

N.E.B. COPY

Para et al Fort Liard N-01  
N-01  
Mattson, M2A, M2B, M3 Formation  
Static Gradient Test Data  
Aug 08, 2002

**Opseca**★

## **GENERAL INFORMATION**

### **Client Information:**

Company: Paramount Resourecs Ltd.

Contact: Wayne Tomm

Phone: 290-3600 Fax: e-mail:

### **Site Information:**

Contact:

Phone: Fax: e-mail:

### **Well Information:**

Name: Para et al Fort Liard N-01

Operator: Paramount Resourecs Ltd.

Location-Downhole: N-01

Location-Surface: N-01

### **Test Information:**

Company: OPSCO Energy Industries Ltd.

Representative: Lawrence Bews

Supervisor:

Test Type: Static Gradient Job Number:

Test Unit:

Start Date: 2002/08/08 Start Time: 10:40:00

End Date: 2002/08/08 End Time: 12:53:05

Report Date: 2002/08/16 Prepared By: JIM O'KEEFE

**Remarks:** Qualified By:

Mattson M2A, M2B, M3 perforated interval @ 1644.0 - 1750.0 mKB.  
All pressures are reported in Absolute (kPaa)  
All depths are measured in mKB.



Paramount Resources Ltd.  
N-01

## Static Gradient

Para et al Fort Liard N-01  
Formation: Mattson

Start Test Date: 2002/08/08  
Final Test Date: 2002/08/08

|                      |                     |                          |                     |
|----------------------|---------------------|--------------------------|---------------------|
| Gauge Serial Number  | 1026                | Gauge Type               | Strain              |
| Gauge Manufacturer   | Panther             | Maximum Recorder Range   | 41370.00 kPa        |
| Run Depth            | 1765.10 m           | Date of Last Calibration | 2002/05/21          |
| Gauge Start Date     | 2002/08/08 10:40:00 | Gauge Stop Date          | 2002/08/08 12:53:05 |
| Date Gauge On Bottom | 2002/08/08 12:26:00 | Date Gauge Off Bottom    | 2002/08/08 12:36:00 |

### Test Data

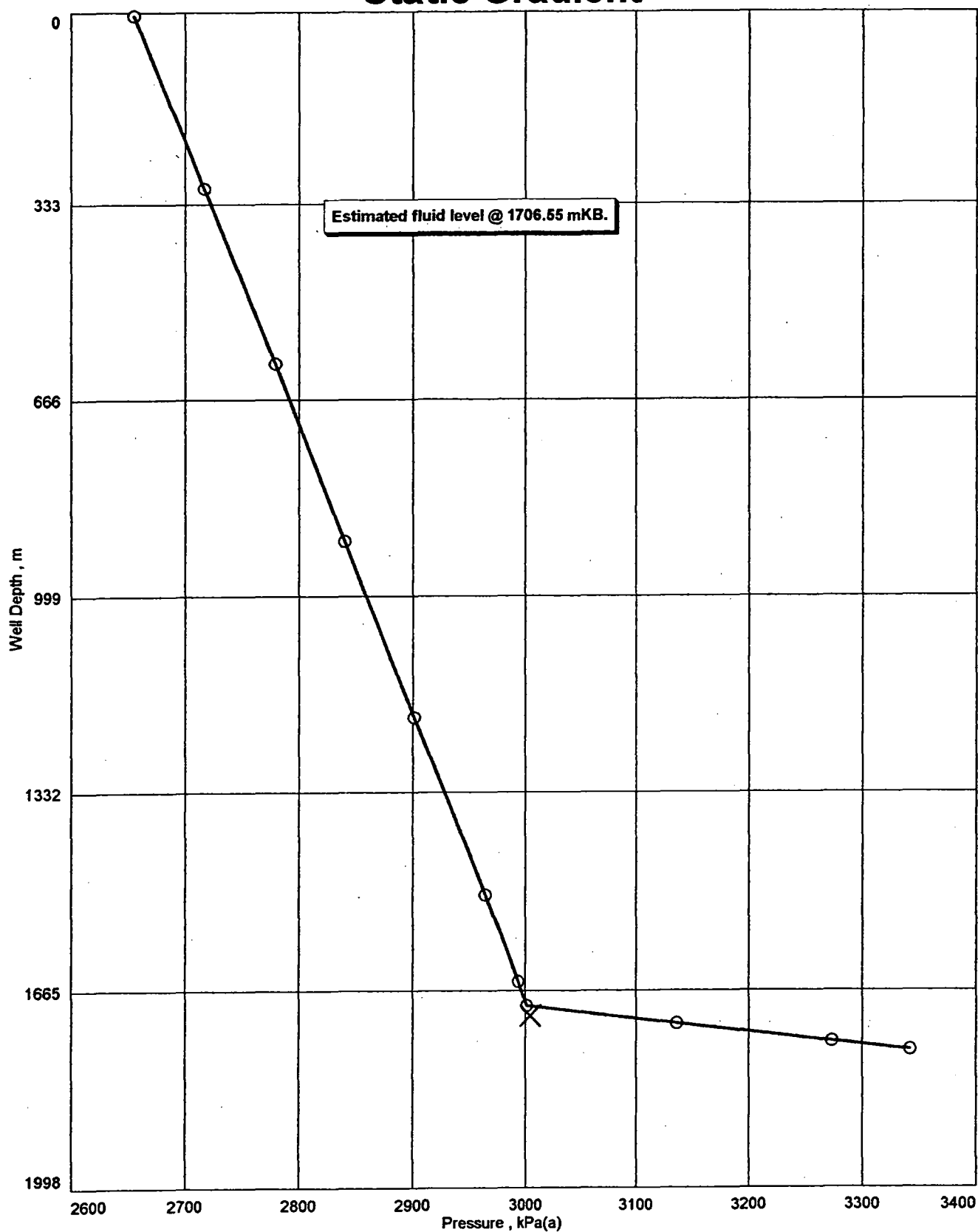
|                                 |                     |                   |           |
|---------------------------------|---------------------|-------------------|-----------|
| Test/Prod Interval Top KB (TVD) | 1644.00 m           | Base KB (TVD)     | 1750.00 m |
| Pool Datum Depth (SS)           | m                   | Well Datum Depth  | m         |
| Tubing Pressure Initial         | 2655.00 kPa(a)      | Final             | kPa(a)    |
| Casing Pressure Initial         | 10728.00 kPa(a)     | Final             | kPa(a)    |
| Start Test Date                 | 2002/08/08 10:40:00 | Date Well Shut-In |           |

| Depth<br>m | Time<br>hh:mm:ss | Duration<br>min | Pressure<br>kPa(a) | Gradient<br>kPa/m | Temp.<br>°C | Gradient<br>°C/m |
|------------|------------------|-----------------|--------------------|-------------------|-------------|------------------|
| 5.10       | 11:04:39         |                 | 2654.97            |                   | 19.38       |                  |
| 305.10     | 11:12:09         | 7.50            | 2717.00            | 0.207             | 19.90       | 0.002            |
| 605.10     | 11:22:00         | 9.83            | 2779.36            | 0.208             | 28.15       | 0.028            |
| 905.10     | 11:31:50         | 9.83            | 2839.85            | 0.202             | 35.52       | 0.025            |
| 1205.10    | 11:42:20         | 10.50           | 2901.05            | 0.204             | 42.12       | 0.022            |
| 1505.10    | 11:52:29         | 10.16           | 2963.53            | 0.208             | 54.70       | 0.042            |
| 1650.10    | 12:02:40         | 10.17           | 2993.65            | 0.208             | 60.32       | 0.039            |
| 1690.10    | 12:09:49         | 7.16            | 3001.28            | 0.191             | 61.54       | 0.031            |
| 1720.10    | 12:17:19         | 7.50            | 3137.12            | 4.528             | 62.78       | 0.041            |
| 1750.10    | 12:24:20         | 7.00            | 3273.51            | 4.546             | 62.97       | 0.006            |
| 1765.10    | 12:38:19         | 14.00           | 3342.16            | 4.577             | 63.10       | 0.008            |

### Results

|            |             |                    |           |
|------------|-------------|--------------------|-----------|
| Gradient 1 | 0.191 kPa/m | Liquid Interface 1 | 1706.55 m |
| Gradient 2 | 9.796 kPa/m | MPP                |           |

## Static Gradient



Paramount Resources Ltd.

N-01

Start Test Date: 2002/08/08

Final Test Date: 2002/08/08

## Recorder

Para et al Fort Liard N-01

Formation: Mattson

|                      |                     |                          |                     |
|----------------------|---------------------|--------------------------|---------------------|
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| Run Depth            | 1765.10 m           | Date of Last Calibration | 2002/05/21          |
| Gauge Start Date     | 2002/08/08 10:40:00 | Gauge Stop Date          | 2002/08/08 12:53:05 |
| Date Gauge On Bottom | 2002/08/08 12:26:00 | Date Gauge Off Bottom    | 2002/08/08 12:36:00 |

|                      |                     |                          |                     |
|----------------------|---------------------|--------------------------|---------------------|
| Gauge Serial Number  | 1076                | Gauge Type               | Strain              |
| Gauge Manufacturer   | Panther             | Maximum Recorder Range   | 41370.00 kPa        |
| Run Depth            | 1764.10 m           | Date of Last Calibration | 2002/05/21          |
| Gauge Start Date     | 2002/08/08 10:40:00 | Gauge Stop Date          | 2002/08/08 12:53:05 |
| Date Gauge On Bottom | 2002/08/08 12:26:00 | Date Gauge Off Bottom    | 2002/08/01 12:36:00 |

Paramount Resources Ltd.  
N-01  
Start Test Date: 2002/08/08  
Final Test Date: 2002/08/08

Para et al Fort Liard N-01  
Formation: Mattson

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