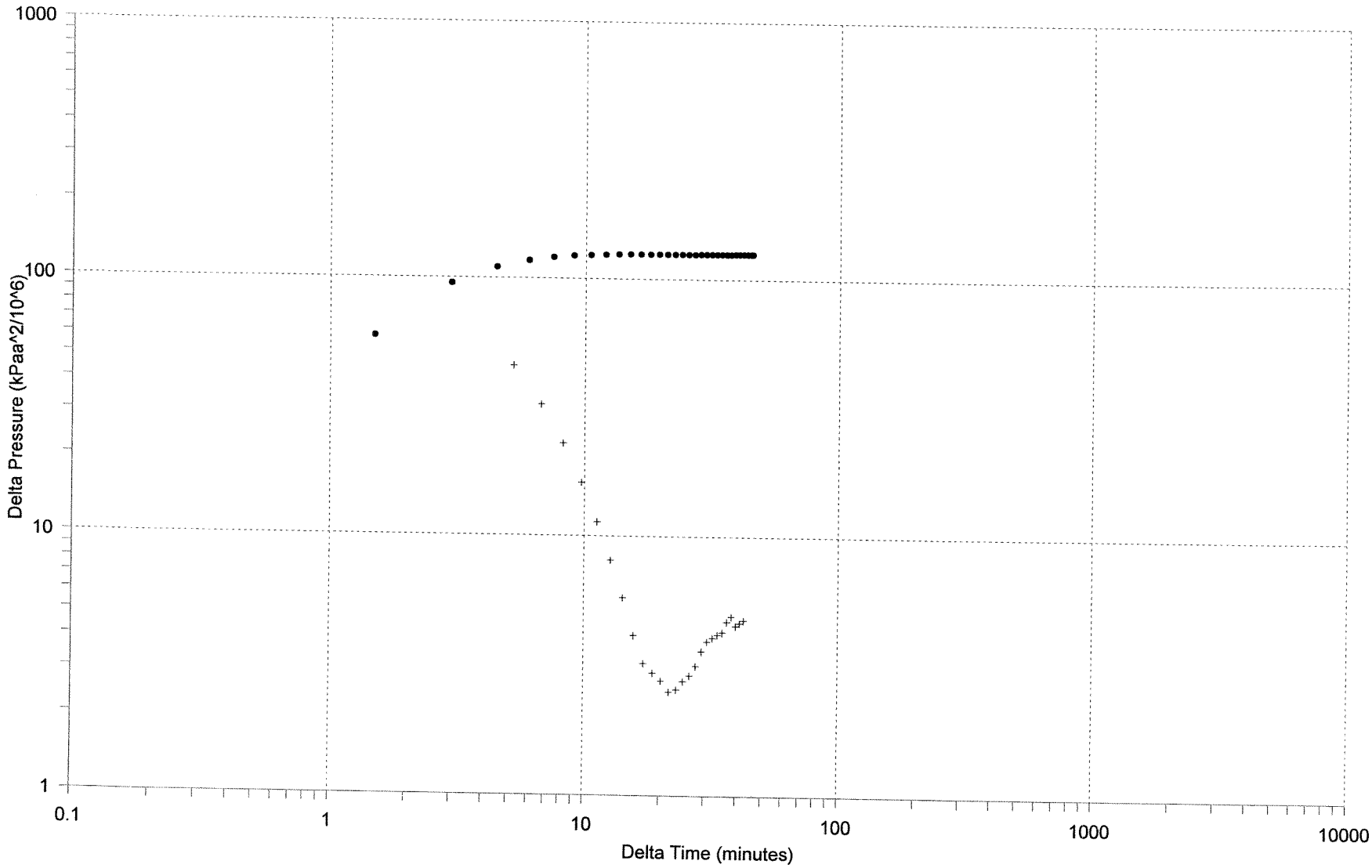
PARA ET AL CAMERON E-07
00/ 60.062 / 117.314 /0
DST #: 4
Recorder: 77242

Shut-in #1
Slope = 7.94 kPaa^2/10^6/cycle
Extrapolated Pressure = 11233.69 kPaa



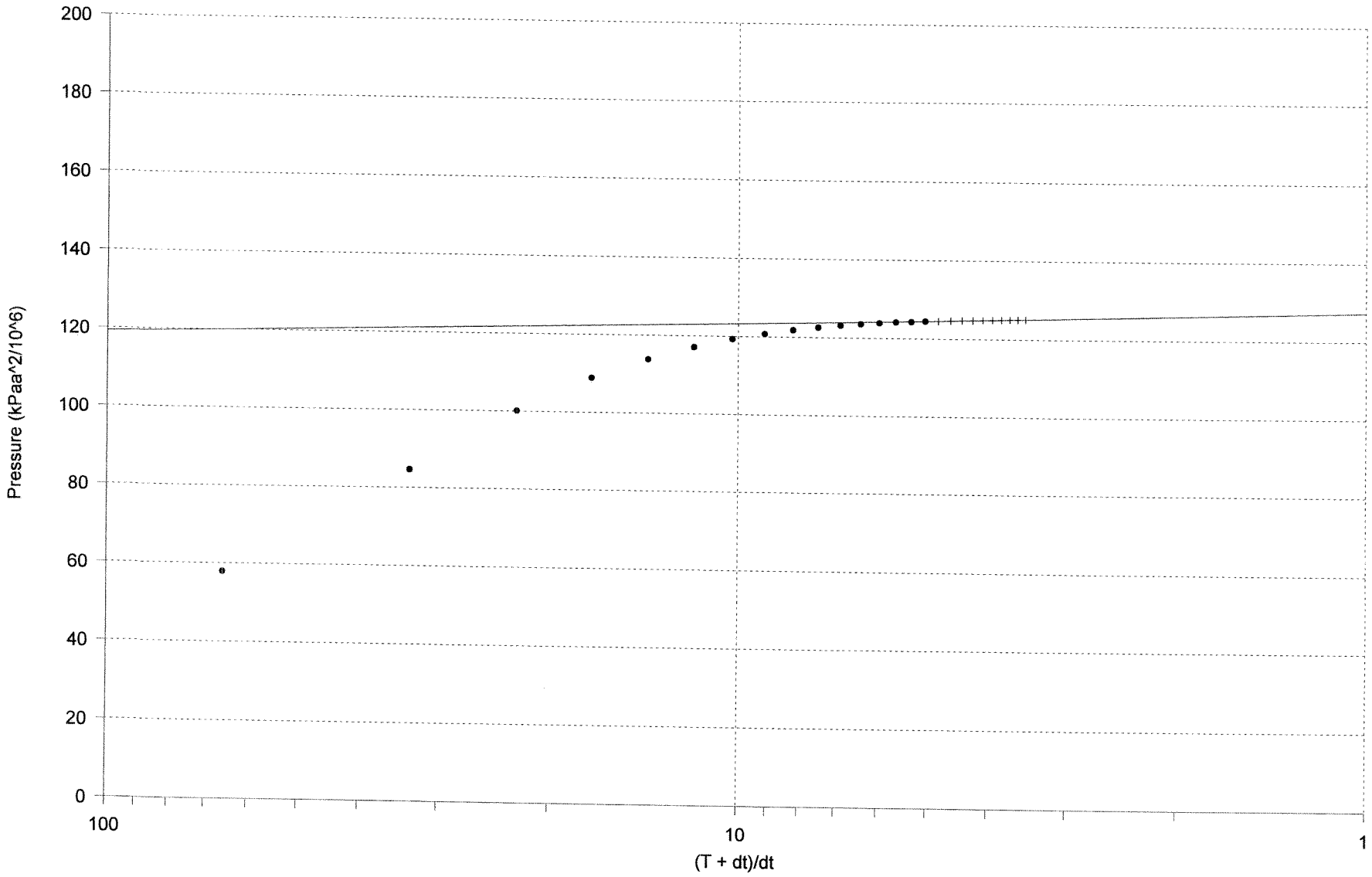
PARA ET AL CAMERON E-07
00/ 60.062 / 117.314 /0
DST #: 4
Recorder: 77242

Shut-in #1



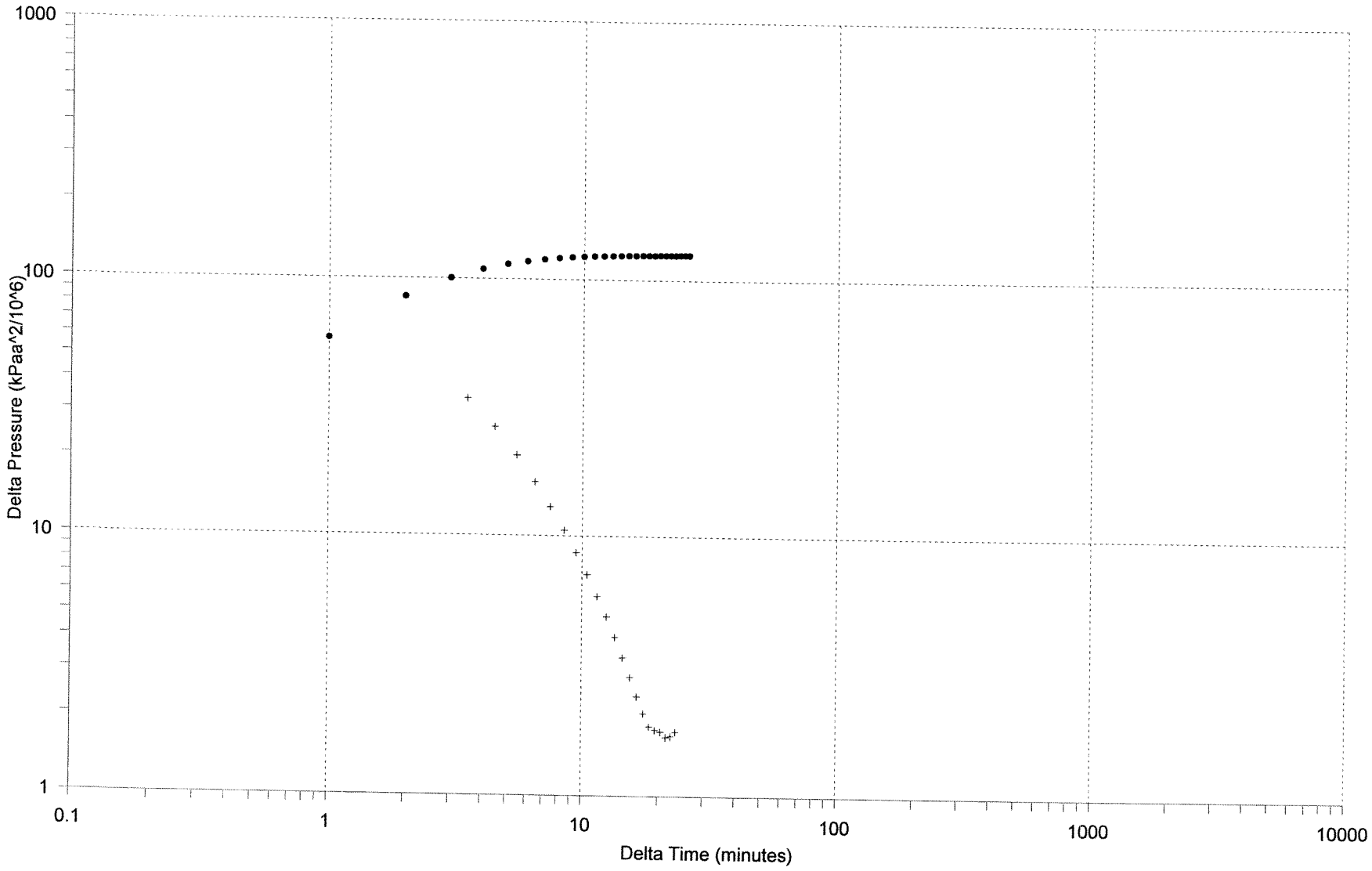
PARA ET AL CAMERON E-07
00/ 60.062 / 117.314 /0
DST #: 4
Recorder: 77242

Shut-in #2
Slope = 4.02 kPaa^2/10^6/cycle
Extrapolated Pressure = 11280.39 kPaa



PARA ET AL CAMERON E-07
00/ 60.062 / 117.314 /0
DST #: 4
Recorder: 77242

Shut-in #2

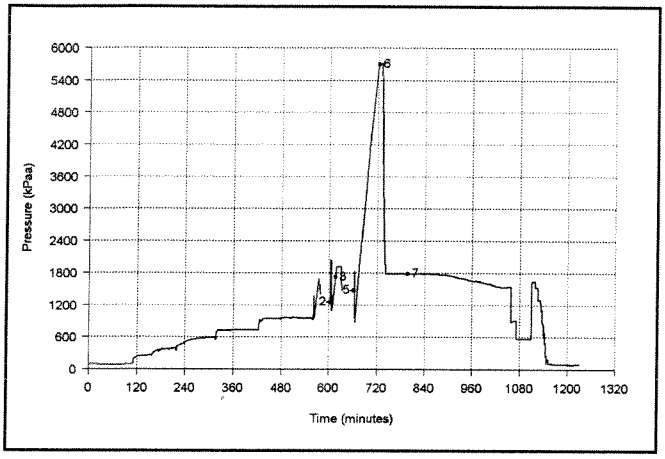


# PARA ET AL CAMERON E-07
# 00/ 60.062 / 117.314 /0
# DST# 4

## Recorder# 77231

Depth: 1,249.00 m
Temperature: 50.8 C
Location: Inside

Recorder Type: SPAR
Capacity: 68,900 kPaa
Comments: Recovery recorder

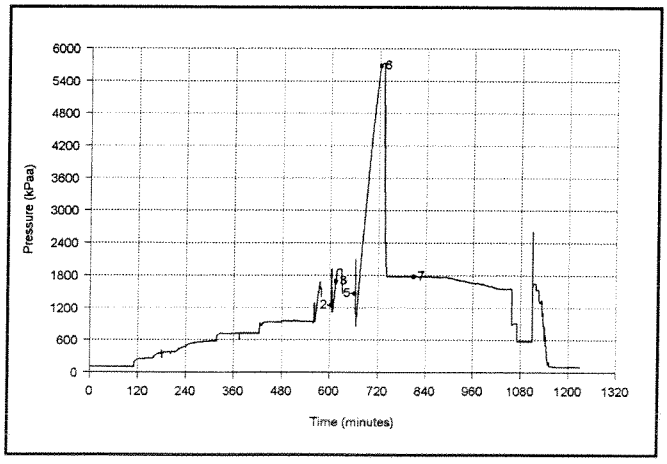



| | | *Pressure (kPaa)* | *Time (min)* |
|---|---|---|---|
| 2 | Start of 1st Flow | 1247 | |
| 3 | End of 1st Flow | 1715 | 8.5 |
| 5 | Start of 2nd Flow | 1467 | |
| 6 | End of 2nd Flow | 5691 | 56.0 |
| 7 | End of 2nd Shut-in | 1774 | 26.0 |

## Recorder# 77235

Depth: 1,248.00 m
Temperature: 50.6 C
Location: Inside

Recorder Type: SPAR
Capacity: 68,900 kPaa
Comments: Recovery recorder



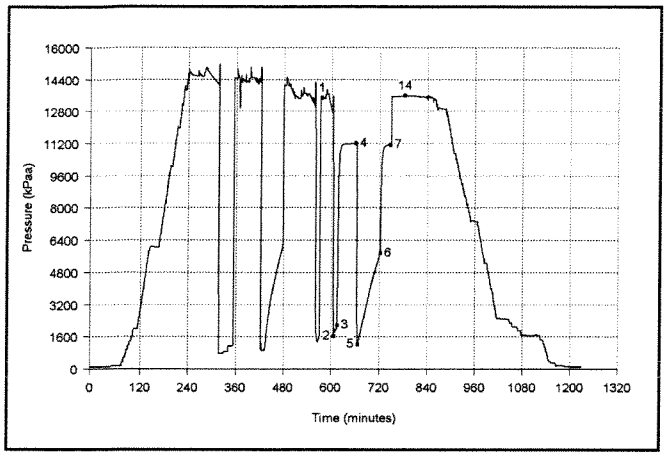

| | | *Pressure (kPaa)* | *Time (min)* |
|---|---|---|---|
| 2 | Start of 1st Flow | 1241 | |
| 3 | End of 1st Flow | 1687 | 8.5 |
| 5 | Start of 2nd Flow | 1460 | |
| 6 | End of 2nd Flow | 5680 | 56.0 |
| 7 | End of 2nd Shut-in | 1771 | 26.0 |

# PARA ET AL CAMERON E-07
# 00/ 60.062 / 117.314 /0
# DST# 4

## Recorder# 77237

Depth: 1,252.00 m
Temperature: 51.5 C
Location: Inside

Recorder Type: SPAR
Capacity: 68,900 kPaa
Comments: Above interval

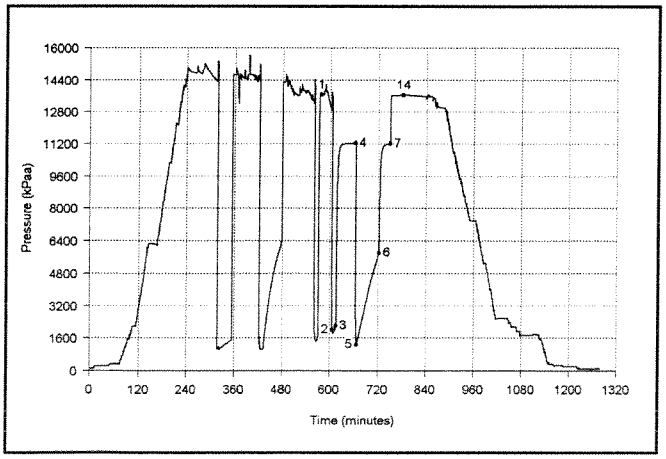



| | | *Pressure (kPaa)* | *Time (min)* |
|---|---|---|---|
| 1 | Initial Hydrostatic | 13444 | |
| 2 | Start of 1st Flow | 1626 | |
| 3 | End of 1st Flow | 2151 | 8.5 |
| 4 | End of 1st Shut-in | 11184 | 45.5 |
| 5 | Start of 2nd Flow | 1201 | |
| 6 | End of 2nd Flow | 5728 | 56.0 |
| 7 | End of 2nd Shut-in | 11126 | 26.0 |
| 14 | Final Hydrostatic | 13565 | |

## Recorder# 77242

Depth: 1,269.00 m
Temperature: 51.5 C
Location: Outside

Recorder Type: SPAR
Capacity: 68,900 kPaa




| | | *Pressure (kPaa)* | *Time (min)* |
|---|---|---|---|
| 1 | Initial Hydrostatic | 13640 | |
| 2 | Start of 1st Flow | 1979 | |
| 3 | End of 1st Flow | 2189 | 8.5 |
| 4 | End of 1st Shut-in | 11209 | 45.5 |
| 5 | Start of 2nd Flow | 1243 | |
| 6 | End of 2nd Flow | 5780 | 56.0 |
| 7 | End of 2nd Shut-in | 11183 | 26.0 |
| 14 | Final Hydrostatic | 13635 | |

Baker Oil Tools

# Closed Chamber Test Report

*Prepared for:* **Paramount Resources Ltd.**

Well Name: **PARA ET ALCAMERON E-07**

Location: **60.062/117.314**

Test Date: **Sat 25 Mar 2006**

Job Ticket #: **602326** DST #: **4**

# Pre-Test Plan

Baker Oil Tools
1300, 401 - 9th Ave. SW, Calgary, Alberta
(403) 537-3400 * http://www.bakeroiltools.com/

## General Information

Baker's Ticket: **602326**
Date: **Sat 25 Mar 2006**

Customer: **Paramount Resources Ltd.**
Well Name: **PARA ET ALCAMERON E-07**
Well Location: **60.062/117.314**
Well License Number: **1125**
Customer Rep: **NEIL RUNDEL**

Rig Name & Number: **PRECISION 129**
Testing Company: **Baker Oil Tools**
DST Supervisor: **JOHN SANDFORD**
DST Truck: **61679**

Primary Objective of Closed Chamber: **Safety**

Closed Chamber Technician: **CARL PETERSON**
Telemetry Truck: **118**

Test #: **4**
Interval: **1,267.00 to 1,279.00 meters**
Formation: **SLAVE POINT**
Test Type: **Inflate Straddle**
Hole Size: **200.000 mm**
Total Depth: **1,457 meters**

Mud Type: **Gel Chemical**
Mud Weight: **1090 kg/m3**
Mud Viscosity: **86 l/min**
Mud Resistivity:
Mud Salinity:

## Constants Used During Pretest Planning

Surface Temp: **10.00 Celcius OR 283.15 kelvin**
Formation Temp: **52.00 Celcius OR 325.15 kelvin**
Average Temp: **31.00 Celcius OR 304.15 kelvin**

Compressibility: **0.90**

BottomHole Choke Size: **12.700 mm**
Surface Choke Size: **12.700 mm**

Cushion Type: **inhibitor**
Cushion Amount: **116.00 meters**

## Maximum Possible Rates

| | Liquid Rate | Gas Rate | Surface Rate |
|---|---|---|---|
| Gas: | —— | **275,992.4 m3/d** | **2,858.1 kPa/min** |
| Gas Saturated H2O: | **834.5 m3/d** | **275.4 m3/d** | **11.9 kPa/min** |
| Pure Liquid Influx: | **834.5 m3/d** | —— | **9.1 kPa/min** |

## Chamber Volume

| *Drill Collar* | *Heavy Weight Drill Pipe* | *Drill Pipe* |
|---|---|---|
| ID: **57.000 mm** | ID: **65.000 mm** | ID: **84.000 mm** |
| Length: **112.25 m** | Length: **57.17 m** | Length: **1,078.86 m** |
| Capacity: **0.0026 m3/m** | Capacity: **0.0033 m3/m** | Capacity: **0.0055 m3/m** |
| Volume: **0.2864 m3** | Volume: **0.1897 m3** | Volume: **5.9788 m3** |

Total Chamber Volume: **6.4549 cubic meters**
Minus Cushion Volume: **0.2989 cubic meters**

Net Chamber Air Volume: **6.1561 cubic meters**

# Field Remarks

Baker Oil Tools
1300, 401 - 9th Ave. SW, Calgary, Alberta
(403) 537-3400 * http://www.bakeroiltools.com/

| | | | |
|---|---|---|---|
| Baker's Ticket: | **602326** | Date: | **Sat 25 Mar 2006** |
| Customer: | **Paramount Resources Ltd.** | Test #: | **4** |
| Well Name: | **PARA ET ALCAMERON E-07** | Interval: | **1,267.00 to 1,279.00 meters** |
| Well Location: | **60.062/117.314** | Formation: | **SLAVE POINT** |

Using the recovery recorder hydrostatic pressure of 1,688 kPag and the reported recovery of 211 meters yields a gradient of 8 kPa/meter. This value is too low for this type of recovery. It was reported that gas pockets were in the recovery which can give a false height. Using a gradient of 10 kPa/meters, a recovery of 169 meters if more resonable.

The same recorder shows that prior to the preflow, 116 meters of fluid was in the pipe. This is a combination of the water and inhibitor run prior to DST #2 plus the fluid produced on DST #2 and DST #3. This 116 meters also includes 29 meters that was picked up when the seat was lost at the start of the test.

The recovery recorder shows a pressure gain of 527 kPa for DST #4. Using the assumed gradient of 10 kPa/meter yields a recovery of 53 meters for the test.

The surface pressure increase during the test if all due to fluid would have resulted in excess of 2000 meters being produced. As the actual fluid produced from this test was 53 meters the extra pressure is due to gas.

# Production Rates

Baker Oil Tools
1300, 401 - 9th Ave. SW, Calgary, Alberta
(403) 537-3400 * http://www.bakeroiltools.com/

| | | | |
|---|---|---|---|
| Baker's Ticket: | **602326** | Date: | **Sat 25 Mar 2006** |
| Customer: | **Paramount Resources Ltd.** | Test #: | **4** |
| Well Name: | **PARA ET ALCAMERON E-07** | Interval: | **1,267.00 to 1,279.00 meters** |
| Well Location: | **60.062/117.314** | Formation: | **SLAVE POINT** |

## Flow Rates For Liquids

### *1st Flow*

| | |
|---|---|
| Fluid Gradient: | **10.00 kPa/meter** |
| Hydrostatic of produced fluid: | **0.00 kPa** |
| Total Volume Produced: | **0.00 cubic meters** |
| Production Rate: | **0.00 cubic meters/day** |

### *2nd Flow*

| | |
|---|---|
| Fluid Gradient: | **10.00 kPa/meter** |
| Hydrostatic of produced fluid: | **30.37 kPa** |
| Total Volume Produced: | **0.01 cubic meters** |
| Production Rate: | **0.24 cubic meters/day** |

## Flow Rates For Gases

### *1st Flow*

| | |
|---|---|
| Average Rate: | **5,767 cubic meters/day** |
| Maximum Rate: | **8,976 cubic meters/day** |
| Minimum Rate: | **92 cubic meters/day** |

### *2nd Flow*

| | |
|---|---|
| Average Rate: | **5,212 cubic meters/day** |
| Maximum Rate: | **21,423 cubic meters/day** |
| Minimum Rate: | **780 cubic meters/day** |

# Summary

Baker Oil Tools
1300, 401 - 9th Ave. SW, Calgary, Alberta
(403) 537-3400 * http://www.bakeroiltools.com/

| | | | |
|---|---|---|---|
| Baker's Ticket: | **602326** | Date: | **Sat 25 Mar 2006** |
| Customer: | **Paramount Resources Ltd.** | Test #: | **4** |
| Well Name: | **PARA ET ALCAMERON E-07** | Interval: | **1,267.00 to 1,279.00 meters** |
| Well Location: | **60.062/117.314** | Formation: | **SLAVE POINT** |

## *1st Flow*

| | | | |
|---|---|---|---|
| Time Open: | **09:08:15** | | |
| Test Tool Open For: | **11.00 minutes** | | |
| Total Surface Pressure: | **733.21 kPa** | dP/dT: | **66.66 kPa/min** |
| Hydrostatic of Produced Fluid: | **0.00 kPa** | dP/dT: | **0.00 kPa/min** |

## *1st Shut-In*

| | | | |
|---|---|---|---|
| Time Closed: | **09:19:15** | | |
| Pressure Vented After: | **12.00 minutes** | | |
| Total Additional Surface Pressure: | **25.84 kPa** | dP/dT: | **2.15 kPa/min** |

## *2nd Flow*

| | | | |
|---|---|---|---|
| Time Open: | **10:06:45** | | |
| Test Tool Open For: | **59.50 minutes** | | |
| Total Surface Pressure: | **4,097.07 kPa** | dP/dT: | **68.86 kPa/min** |
| Hydrostatic of Produced Fluid: | **30.37 kPa** | dP/dT: | **0.51 kPa/min** |

## *2nd Shut-In*

| | | | |
|---|---|---|---|
| Time Closed: | **11:06:15** | | |
| Pressure Vented After: | **8.00 minutes** | | |
| Total Additional Surface Pressure: | **5.65 kPa** | dP/dT: | **0.71 kPa/min** |

# Closed Chamber Gas Rates

**1st Flow**

Baker Oil Tools
1300, 401 - 9th Ave. SW, Calgary, Alberta
(403) 537-3400 * http://www.bakeroiltools.com/

| | | | |
|---|---|---|---|
| Baker's Ticket: | **602326** | Date: | **Sat 25 Mar 2006** |
| Customer: | **Paramount Resources Ltd.** | Test #: | **4** |
| Well Name: | **PARA ET ALCAMERON E-07** | Interval: | **1,267.00 to 1,279.00 meters** |
| Well Location: | **60.062/117.314** | Formation: | **SLAVE POINT** |

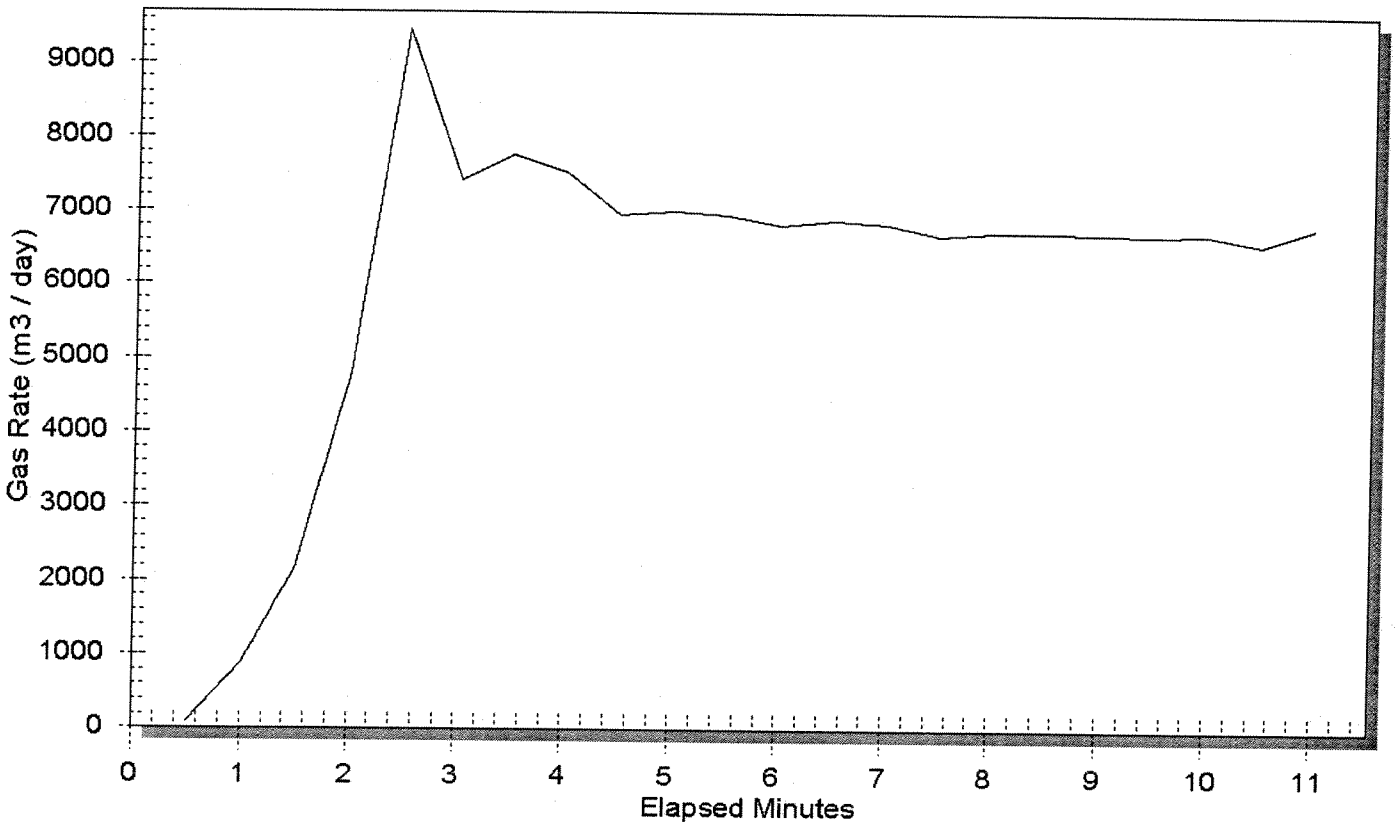
| Time of Day hh:mm:ss | Elapsed min | Pressure kPa | DPDT kPa/min | Gas Rate m3/day |
|---|---|---|---|---|
| 09:08:16 | 0.00 | 91.20 | | |
| 09:08:46 | 0.50 | 91.70 | 1.00 | 92 |
| 09:09:16 | 1.00 | 96.52 | 9.63 | 888 |
| 09:09:46 | 1.50 | 108.27 | 23.50 | 2,166 |
| 09:10:16 | 2.00 | 134.22 | 51.91 | 4,784 |
| 09:10:46 | 2.50 | 185.50 | 102.55 | 9,451 |
| 09:11:16 | 3.00 | 225.74 | 80.49 | 7,418 |
| 09:11:46 | 3.50 | 267.80 | 84.11 | 7,751 |
| 09:12:16 | 4.00 | 308.54 | 81.49 | 7,510 |
| 09:12:46 | 4.50 | 346.23 | 75.38 | 6,947 |
| 09:13:16 | 5.00 | 384.19 | 75.92 | 6,997 |
| 09:13:46 | 5.50 | 421.91 | 75.44 | 6,952 |
| 09:14:16 | 6.00 | 458.86 | 73.89 | 6,810 |
| 09:14:46 | 6.50 | 496.24 | 74.77 | 6,891 |
| 09:15:16 | 7.00 | 533.33 | 74.17 | 6,836 |
| 09:15:46 | 7.50 | 569.58 | 72.50 | 6,682 |
| 09:16:16 | 8.00 | 606.12 | 73.08 | 6,735 |
| 09:16:46 | 8.50 | 642.62 | 73.01 | 6,729 |
| 09:17:16 | 9.00 | 679.06 | 72.88 | 6,717 |
| 09:17:46 | 9.50 | 715.40 | 72.68 | 6,698 |
| 09:18:16 | 10.00 | 751.78 | 72.76 | 6,705 |
| 09:18:46 | 10.50 | 787.46 | 71.36 | 6,576 |
| 09:19:16 | 11.00 | 824.41 | 73.90 | 6,811 |

# Closed Chamber Gas Rates

**1st Flow**

Baker Oil Tools
1300, 401 - 9th Ave. SW, Calgary, Alberta
(403) 537-3400 * http://www.bakeroiltools.com/

| | | | |
|---|---|---|---|
| Baker's Ticket: | **602326** | Date: | **Sat 25 Mar 2006** |
| Customer: | **Paramount Resources Ltd.** | Test #: | **4** |
| Well Name: | **PARA ET ALCAMERON E-07** | Interval: | **1,267.00 to 1,279.00 meters** |
| Well Location: | **60.062/117.314** | Formation: | **SLAVE POINT** |



# Closed Chamber Gas Rates

**2nd Flow**

Baker Oil Tools
1300, 401 - 9th Ave. SW, Calgary, Alberta
(403) 537-3400 * http://www.bakeroiltools.com/

| | | | |
|---|---|---|---|
| Baker's Ticket: | **602326** | Date: | **Sat 25 Mar 2006** |
| Customer: | **Paramount Resources Ltd.** | Test #: | **4** |
| Well Name: | **PARA ET ALCAMERON E-07** | Interval: | **1,267.00 to 1,279.00 meters** |
| Well Location: | **60.062/117.314** | Formation: | **SLAVE POINT** |

| Time of Day hh:mm:ss | Elapsed min | Pressure kPa | DPDT kPa/min | Gas Rate m3/day |
|---|---|---|---|---|
| 10:06:46 | 0.00 | 91.05 | | |
| 10:07:16 | 0.50 | 95.53 | 8.96 | 826 |
| 10:07:46 | 1.00 | 124.33 | 57.58 | 5,307 |
| 10:08:16 | 1.50 | 197.49 | 146.33 | 13,486 |
| 10:08:46 | 2.00 | 326.82 | 258.66 | 23,838 |
| 10:09:16 | 2.50 | 375.67 | 97.69 | 9,003 |
| 10:09:46 | 3.00 | 423.47 | 95.62 | 8,812 |
| 10:10:16 | 3.50 | 469.36 | 91.77 | 8,457 |
| 10:10:46 | 4.00 | 511.97 | 85.22 | 7,854 |
| 10:11:16 | 4.50 | 552.59 | 81.24 | 7,487 |
| 10:11:46 | 5.00 | 592.86 | 80.54 | 7,423 |
| 10:12:16 | 5.50 | 633.99 | 82.26 | 7,581 |
| 10:12:46 | 6.00 | 673.24 | 78.51 | 7,235 |
| 10:13:16 | 6.50 | 711.73 | 76.97 | 7,094 |
| 10:13:46 | 7.00 | 750.80 | 78.14 | 7,201 |
| 10:14:16 | 7.50 | 785.54 | 69.49 | 6,404 |
| 10:14:46 | 8.00 | 820.21 | 69.33 | 6,390 |
| 10:15:16 | 8.50 | 859.83 | 79.25 | 7,303 |
| 10:15:46 | 9.00 | 897.63 | 75.59 | 6,966 |
| 10:16:16 | 9.50 | 935.17 | 75.08 | 6,919 |
| 10:16:46 | 10.00 | 971.46 | 72.59 | 6,690 |
| 10:17:16 | 10.50 | 1,009.62 | 76.31 | 7,033 |
| 10:17:46 | 11.00 | 1,050.88 | 82.54 | 7,607 |
| 10:18:16 | 11.50 | 1,085.89 | 70.02 | 6,453 |
| 10:18:46 | 12.00 | 1,121.60 | 71.42 | 6,582 |
| 10:19:16 | 12.50 | 1,159.62 | 76.03 | 7,007 |
| 10:19:46 | 13.00 | 1,194.90 | 70.57 | 6,503 |
| 10:20:16 | 13.50 | 1,233.33 | 76.82 | 7,080 |
| 10:20:46 | 14.00 | 1,270.28 | 73.94 | 6,814 |
| 10:21:16 | 14.50 | 1,309.45 | 78.35 | 7,221 |

# Closed Chamber Gas Rates

**2nd Flow**

Baker Oil Tools
1300, 401 - 9th Ave. SW, Calgary, Alberta
(403) 537-3400 * http://www.bakeroiltools.com/

| | | | |
|---|---|---|---|
| Baker's Ticket: | **602326** | Date: | **Sat 25 Mar 2006** |
| Customer: | **Paramount Resources Ltd.** | Test #: | **4** |
| Well Name: | **PARA ET ALCAMERON E-07** | Interval: | **1,267.00 to 1,279.00 meters** |
| Well Location: | **60.062/117.314** | Formation: | **SLAVE POINT** |

| Time of Day hh:mm:ss | Elapsed min | Pressure kPa | DPDT kPa/min | Gas Rate m3/day |
|---|---|---|---|---|
| 10:21:46 | 15.00 | 1,344.16 | 69.41 | 6,397 |
| 10:22:16 | 15.50 | 1,381.60 | 74.88 | 6,901 |
| 10:22:46 | 16.00 | 1,418.76 | 74.32 | 6,849 |
| 10:23:16 | 16.50 | 1,454.20 | 70.89 | 6,533 |
| 10:23:46 | 17.00 | 1,491.91 | 75.42 | 6,951 |
| 10:24:16 | 17.50 | 1,528.80 | 73.78 | 6,800 |
| 10:24:46 | 18.00 | 1,564.47 | 71.33 | 6,574 |
| 10:25:16 | 18.50 | 1,600.13 | 71.33 | 6,574 |
| 10:25:46 | 19.00 | 1,638.28 | 76.30 | 7,032 |
| 10:26:16 | 19.50 | 1,674.53 | 72.49 | 6,681 |
| 10:26:46 | 20.00 | 1,710.90 | 72.75 | 6,705 |
| 10:27:16 | 20.50 | 1,745.24 | 68.68 | 6,329 |
| 10:27:46 | 21.00 | 1,782.77 | 75.06 | 6,918 |
| 10:28:16 | 21.50 | 1,817.76 | 69.97 | 6,448 |
| 10:28:46 | 22.00 | 1,855.60 | 75.67 | 6,974 |
| 10:29:16 | 22.50 | 1,887.79 | 64.39 | 5,934 |
| 10:29:46 | 23.00 | 1,924.44 | 73.29 | 6,755 |
| 10:30:16 | 23.50 | 1,960.73 | 72.59 | 6,690 |
| 10:30:46 | 24.00 | 1,993.65 | 65.83 | 6,067 |
| 10:31:16 | 24.50 | 2,028.77 | 70.25 | 6,474 |
| 10:31:46 | 25.00 | 2,064.89 | 72.24 | 6,657 |
| 10:32:16 | 25.50 | 2,097.88 | 65.99 | 6,082 |
| 10:32:46 | 26.00 | 2,132.03 | 68.30 | 6,294 |
| 10:33:16 | 26.50 | 2,166.55 | 69.03 | 6,362 |
| 10:33:46 | 27.00 | 2,201.77 | 70.45 | 6,493 |
| 10:34:16 | 27.50 | 2,236.10 | 68.66 | 6,328 |
| 10:34:46 | 28.00 | 2,270.64 | 69.08 | 6,366 |
| 10:35:16 | 28.50 | 2,305.67 | 70.07 | 6,457 |
| 10:35:46 | 29.00 | 2,342.02 | 72.70 | 6,700 |
| 10:36:16 | 29.50 | 2,373.55 | 63.05 | 5,810 |

# Closed Chamber Gas Rates

**2nd Flow**

Baker Oil Tools
1300, 401 - 9th Ave. SW, Calgary, Alberta
(403) 537-3400 * http://www.bakeroiltools.com/

| | | | |
|---|---|---|---|
| Baker's Ticket: | **602326** | Date: | **Sat 25 Mar 2006** |
| Customer: | **Paramount Resources Ltd.** | Test #: | **4** |
| Well Name: | **PARA ET ALCAMERON E-07** | Interval: | **1,267.00 to 1,279.00 meters** |
| Well Location: | **60.062/117.314** | Formation: | **SLAVE POINT** |

| Time of Day hh:mm:ss | Elapsed min | Pressure kPa | DPDT kPa/min | Gas Rate m3/day |
|---|---|---|---|---|
| 10:36:46 | 30.00 | 2,406.65 | 66.21 | 6,102 |
| 10:37:16 | 30.50 | 2,439.67 | 66.05 | 6,087 |
| 10:37:46 | 31.00 | 2,475.84 | 72.32 | 6,665 |
| 10:38:16 | 31.50 | 2,509.68 | 67.69 | 6,238 |
| 10:38:46 | 32.00 | 2,542.53 | 65.69 | 6,054 |
| 10:39:16 | 32.50 | 2,574.29 | 63.52 | 5,854 |
| 10:39:46 | 33.00 | 2,606.52 | 64.47 | 5,941 |
| 10:40:16 | 33.50 | 2,639.64 | 66.24 | 6,105 |
| 10:40:46 | 34.00 | 2,672.21 | 65.14 | 6,003 |
| 10:41:16 | 34.50 | 2,704.32 | 64.22 | 5,918 |
| 10:41:46 | 35.00 | 2,734.53 | 60.41 | 5,568 |
| 10:42:16 | 35.50 | 2,768.68 | 68.30 | 6,295 |
| 10:42:46 | 36.00 | 2,799.22 | 61.08 | 5,629 |
| 10:43:16 | 36.50 | 2,832.30 | 66.16 | 6,098 |
| 10:43:46 | 37.00 | 2,864.03 | 63.45 | 5,848 |
| 10:44:16 | 37.50 | 2,894.80 | 61.56 | 5,673 |
| 10:44:46 | 38.00 | 2,927.36 | 65.11 | 6,000 |
| 10:45:16 | 38.50 | 2,958.01 | 61.30 | 5,650 |
| 10:45:46 | 39.00 | 2,986.66 | 57.30 | 5,281 |
| 10:46:16 | 39.50 | 3,018.50 | 63.61 | 5,863 |
| 10:46:46 | 40.00 | 3,050.86 | 64.79 | 5,971 |
| 10:47:16 | 40.50 | 3,081.25 | 60.78 | 5,601 |
| 10:47:46 | 41.00 | 3,112.91 | 63.33 | 5,836 |
| 10:48:16 | 41.50 | 3,142.20 | 58.57 | 5,398 |
| 10:48:46 | 42.00 | 3,172.48 | 60.55 | 5,581 |
| 10:49:16 | 42.50 | 3,201.45 | 57.94 | 5,340 |
| 10:49:46 | 43.00 | 3,234.65 | 66.40 | 6,119 |
| 10:50:16 | 43.50 | 3,264.70 | 60.10 | 5,539 |
| 10:50:46 | 44.00 | 3,295.33 | 61.28 | 5,647 |
| 10:51:16 | 44.50 | 3,325.75 | 60.83 | 5,606 |

# Closed Chamber Gas Rates

**2nd Flow**

Baker Oil Tools
1300, 401 - 9th Ave. SW, Calgary, Alberta
(403) 537-3400 * http://www.bakeroiltools.com/

| | | | |
|---|---|---|---|
| Baker's Ticket: | **602326** | Date: | **Sat 25 Mar 2006** |
| Customer: | **Paramount Resources Ltd.** | Test #: | **4** |
| Well Name: | **PARA ET ALCAMERON E-07** | Interval: | **1,267.00 to 1,279.00 meters** |
| Well Location: | **60.062/117.314** | Formation: | **SLAVE POINT** |

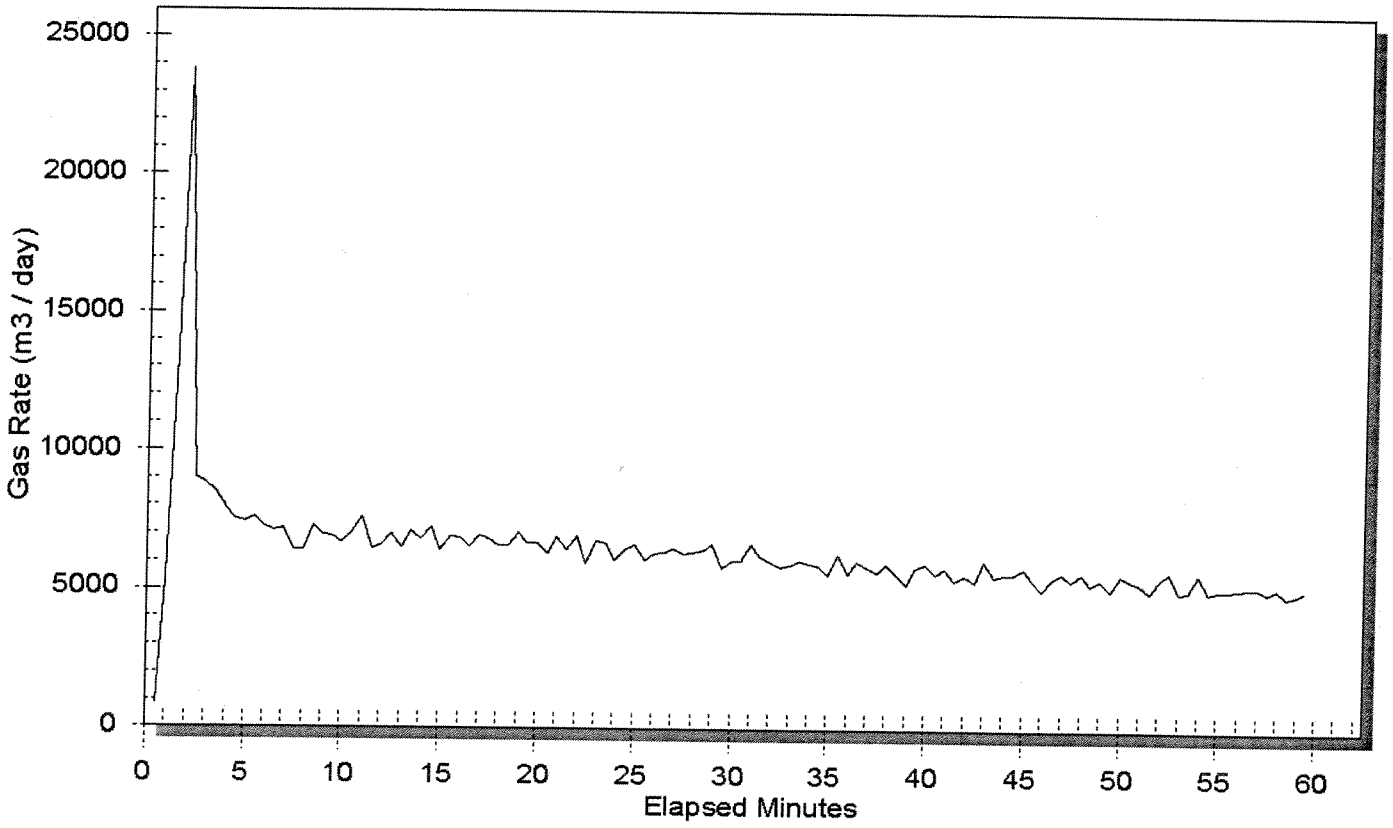
| Time of Day hh:mm:ss | Elapsed min | Pressure kPa | DPDT kPa/min | Gas Rate m3/day |
|---|---|---|---|---|
| 10:51:46 | 45.00 | 3,357.62 | 63.74 | 5,874 |
| 10:52:16 | 45.50 | 3,387.26 | 59.28 | 5,463 |
| 10:52:46 | 46.00 | 3,414.88 | 55.24 | 5,091 |
| 10:53:16 | 46.50 | 3,444.68 | 59.59 | 5,492 |
| 10:53:46 | 47.00 | 3,475.40 | 61.44 | 5,662 |
| 10:54:16 | 47.50 | 3,504.79 | 58.79 | 5,418 |
| 10:54:46 | 48.00 | 3,535.45 | 61.32 | 5,651 |
| 10:55:16 | 48.50 | 3,564.09 | 57.27 | 5,278 |
| 10:55:46 | 49.00 | 3,593.57 | 58.96 | 5,434 |
| 10:56:16 | 49.50 | 3,621.11 | 55.09 | 5,077 |
| 10:56:46 | 50.00 | 3,651.76 | 61.30 | 5,650 |
| 10:57:16 | 50.50 | 3,681.18 | 58.84 | 5,423 |
| 10:57:46 | 51.00 | 3,709.96 | 57.56 | 5,305 |
| 10:58:16 | 51.50 | 3,737.25 | 54.57 | 5,029 |
| 10:58:46 | 52.00 | 3,766.75 | 59.01 | 5,438 |
| 10:59:16 | 52.50 | 3,797.98 | 62.46 | 5,756 |
| 10:59:46 | 53.00 | 3,825.16 | 54.36 | 5,010 |
| 11:00:16 | 53.50 | 3,852.60 | 54.87 | 5,057 |
| 11:00:46 | 54.00 | 3,883.40 | 61.60 | 5,677 |
| 11:01:16 | 54.50 | 3,910.72 | 54.64 | 5,036 |
| 11:01:46 | 55.00 | 3,938.52 | 55.60 | 5,124 |
| 11:02:16 | 55.50 | 3,966.42 | 55.80 | 5,143 |
| 11:02:46 | 56.00 | 3,994.42 | 55.97 | 5,158 |
| 11:03:16 | 56.50 | 4,022.75 | 56.69 | 5,225 |
| 11:03:46 | 57.00 | 4,050.91 | 56.32 | 5,190 |
| 11:04:16 | 57.50 | 4,078.11 | 54.41 | 5,014 |
| 11:04:46 | 58.00 | 4,106.44 | 56.65 | 5,221 |
| 11:05:16 | 58.50 | 4,133.01 | 53.15 | 4,898 |
| 11:05:46 | 59.00 | 4,160.07 | 54.11 | 4,987 |
| 11:06:16 | 59.50 | 4,188.12 | 56.10 | 5,170 |

# Closed Chamber Gas Rates

**2nd Flow**

Baker Oil Tools
1300, 401 - 9th Ave. SW, Calgary, Alberta
(403) 537-3400 * http://www.bakeroiltools.com/

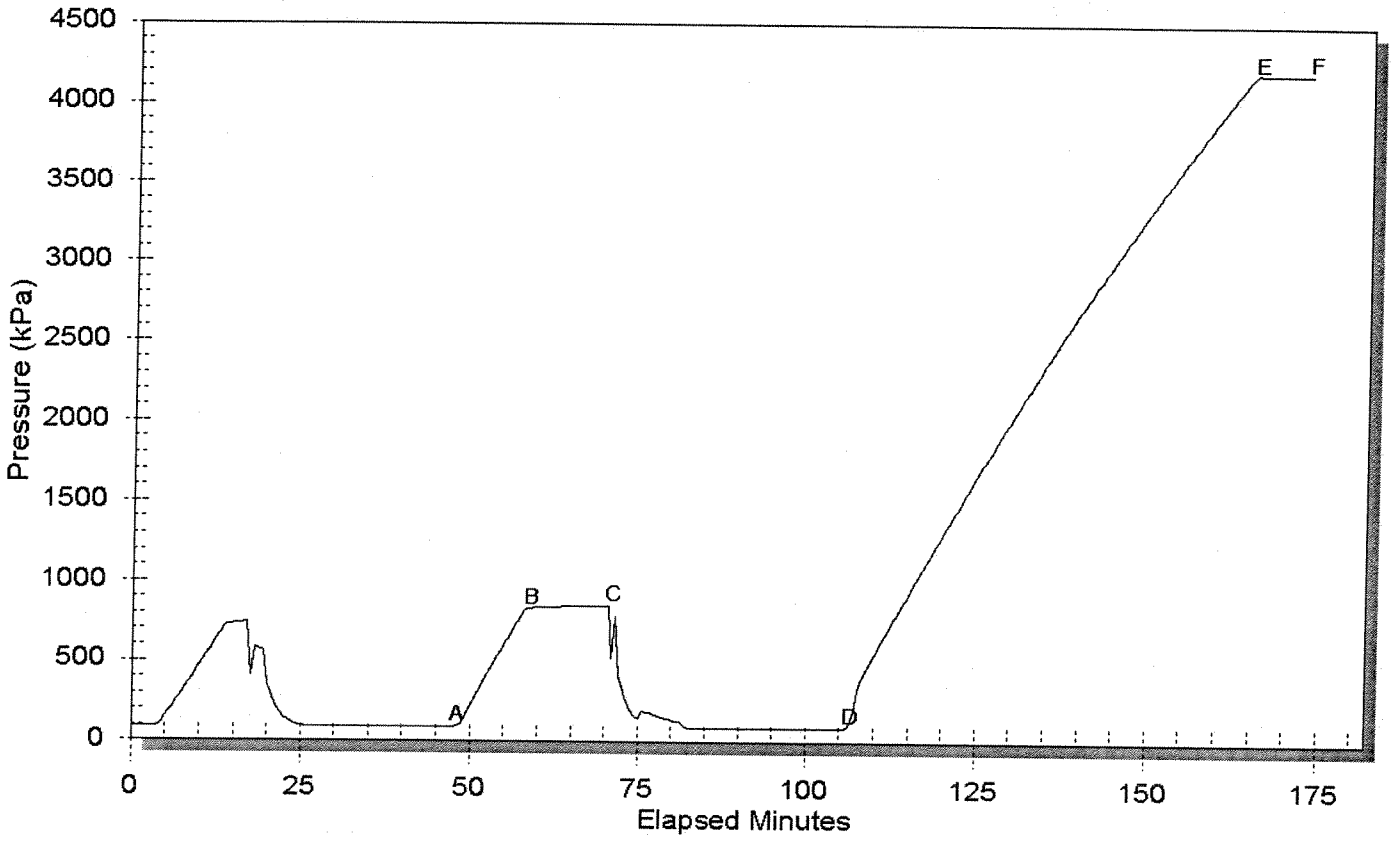
| | | | |
|---|---|---|---|
| Baker's Ticket: | **602326** | Date: | **Sat 25 Mar 2006** |
| Customer: | **Paramount Resources Ltd.** | Test #: | **4** |
| Well Name: | **PARA ET ALCAMERON E-07** | Interval: | **1,267.00 to 1,279.00 meters** |
| Well Location: | **60.062/117.314** | Formation: | **SLAVE POINT** |



# Surface Pressure

Baker Oil Tools
1300, 401 - 9th Ave. SW, Calgary, Alberta
(403) 537-3400 * http://www.bakeroiltools.com/

| | | | |
|---|---|---|---|
| Baker's Ticket: | **602326** | Date: | **Sat 25 Mar 2006** |
| Customer: | **Paramount Resources Ltd.** | Test #: | **4** |
| Well Name: | **PARA ET ALCAMERON E-07** | Interval: | **1,267.00 to 1,279.00 meters** |
| Well Location: | **60.062/117.314** | Formation: | **SLAVE POINT** |

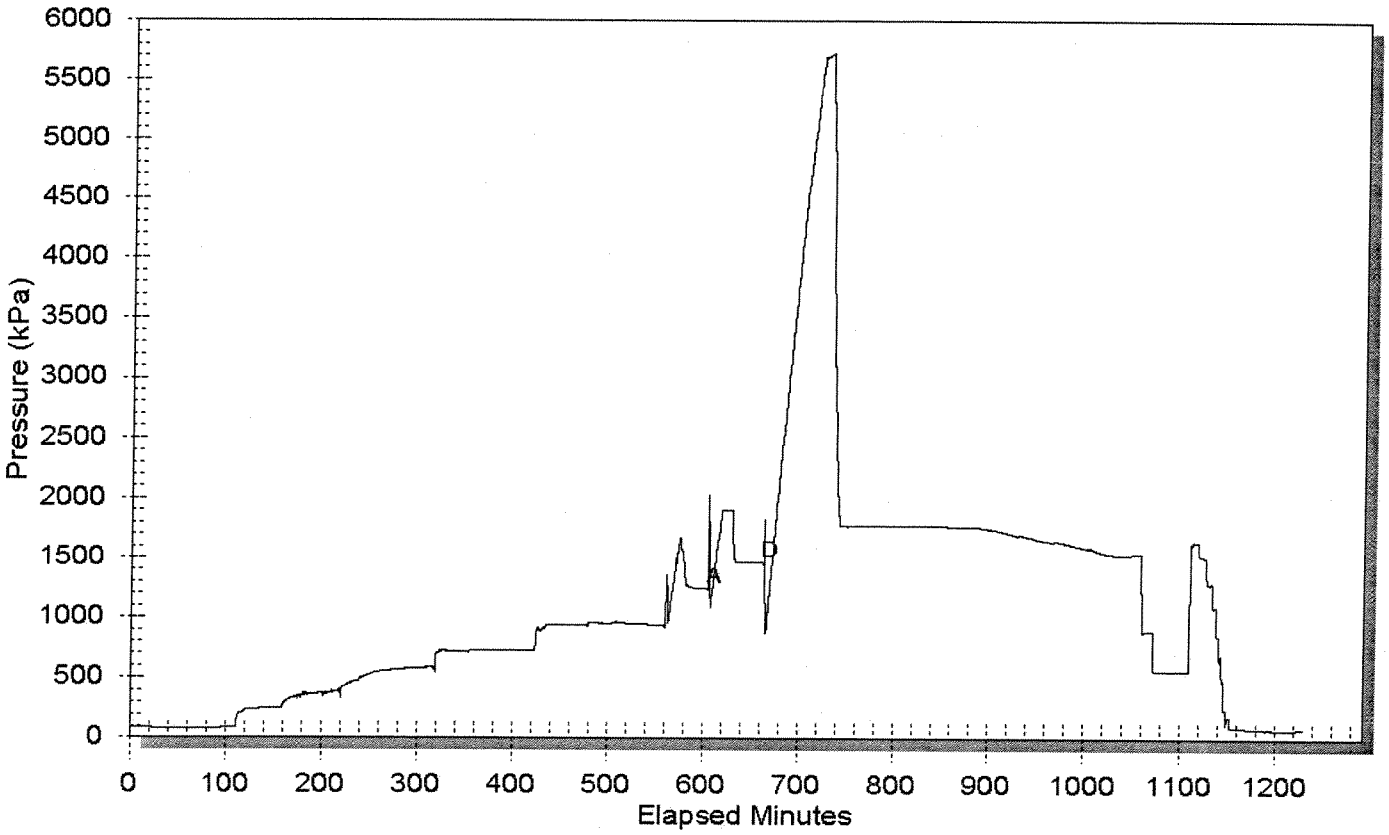



**A** Start of 1st Flow
**B** End of 1st Flow
**C** Start of 1st Bleed-Off
**D** Start of 2nd Flow
**E** End of 2nd Flow
**F** Start of 2nd Bleed-Off

# Recovery Pressure

Baker Oil Tools
1300, 401 - 9th Ave. SW, Calgary, Alberta
(403) 537-3400 * http://www.bakeroiltools.com/

| | | | |
|---|---|---|---|
| Baker's Ticket: | **602326** | Date: | **Sat 25 Mar 2006** |
| Customer: | **Paramount Resources Ltd.** | Test #: | **4** |
| Well Name: | **PARA ET ALCAMERON E-07** | Interval: | **1,267.00 to 1,279.00 meters** |
| Well Location: | **60.062/117.314** | Formation: | **SLAVE POINT** |



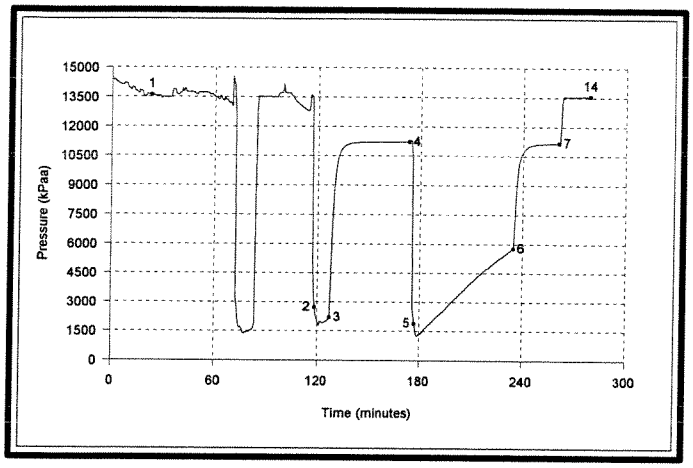

**A** Start of 1st Flow
**D** Start of 2nd Flow

# PARA ET AL CAMERON E-07 - REAL TIME TEST
# 60.062/117.314
# DST# 4

BAKER HUGHES
Baker Oil Tools

**Formation:** SLAVE POINT
**Interval - from:** 1267.00 **to:** 1279.00 m

## Recorder# 009 at 1255.00 m




Maximum Btm Hole Temperature @ FSI: 51.2 C

| | | *Pressure (kPaa)* | *Time (min)* | *Extrapolated Pressure (kPaa)* |
|---|---|---|---|---|
| 1 | Initial Hydrostatic | 13596 | | |
| 2 | Start of 1st Flow | 2717 | | |
| 3 | End of 1st Flow | 2187 | 9.2 | |
| 4 | End of 1st Shut-in | 11206 | 45.7 | |
| 5 | Start of 2nd Flow | 1880 | | |
| 6 | End of 2nd Flow | 5772 | 57.7 | |
| 7 | End of 2nd Shut-in | 11151 | 26.2 | |
| 14 | Final Hydrostatic | 13551 | | |

## Liquid Recovery of 211.00 m

Test was reversed out.

| *Recovery* | *Description* | *Salinity* |
|---|---|---|
| 20.00 m | Scrubber mixed with drilling fluid and gas | |
| 191.00 m | Gasified black drilling fluid with inhibitor and gas pockets | |

**Test Date:** 2006-03-25
**Test Type:** INFLATE STRADDLE
**Tester Name:** CARL PETERSON
**Drill Pipe O.D.:** 102.00 mm
**Drill Collar I.D.:** 57.00 mm
**Drill Collar Length:** 112.25 m
**Hole Size:** 200.00 mm

## Blow Description:

Closed Chamber.

## Remarks:

This is the third of three tests run on the same trip in the hole. The available results suggest average permeability within the interval tested. Lost the packer seat 26 minutes into the final shut-in. Lost the packer seat when opening the tool for the preflow. Repumped the packers and started over. Added 160 liters (49 meters) of inhibitor and water prior to starting the test.

PARA ET AL CAMERON E-07
60.062/117.314
DST #: 4
Recorder: 009

Pressure (kPaa) at Critical Points:

| | | |
|---|---|---|
| 1: 13596 | 4: 11206 | 7: 11151 |
| 2: 2717 | 5: 1880 | 14: 13551 |
| 3: 2187 | 6: 5772 | |