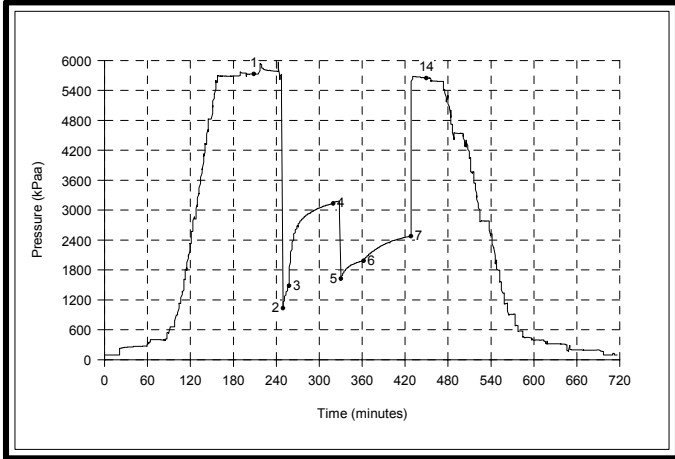


Formation: Hart River  
 Interval - from: 427.00 to: 453.00 m

Test Date: 2005-04-01  
 Test Type: inflate straddle  
 Tester Name: John Sandford  
 Drill Pipe O.D.: 114.00 mm  
 Drill Collar I.D.: 57.00 mm  
 Drill Collar Length: 54.74 m  
 Hole Size: 222.00 mm

Recorder# K3 at 429.00 m



**Blow Description:**

Closed Chamber - see report for rates.

**Remarks:**

Mechanically successful test. Results suggest average permeability within the interval tested. The shut-ins were not extrapolated as radial flow was not reached. The derivative plots maybe indicating the presence of a fracture.

Maximum Btm Hole Temperature @ FSI: 20.3 C

		Pressure (kPaa)	Time (min)	Extrapolated Pressure (kPaa)
1	Initial Hydrostatic	5730		
2	Start of 1st Flow	1031		
3	End of 1st Flow	1482	9.0	
4	End of 1st Shut-in	3131	61.0	
5	Start of 2nd Flow	1623		
6	End of 2nd Flow	1981	32.0	
7	End of 2nd Shut-in	2474	66.5	
14	Final Hydrostatic	5644		

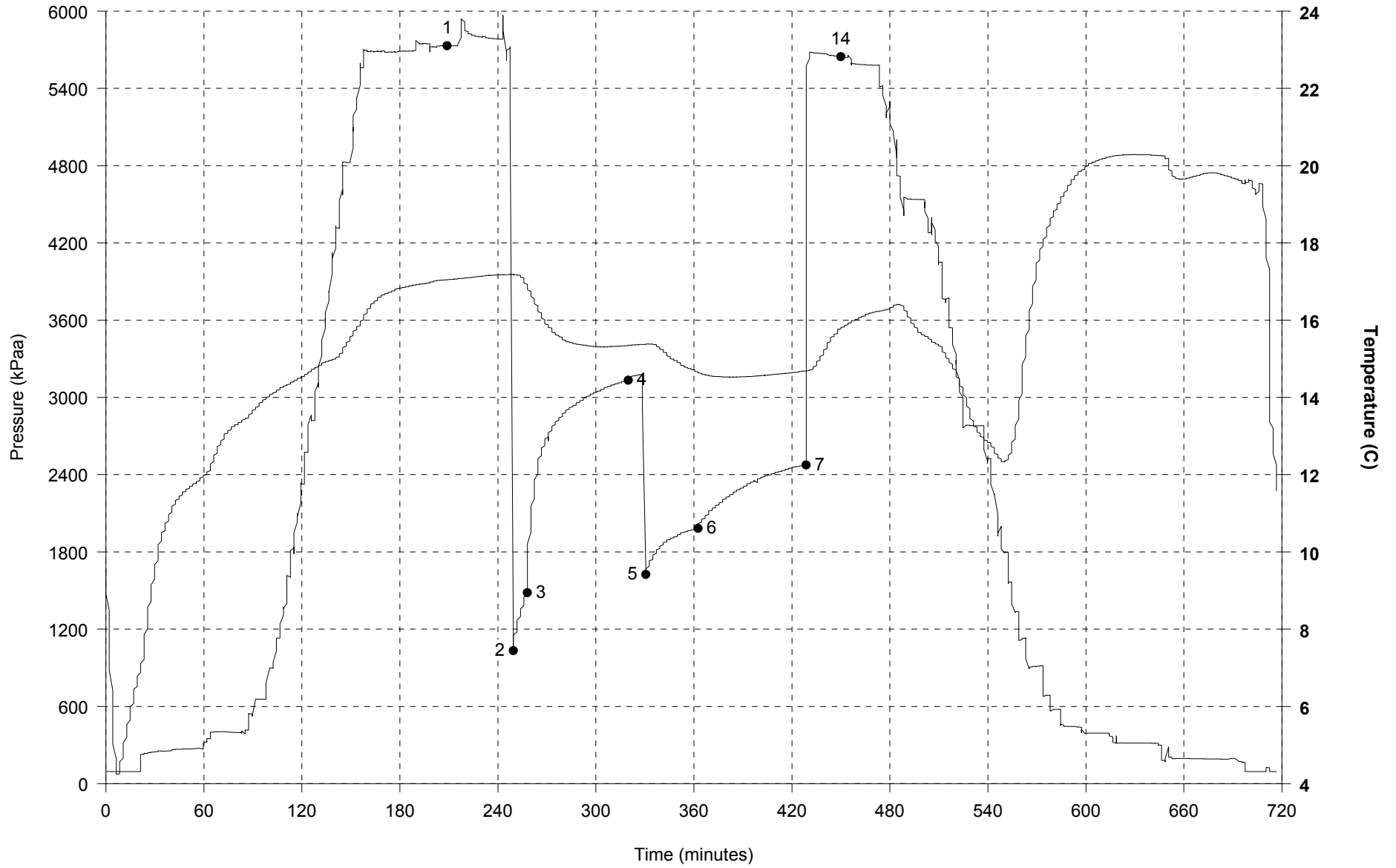
**Liquid Recovery of 130.00 m**

Recovery	Description	Salinity
130.00 m	Slightly gasified drilling fluid	3000

Devon Eagle Plains K-58  
66.073/136.553  
DST #: 5  
Recorder: K3

Pressure (kPaa) at Critical Points:  
1: 5730    4: 3131    7: 2474  
2: 1031    5: 1623    14: 5644  
3: 1482    6: 1981

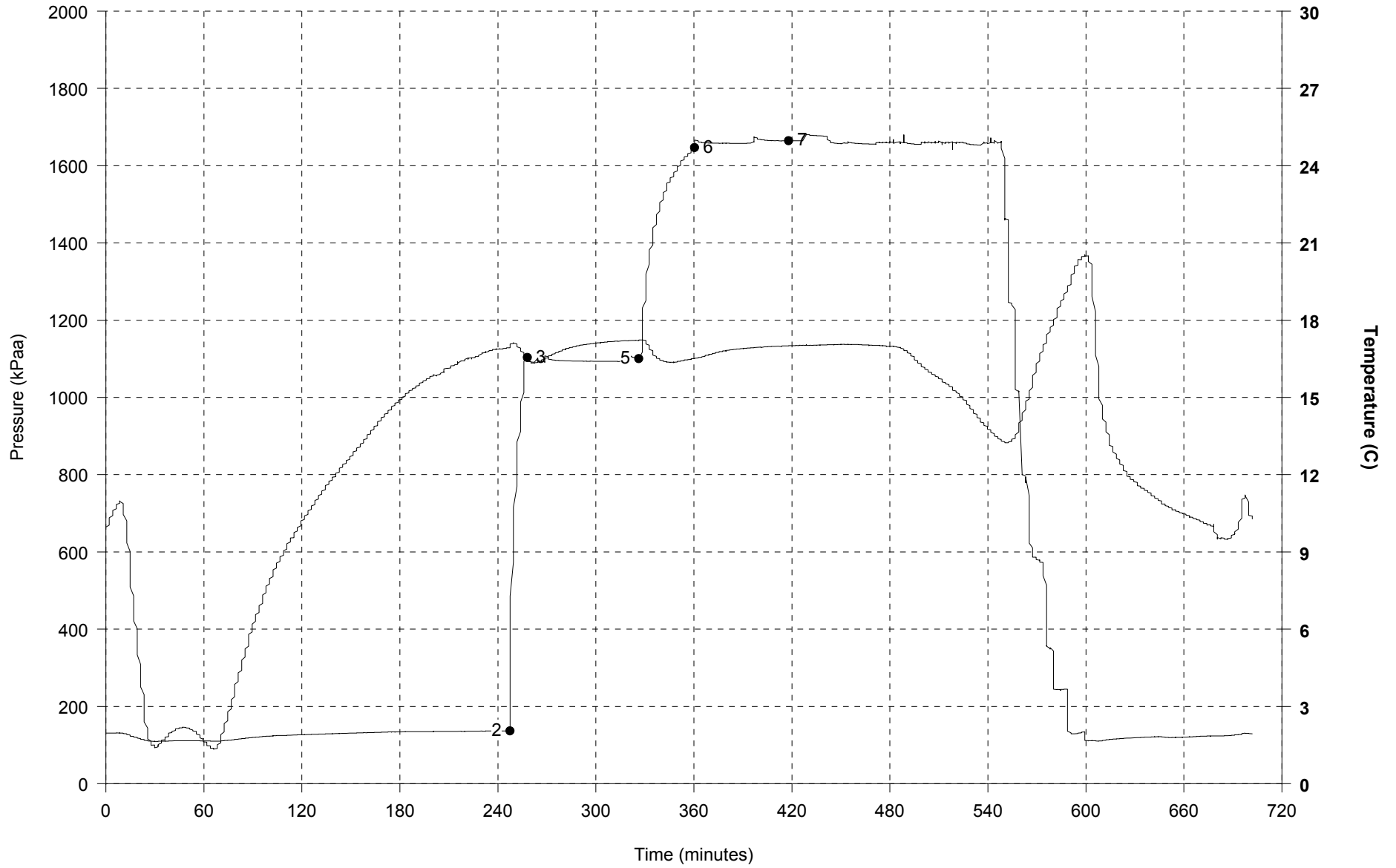
Recovery recorder



Devon Eagle Plains K-58  
66.073/136.553  
DST #: 5  
Recorder: W14

Pressure (kPaa) at Critical Points:  
2: 136     6: 1646  
3: 1103    7: 1664  
5: 1100

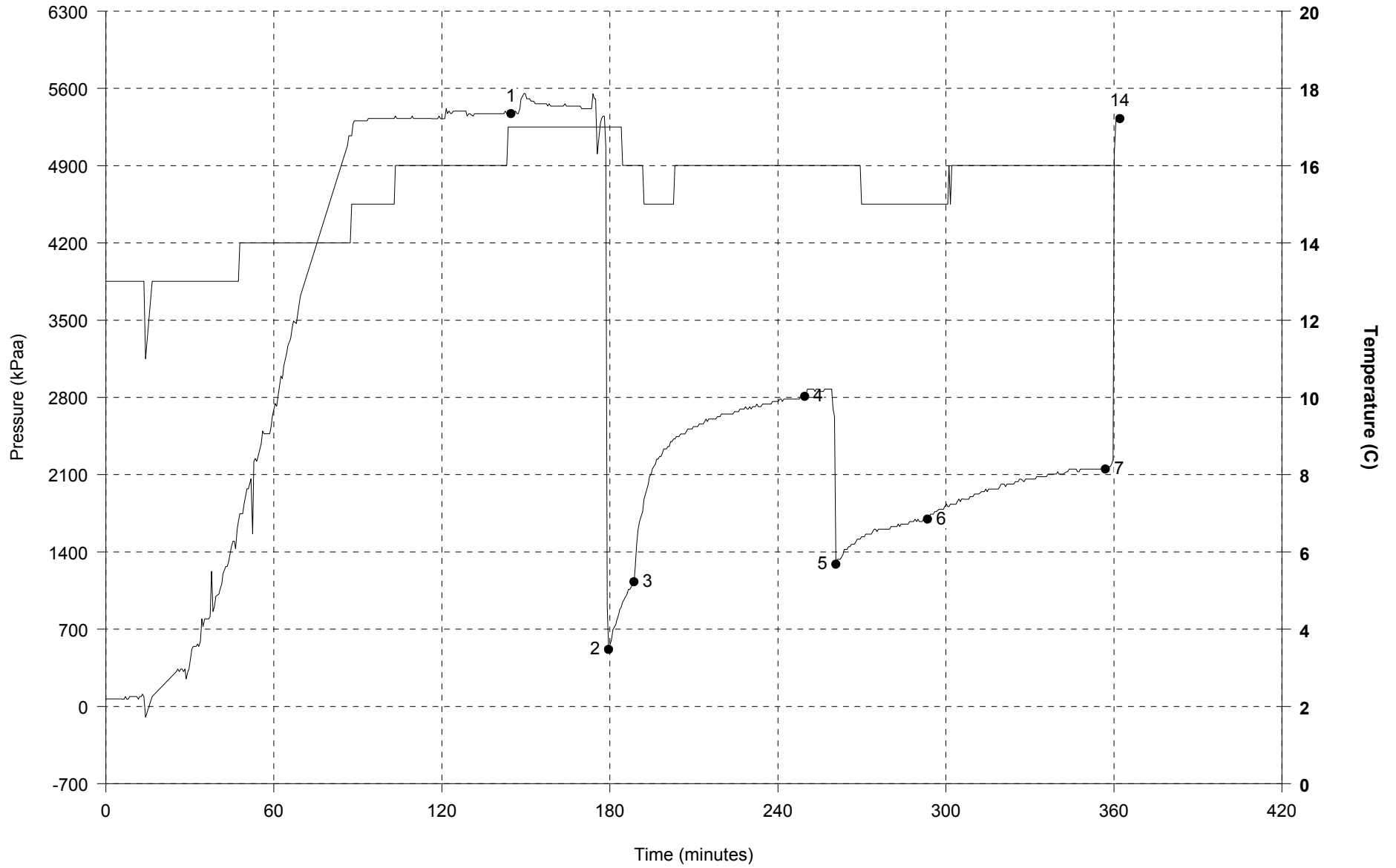
Recovery recorder



Devon Eagle Plains K-58  
 66.073/136.553  
 DST #: 5  
 Recorder: 943

Pressure (kPaa) at Critical Points:  
 1: 5370    4: 2807    7: 2149  
 2: 514    5: 1286    14: 5325  
 3: 1128    6: 1696

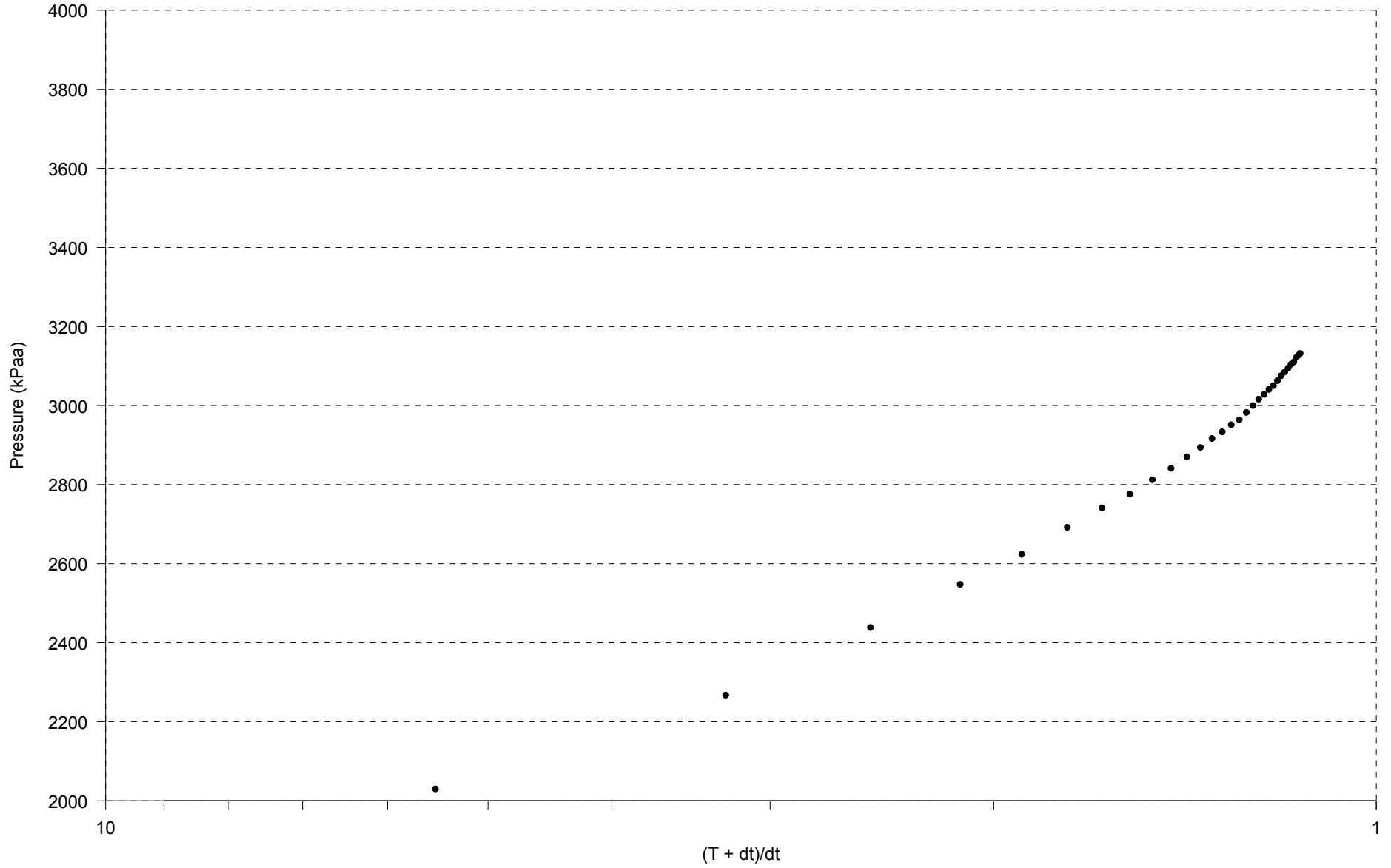
Real time gauge



Devon Eagle Plains K-58  
66.073/136.553  
DST #: 5  
Recorder: K3

Shut-in #1

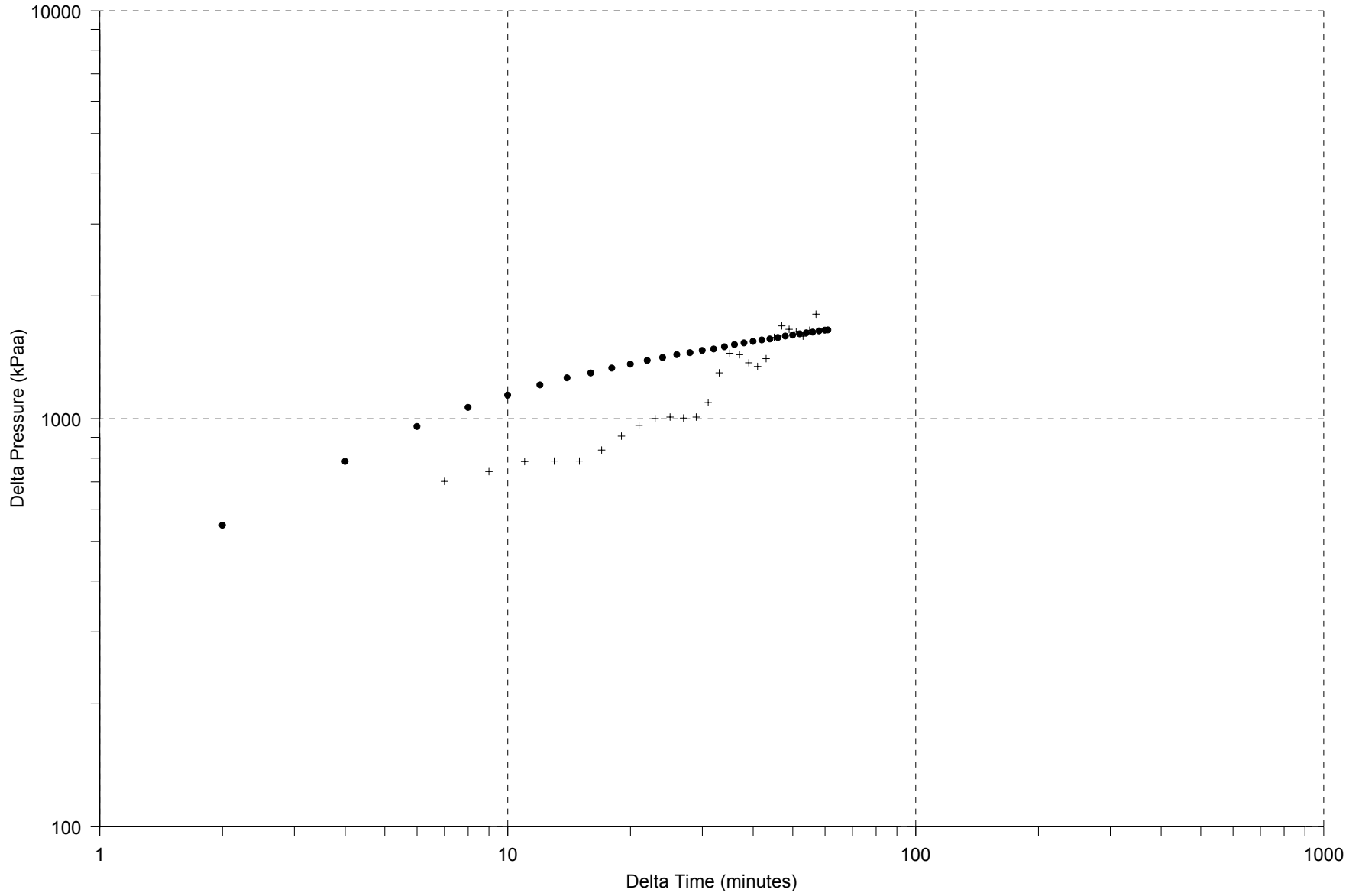
Recovery recorder



Devon Eagle Plains K-58  
66.073/136.553  
DST #: 5  
Recorder: K3

Shut-in #1

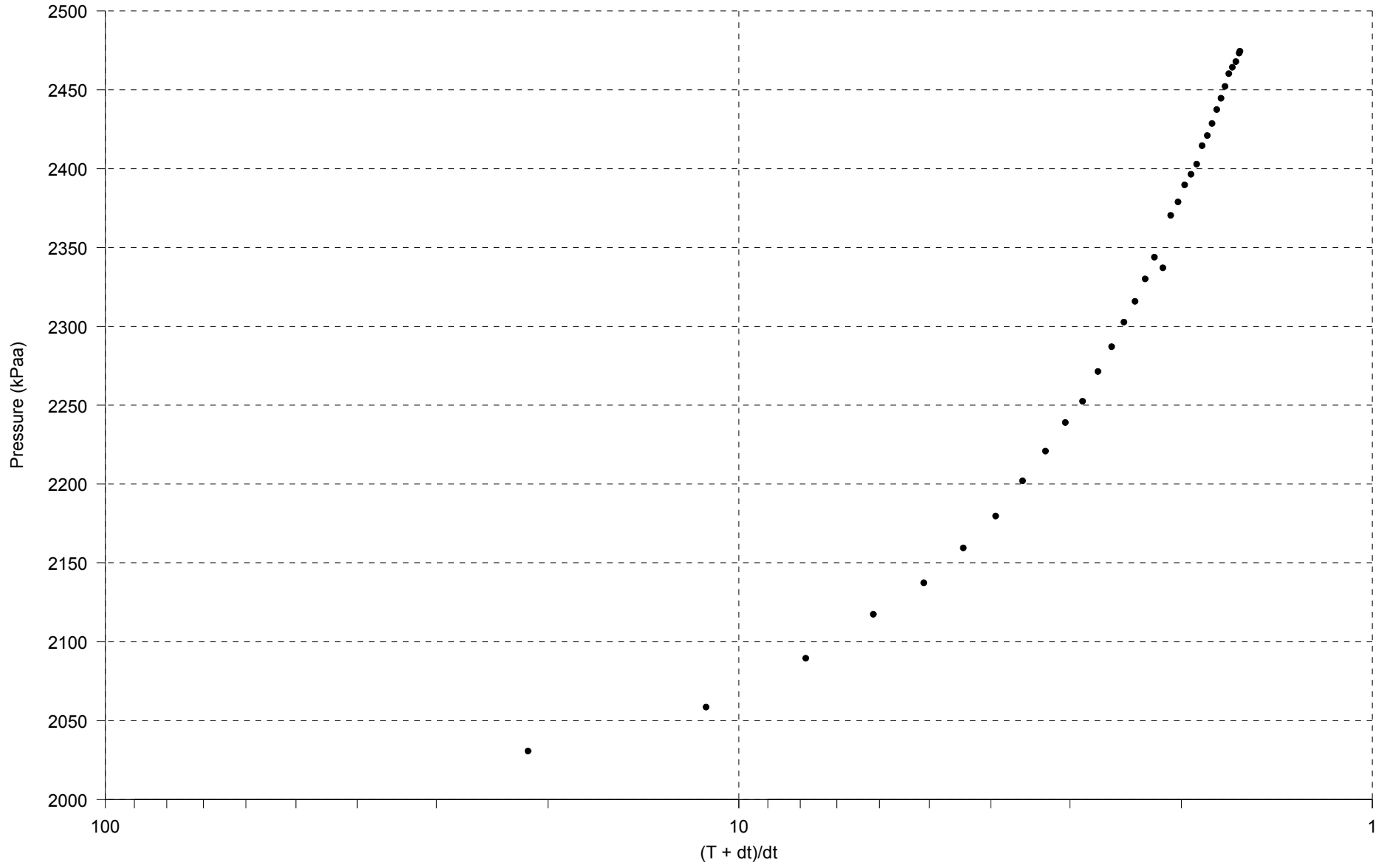
Recovery recorder



Devon Eagle Plains K-58  
66.073/136.553  
DST #: 5  
Recorder: K3

Shut-in #2

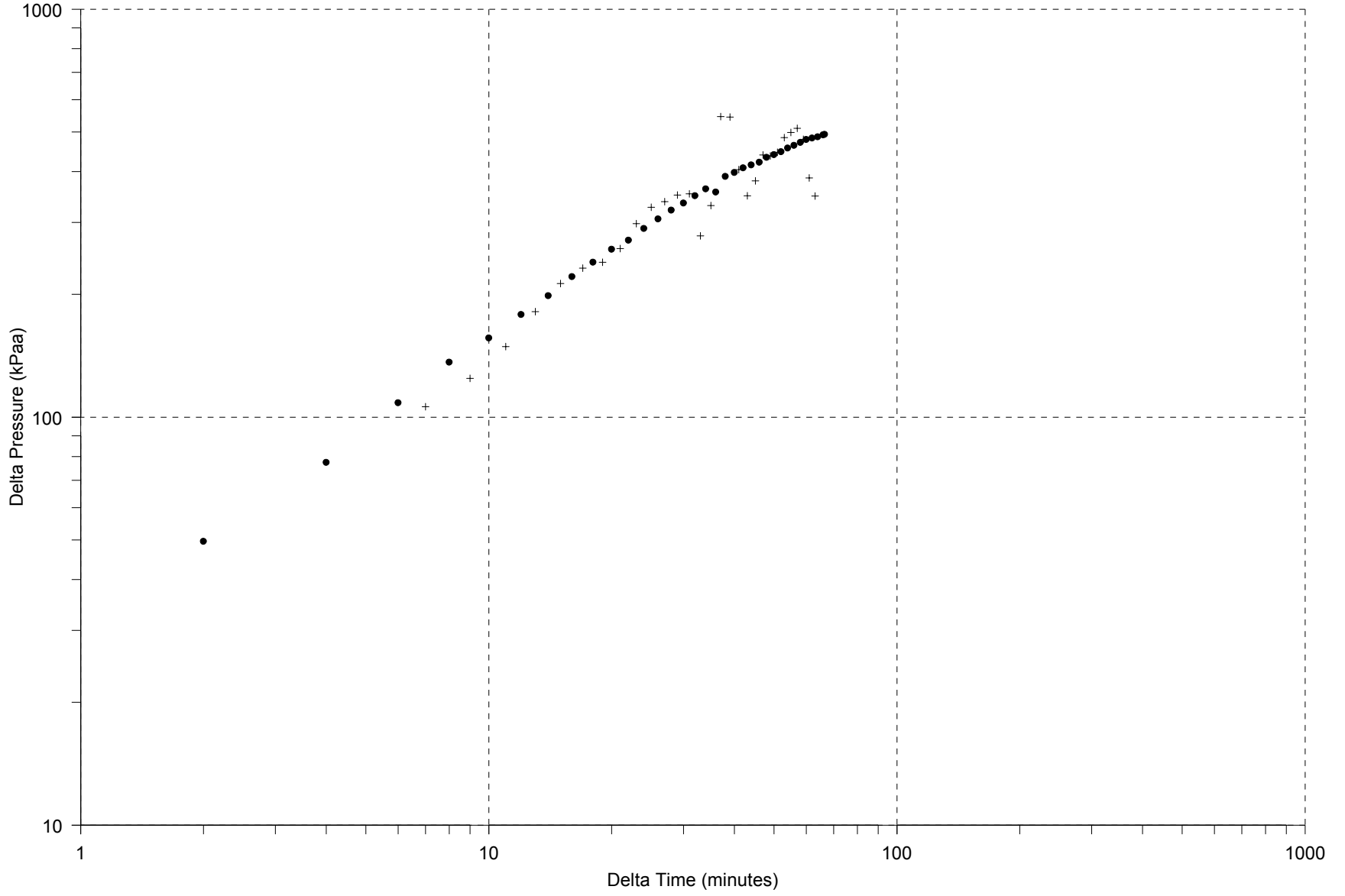
Recovery recorder



Devon Eagle Plains K-58  
66.073/136.553  
DST #: 5  
Recorder: K3

Shut-in #2

Recovery recorder







Baker Oil Tools

## Closed Chamber Test Report

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*Prepared for:* **Devon Canada Corp**

Well Name: **Devon Eagle Plains K-58**

Location: **66.073/136.553**

Test Date: **Fri 01 Apr 2005**

Job Ticket #: **60-0522**

DST #: **5**



# 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: <b>60-0522</b>	Closed Chamber Technician: <b>Jay Selinger</b>
Date: <b>Fri 01 Apr 2005</b>	Telemetry Truck: <b>I WISH</b>
Customer: <b>Devon Canada Corp</b>	Test #: <b>5</b>
Well Name: <b>Devon Eagle Plains K-58</b>	Interval: <b>427.00 to 453.00 meters</b>
Well Location: <b>66.073/136.553</b>	Formation: <b>Hart River</b>
Well License Number: <b>11120</b>	Test Type: <b>Inflate Straddle</b>
Customer Rep: <b>Earl King</b>	Hole Size: <b>222.000 mm</b>
Rig Name & Number: <b>Ensign 55</b>	Total Depth: <b>1,278 meters</b>
Testing Company: <b>Baker Oil Tools Canada</b>	Mud Type: <b>Gel Chemical</b>
DST Supervisor: <b>John Sandford</b>	Mud Weight: <b>1315 kg/m3</b>
DST Truck: <b>35161</b>	Mud Viscosity: <b>85 l/min</b>
Primary Objective of Closed Chamber: <b>Accuracy</b>	Mud Resistivity:
	Mud Salinity:

## Constants Used During Pretest Planning

Surface Temp: <b>-20.00 Celcius OR 253.15 kelvin</b>	BottomHole Choke Size: <b>12.700 mm</b>
Formation Temp: <b>25.00 Celcius OR 298.15 kelvin</b>	Surface Choke Size: <b>12.700 mm</b>
Average Temp: <b>2.50 Celcius OR 275.65 kelvin</b>	Cushion Type: <b>None</b>
Compressibility: <b>0.95</b>	Cushion Amount:

## Maximum Possible Rates

	Liquid Rate	Gas Rate	Surface Rate
Gas:	—	<b>49,413.0 m3/d</b>	<b>1,280.8 kPa/min</b>
Gas Saturated H2O:	<b>357.3 m3/d</b>	<b>117.9 m3/d</b>	<b>10.5 kPa/min</b>
Pure Liquid Influx:	<b>357.3 m3/d</b>	—	<b>7.4 kPa/min</b>

## Chamber Volume

Drill Collar	Heavy Weight Drill Pipe	Drill Pipe
ID: <b>57.000 mm</b>	ID: <b>71.000 mm</b>	ID: <b>97.000 mm</b>
Length: <b>54.74 m</b>	Length: <b>91.35 m</b>	Length: <b>266.02 m</b>
Capacity: <b>0.0026 m3/m</b>	Capacity: <b>0.0040 m3/m</b>	Capacity: <b>0.0074 m3/m</b>
Volume: <b>0.1397 m3</b>	Volume: <b>0.3617 m3</b>	Volume: <b>1.9658 m3</b>

Total Chamber Volume: **2.4672 cubic meters**  
 Minus Cushion Volume: **0.0000 cubic meters**  
 Net Chamber Air Volume: **2.4672 cubic meters**



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## Field Remarks

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

Baker's Ticket: **60-0522**

Date: **Fri 01 Apr 2005**

Customer: **Devon Canada Corp**

Test #: **5**

Well Name: **Devon Eagle Plains K-58**

Interval: **427.00 to 453.00 meters**

Well Location: **66.073/136.553**

Formation: **Hart River**

The recovery recorder shows a hydrostatic pressure of 1,564 kPag for the reported recovery of 130 meters. This yields a gradient of 12 kPa/meter which is reasonable for the type of recovery.

The surface pressure increases if due to pure liquid influx would be equal to 154 meters. The actual fluid recovery was 130 meters. As there is more surface pressure increase than pure liquid could cause, low rate gas was produced during the test. This is also seen by the gasification of the recovery.



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## Production Rates

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Baker Oil Tools  
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(403) 537-3400 \* <http://www.bakeroiltools.com/>

Baker's Ticket: **60-0522**

Date: **Fri 01 Apr 2005**

Customer: **Devon Canada Corp**

Test #: **5**

Well Name: **Devon Eagle Plains K-58**

Interval: **427.00 to 453.00 meters**

Well Location: **66.073/136.553**

Formation: **Hart River**

### Flow Rates For Liquids

#### **1st Flow**

Fluid Gradient: **10.00 kPa/meter**  
Hydrostatic of produced fluid: **944.51 kPa**  
Total Volume Produced: **0.30 cubic meters**  
Production Rate: **42.75 cubic meters/day**

#### **2nd Flow**

Fluid Gradient: **10.00 kPa/meter**  
Hydrostatic of produced fluid: **536.12 kPa**  
Total Volume Produced: **0.22 cubic meters**  
Production Rate: **9.41 cubic meters/day**

### Flow Rates For Gases

#### **1st Flow**

Average Rate: **9 cubic meters/day**  
Maximum Rate: **29 cubic meters/day**  
Minimum Rate: **0 cubic meters/day**

#### **2nd Flow**

Average Rate: **7 cubic meters/day**  
Maximum Rate: **115 cubic meters/day**  
Minimum Rate: **0 cubic meters/day**



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## Summary

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Baker Oil Tools  
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Baker's Ticket: **60-0522**

Date: **Fri 01 Apr 2005**

Customer: **Devon Canada Corp**

Test #: **5**

Well Name: **Devon Eagle Plains K-58**

Interval: **427.00 to 453.00 meters**

Well Location: **66.073/136.553**

Formation: **Hart River**

---

### *1st Flow*

---

Time Open:	<b>02:06:54</b>		
Test Tool Open For:	<b>10.00 minutes</b>		
Total Surface Pressure:	<b>12.07 kPa</b>	dP/dT:	<b>1.21 kPa/min</b>
Hydrostatic of Produced Fluid:	<b>944.51 kPa</b>	dP/dT:	<b>94.45 kPa/min</b>

---

### *1st Shut-In*

---

Time Closed:	<b>02:16:54</b>		
Pressure Vented After:	<b>70.50 minutes</b>		
Total Additional Surface Pressure:	<b>-0.12 kPa</b>	dP/dT:	<b>0.00 kPa/min</b>

---

### *2nd Flow*

---

Time Open:	<b>03:27:24</b>		
Test Tool Open For:	<b>33.50 minutes</b>		
Total Surface Pressure:	<b>10.47 kPa</b>	dP/dT:	<b>0.31 kPa/min</b>
Hydrostatic of Produced Fluid:	<b>536.12 kPa</b>	dP/dT:	<b>16.00 kPa/min</b>

---

### *2nd Shut-In*

---

Time Closed:	<b>04:00:54</b>		
Pressure Vented After:	<b>28.50 minutes</b>		
Total Additional Surface Pressure:	<b>-0.20 kPa</b>	dP/dT:	<b>-0.01 kPa/min</b>



# Combination Flow Rates

1st Flow

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

Baker's Ticket: **60-0522**

Date: **Fri 01 Apr 2005**

Customer: **Devon Canada Corp**

Test #: **5**

Well Name: **Devon Eagle Plains K-58**

Interval: **427.00 to 453.00 meters**

Well Location: **66.073/136.553**

Formation: **Hart River**

Time hh:mm:ss	Elapsed min	Surface kPa	Recovery kPa	Liq DPDT kPa	Gas DPDT kPa/min	Gas Rate m3/day	Liq Rate m3/day	Volume m3
02:06:54	0.00	76.55	43.36					
02:07:24	0.50	77.61	177.87	1.07	0.00	0	98	0.03
02:07:54	1.00	78.94	300.93	1.00	0.65	25	89	0.07
02:08:24	1.50	79.88	392.36	0.77	0.35	13	67	0.09
02:08:54	2.00	80.50	480.11	0.75	0.00	0	64	0.11
02:09:24	2.50	81.12	538.82	0.51	0.22	8	43	0.13
02:09:54	3.00	81.82	581.46	0.37	0.65	24	31	0.14
02:10:24	3.50	82.55	623.03	0.50	0.47	17	41	0.15
02:10:54	4.00	83.33	676.30	0.75	0.06	2	60	0.17
02:11:24	4.50	83.74	727.57	0.74	0.00	0	58	0.19
02:11:54	5.00	84.37	761.29	0.48	0.29	10	38	0.20
02:12:24	5.50	84.74	792.04	0.45	0.00	0	35	0.22
02:12:54	6.00	85.22	818.03	0.38	0.19	7	29	0.23
02:13:24	6.50	85.56	841.63	0.35	0.00	0	27	0.24
02:13:54	7.00	86.21	868.48	0.40	0.50	17	30	0.25
02:14:24	7.50	86.63	894.46	0.39	0.04	1	29	0.26
02:14:54	8.00	86.82	918.83	0.38	0.00	0	28	0.27
02:15:24	8.50	87.27	940.91	0.34	0.23	8	25	0.27
02:15:54	9.00	87.97	959.05	0.28	0.84	29	20	0.28
02:16:24	9.50	88.14	980.15	0.33	0.00	0	24	0.29
02:16:54	10.00	88.61	999.94	0.31	0.33	11	22	0.30



# Combination Flow Rates

1st Flow

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

Baker's Ticket: **60-0522**

Date: **Fri 01 Apr 2005**

Customer: **Devon Canada Corp**

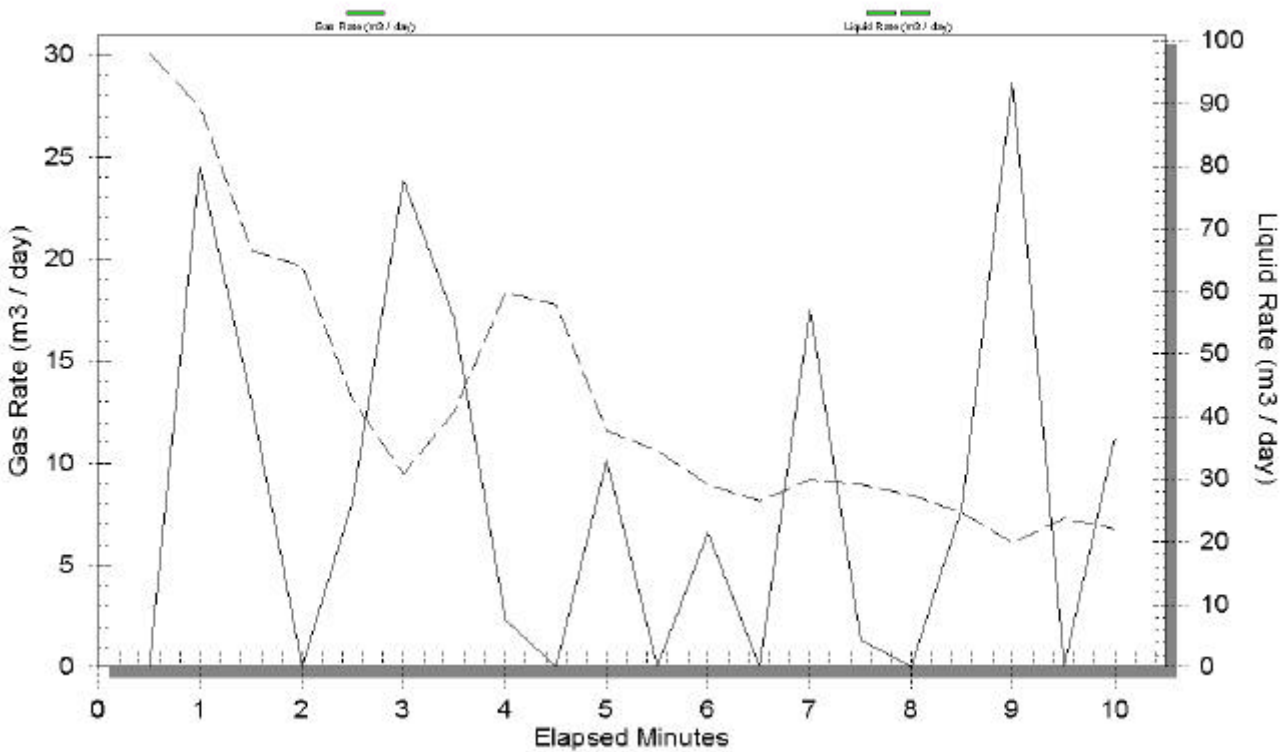
Test #: **5**

Well Name: **Devon Eagle Plains K-58**

Interval: **427.00 to 453.00 meters**

Well Location: **66.073/136.553**

Formation: **Hart River**





# Combination Flow Rates

2nd Flow

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

Baker's Ticket: **60-0522**

Date: **Fri 01 Apr 2005**

Customer: **Devon Canada Corp**

Test #: **5**

Well Name: **Devon Eagle Plains K-58**

Interval: **427.00 to 453.00 meters**

Well Location: **66.073/136.553**

Formation: **Hart River**

Time hh:mm:ss	Elapsed min	Surface kPa	Recovery kPa	Liq DPDT kPa	Gas DPDT kPa/min	Gas Rate m3/day	Liq Rate m3/day	Volume m3
03:27:24	0.00	88.49	1,006.79					
03:27:54	0.50	88.82	1,024.28	0.28	0.09	3	20	0.30
03:28:24	1.00	89.90	1,038.45	0.21	1.74	59	15	0.31
03:28:54	1.50	90.44	1,124.19	1.43	0.00	0	97	0.34
03:29:24	2.00	91.24	1,138.18	0.22	1.15	38	15	0.35
03:29:54	2.50	91.80	1,157.27	0.32	0.49	16	21	0.36
03:30:24	3.00	92.02	1,181.29	0.41	0.00	0	27	0.36
03:30:54	3.50	92.37	1,204.59	0.40	0.00	0	26	0.37
03:31:24	4.00	92.76	1,226.11	0.37	0.04	1	24	0.38
03:31:54	4.50	93.30	1,251.49	0.44	0.20	7	28	0.39
03:32:24	5.00	93.49	1,263.61	0.21	0.00	0	14	0.40
03:32:54	5.50	93.71	1,277.45	0.24	0.00	0	16	0.40
03:33:24	6.00	93.97	1,288.85	0.20	0.12	4	13	0.41
03:33:54	6.50	94.80	1,301.13	0.21	1.24	40	13	0.41
03:34:24	7.00	96.77	1,313.00	0.18	3.59	115	11	0.41
03:34:54	7.50	94.49	1,324.56	0.26	0.00	0	16	0.42
03:35:24	8.00	94.75	1,335.77	0.20	0.12	4	12	0.42
03:35:54	8.50	94.75	1,346.15	0.19	0.00	0	12	0.43
03:36:24	9.00	94.80	1,354.00	0.14	0.00	0	9	0.43
03:36:54	9.50	95.01	1,361.55	0.14	0.16	5	8	0.43
03:37:24	10.00	95.27	1,371.18	0.17	0.17	5	11	0.44
03:37:54	10.50	95.49	1,379.77	0.16	0.12	4	10	0.44
03:38:24	11.00	95.71	1,388.30	0.16	0.12	4	9	0.45
03:38:54	11.50	95.60	1,396.14	0.15	0.00	0	9	0.45
03:39:24	12.00	96.10	1,403.96	0.14	0.72	23	8	0.45
03:39:54	12.50	96.01	1,411.39	0.14	0.00	0	9	0.45
03:40:24	13.00	96.53	1,418.18	0.12	0.81	25	7	0.46
03:40:54	13.50	96.68	1,424.95	0.13	0.05	2	8	0.46
03:41:24	14.00	96.68	1,431.24	0.12	0.00	0	7	0.46
03:41:54	14.50	96.86	1,437.14	0.11	0.13	4	7	0.46
03:42:24	15.00	96.77	1,442.90	0.11	0.00	0	7	0.47
03:42:54	15.50	96.88	1,448.15	0.10	0.02	1	6	0.47
03:43:24	16.00	97.16	1,453.29	0.09	0.38	12	6	0.47
03:43:54	16.50	97.12	1,458.03	0.09	0.00	0	5	0.47
03:44:24	17.00	97.09	1,461.65	0.07	0.00	0	4	0.47
03:44:54	17.50	97.36	1,464.34	0.05	0.43	13	3	0.47
03:45:24	18.00	97.23	1,467.54	0.06	0.00	0	4	0.48





# Combination Flow Rates

2nd Flow

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

Baker's Ticket: **60-0522**

Date: **Fri 01 Apr 2005**

Customer: **Devon Canada Corp**

Test #: **5**

Well Name: **Devon Eagle Plains K-58**

Interval: **427.00 to 453.00 meters**

Well Location: **66.073/136.553**

Formation: **Hart River**

Time hh:mm:ss	Elapsed min	Surface kPa	Recovery kPa	Liq DPDT kPa	Gas DPDT kPa/min	Gas Rate m3/day	Liq Rate m3/day	Volume m3
03:45:54	18.50	97.40	1,471.18	0.07	0.21	7	4	0.48
03:46:24	19.00	97.59	1,475.00	0.07	0.25	8	4	0.48
03:46:54	19.50	97.53	1,478.60	0.07	0.00	0	4	0.48
03:47:24	20.00	97.59	1,481.93	0.06	0.01	0	4	0.48
03:47:54	20.50	97.61	1,485.71	0.07	0.00	0	4	0.48
03:48:24	21.00	97.96	1,489.27	0.06	0.57	18	4	0.48
03:48:54	21.50	97.92	1,493.21	0.08	0.00	0	5	0.49
03:49:24	22.00	97.96	1,496.77	0.07	0.00	0	4	0.49
03:49:54	22.50	97.99	1,500.51	0.07	0.00	0	4	0.49
03:50:24	23.00	98.09	1,504.06	0.07	0.08	2	4	0.49
03:50:54	23.50	98.14	1,507.15	0.06	0.00	0	3	0.49
03:51:24	24.00	98.35	1,510.30	0.06	0.32	10	3	0.49
03:51:54	24.50	98.44	1,513.42	0.06	0.06	2	3	0.49
03:52:24	25.00	98.35	1,516.18	0.06	0.00	0	3	0.49
03:52:54	25.50	98.24	1,518.89	0.06	0.00	0	3	0.50
03:53:24	26.00	98.44	1,521.70	0.05	0.28	9	3	0.50
03:53:54	26.50	98.61	1,524.23	0.05	0.26	8	3	0.50
03:54:24	27.00	98.46	1,526.59	0.05	0.00	0	3	0.50
03:54:54	27.50	98.46	1,529.17	0.05	0.00	0	3	0.50
03:55:24	28.00	98.85	1,531.38	0.04	0.71	22	2	0.50
03:55:54	28.50	98.85	1,533.57	0.04	0.00	0	3	0.50
03:56:24	29.00	98.68	1,535.62	0.08	0.00	0	5	0.50
03:56:54	29.50	98.85	1,537.67	0.07	0.21	6	4	0.50
03:57:24	30.00	98.78	1,539.47	0.07	0.00	0	4	0.51
03:57:54	30.50	98.83	1,541.37	0.07	0.00	0	4	0.51
03:58:24	31.00	98.74	1,543.14	0.07	0.00	0	4	0.51
03:58:54	31.50	98.72	1,545.08	0.07	0.00	0	4	0.51
03:59:24	32.00	98.83	1,547.26	0.08	0.06	2	4	0.51
03:59:54	32.50	98.78	1,549.13	0.07	0.00	0	4	0.51
04:00:24	33.00	99.00	1,550.92	0.06	0.32	10	3	0.51
04:00:54	33.50	98.96	1,553.38	0.09	0.00	0	5	0.52



# Combination Flow Rates

## 2nd Flow

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

Baker's Ticket: **60-0522**

Date: **Fri 01 Apr 2005**

Customer: **Devon Canada Corp**

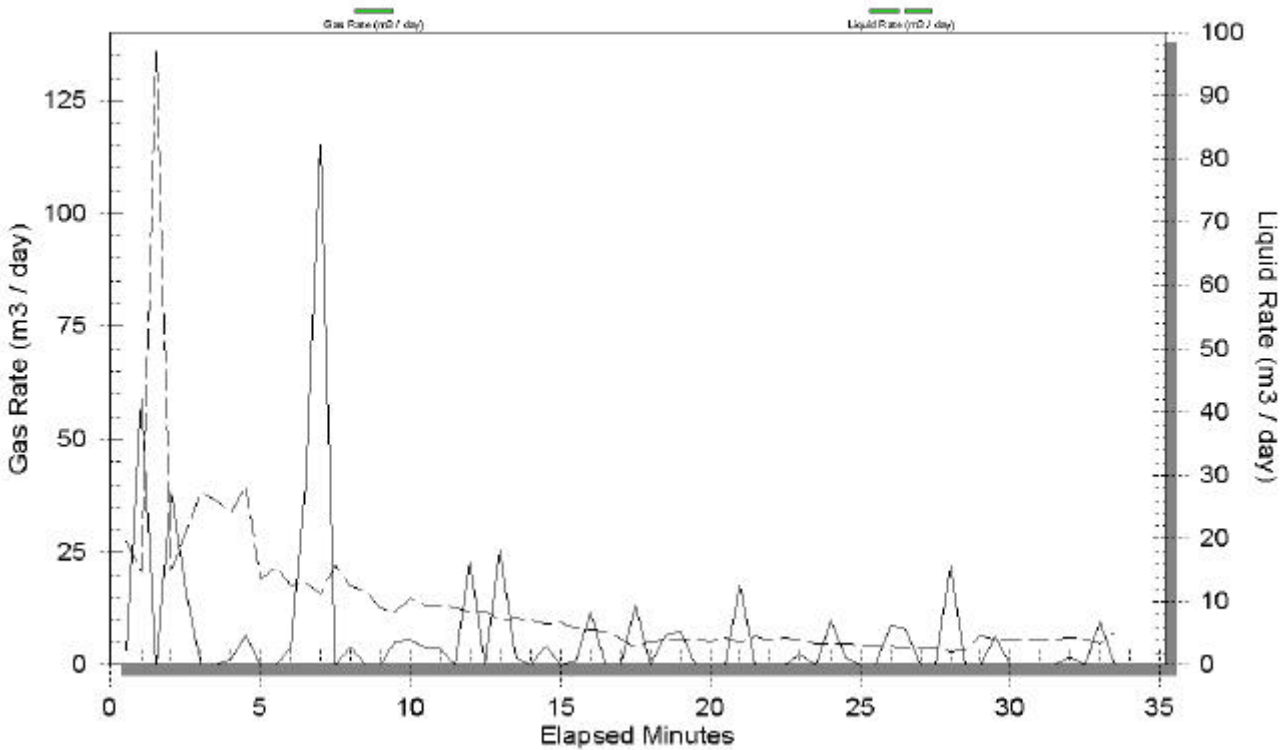
Test #: **5**

Well Name: **Devon Eagle Plains K-58**

Interval: **427.00 to 453.00 meters**

Well Location: **66.073/136.553**

Formation: **Hart River**





# Surface Pressure

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

Baker's Ticket: **60-0522**

Date: **Fri 01 Apr 2005**

Customer: **Devon Canada Corp**

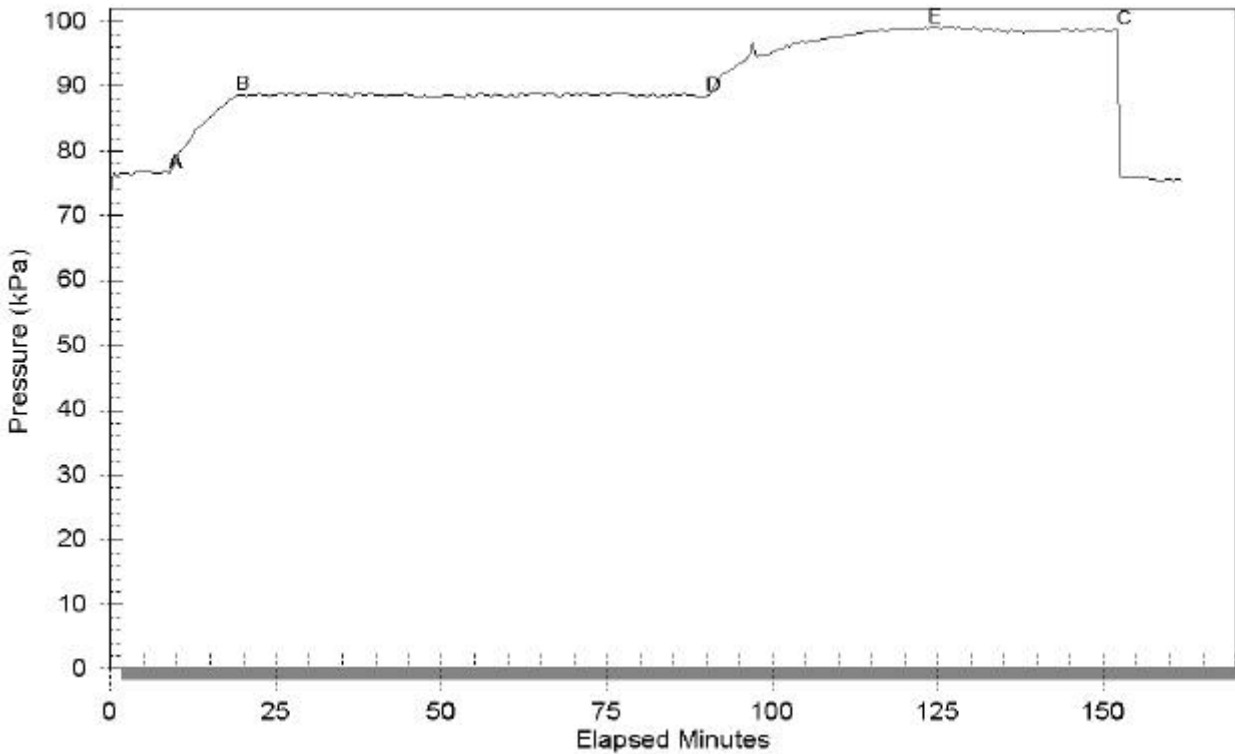
Test #: **5**

Well Name: **Devon Eagle Plains K-58**

Interval: **427.00 to 453.00 meters**

Well Location: **66.073/136.553**

Formation: **Hart River**



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



# Recovery Pressure

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

Baker's Ticket: **60-0522**

Date: **Fri 01 Apr 2005**

Customer: **Devon Canada Corp**

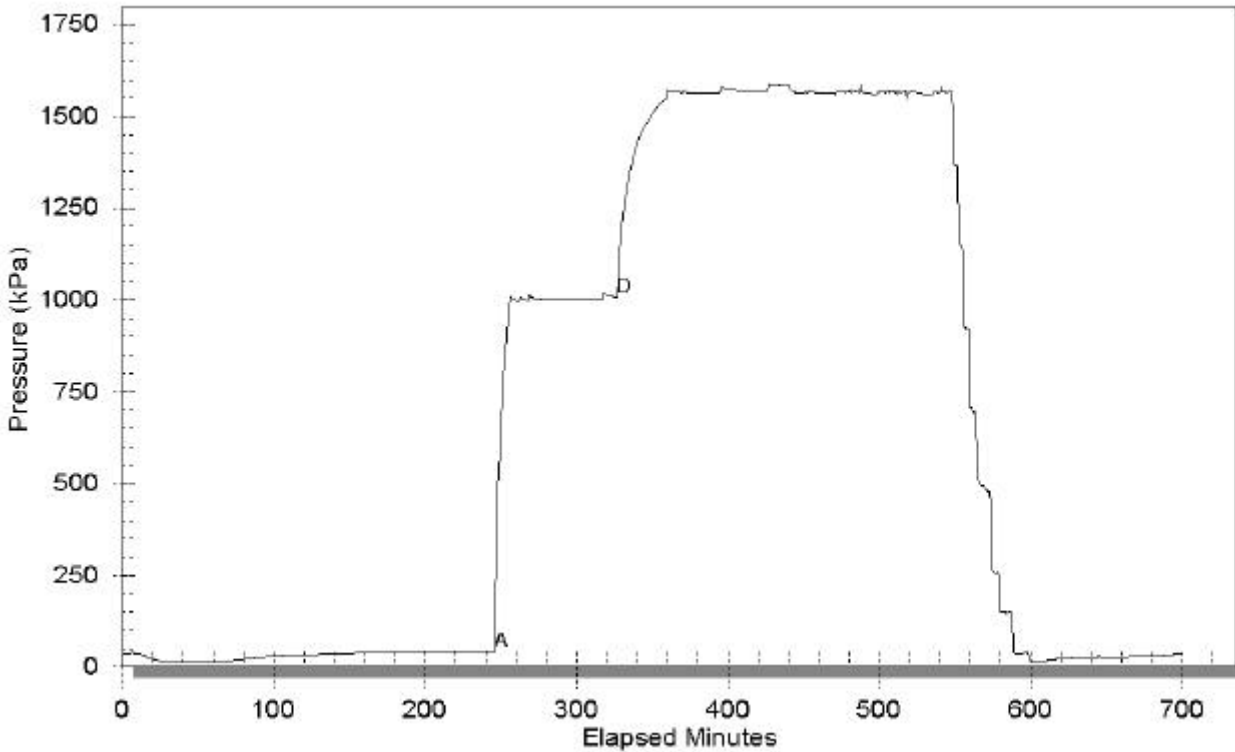
Test #: **5**

Well Name: **Devon Eagle Plains K-58**

Interval: **427.00 to 453.00 meters**

Well Location: **66.073/136.553**

Formation: **Hart River**



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