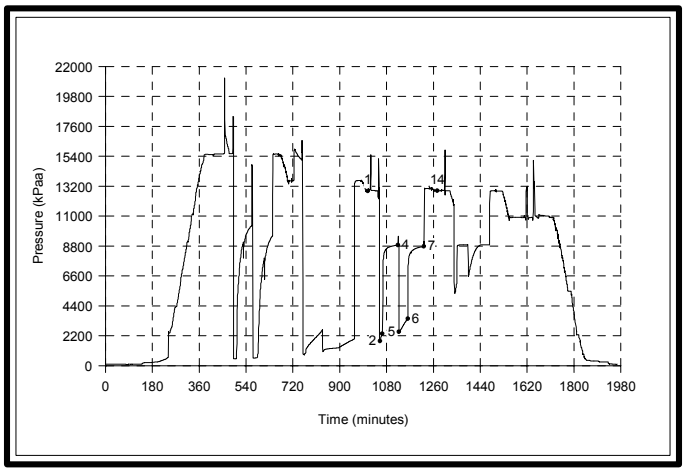
Eagle Plains K-58 - DRILL STEM TEST
K-58
DST# 3

Baker Oil Tools

Formation: S-3 a-2
Interval - from: 997.00 **to:** 1007.00 m

Recorder# N2 at 999.00 m



Maximum Btm Hole Temperature @ FSI: 21.6 C

		Pressure (kPaa)	*Time (min)*	*Extrapolated Pressure (kPaa)*
1	Initial Hydrostatic	12824		
2	Start of 1st Flow	1808		
3	End of 1st Flow	2350	10.0	
4	End of 1st Shut-in	8865	60.0	8984.5
5	Start of 2nd Flow	2488		
6	End of 2nd Flow	3450	32.5	
7	End of 2nd Shut-in	8766	62.5	8990.7
14	Final Hydrostatic	12861		

Liquid Recovery of 815.00 m

Test was reversed out.

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

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

Blow Description:

Closed Chamber - see report for rates.

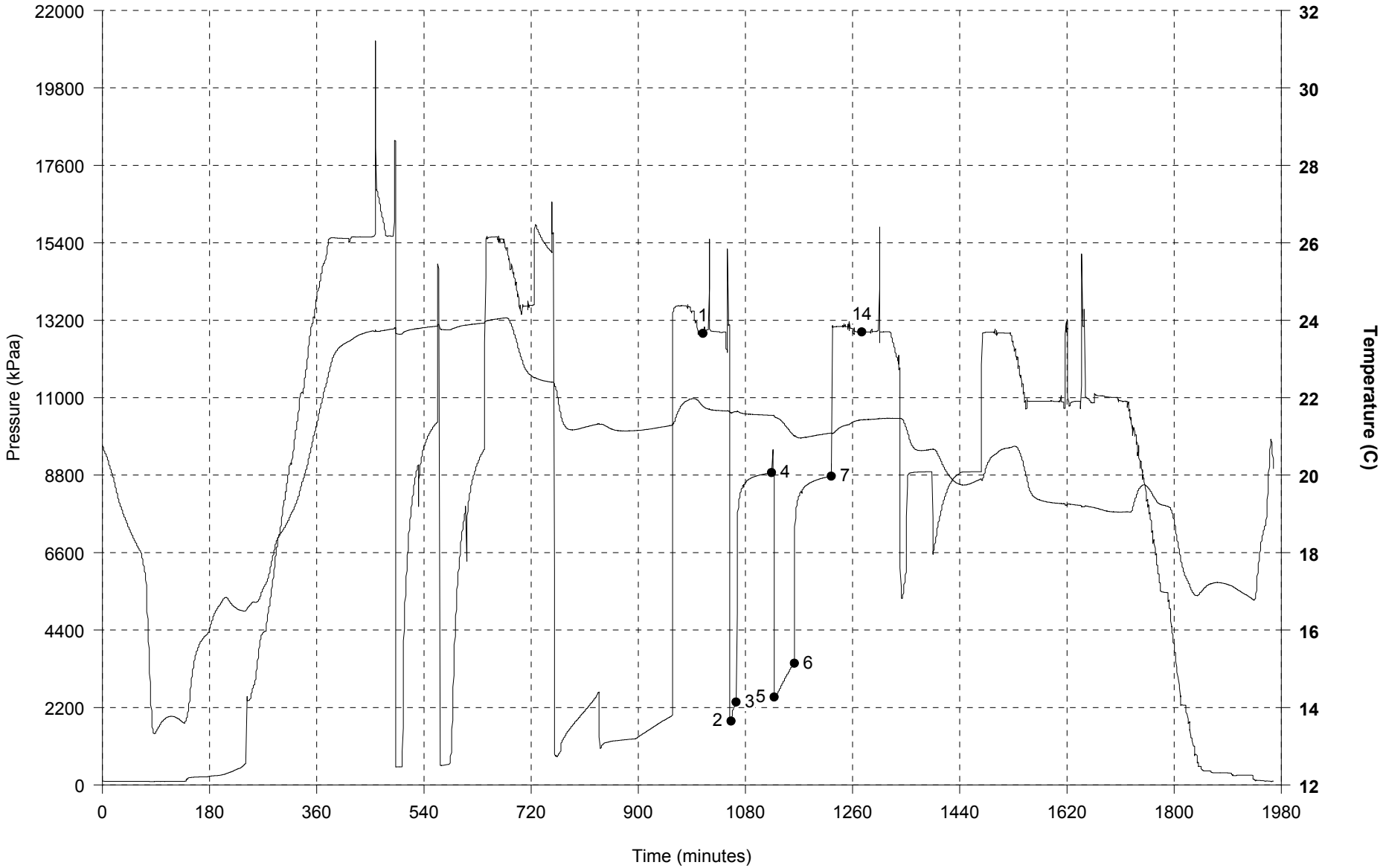
Remarks:

This is the third of four tests run on the same trip in the hole. Mechanically successful test. Results suggest relatively low permeability within the interval tested. The man flow was shortened to minimize fluid produced so a reset could be performed.

Eagle Plains K-58
K-58
DST #: 3
Recorder: N2

Pressure (kPaa) at Critical Points:

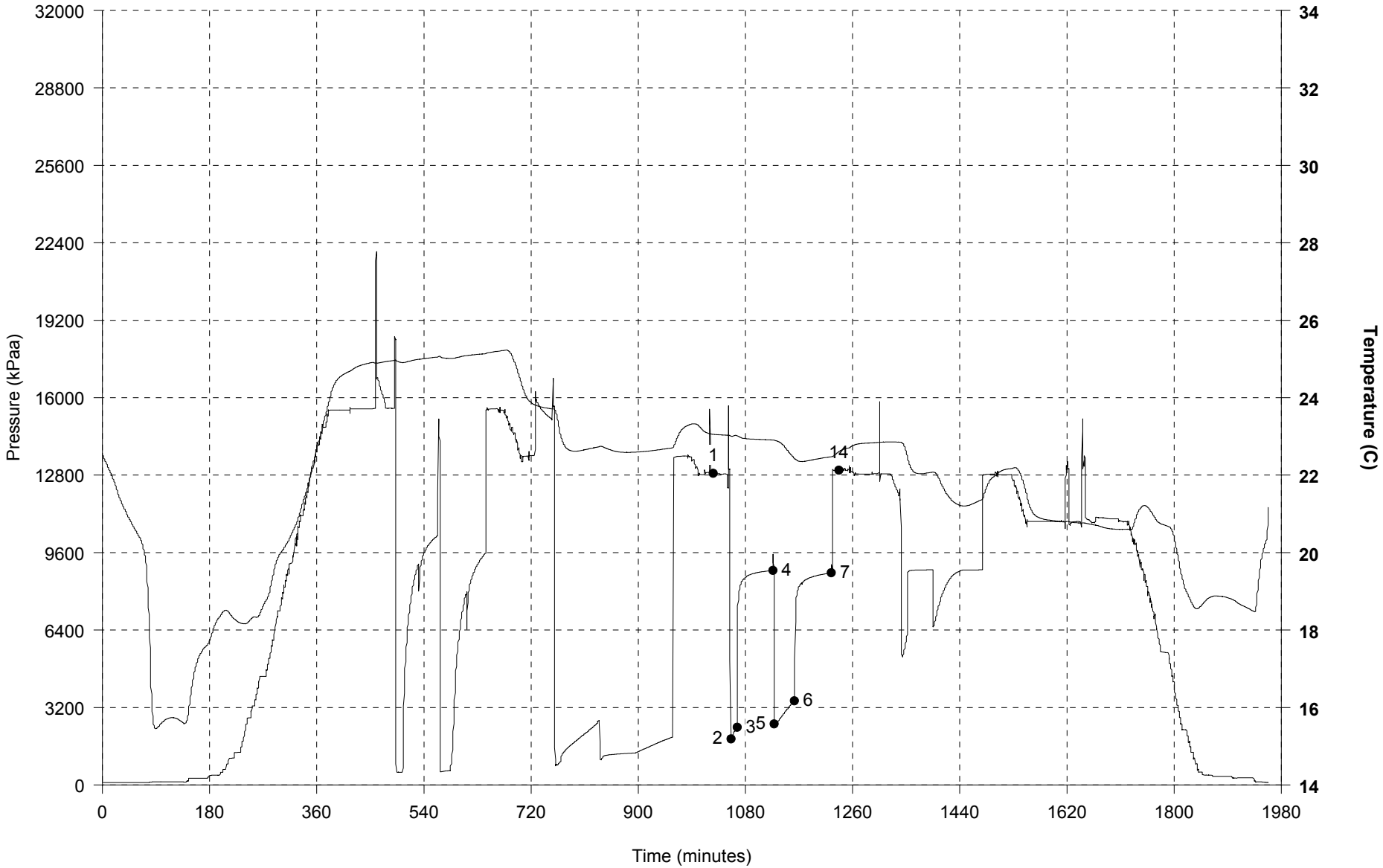
1:	12824	4:	8865	7:	8766
2:	1808	5:	2488	14:	12861
3:	2350	6:	3450		



Eagle Plains K-58
K-58
DST #: 3
Recorder: N29

Pressure (kPaa) at Critical Points:

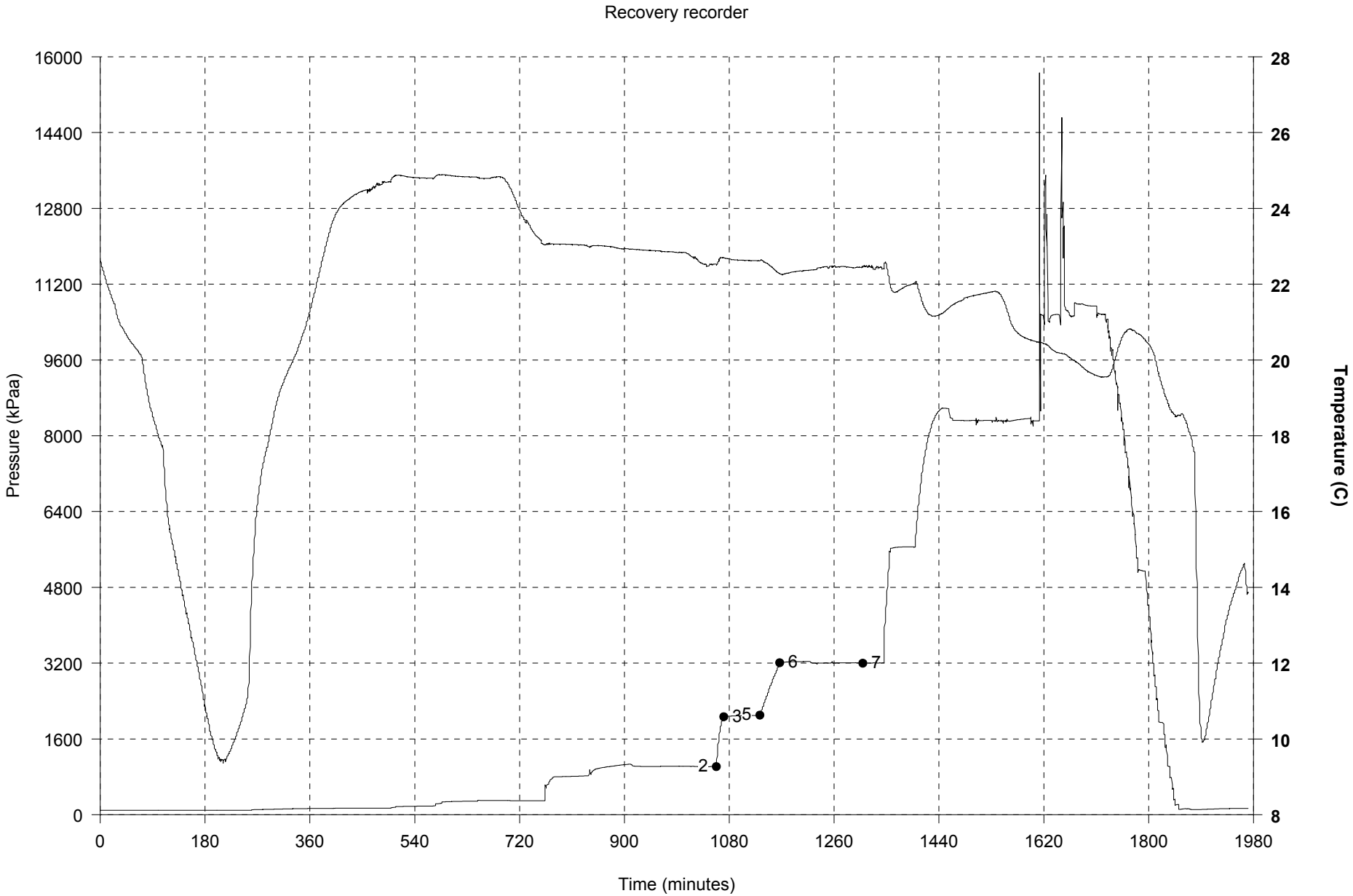
1:	12864	4:	8854	7:	8754
2:	1891	5:	2511	14:	12995
3:	2373	6:	3469		



Eagle Plains K-58
K-58
DST #: 3
Recorder: W14

Pressure (kPaa) at Critical Points:

2:	1011	6:	3203
3:	2064	7:	3196
5:	2095		

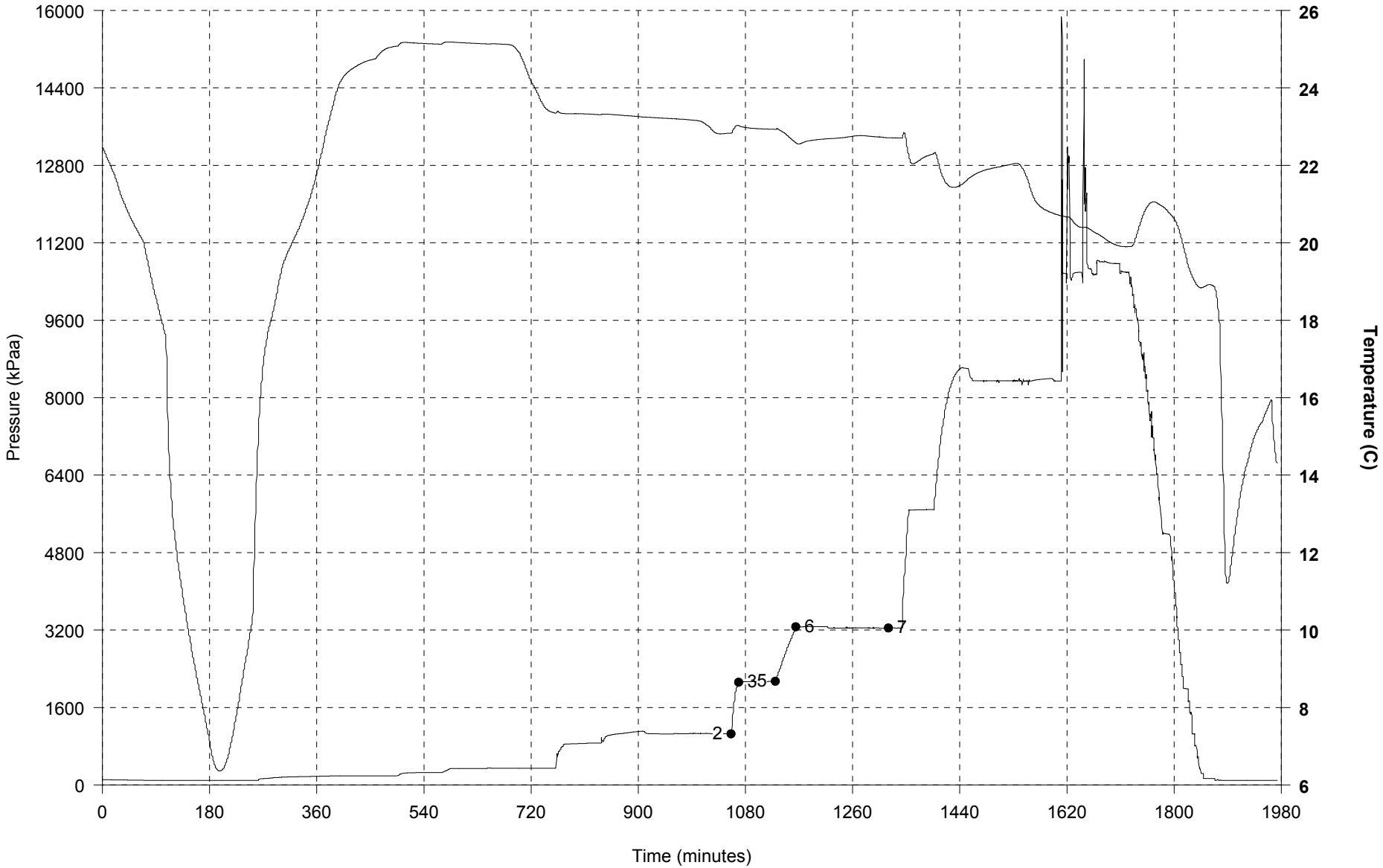


Eagle Plains K-58
K-58
DST #: 3
Recorder: N37

Pressure (kPaa) at Critical Points:

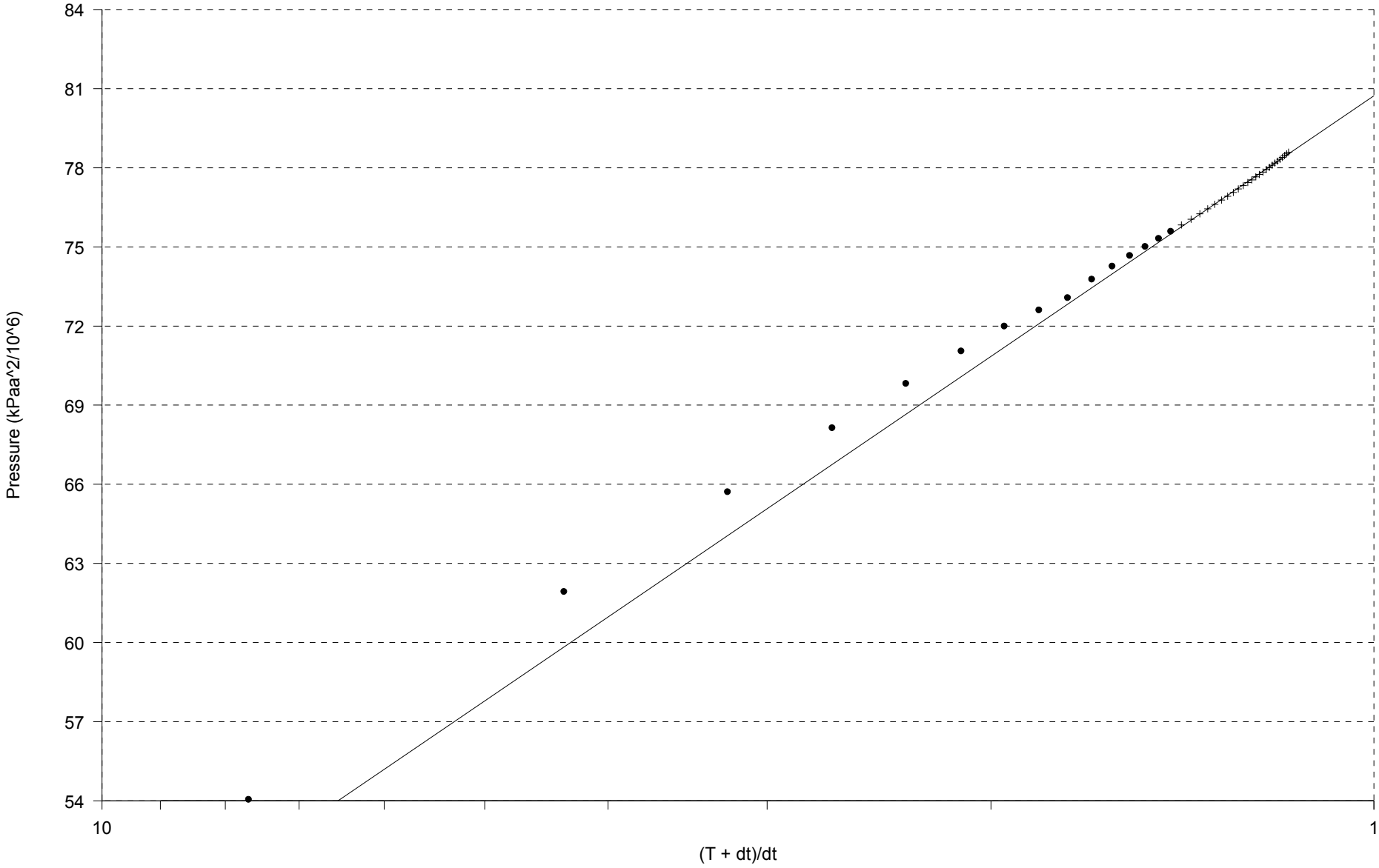
2:	1048	6:	3261
3:	2118	7:	3235
5:	2135		

Recovery recorder



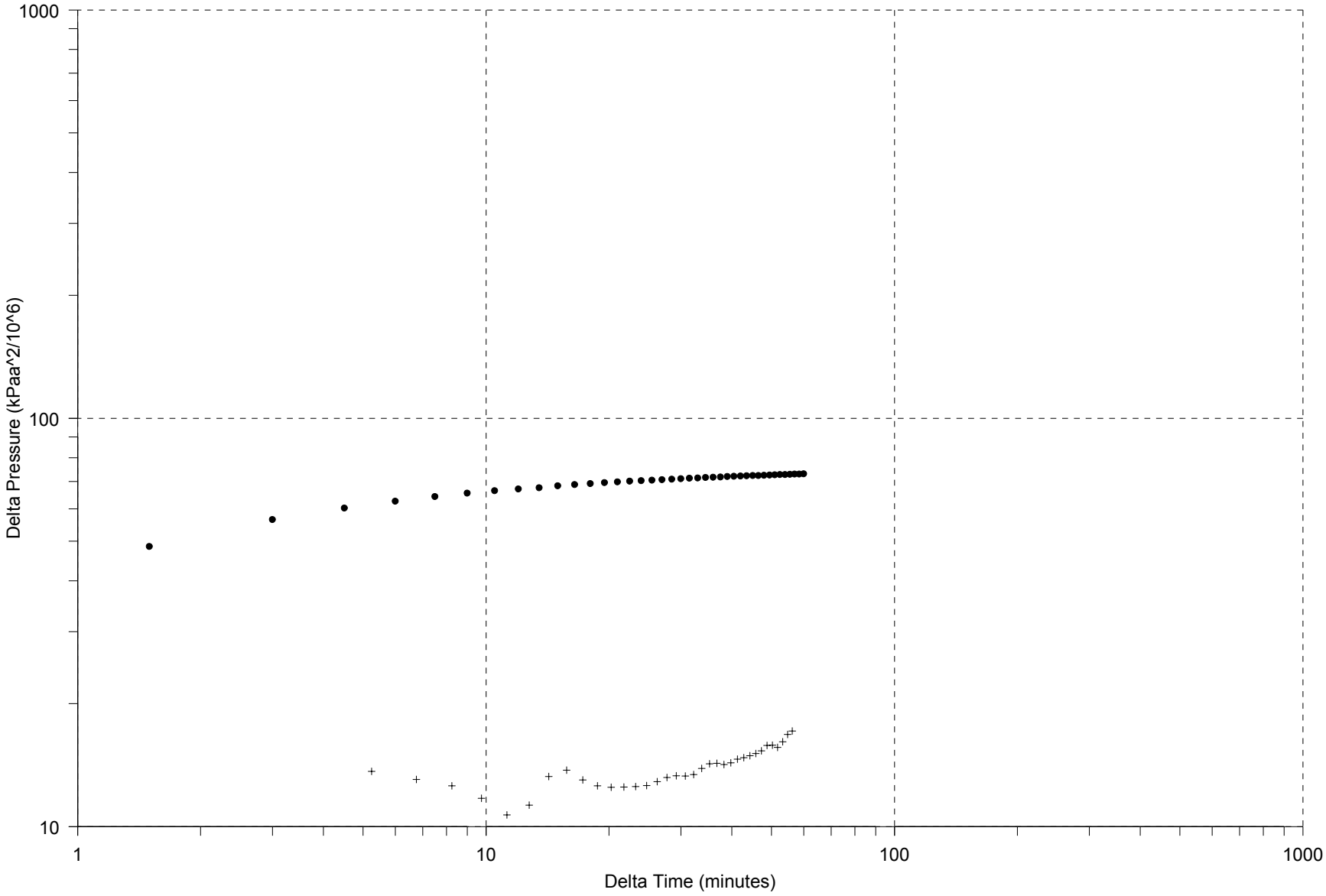
Eagle Plains K-58
K-58
DST #: 3
Recorder: N2

Shut-in #1
Slope = 32.81 kPaa^2/10^6/cycle
Extrapolated Pressure = 8984.47 kPaa



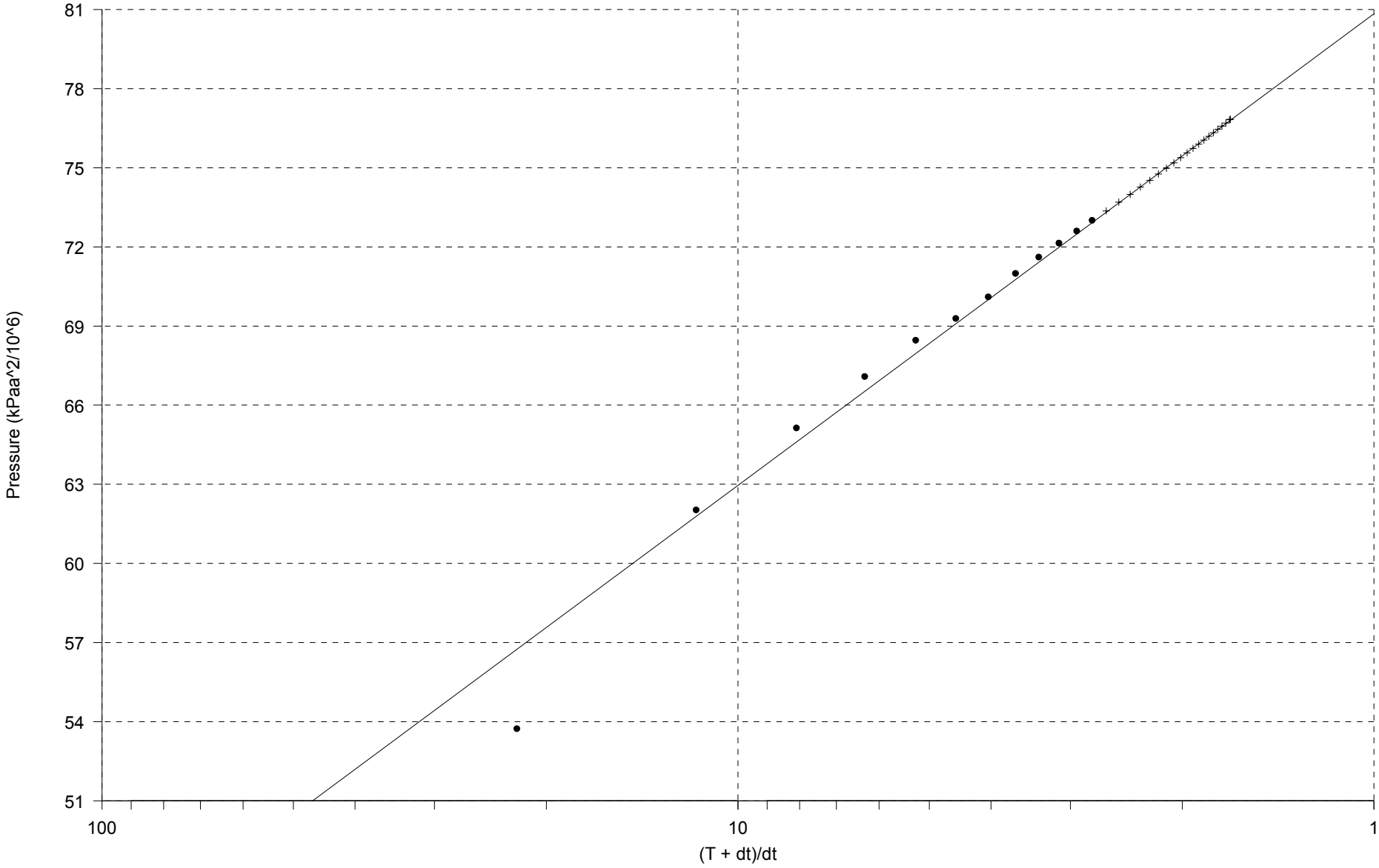
Eagle Plains K-58
K-58
DST #: 3
Recorder: N2

Shut-in #1



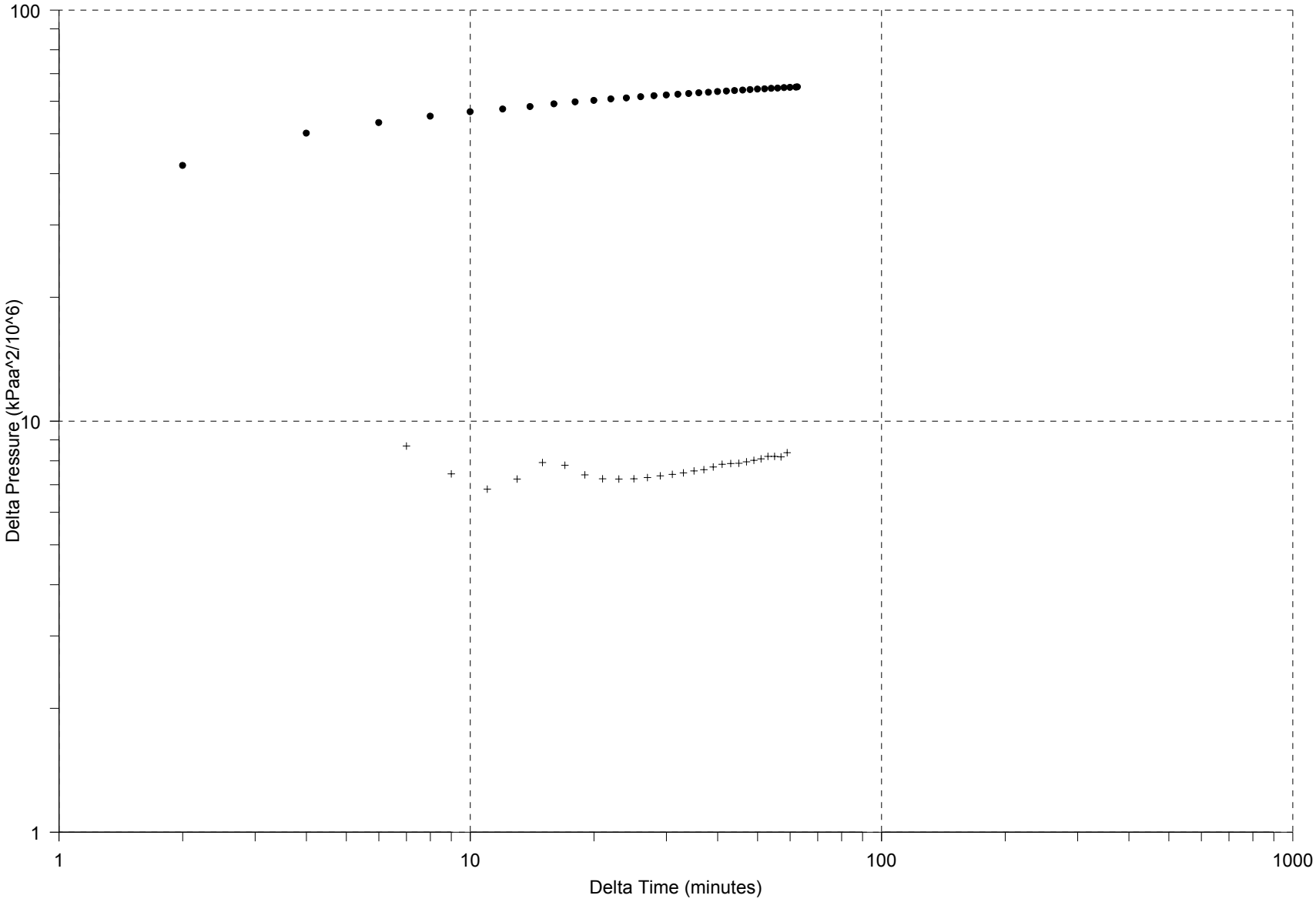
Eagle Plains K-58
K-58
DST #: 3
Recorder: N2

Shut-in #2
Slope = 17.88 kPaa^2/10^6/cycle
Extrapolated Pressure = 8990.70 kPaa



Eagle Plains K-58
K-58
DST #: 3
Recorder: N2

Shut-in #2



Baker Oil Tools

Closed Chamber Test Report

Prepared for: **Devon Canada Corp**

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

Location: **K-58**

Test Date: **Thu 31 Mar 2005**

Job Ticket #: **60-0520** DST #: **3**

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: **60-0520**
Date: **Thu 31 Mar 2005**

Customer: **Devon Canada Corp**
Well Name: **Eagle Plains K-58**
Well Location: **K-58**
Well License Number: **11120**
Customer Rep: **Earl King**

Rig Name & Number: **Ensign 55**
Testing Company: **Baker Oil Tools Canada**
DST Supervisor: **John Sandford**
DST Truck: **35161**

Primary Objective of Closed Chamber: **Accuracy**

Closed Chamber Technician: **Jay Selinger**
Telemetry Truck: **I WISH**

Test #: **3**
Interval: **997.00 to 1,007.00 meters**
Formation: **S-1 A2**
Test Type: **Inflate Straddle**
Hole Size: **222.000 mm**
Total Depth: **1,278 meters**

Mud Type: **Gel Chemical**
Mud Weight: **1315 kg/m3**
Mud Viscosity: **85 l/min**
Mud Resistivity:
Mud Salinity:

Constants Used During Pretest Planning

Surface Temp: **-10.00 Celcius OR 263.15 kelvin**
Formation Temp: **25.00 Celcius OR 298.15 kelvin**
Average Temp: **7.50 Celcius OR 280.65 kelvin**

Compressibility: **0.95**

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

Cushion Type: **water**
Cushion Amount: **88.00 meters**

Maximum Possible Rates

	Liquid Rate	Gas Rate	Surface Rate
Gas:	——	**190,914.0 m3/d**	**1,963.7 kPa/min**
Gas Saturated H2O:	**702.3 m3/d**	**231.8 m3/d**	**8.4 kPa/min**
Pure Liquid Influx:	**702.3 m3/d**	——	**6.0 kPa/min**

Chamber Volume

Drill Collar

ID: **57.000 mm**
Length: **0.00 m**

Capacity: **0.0026 m3/m**
Volume: **0.0000 m3**

Heavy Weight Drill Pipe

ID: **71.000 mm**
Length: **75.35 m**

Capacity: **0.0040 m3/m**
Volume: **0.2983 m3**

Drill Pipe

ID: **97.000 mm**
Length: **816.22 m**

Capacity: **0.0074 m3/m**
Volume: **6.0317 m3**

Total Chamber Volume: **6.3300 cubic meters**
Minus Cushion Volume: **0.3918 cubic meters**

Net Chamber Air Volume: **5.9382 cubic meters**

Field Remarks

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Baker's Ticket:	**60-0520**	Date:	**Thu 31 Mar 2005**
Customer:	**Devon Canada Corp**	Test #:	**3**
Well Name:	**Eagle Plains K-58**	Interval:	**997.00 to 1,007.00 meters**
Well Location:	**K-58**	Formation:	**S-1 A2**

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 88 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 287 meters. The actual recovery was 217 meters. As there is more surface pressure increase than pure liquid could cause, low rate gas was produced during the test.

The average gas rate was appoximately 75 m3/d.

Production Rates

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Baker's Ticket:	**60-0520**	Date:	**Thu 31 Mar 2005**
Customer:	**Devon Canada Corp**	Test #:	**3**
Well Name:	**Eagle Plains K-58**	Interval:	**997.00 to 1,007.00 meters**
Well Location:	**K-58**	Formation:	**S-1 A2**

Flow Rates For Liquids

1st Flow

Fluid Gradient:	**10.00 kPa/meter**
Hydrostatic of produced fluid:	**1,044.74 kPa**
Total Volume Produced:	**0.51 cubic meters**
Production Rate:	**59.15 cubic meters/day**

2nd Flow

Fluid Gradient:	**10.00 kPa/meter**
Hydrostatic of produced fluid:	**1,088.50 kPa**
Total Volume Produced:	**0.80 cubic meters**
Production Rate:	**33.10 cubic meters/day**

Flow Rates For Gases

1st Flow

Average Rate:	**29 cubic meters/day**
Maximum Rate:	**100 cubic meters/day**
Minimum Rate:	**0 cubic meters/day**

2nd Flow

Average Rate:	**23 cubic meters/day**
Maximum Rate:	**115 cubic meters/day**
Minimum Rate:	**0 cubic meters/day**

Summary

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Baker's Ticket:	**60-0520**	Date:	**Thu 31 Mar 2005**
Customer:	**Devon Canada Corp**	Test #:	**3**
Well Name:	**Eagle Plains K-58**	Interval:	**997.00 to 1,007.00 meters**
Well Location:	**K-58**	Formation:	**S-1 A2**

1st Flow

Time Open:	**04:57:45**		
Test Tool Open For:	**12.50 minutes**		
Total Surface Pressure:	**9.84 kPa**	dP/dT:	**0.79 kPa/min**
Hydrostatic of Produced Fluid:	**1,044.74 kPa**	dP/dT:	**83.56 kPa/min**

1st Shut-In

Time Closed:	**05:10:15**		
Pressure Vented After:	**62.49 minutes**		
Total Additional Surface Pressure:	**0.10 kPa**	dP/dT:	**0.00 kPa/min**

2nd Flow

Time Open:	**06:12:45**		
Test Tool Open For:	**35.00 minutes**		
Total Surface Pressure:	**21.26 kPa**	dP/dT:	**0.61 kPa/min**
Hydrostatic of Produced Fluid:	**1,088.50 kPa**	dP/dT:	**31.10 kPa/min**

2nd Shut-In

Time Closed:	**06:47:44**		
Pressure Vented After:	**16.01 minutes**		
Total Additional Surface Pressure:	**0.24 kPa**	dP/dT:	**0.01 kPa/min**

Closed Chamber Gas Rates

1st Flow

Baker Oil Tools
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Baker's Ticket:	**60-0520**	Date:	**Thu 31 Mar 2005**
Customer:	**Devon Canada Corp**	Test #:	**3**
Well Name:	**Eagle Plains K-58**	Interval:	**997.00 to 1,007.00 meters**
Well Location:	**K-58**	Formation:	**S-1 A2**

Time of Day hh:mm:ss	Elapsed min	Pressure kPa	DPDT kPa/min	Gas Rate m3/day
04:57:45	0.00	77.94		
04:58:15	0.50	78.20	0.53	51
04:58:45	1.00	78.64	0.87	85
04:59:15	1.50	79.14	1.01	98
04:59:45	2.00	79.56	0.83	81
05:00:15	2.50	79.91	0.71	69
05:00:45	3.00	80.23	0.63	61
05:01:15	3.50	80.94	1.43	139
05:01:45	4.00	81.07	0.25	25
05:02:15	4.50	81.70	1.27	123
05:02:45	5.00	82.28	1.17	114
05:03:15	5.50	82.83	1.10	107
05:03:45	6.00	83.21	0.74	72
05:04:15	6.50	83.41	0.40	39
05:04:45	7.00	84.10	1.39	135
05:05:15	7.50	84.21	0.22	21
05:05:45	8.00	84.92	1.43	139
05:06:15	8.50	85.08	0.31	30
05:06:45	9.00	85.51	0.86	84
05:07:15	9.50	86.05	1.08	105
05:07:45	10.00	86.12	0.13	13
05:08:15	10.50	86.59	0.95	92
05:08:45	11.00	87.35	1.52	148
05:09:15	11.50	87.42	0.13	12
05:09:45	12.00	87.57	0.31	30
05:10:15	12.50	87.78	0.43	42

Closed Chamber Gas Rates

1st Flow

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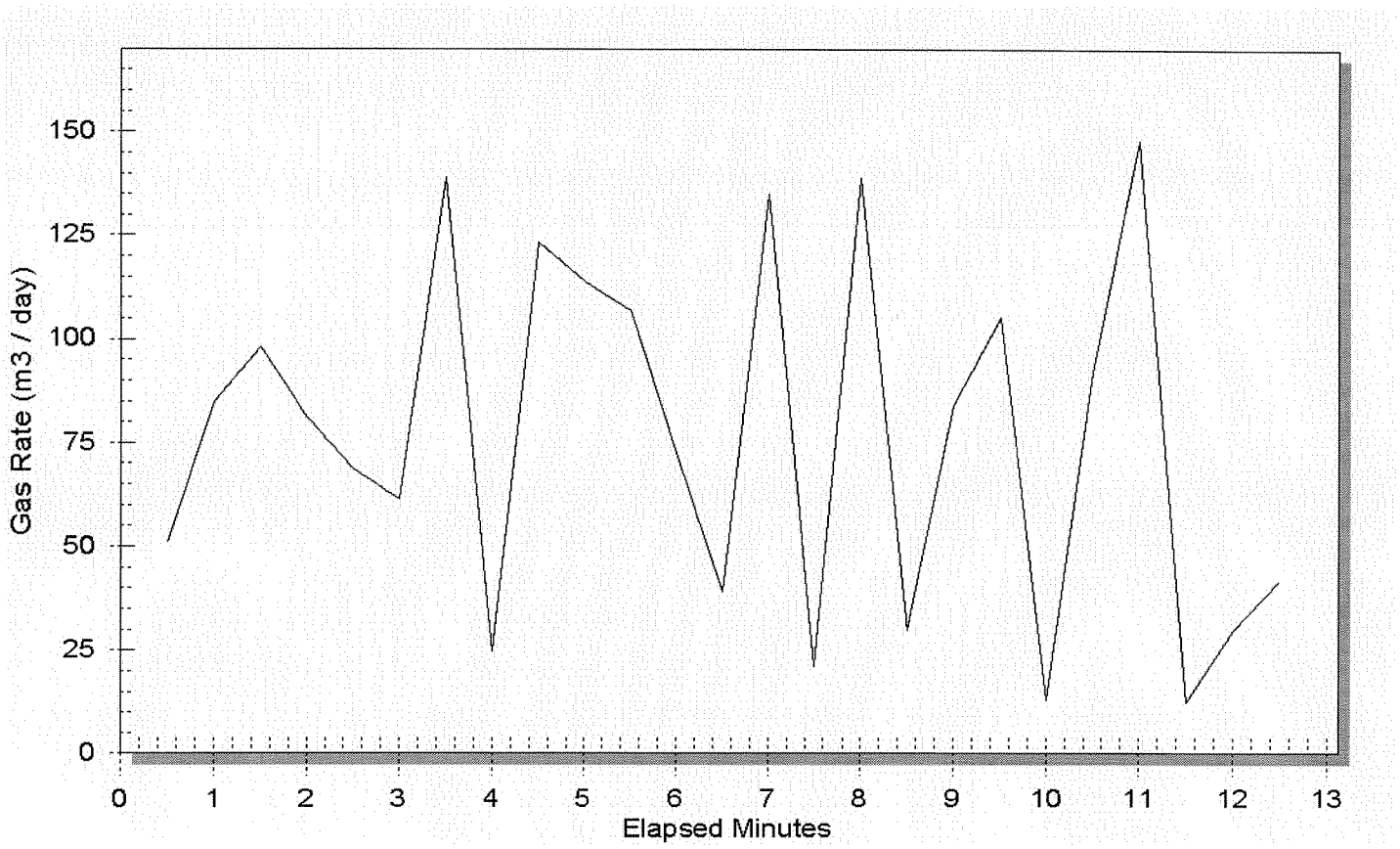
Baker's Ticket:	**60-0520**	Date:	**Thu 31 Mar 2005**
Customer:	**Devon Canada Corp**	Test #:	**3**
Well Name:	**Eagle Plains K-58**	Interval:	**997.00 to 1,007.00 meters**
Well Location:	**K-58**	Formation:	**S-1 A2**



Closed Chamber Gas Rates

2nd Flow

Baker Oil Tools
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Baker's Ticket:	**60-0520**	Date:	**Thu 31 Mar 2005**
Customer:	**Devon Canada Corp**	Test #:	**3**
Well Name:	**Eagle Plains K-58**	Interval:	**997.00 to 1,007.00 meters**
Well Location:	**K-58**	Formation:	**S-1 A2**

Time of Day hh:mm:ss	Elapsed min	Pressure kPa	DPDT kPa/min	Gas Rate m3/day
06:12:45	0.00	87.89		
06:13:15	0.50	88.80	1.81	176
06:13:45	1.00	88.99	0.39	38
06:14:15	1.50	89.42	0.86	84
06:14:45	2.00	89.55	0.27	26
06:15:14	2.50	89.86	0.61	59
06:15:44	3.00	90.46	1.21	118
06:16:15	3.50	90.81	0.69	68
06:16:45	4.00	91.29	0.95	93
06:17:15	4.50	91.46	0.35	34
06:17:45	5.00	91.76	0.61	59
06:18:14	5.49	92.13	0.74	72
06:18:45	6.00	92.59	0.90	88
06:19:15	6.50	92.91	0.64	63
06:19:45	7.00	93.06	0.31	30
06:20:15	7.50	93.58	1.04	101
06:20:45	8.00	93.80	0.43	42
06:21:15	8.50	93.95	0.30	30
06:21:45	9.00	94.39	0.87	85
06:22:15	9.50	94.97	1.17	114
06:22:45	10.00	94.95	-0.05	-5
06:23:15	10.50	95.64	1.38	135
06:23:45	11.00	95.64	0.00	0
06:24:15	11.50	95.86	0.44	43
06:24:45	12.00	96.12	0.52	50
06:25:15	12.50	97.01	1.78	173
06:25:45	13.00	97.14	0.27	26
06:26:15	13.50	97.62	0.95	93
06:26:45	14.00	97.64	0.04	4
06:27:15	14.51	97.94	0.60	59

Closed Chamber Gas Rates

2nd Flow

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Baker's Ticket:	**60-0520**	Date:	**Thu 31 Mar 2005**
Customer:	**Devon Canada Corp**	Test #:	**3**
Well Name:	**Eagle Plains K-58**	Interval:	**997.00 to 1,007.00 meters**
Well Location:	**K-58**	Formation:	**S-1 A2**

Time of Day hh:mm:ss	Elapsed min	Pressure kPa	DPDT kPa/min	Gas Rate m3/day
06:27:45	15.00	98.16	0.44	42
06:28:14	15.50	98.96	1.64	160
06:28:45	16.00	99.07	0.21	21
06:29:15	16.50	99.16	0.17	16
06:29:45	17.01	99.84	1.35	131
06:30:15	17.51	100.09	0.52	50
06:30:45	18.01	100.37	0.56	55
06:31:15	18.51	100.70	0.66	64
06:31:45	19.01	100.88	0.35	34
06:32:15	19.51	101.31	0.87	84
06:32:45	20.01	101.40	0.17	17
06:33:14	20.49	101.75	0.72	70
06:33:45	21.01	102.22	0.92	90
06:34:15	21.51	102.18	-0.09	-8
06:34:44	21.99	102.61	0.90	87
06:35:14	22.49	102.66	0.09	8
06:35:44	22.99	103.29	1.26	123
06:36:14	23.49	103.29	0.00	0
06:36:44	23.99	103.55	0.51	50
06:37:14	24.49	103.96	0.83	81
06:37:44	24.99	104.07	0.22	22
06:38:14	25.49	104.55	0.95	93
06:38:44	25.99	104.72	0.35	34
06:39:14	26.49	105.16	0.87	85
06:39:44	26.99	105.27	0.22	22
06:40:14	27.49	105.40	0.26	25
06:40:44	27.99	105.75	0.69	67
06:41:14	28.50	105.96	0.43	42
06:41:44	28.99	106.14	0.35	34
06:42:14	29.49	106.29	0.31	30

Closed Chamber Gas Rates

2nd Flow

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

Baker's Ticket:	**60-0520**	Date:	**Thu 31 Mar 2005**
Customer:	**Devon Canada Corp**	Test #:	**3**
Well Name:	**Eagle Plains K-58**	Interval:	**997.00 to 1,007.00 meters**
Well Location:	**K-58**	Formation:	**S-1 A2**

Time of Day hh:mm:ss	Elapsed min	Pressure kPa	DPDT kPa/min	Gas Rate m3/day
06:42:44	30.00	106.83	1.07	104
06:43:14	30.49	107.05	0.44	42
06:43:44	31.00	107.23	0.35	34
06:44:14	31.50	107.73	1.01	98
06:44:44	32.00	107.86	0.26	26
06:45:14	32.49	108.12	0.52	51
06:45:45	33.00	108.21	0.17	17
06:46:14	33.50	108.58	0.75	73
06:46:44	34.00	109.01	0.87	85
06:47:14	34.50	108.84	-0.35	-34
06:47:44	35.00	109.14	0.61	59

Closed Chamber Gas Rates

2nd Flow

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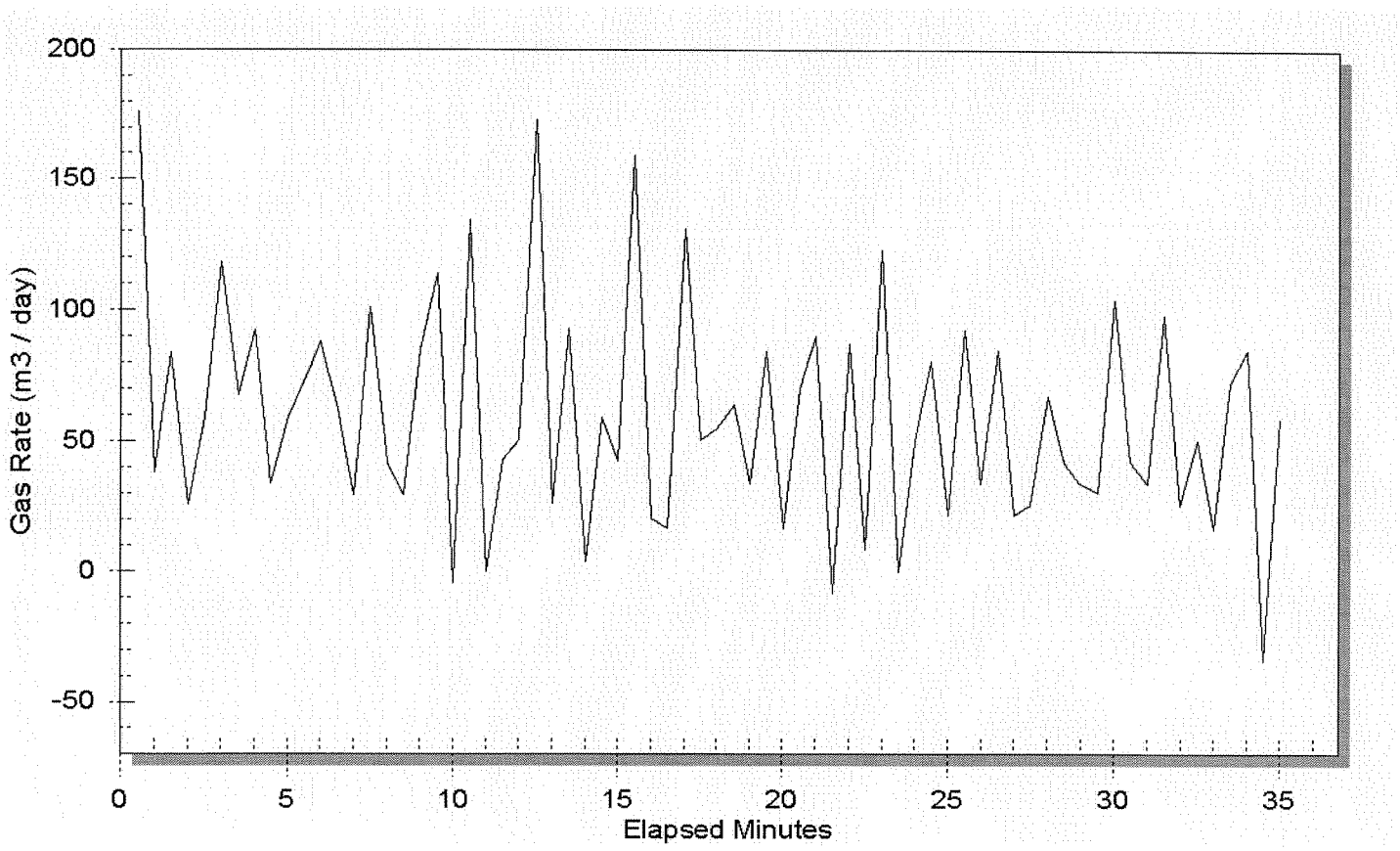
(403) 537-3400 * http://www.bakeroiltools.com/

Baker's Ticket:	**60-0520**	Date:	**Thu 31 Mar 2005**
Customer:	**Devon Canada Corp**	Test #:	**3**
Well Name:	**Eagle Plains K-58**	Interval:	**997.00 to 1,007.00 meters**
Well Location:	**K-58**	Formation:	**S-1 A2**



Surface Pressure

Baker Oil Tools
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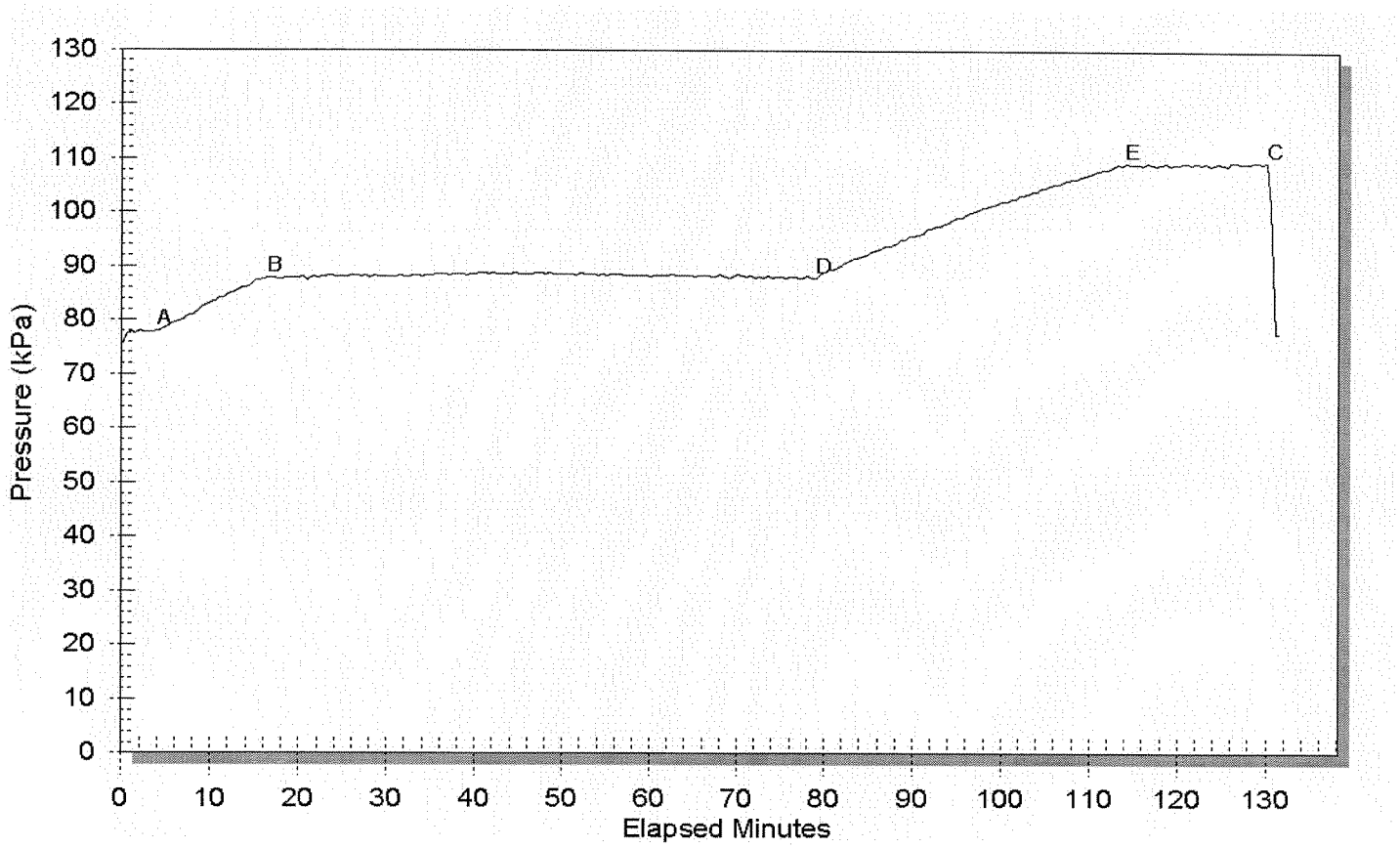
Baker's Ticket:	**60-0520**	Date:	**Thu 31 Mar 2005**
Customer:	**Devon Canada Corp**	Test #:	**3**
Well Name:	**Eagle Plains K-58**	Interval:	**997.00 to 1,007.00 meters**
Well Location:	**K-58**	Formation:	**S-1 A2**



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
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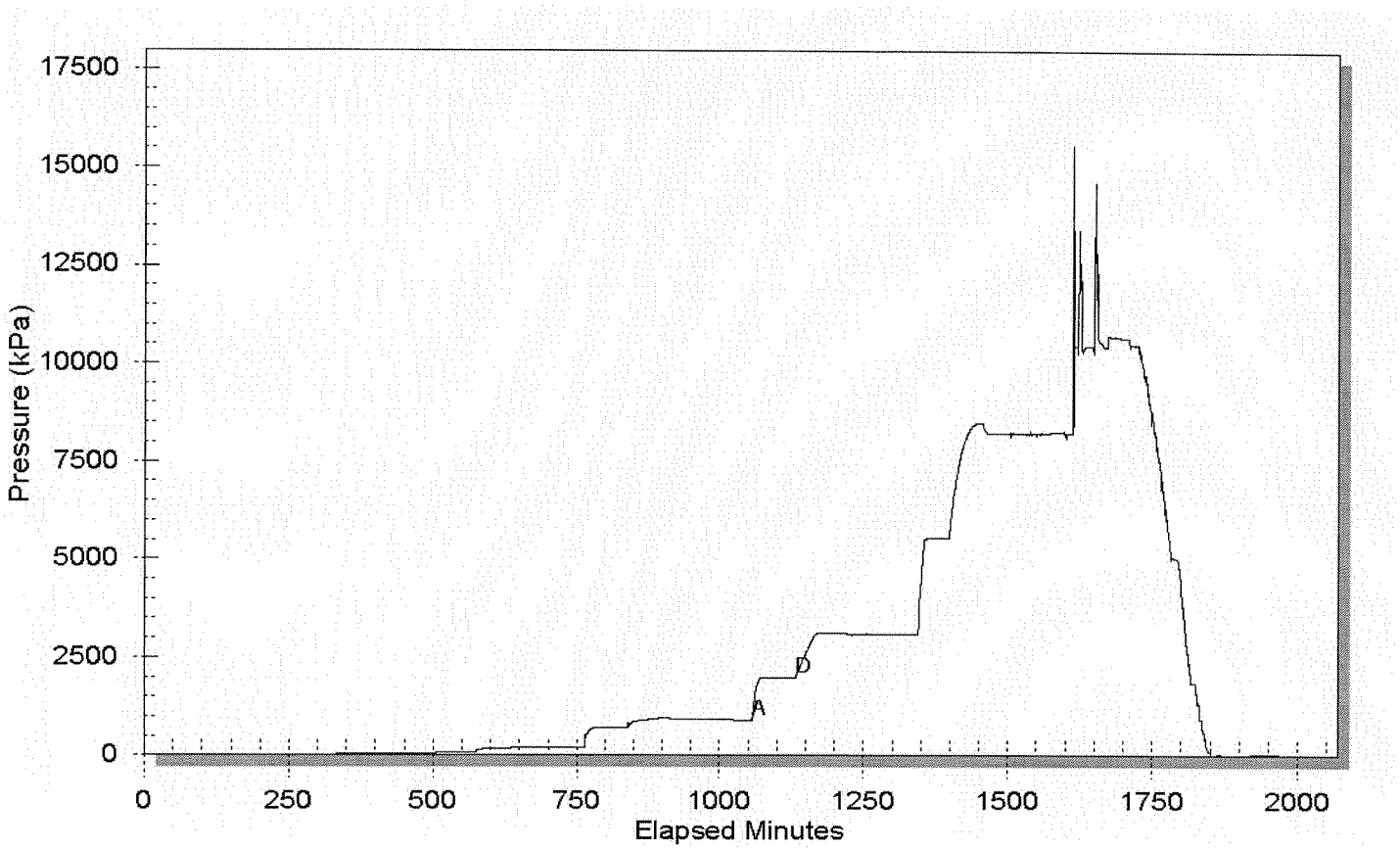
Baker's Ticket:	**60-0520**	Date:	**Thu 31 Mar 2005**
Customer:	**Devon Canada Corp**	Test #:	**3**
Well Name:	**Eagle Plains K-58**	Interval:	**997.00 to 1,007.00 meters**
Well Location:	**K-58**	Formation:	**S-1 A2**



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