



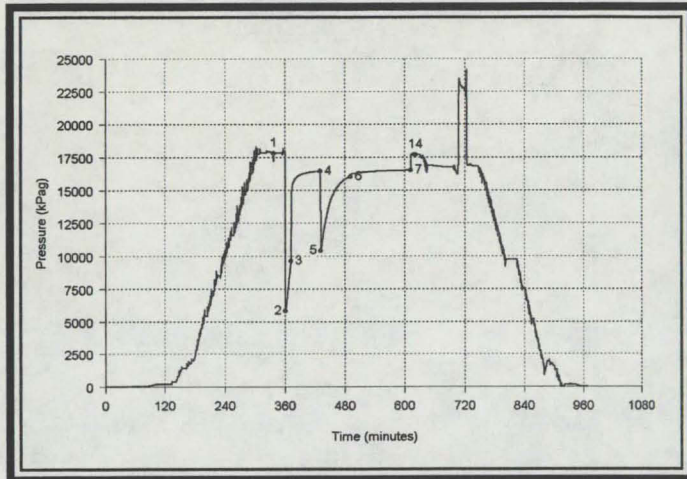
PARAMOUNT ET AL FORT LIARD I-46
00/ 60.050 / 123.220 /0
DST# 5

Baker Oil Tools

Formation: Mattson

Interval - from: 1,734.50 to: 1,740.00 meters

Recorder# N42 at 1,737.00 meters



Test Date: 1999-12-24

Test Type: Conventional Bottom Hole

Blow Description:

PREFLOW: Strong air blow immediately remaining throughout. No gas to surface.

FINAL FLOW: Strong air blow immediately with gas to surface in 30 minutes - too small to measure.

Remarks:

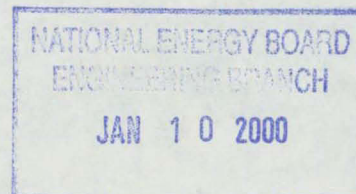
Mechanically successful test. Results suggest high permeability within the interval tested. The fresh water had 0.5% salt.

Max Btm Hole Temperature @ FSI: 63.2 C

	Pressure (kPag)	Time (min)	Extrapolated Pressure (kPag)
1 Initial Hydrostatic	17793		
2 Start of 1st Flow	5808		
3 End of 1st Flow	9618	11.0	
4 End of 1st Shut-in	16417	59.0	16573.9
5 Start of 2nd Flow	10426		
6 End of 2nd Flow	16012	60.5	
7 End of 2nd Shut-in	16484	120.5	16571.3
14 Final Hydrostatic	17688		

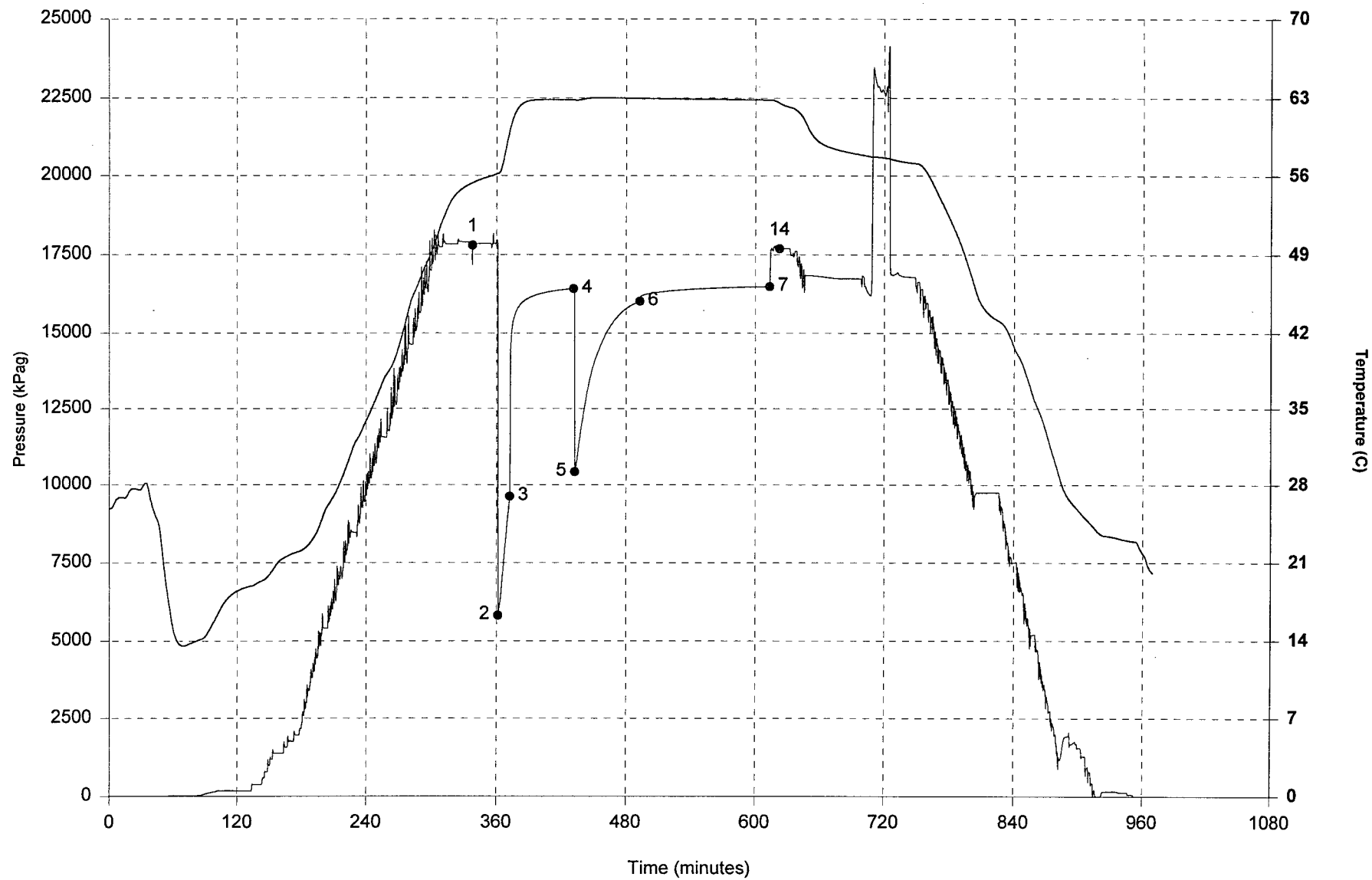
Liquid Recovery 1,643.00 meters

Recovery	Description
643.00 m	FRESH WATER
1,000.00 m	INVERT CUT FRESH WATER



PARAMOUNT ET AL FORT LIARD I-46
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DST #: 5
Recorder: N42

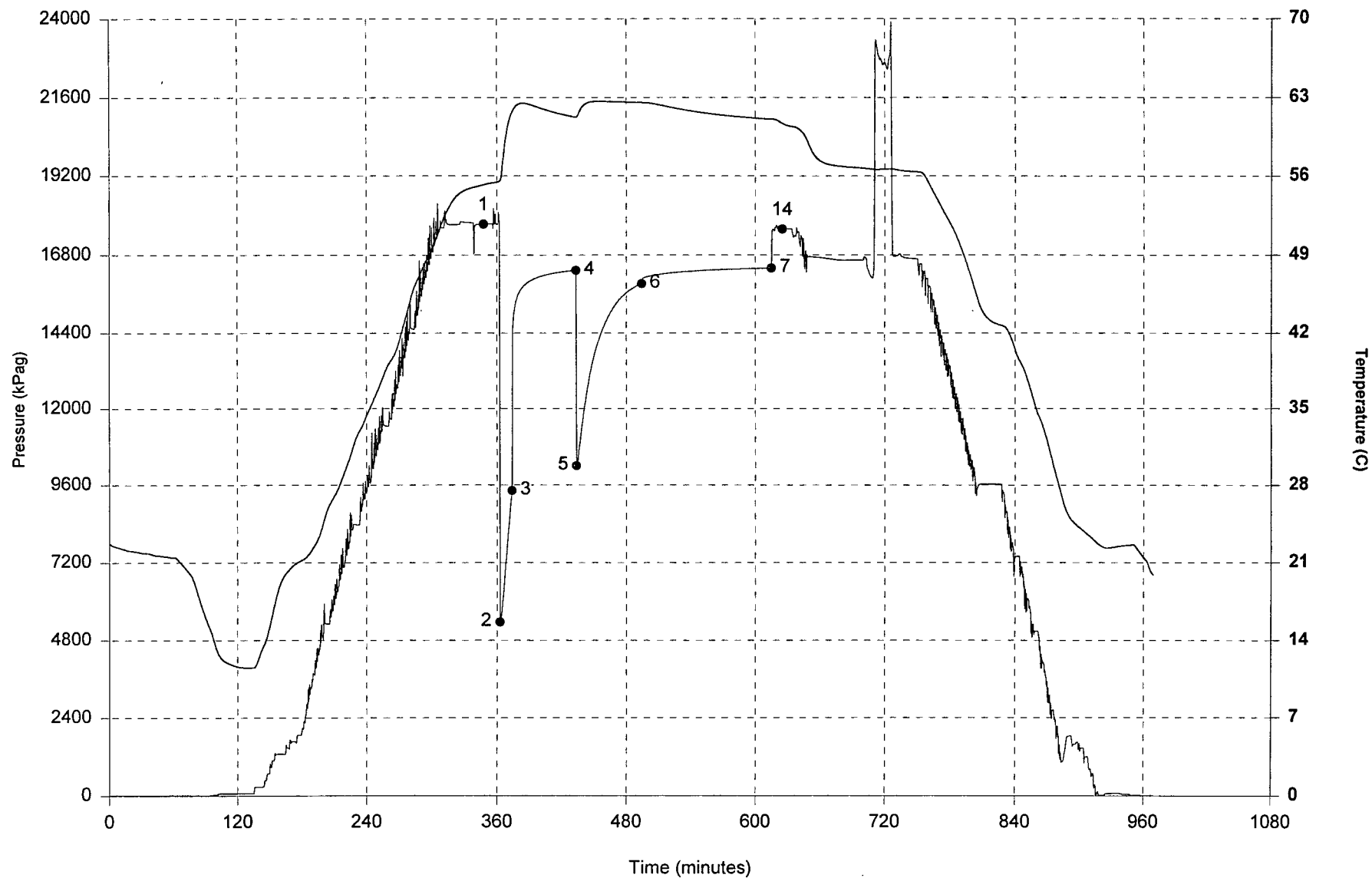
Pressure (kPag) at Critical Points:
1: 17793 4: 16417 7: 16484
2: 5808 5: 10426 14: 17688
3: 9618 6: 16012



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 DST #: 5
 Recorder: V35

Pressure (kPag) at Critical Points:
 1: 17738 4: 16325 7: 16393
 2: 5363 5: 10200 14: 17589
 3: 9422 6: 15921

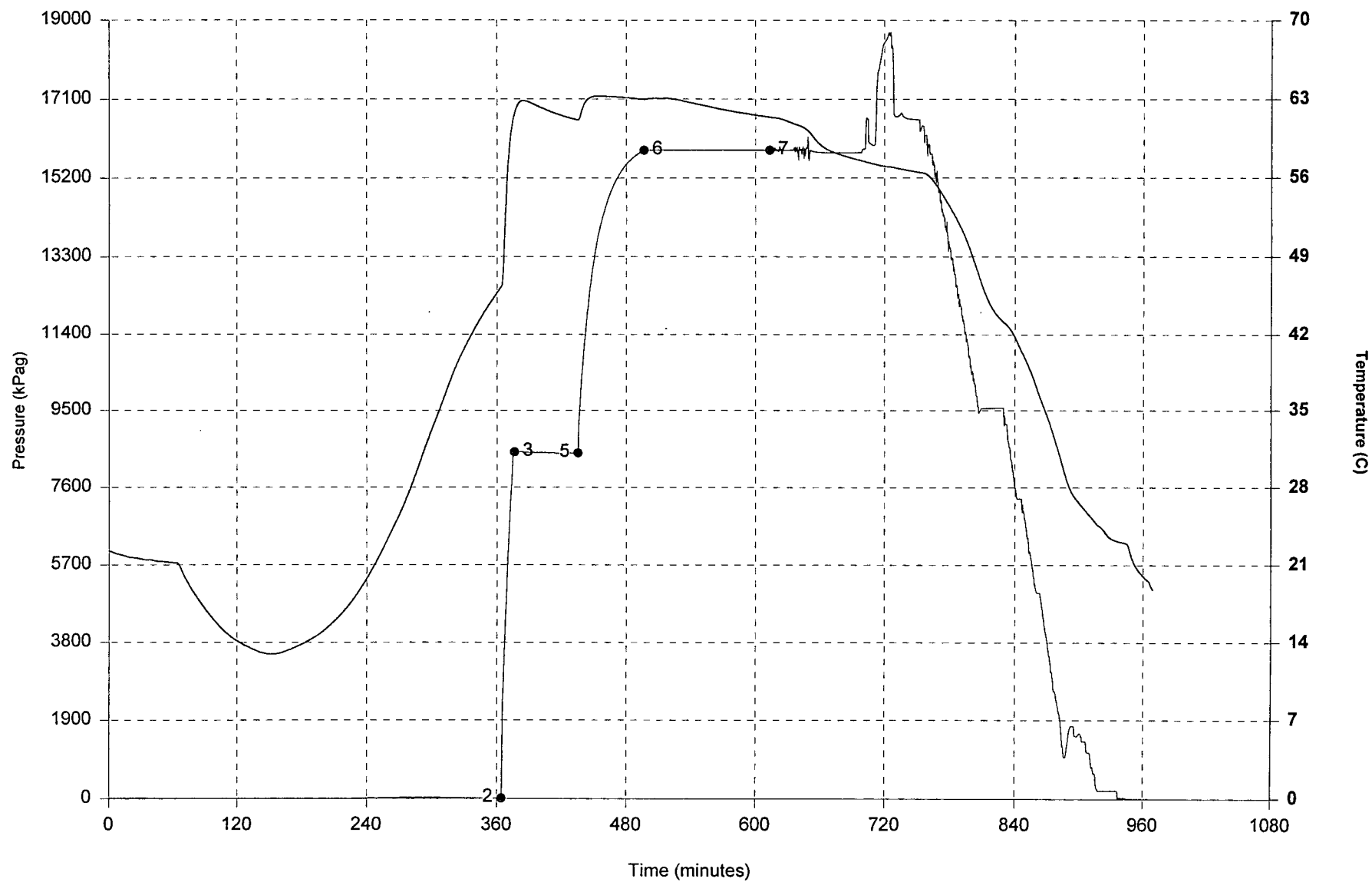
Above interval



PARAMOUNT ET AL FORT LIARD I-46
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DST #: 5
Recorder: V52

Pressure (kPag) at Critical Points:
2: 9 6: 15857
3: 8471 7: 15858
5: 8443

Recovery recorder



PARAMOUNT ET AL FORT LIARD I-46
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General Information:

Operator: Paramount Resources Ltd.
4000, 350 - 7th Avenue S.W.
Calgary Alberta T2P 3W5

Licence#: 1861

Tester: Pugh P

Ticket#: 809308

Reverse Circulated? Y

KB Elevation: 542.20 meters

Ground Elevat'n: 537.20 meters

Total Depth: 1,740.00 meters

Mud Data:

Weight: 1040 kg/m3

Type: Invert

Viscosity: 52 s/l

Water Loss: 0.0 cc/s

Filter Cake: 0.0 mm

Hole Data:

Drilled Hole Size: 156 mm

Hole Condition at Test Time: Good

Conditioned prior to this test? Y

Recorder Summary:

Recorder#	Type	Position	Capacity	Units	Depth	Comments
V52	ZI	Fluid Recovery	68900	kPag	1,721.00	Recovery recorder Above interval
V35	ZI	Inside	68900	kPag	1,727.00	
20755	K-3	Outside	44100	kPag	1,737.00	
N42	ZI	Outside	41400	kPag	1,737.00	

Distributions:

Reports Sent To: Wayne Tomm

Fluid Samples - no of: 7 Sent To: AGAT

Gas Bomb#	Sent To
5000	AGAT
9858	AGAT

Bottom Hole Sampler#	Sent To
303	AGAT

PARAMOUNT ET AL FORT LIARD I-46
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Tool Sequence:

<i>Diagram</i>	<i>Description</i>	<i>Length</i>
	Pump Out Sub	0.33 m
	Cross Over Sub	0.30 m
	Pump Out Sub	0.83 m
	Recorder Carrier	1.38 m
	Rotating Shut-in Tool	2.58 m
	Bottom Hole Sampler	1.03 m
	Hydraulic Tool	1.50 m
	Recorder Carrier	1.38 m
	Hydraulic Jars	2.22 m
	Safety Joint	0.65 m
	Conventional Packer	2.30 m
	Conventional Packer	1.30 m
	Packer Stick Down	1.00 m
	Perforations	1.52 m
	Recorder Carrier	2.05 m
	Spacing	0.31 m
	Anchor Shoe (Bull Nose)	0.62 m

Tool String Length:	21.30 m
Drill Collar I.D.: 56 mm	169.30 m
Drill Pipe O.D.: 102 mm	1,559.33 m
Collar Pipe Total:	1,728.63 m
Stick Up:	9.93 m
Tool Above:	15.80 m
Interval Tested:	5.50 m
Bottom Hole Choke Size:	25.40 mm

PARAMOUNT ET AL FORT LIARD I-46
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DST# 5
Recorder# V52

Build-up and Flow Curve Increments

Flow# 1

Shut-in# 1

<i>Chart Label</i>	<i>Time (min)</i>	<i>Pressure (kPag)</i>	<i>Chart Label</i>	<i>Time (min)</i>	<i>Delta P (kPag)</i>	<i>Pressure (kPag)</i>	<i>Abscissa (T+dT)/dT</i>	<i>Used for Extrap</i>
2	0.0	5808		0.0		9618		
	1.0	6037		1.5	5435	15053	8.3333	
	2.0	6307		3.0	5771	15388	4.6667	
	3.0	6658		4.5	5961	15579	3.4444	
	4.0	7043		6.0	6091	15709	2.8333	
	5.0	7441		7.5	6186	15804	2.4667	
	6.0	7835		9.0	6261	15879	2.2222	
	7.0	8224		10.5	6321	15938	2.0476	
	8.0	8600		12.0	6370	15987	1.9167	
	9.0	8960		13.5	6411	16029	1.8148	
	10.0	9309		15.0	6447	16065	1.7333	
3	11.0	9618		16.5	6478	16096	1.6667	*
				18.0	6505	16123	1.6111	*
				19.5	6530	16147	1.5641	*
				21.0	6552	16170	1.5238	*
				22.5	6572	16189	1.4889	*
				24.0	6590	16208	1.4583	*
				25.5	6607	16224	1.4314	*
				27.0	6622	16240	1.4074	*
				28.5	6636	16254	1.3860	*
				30.0	6650	16267	1.3667	*
				31.5	6662	16280	1.3492	*
				33.0	6674	16292	1.3333	*
				34.5	6685	16302	1.3188	*
				36.0	6695	16312	1.3056	*
				37.5	6705	16322	1.2933	*
				39.0	6714	16331	1.2821	*
				40.5	6722	16340	1.2716	*
				42.0	6730	16348	1.2619	*
				43.5	6738	16356	1.2529	*
				45.0	6745	16363	1.2444	*
				46.5	6752	16370	1.2366	*
				48.0	6759	16377	1.2292	*
				49.5	6765	16383	1.2222	*
				51.0	6772	16389	1.2157	*
				52.5	6777	16395	1.2095	*
				54.0	6783	16400	1.2037	*
				55.5	6788	16406	1.1982	*
				57.0	6793	16411	1.1930	*
				58.5	6798	16415	1.1880	*
4				59.0	6799	16417	1.1864	*

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

PARAMOUNT ET AL FORT LIARD I-46
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DST# 5
Recorder# V52

Build-up and Flow Curve Increments

Flow# 2

Shut-in# 2

Chart Label	Time (min)	Pressure (kPag)	Chart Label	Time (min)	Delta P (kPag)	Pressure (kPag)	Abscissa (T+dT)/dT	Used for Extrap
5	0.0	10426		0.0		16012		
	2.0	10832		3.0	197	16209	24.8333	
	4.0	11373		6.0	224	16236	12.9167	
	6.0	11882		9.0	245	16257	8.9444	
	8.0	12338		12.0	263	16276	6.9583	
	10.0	12763		15.0	279	16291	5.7667	
	12.0	13131		18.0	293	16305	4.9722	
	14.0	13462		21.0	305	16318	4.4048	
	16.0	13757		24.0	317	16330	3.9792	
	18.0	14016		27.0	328	16340	3.6481	
	20.0	14233		30.0	338	16350	3.3833	
	22.0	14425		33.0	347	16360	3.1667	
	24.0	14599		36.0	356	16368	2.9861	*
	26.0	14765		39.0	363	16376	2.8333	*
	28.0	14915		42.0	371	16383	2.7024	*
	30.0	15046		45.0	378	16390	2.5889	*
	32.0	15165		48.0	385	16397	2.4896	*
	34.0	15270		51.0	391	16403	2.4020	*
	36.0	15371		54.0	396	16409	2.3241	*
	38.0	15456		57.0	402	16414	2.2544	*
	40.0	15537		60.0	407	16419	2.1917	*
	42.0	15607		63.0	412	16424	2.1349	*
	44.0	15672		66.0	417	16429	2.0833	*
	46.0	15731		69.0	421	16434	2.0362	*
	48.0	15781		72.0	426	16438	1.9931	*
	50.0	15830		75.0	430	16442	1.9533	*
	52.0	15871		78.0	433	16446	1.9167	*
	54.0	15912		81.0	437	16449	1.8827	*
	56.0	15945		84.0	440	16453	1.8512	*
	58.0	15976		87.0	444	16456	1.8218	*
	60.0	16014		90.0	447	16460	1.7944	*
6	60.5	16012		93.0	450	16462	1.7688	*
				96.0	453	16465	1.7448	*
				99.0	456	16468	1.7222	*
				102.0	458	16471	1.7010	*
				105.0	461	16473	1.6810	*
				108.0	463	16476	1.6620	*
				111.0	466	16478	1.6441	*
				114.0	468	16481	1.6272	*
				117.0	471	16483	1.6111	*
				120.0	472	16484	1.5958	*
			7	120.5	471	16484	1.5934	*

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

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00/ 60.050 / 123.220 /0
DST# 5
Recorder# N42

Build-up and Flow Curve Increments

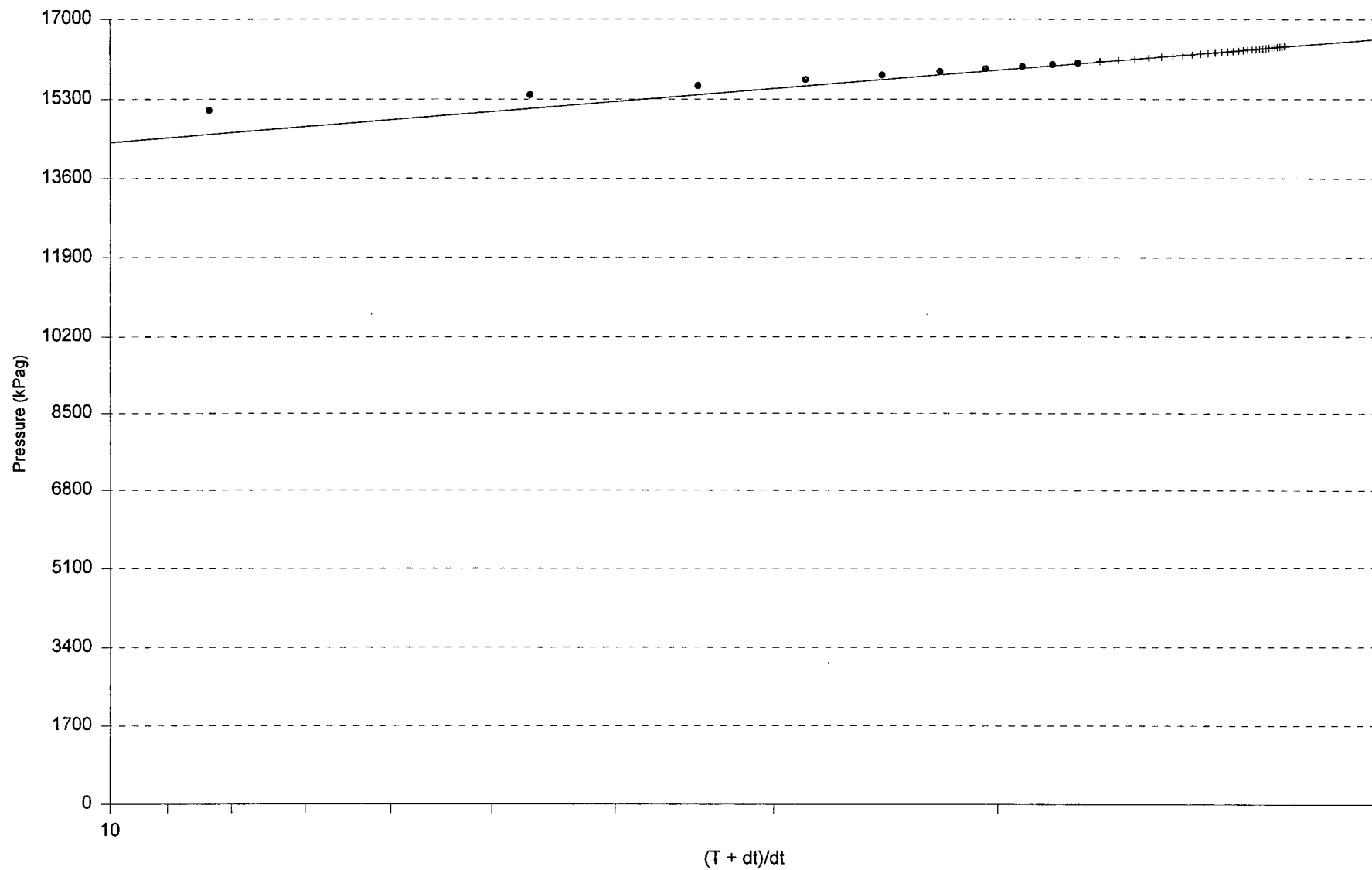
Horner Extrapolation:

<i>Shut-in#</i>	<i>Extrapolated Pressure (kPag)</i>	<i>Extrapolated Slope ((kPag/cycle)</i>
1	16573.9	2,213.85524
2	16571.3	438.74955

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

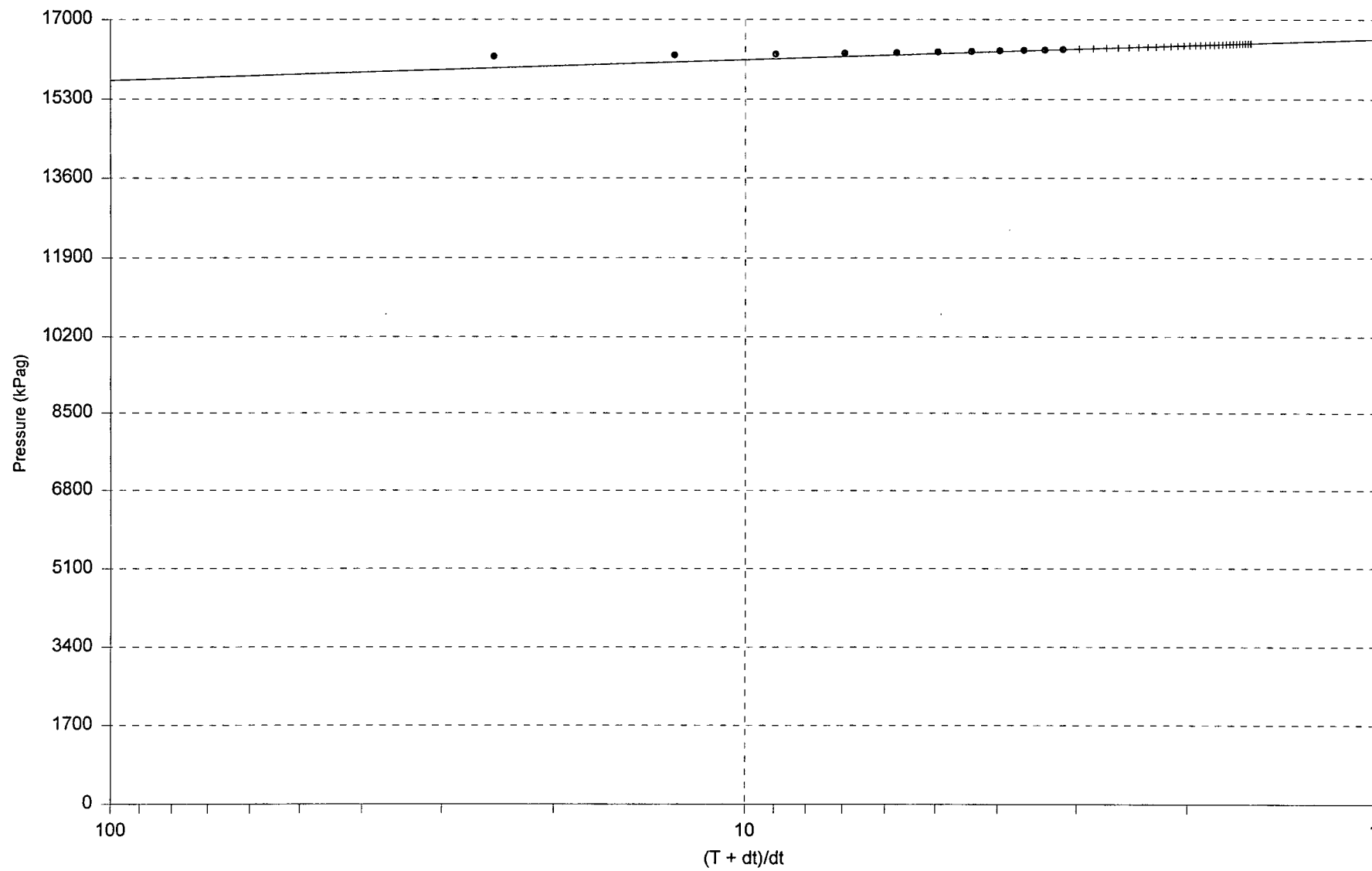
PARAMOUNT ET AL FORT LIARD I-46
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 Recorder: N42

Shut-in #1
 Slope = 2213.86 kPag/cycle
 Extrapolated Pressure = 16573.91 kPag



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Recorder: N42

Shut-in #2
Slope = 438.75 kPag/cycle
Extrapolated Pressure = 16571.27 kPag



PARAMOUNT ET AL FORT LIARD I-46
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DST# 5
Recorder# N42

LIQUID RESERVOIR CALCULATIONS (Using Semi-log Analysis) :

Based on Shut-in# 2

Reservoir Parameters Used:

Net Pay:	5.0 m	Specific Gravity:	1.000
Porosity:	13.0 %	API Gravity:	10.0
Temperature:	63.2 C	Compressibility:	4.8020e-7 / kPag
Liquid Viscosity:	0.440 mPa.s		
Fluid Recovered:	1,643.00 m		
Total Flow Time:	71.5 min		
Production Rate:	176.82 m3/da		
Final Flowing Pressure:	16012 kPag		
Horner Slope:	438.74955 kPag / cycle		
Horner Extrapolation:	16571.3 kPag		
Formation Volume Factor:	1.019 Reservoir/Surface		
Wellbore Radius:	77.75 mm		

Results:

Effective Permeability:	76.65 mD
Transmissibility:	871.01 mD.m/mPa.s
Flow Capacity:	383.25 mD.m
Skin:	-6.19
Pressure Drop Across Skin:	-2,358.76 kPa
Radius of Investigation:	218.87 m
Calculated Damage Ratio:	0.19
Productivity Index:	0.3164 m3/kPa.d
Productivity Index Damage Removed:	0.3164 m3/kPa.d
Possible Depletion:	0.02 %

PARAMOUNT ET AL FORT LIARD I-46

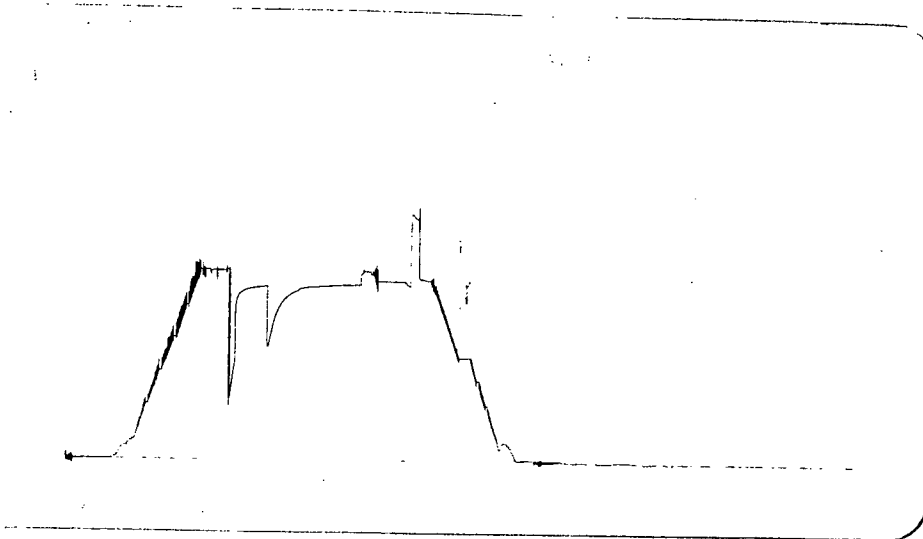
00/ 60.050 / 123.220 /0

DST# 5

Recorder# 20755

Depth: 1,737.00 m
Location: Outside

Recorder Type: K-3
Capacity: 44,100 kPag

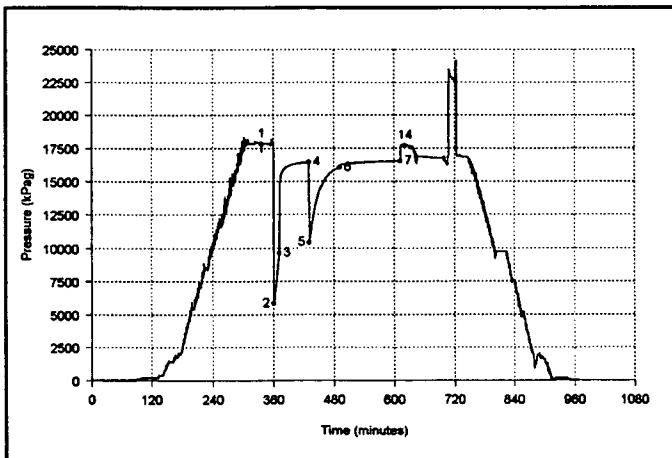


		Pressure (kPag)	Time (min)
1	Initial Hydrostatic	17783	
2	Start of 1st Flow	5896	
3	End of 1st Flow	9335	11.0
4	End of 1st Shut-in	16416	59.0
5	Start of 2nd Flow	10666	
6	End of 2nd Flow	15987	60.5
7	End of 2nd Shut-in	16507	120.5
14	Final Hydrostatic	17655	

Recorder# N42

Depth: 1,737.00 m
Temperature: 63.2 C
Location: Outside

Recorder Type: ZI
Capacity: 41,400 kPag



		Pressure (kPag)	Time (min)
1	Initial Hydrostatic	17793	
2	Start of 1st Flow	5808	
3	End of 1st Flow	9618	11.0
4	End of 1st Shut-in	16417	59.0
5	Start of 2nd Flow	10426	
6	End of 2nd Flow	16012	60.5
7	End of 2nd Shut-in	16484	120.5
14	Final Hydrostatic	17688	

PARAMOUNT ET AL FORT LIARD I-46

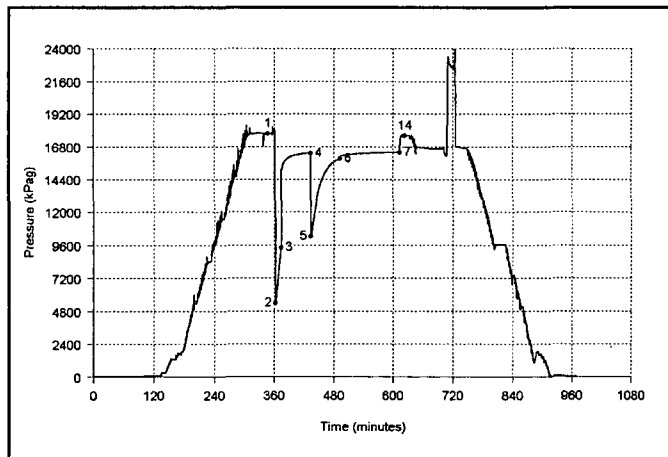
00/ 60.050 / 123.220 /0

DST# 5

Recorder# V35

Depth: 1,727.00 m
 Temperature: 62.8 C
 Location: Inside

Recorder Type: ZI
 Capacity: 68,900 kPag
 Comments: Above interval

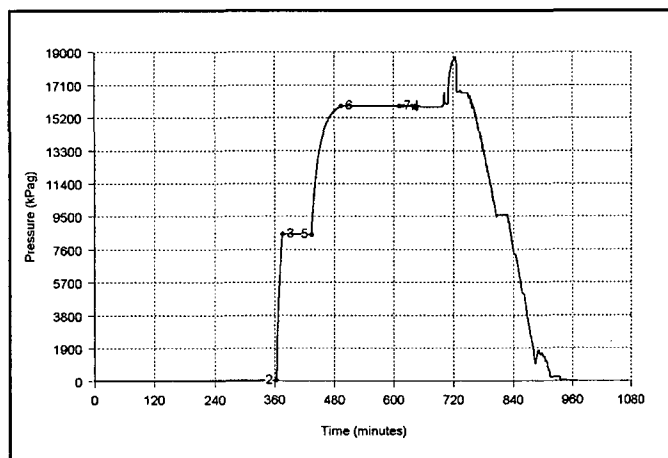


		Pressure (kPag)	Time (min)
1	Initial Hydrostatic	17738	
2	Start of 1st Flow	5363	
3	End of 1st Flow	9422	11.0
4	End of 1st Shut-in	16325	59.0
5	Start of 2nd Flow	10200	
6	End of 2nd Flow	15921	60.5
7	End of 2nd Shut-in	16393	120.5
14	Final Hydrostatic	17589	

Recorder# V52

Depth: 1,721.00 m
 Temperature: 63.2 C
 Location: Fluid Recovery

Recorder Type: ZI
 Capacity: 68,900 kPag
 Comments: Recovery recorder



		Pressure (kPag)	Time (min)
2	Start of 1st Flow	9	
3	End of 1st Flow	8471	11.0
5	Start of 2nd Flow	8443	
6	End of 2nd Flow	15857	60.5
7	End of 2nd Shut-in	15858	120.5