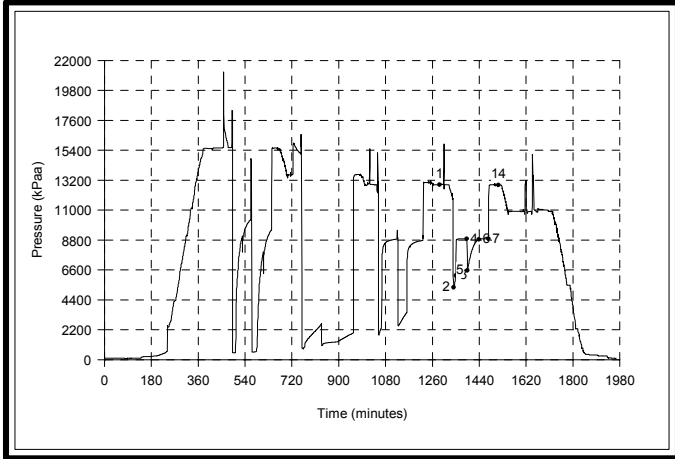


Formation: S-3 a-3  
Interval - from: 985.00 to: 995.00 m

Test Date: 2005-03-31  
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: 72.00 m  
Hole Size: 222.00 mm

Recorder# N2 at 987.00 m



### Blow Description:

Closed Chamber - see report for rates.

### Remarks:

This is the fourth of four tests run on the same trip in the hole. Mechanically successful test. Results suggest high permeability within the interval tested. The final flow was allowed to equalize with the formation pressure in order to produce the maximum amount of fluid from the zone.

Maximum Btm Hole Temperature @ FSI: 19.3 C

		Pressure (kPaa)	Time (min)	Extrapolated Pressure (kPaa)
1	Initial Hydrostatic	12860		
2	Start of 1st Flow	5295		
3	End of 1st Flow	6174	8.0	
4	End of 1st Shut-in	8893	43.0	8901.3
5	Start of 2nd Flow	6552		
6	End of 2nd Flow	8838	45.5	
7	End of 2nd Shut-in	8893	36.5	8898.8
14	Final Hydrostatic	12832		

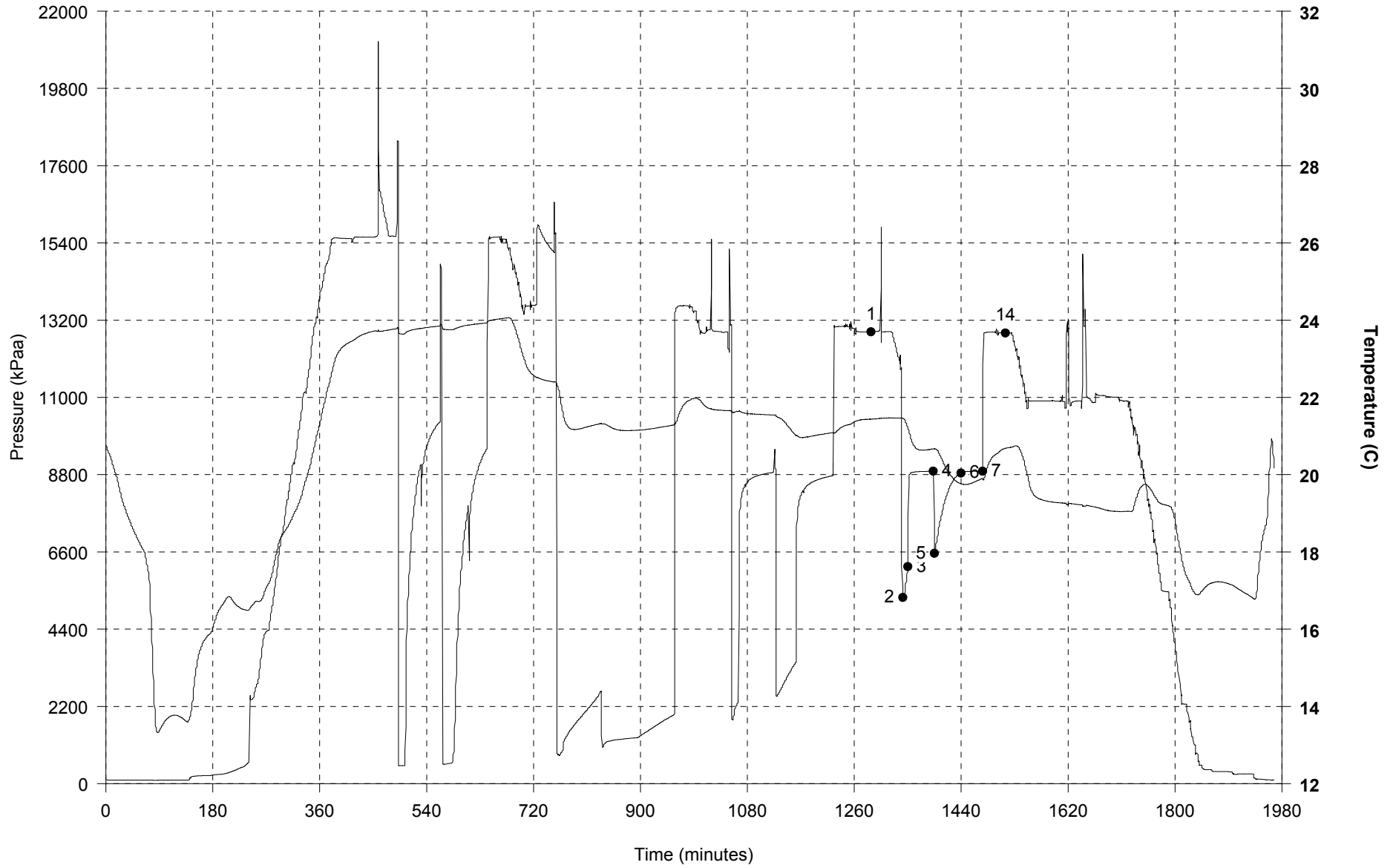
### Liquid Recovery of 818.00 m

Test was reversed out.

Recovery	Description	Salinity
815.00 m	Gasified brackish water with mud on top	7000

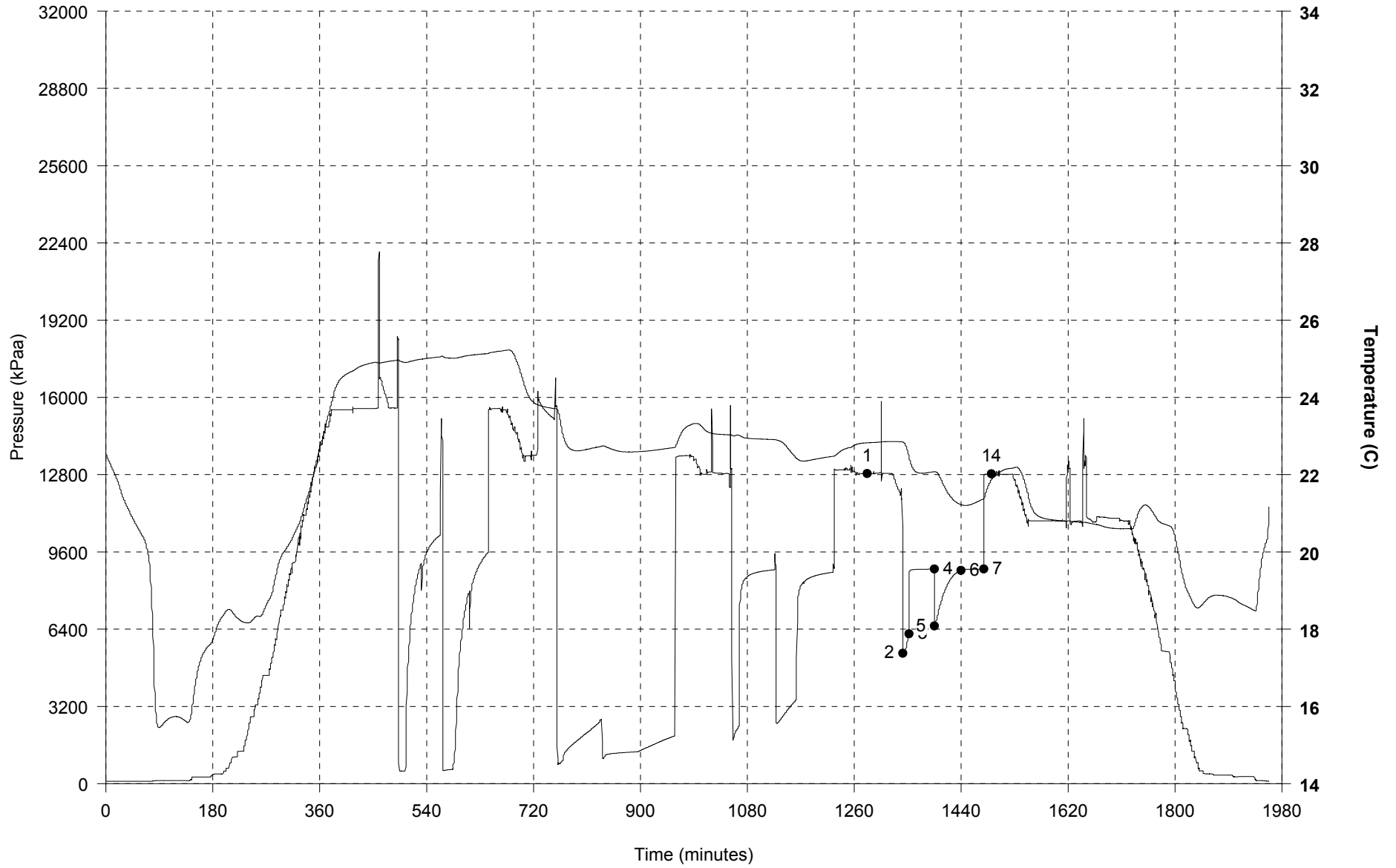
Eagle Plains K-58  
 K-58  
 DST #: 4  
 Recorder: N2

Pressure (kPaa) at Critical Points:  
 1: 12860    4: 8893    7: 8893  
 2: 5295    5: 6552    14: 12832  
 3: 6174    6: 8838



Eagle Plains K-58  
 K-58  
 DST #: 4  
 Recorder: N29

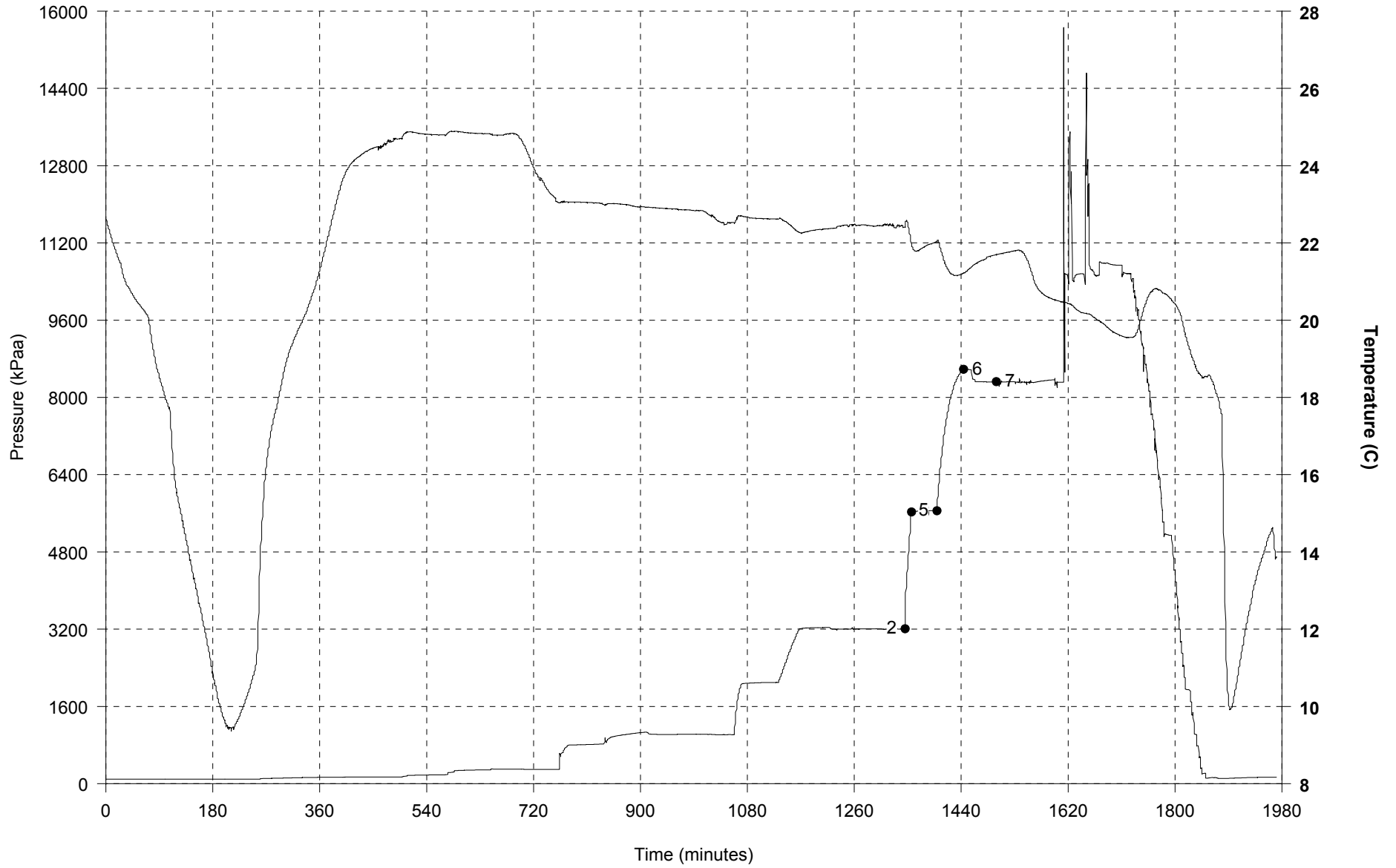
Pressure (kPaa) at Critical Points:  
 1: 12841    4: 8882    7: 8881  
 2: 5398    5: 6528    14: 12832  
 3: 6196    6: 8826



Eagle Plains K-58  
K-58  
DST #: 4  
Recorder: W14

Pressure (kPaa) at Critical Points:  
2: 3203      6: 8576  
3: 5624      7: 8320  
5: 5648

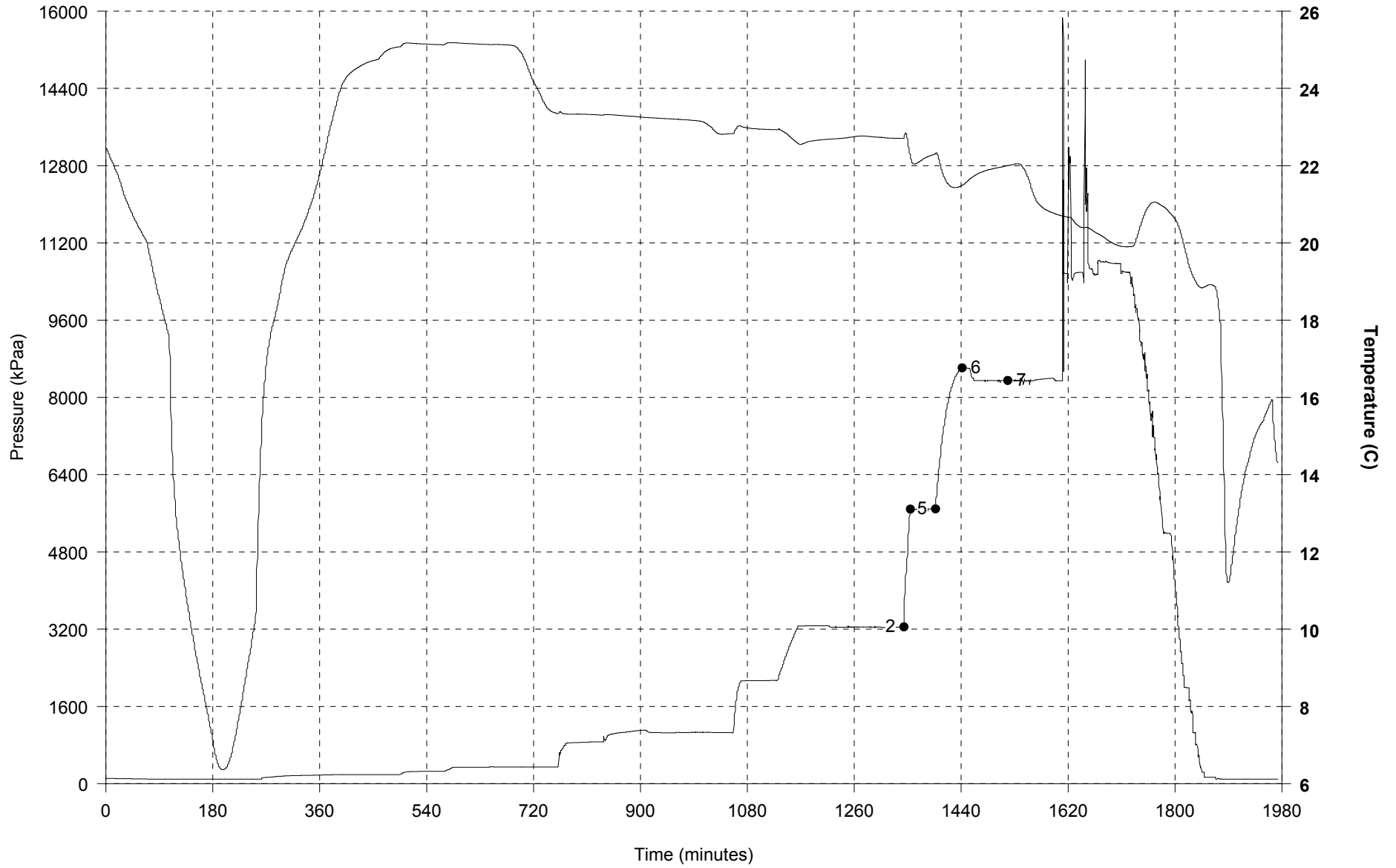
Recovery recorder



Eagle Plains K-58  
K-58  
DST #: 4  
Recorder: N37

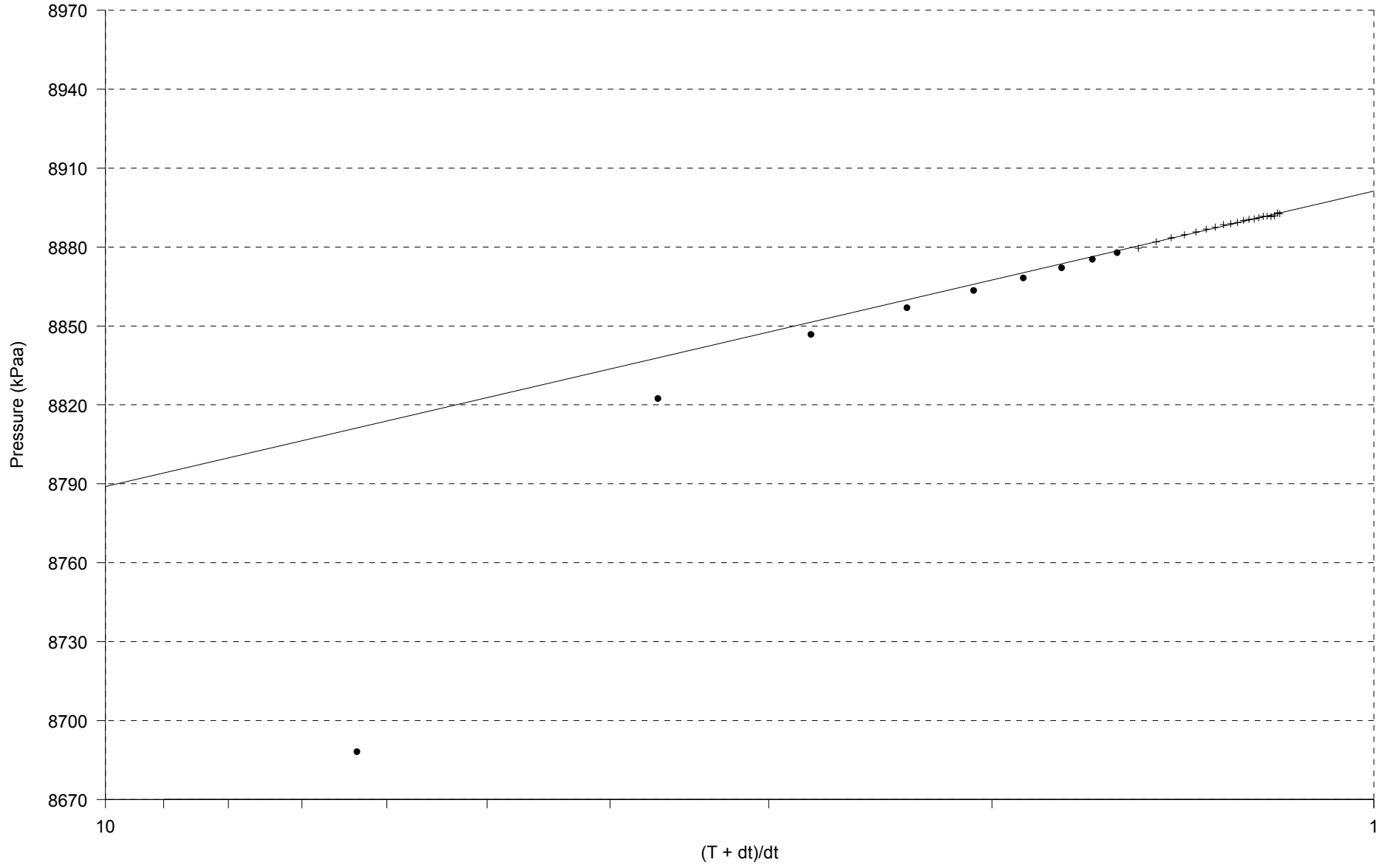
Pressure (kPaa) at Critical Points:  
2: 3241     6: 8606  
3: 5680     7: 8345  
5: 5687

Recovery recorder



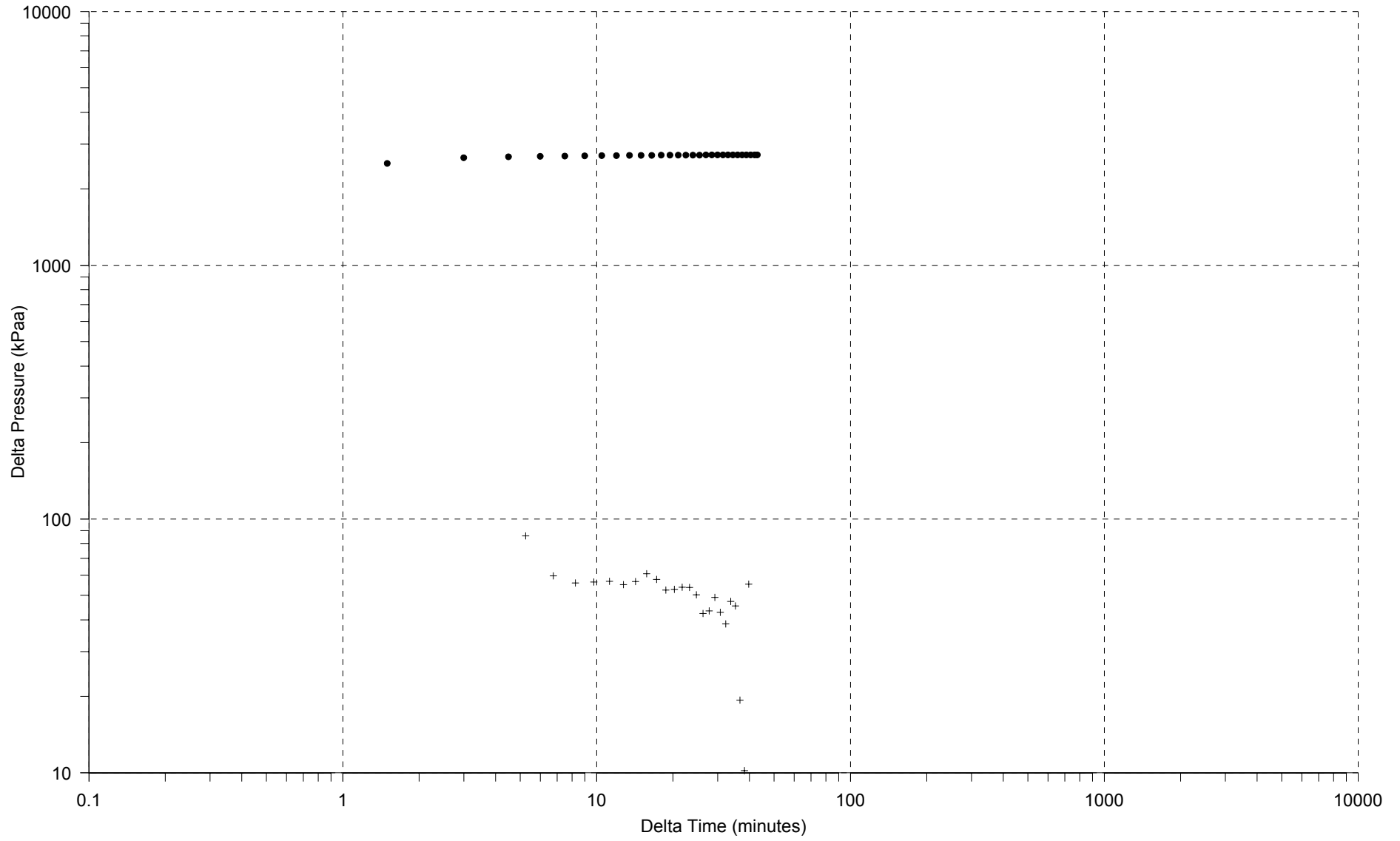
Eagle Plains K-58  
K-58  
DST #: 4  
Recorder: N2

Shut-in #1  
Slope = 112.36 kPaa/cycle  
Extrapolated Pressure = 8901.26 kPaa



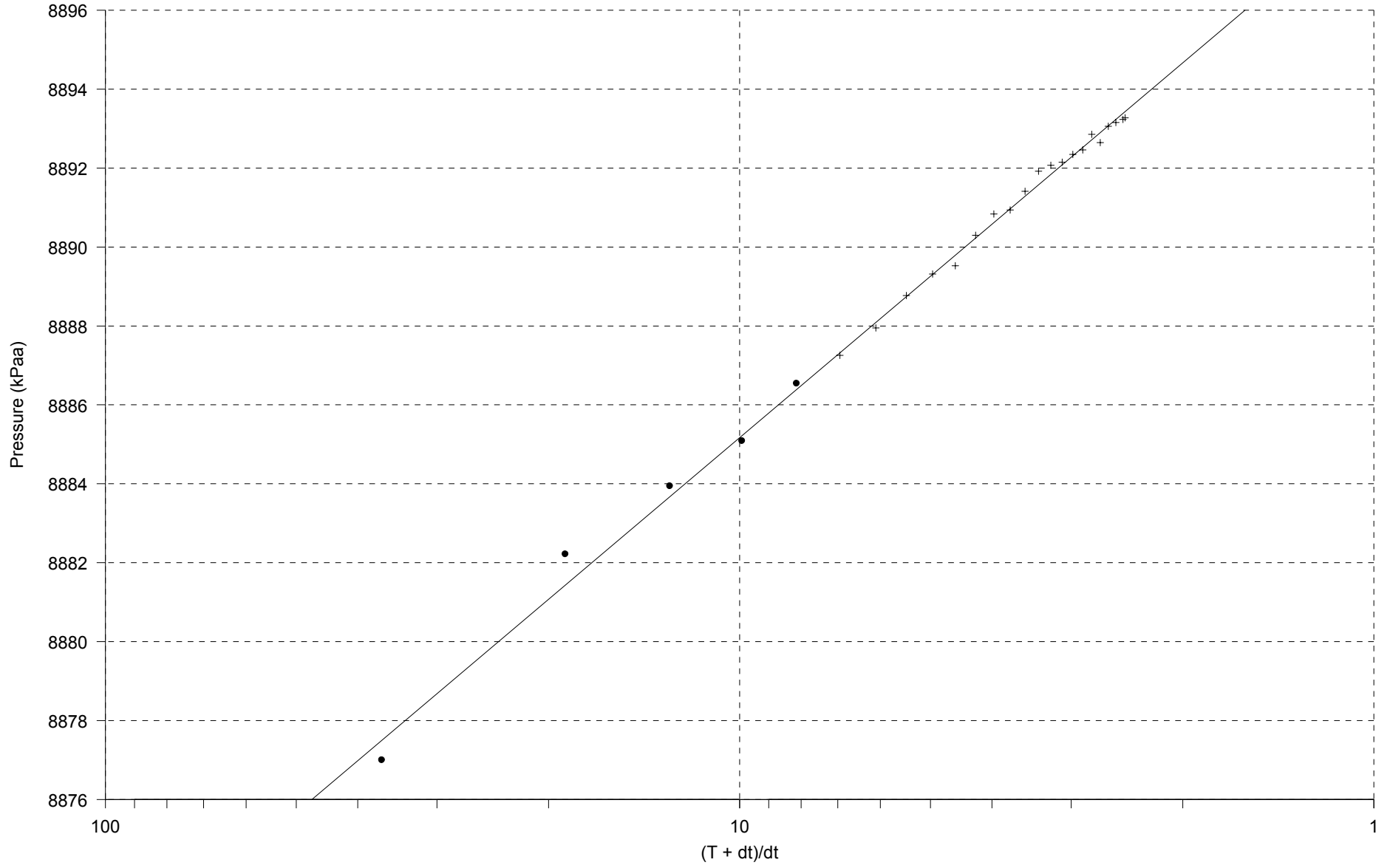
Eagle Plains K-58  
K-58  
DST #: 4  
Recorder: N2

Shut-in #1



Eagle Plains K-58  
K-58  
DST #: 4  
Recorder: N2

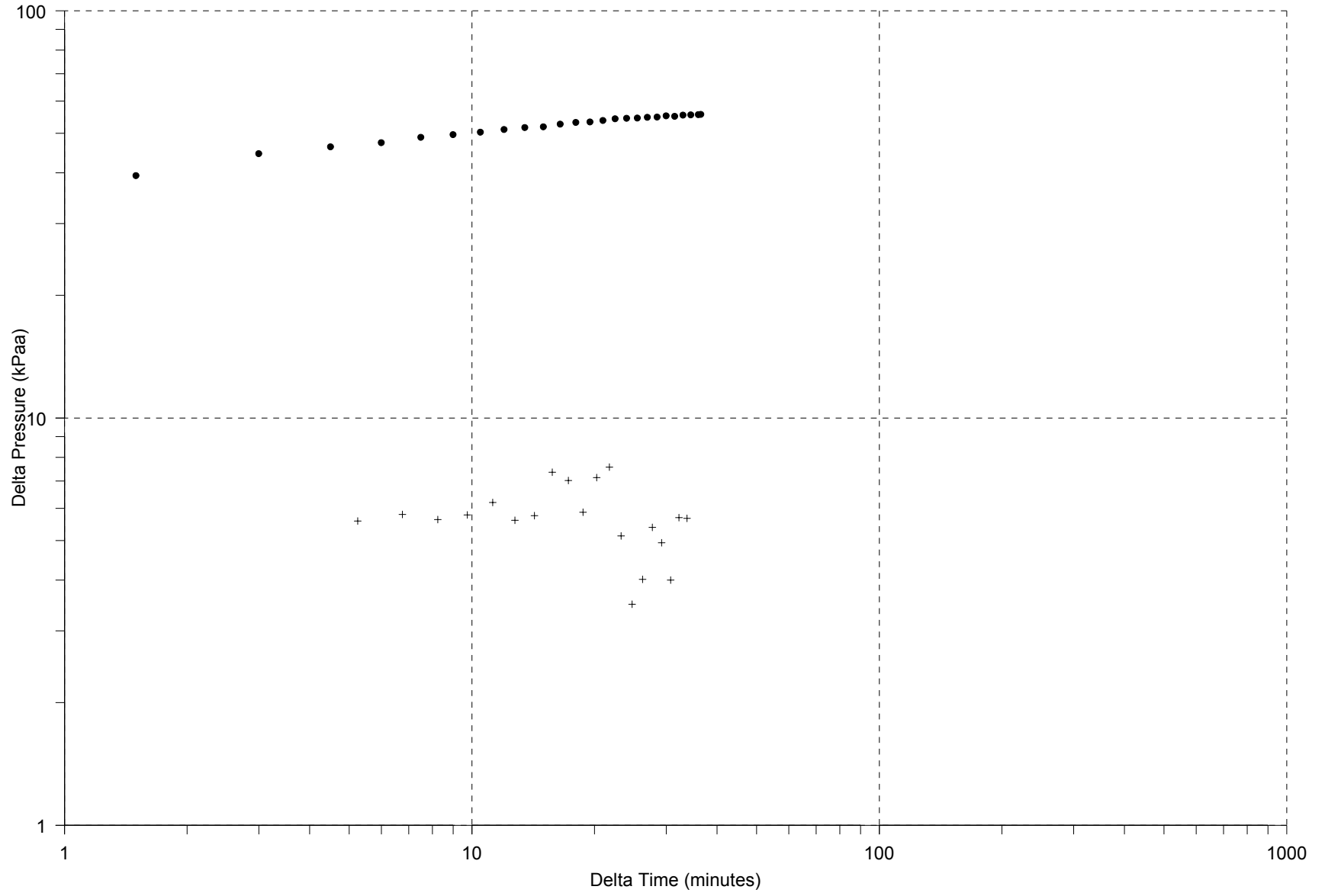
Shut-in #2  
Slope = 13.59 kPaa/cycle  
Extrapolated Pressure = 8898.76 kPaa

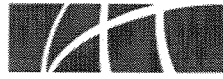




Eagle Plains K-58  
K-58  
DST #: 4  
Recorder: N2

Shut-in #2





Baker Oil Tools

## Closed Chamber Test Report

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

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

Location: **K-58**

Test Date: **Thu 31 Mar 2005**

Job Ticket #: **60-0521**

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: <b>60-0521</b>	Closed Chamber Technician: <b>Jay Selinger</b>
Date: <b>Thu 31 Mar 2005</b>	Telemetry Truck: <b>I WISH</b>
Customer: <b>Devon Canada Corp</b>	Test #: <b>4</b>
Well Name: <b>Eagle Plains K-58</b>	Interval: <b>985.00 to 995.00 meters</b>
Well Location: <b>K-58</b>	Formation: <b>S-3 A3</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>-10.00 Celcius OR 263.15 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>7.50 Celcius OR 280.65 kelvin</b>	Cushion Type: <b>water</b>
Compressibility: <b>0.95</b>	Cushion Amount: <b>305.00 meters</b>

## Maximum Possible Rates

	Liquid Rate	Gas Rate	Surface Rate
Gas:	---	<b>197,652.1 m3/d</b>	<b>2,616.2 kPa/min</b>
Gas Saturated H2O:	<b>714.6 m3/d</b>	<b>235.8 m3/d</b>	<b>10.9 kPa/min</b>
Pure Liquid Influx:	<b>714.6 m3/d</b>	---	<b>7.8 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>0.00 m</b>	Length: <b>0.00 m</b>	Length: <b>665.64 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>0.0000 m3</b>	Volume: <b>0.0000 m3</b>	Volume: <b>4.9190 m3</b>

Total Chamber Volume: **4.9190 cubic meters**  
 Minus Cushion Volume: **2.2539 cubic meters**  
 Net Chamber Air Volume: **2.6651 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: **60-0521**

Date: **Thu 31 Mar 2005**

Customer: **Devon Canada Corp**

Test #: **4**

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

Interval: **985.00 to 995.00 meters**

Well Location: **K-58**

Formation: **S-3 A3**

The recovery recorder shows a hydrostatic pressure of 8,220 kPag for the reported recovery of 815 meters. This yields a gradient of 10.1 kPa/meter which is reasonable for the type of recovery.

The same recorder indicates that 305 meters of fluid was in the pipe from the previous tests.

The surface pressure increases if due to pure liquid influx would be equal to 502 meters. Approximately 510 meters of fluid was produced during the test. As there is less surface pressure increase than pure liquid could cause, no gas was produced during the test.

A gap in the final flow data is due to the rig power cutting in and out.



## Production Rates

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

Baker's Ticket: **60-0521**

Date: **Thu 31 Mar 2005**

Customer: **Devon Canada Corp**

Test #: **4**

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

Interval: **985.00 to 995.00 meters**

Well Location: **K-58**

Formation: **S-3 A3**

### Flow Rates For Liquids

#### **1st Flow**

Fluid Gradient: **10.00 kPa/meter**  
Hydrostatic of produced fluid: **2,362.49 kPa**  
Total Volume Produced: **1.75 cubic meters**  
Production Rate: **239.36 cubic meters/day**

#### **2nd Flow**

Fluid Gradient: **10.00 kPa/meter**  
Hydrostatic of produced fluid: **2,693.74 kPa**  
Total Volume Produced: **1.99 cubic meters**  
Production Rate: **64.48 cubic meters/day**

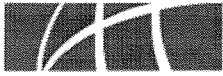
### Flow Rates For Gases

#### **1st Flow**

Average Rate: **cubic meters/day**  
Maximum Rate: **cubic meters/day**  
Minimum Rate: **cubic meters/day**

#### **2nd Flow**

Average Rate: **cubic meters/day**  
Maximum Rate: **cubic meters/day**  
Minimum Rate: **cubic meters/day**



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## Summary

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

Baker's Ticket: **60-0521**

Date: **Thu 31 Mar 2005**

Customer: **Devon Canada Corp**

Test #: **4**

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

Interval: **985.00 to 995.00 meters**

Well Location: **K-58**

Formation: **S-3 A3**

---

### *1st Flow*

---

Time Open:	<b>09:45:09</b>		
Test Tool Open For:	<b>10.50 minutes</b>		
Total Surface Pressure:	<b>0.54 kPa</b>	dP/dT:	<b>0.05 kPa/min</b>
Hydrostatic of Produced Fluid:	<b>2,362.49 kPa</b>	dP/dT:	<b>224.93 kPa/min</b>

---

### *1st Shut-In*

---

Time Closed:	<b>09:55:39</b>		
Pressure Vented After:	<b>42.53 minutes</b>		
Total Additional Surface Pressure:	<b>56.20 kPa</b>	dP/dT:	<b>1.32 kPa/min</b>

---

### *2nd Flow*

---

Time Open:	<b>10:38:11</b>		
Test Tool Open For:	<b>44.45 minutes</b>		
Total Surface Pressure:	<b>217.89 kPa</b>	dP/dT:	<b>4.90 kPa/min</b>
Hydrostatic of Produced Fluid:	<b>2,693.74 kPa</b>	dP/dT:	<b>60.60 kPa/min</b>

---

### *2nd Shut-In*

---

Time Closed:	<b>11:22:38</b>		
Pressure Vented After:	<b>3.00 minutes</b>		
Total Additional Surface Pressure:	<b>0.55 kPa</b>	dP/dT:	<b>0.18 kPa/min</b>



# Closed Chamber Liquid Rates

1st Flow

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

Baker's Ticket: **60-0521**

Date: **Thu 31 Mar 2005**

Customer: **Devon Canada Corp**

Test #: **4**

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

Interval: **985.00 to 995.00 meters**

Well Location: **K-58**

Formation: **S-3 A3**

<b>Time of Day</b> hh:mm:ss	<b>Elapsed</b> min	<b>Pressure</b> kPa	<b>DPDT</b> kPa/min	<b>Liq Rate</b> m3/day
09:45:09	0.00	77.21		
09:45:39	0.50	77.43	0.43	79
09:46:09	1.00	77.84	0.83	151
09:46:39	1.50	77.41	-0.87	0
09:47:09	2.00	77.45	0.09	16
09:47:39	2.50	77.86	0.83	149
09:48:09	3.00	77.78	-0.17	0
09:48:39	3.50	77.32	-0.92	0
09:49:09	4.00	77.41	0.17	31
09:49:39	4.50	77.80	0.78	137
09:50:09	5.00	77.75	-0.08	0
09:50:39	5.50	77.32	-0.86	0
09:51:09	6.00	77.34	0.04	7
09:51:39	6.50	77.54	0.40	69
09:52:09	7.00	77.51	-0.05	0
09:52:39	7.50	77.64	0.26	45
09:53:09	8.00	77.86	0.44	76
09:53:39	8.50	77.69	-0.35	0
09:54:09	9.00	77.45	-0.48	0
09:54:39	9.50	77.62	0.35	60
09:55:09	10.00	77.60	-0.04	0
09:55:39	10.50	77.75	0.30	52



# Closed Chamber Liquid Rates

1st Flow

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

Baker's Ticket: **60-0521**

Date: **Thu 31 Mar 2005**

Customer: **Devon Canada Corp**

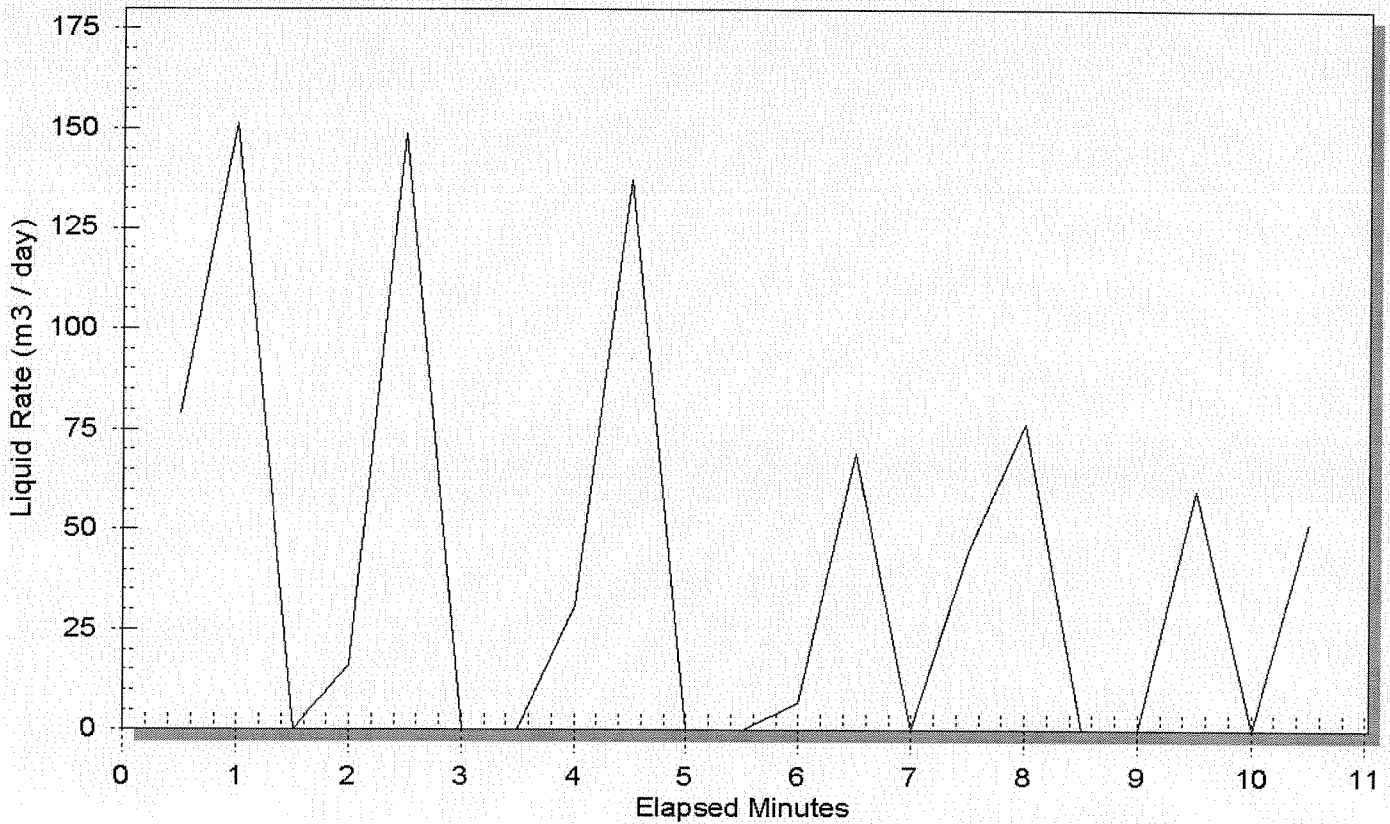
Test #: **4**

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

Interval: **985.00 to 995.00 meters**

Well Location: **K-58**

Formation: **S-3 A3**







# Closed Chamber Liquid Rates

2nd Flow

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

Baker's Ticket: **60-0521**

Date: **Thu 31 Mar 2005**

Customer: **Devon Canada Corp**

Test #: **4**

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

Interval: **985.00 to 995.00 meters**

Well Location: **K-58**

Formation: **S-3 A3**

<b>Time of Day</b> hh:mm:ss	<b>Elapsed</b> min	<b>Pressure</b> kPa	<b>DPDT</b> kPa/min	<b>Liq Rate</b> m3/day
10:38:11	0.00	133.95		
10:38:41	0.50	134.91	1.93	191
10:39:11	1.00	138.78	7.66	716
10:39:41	1.50	142.11	6.70	589
10:40:11	2.00	145.26	6.27	507
10:40:41	2.50	148.32	6.13	466
10:41:11	3.00	151.61	6.62	475
10:41:41	3.50	154.20	5.14	343
10:42:11	4.00	157.54	6.66	422
10:42:41	4.50	160.68	6.27	374
10:43:11	5.00	163.82	6.28	352
10:43:41	5.50	166.94	6.27	335
10:44:11	6.00	170.10	6.31	315
10:44:41	6.50	172.98	5.76	274
10:45:11	7.00	176.25	6.54	293
10:45:41	7.50	179.67	6.80	288
10:46:11	8.01	182.90	6.46	259
10:46:40	8.49	185.96	6.34	250
10:47:10	8.99	189.32	6.72	244
10:47:41	9.50	192.60	6.39	213
10:48:11	10.00	195.67	6.09	198
10:48:41	10.50	199.05	6.78	211
10:49:11	11.00	202.21	6.30	186
10:49:40	11.49	205.46	6.74	197
10:50:11	12.01	208.71	6.28	163
10:50:40	12.49	212.10	7.00	185
10:51:10	12.99	215.40	6.62	162
10:51:40	13.49	218.68	6.54	152
10:52:10	13.99	221.98	6.60	147
10:52:40	14.49	225.34	6.72	143



# Closed Chamber Liquid Rates

2nd Flow

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

Baker's Ticket: **60-0521**

Date: **Thu 31 Mar 2005**

Customer: **Devon Canada Corp**

Test #: **4**

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

Interval: **985.00 to 995.00 meters**

Well Location: **K-58**

Formation: **S-3 A3**

<b>Time of Day</b> hh:mm:ss	<b>Elapsed</b> min	<b>Pressure</b> kPa	<b>DPDT</b> kPa/min	<b>Liq Rate</b> m3/day
10:53:10	14.99	228.69	6.67	135
10:53:40	15.49	232.22	7.07	137
11:08:08	29.95	314.19	5.67	3
11:08:37	30.45	318.18	7.98	108
11:09:08	30.95	320.87	5.37	70
11:09:38	31.45	322.79	3.84	49
11:10:07	31.94	324.79	4.02	50
11:10:37	32.45	326.67	3.74	46
11:11:08	32.95	328.58	3.82	46
11:11:38	33.45	330.62	4.06	48
11:12:07	33.94	332.22	3.22	38
11:12:37	34.45	333.65	2.86	33
11:13:08	34.95	335.35	3.39	38
11:13:38	35.45	336.71	2.71	30
11:14:08	35.95	338.01	2.61	29
11:14:38	36.45	339.50	2.96	32
11:15:08	36.95	340.83	2.66	29
11:15:38	37.45	341.74	1.82	20
11:16:08	37.95	343.13	2.79	30
11:16:38	38.45	343.87	1.45	15
11:17:08	38.95	344.98	2.23	23
11:17:38	39.45	345.93	1.92	20
11:18:08	39.95	346.86	1.85	19
11:18:38	40.45	347.77	1.82	18
11:19:08	40.95	348.37	1.20	12
11:19:38	41.45	349.11	1.47	15
11:20:08	41.95	349.75	1.28	13
11:20:38	42.45	350.21	0.93	9
11:21:08	42.95	350.82	1.21	12
11:21:38	43.45	351.48	1.33	13



---

## Closed Chamber Liquid Rates

2nd Flow

---

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

Baker's Ticket: <b>60-0521</b>	Date: <b>Thu 31 Mar 2005</b>
Customer: <b>Devon Canada Corp</b>	Test #: <b>4</b>
Well Name: <b>Eagle Plains K-58</b>	Interval: <b>985.00 to 995.00 meters</b>
Well Location: <b>K-58</b>	Formation: <b>S-3 A3</b>

Time of Day hh:mm:ss	Elapsed min	Pressure kPa	DPDT kPa/min	Liq Rate m3/day
11:22:08	43.95	351.46	-0.05	0
11:22:38	44.45	351.84	0.76	7



# Closed Chamber Liquid Rates

2nd Flow

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

Baker's Ticket: **60-0521**

Date: **Thu 31 Mar 2005**

Customer: **Devon Canada Corp**

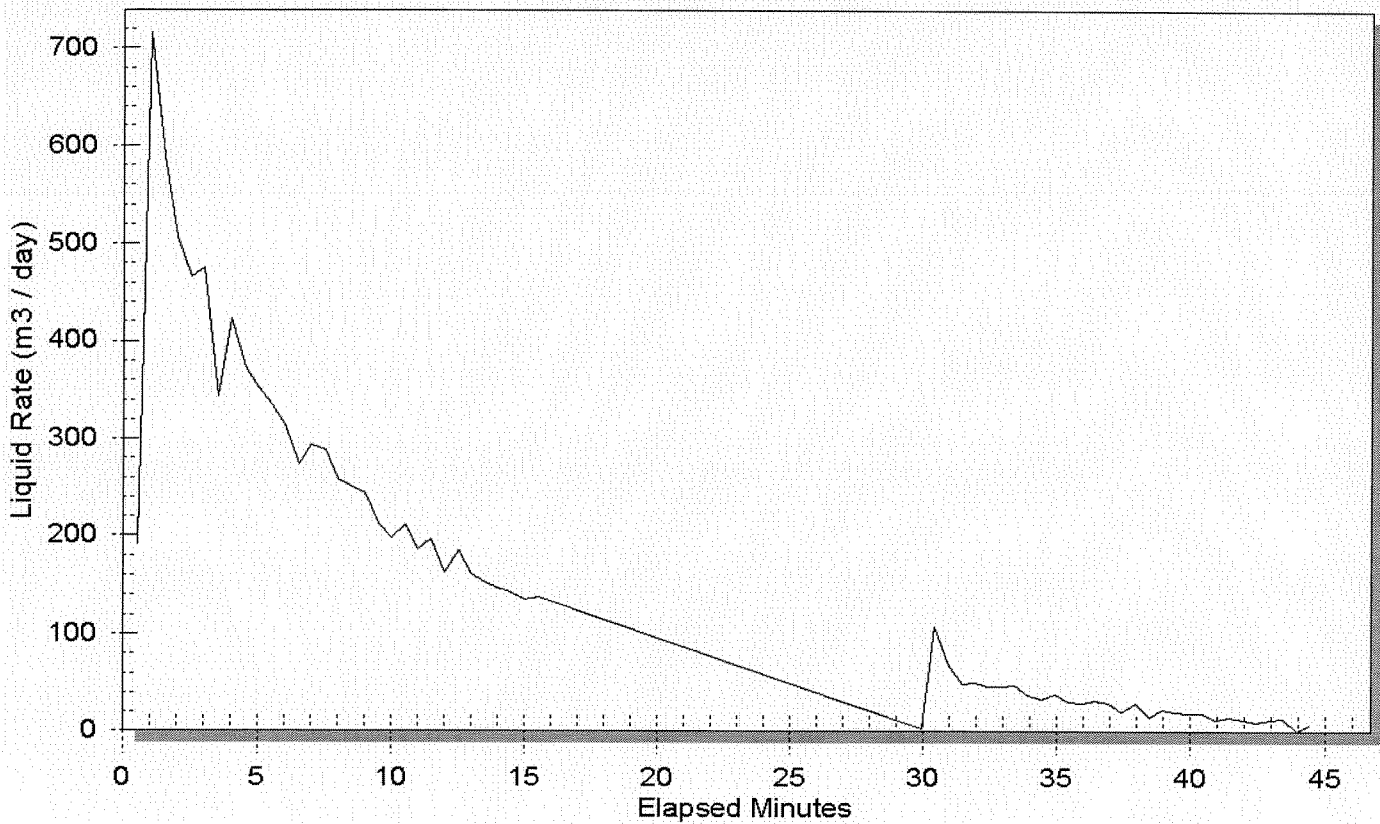
Test #: **4**

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

Interval: **985.00 to 995.00 meters**

Well Location: **K-58**

Formation: **S-3 A3**





# Surface Pressure

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

Baker's Ticket: **60-0521**

Date: **Thu 31 Mar 2005**

Customer: **Devon Canada Corp**

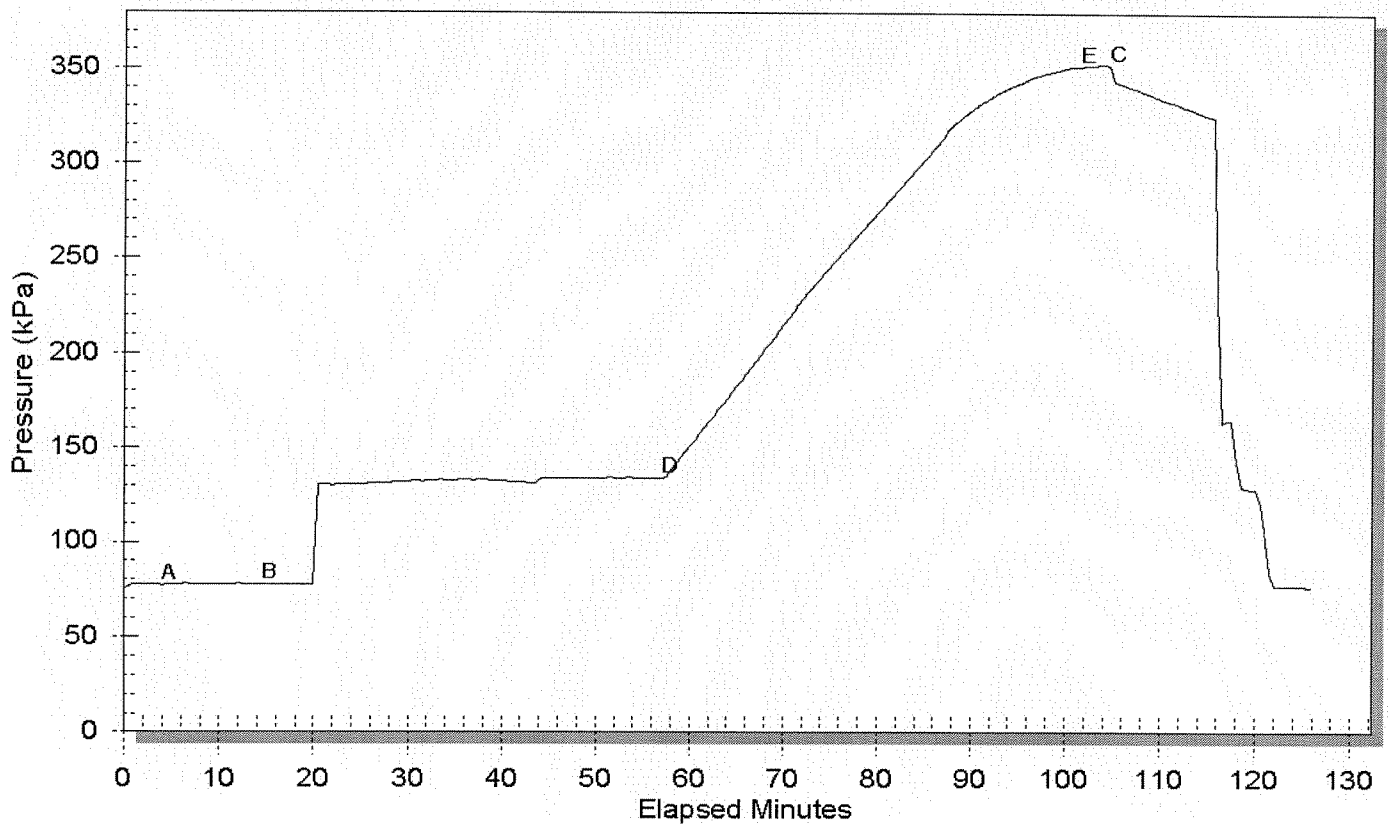
Test #: **4**

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

Interval: **985.00 to 995.00 meters**

Well Location: **K-58**

Formation: **S-3 A3**



- 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: **60-0521**

Date: **Thu 31 Mar 2005**

Customer: **Devon Canada Corp**

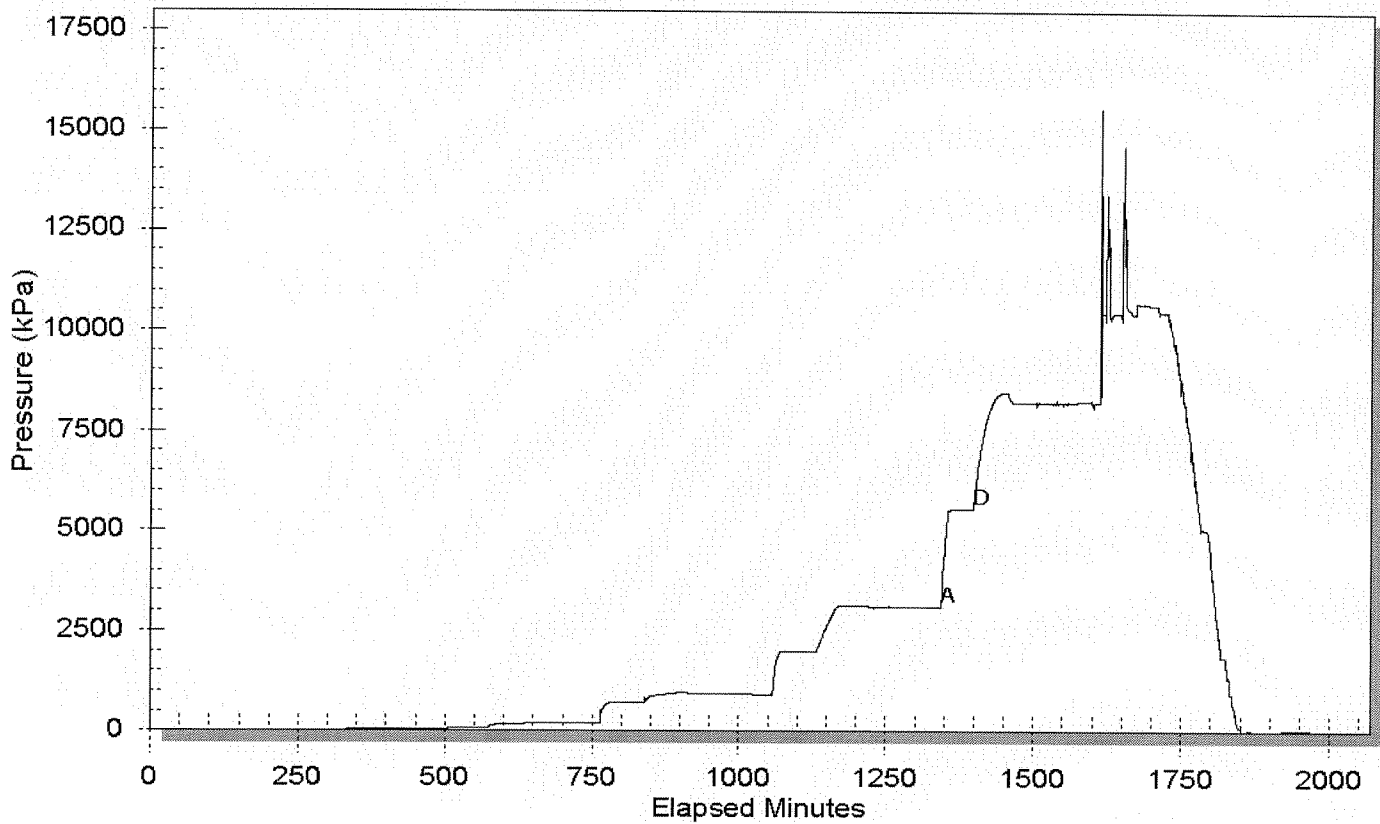
Test #: **4**

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

Interval: **985.00 to 995.00 meters**

Well Location: **K-58**

Formation: **S-3 A3**



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