

Baker Oil Tools

Formation: Mattson
Interval - from: 1,899.00 to: 1,903.00 meters

Test Date: 2000-01-11
Test Type : Inflate Straddle

Recorder# N42 at 1,901.00 meters

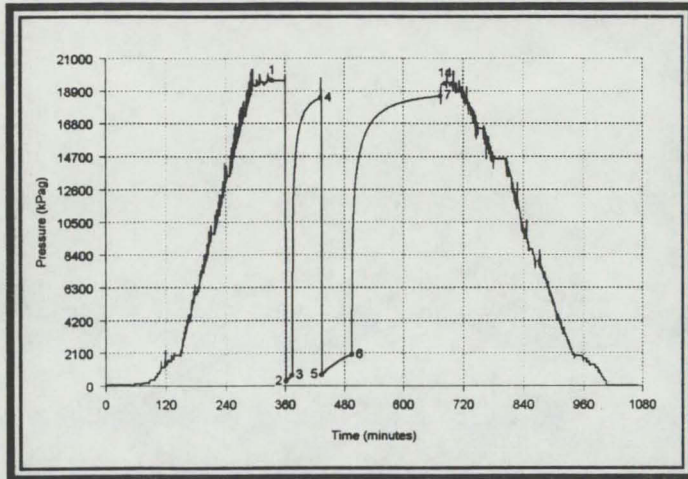
Blow Description:

PREFLOW: Very weak air blow increasing to weak in 10 minutes. No gas to surface.

FINAL FLOW: Very weak air blow increasing to weak in 25 minutes. No gas to surface.

Remarks:

Mechanically successful test. Results suggest relatively low permeability within the interval tested.



Max Btm Hole Temperature @ FSI: 64.0 C

	Pressure (kPag)	Time (min)	Extrapolated Pressure (kPag)
1 Initial Hydrostatic	19551		
2 Start of 1st Flow	264		
3 End of 1st Flow	643	12.5	
4 End of 1st Shut-in	18412	58.5	19303.2
5 Start of 2nd Flow	693		
6 End of 2nd Flow	1954	61.0	
7 End of 2nd Shut-in	18539	179.5	19241.6
14 Final Hydrostatic	19344		

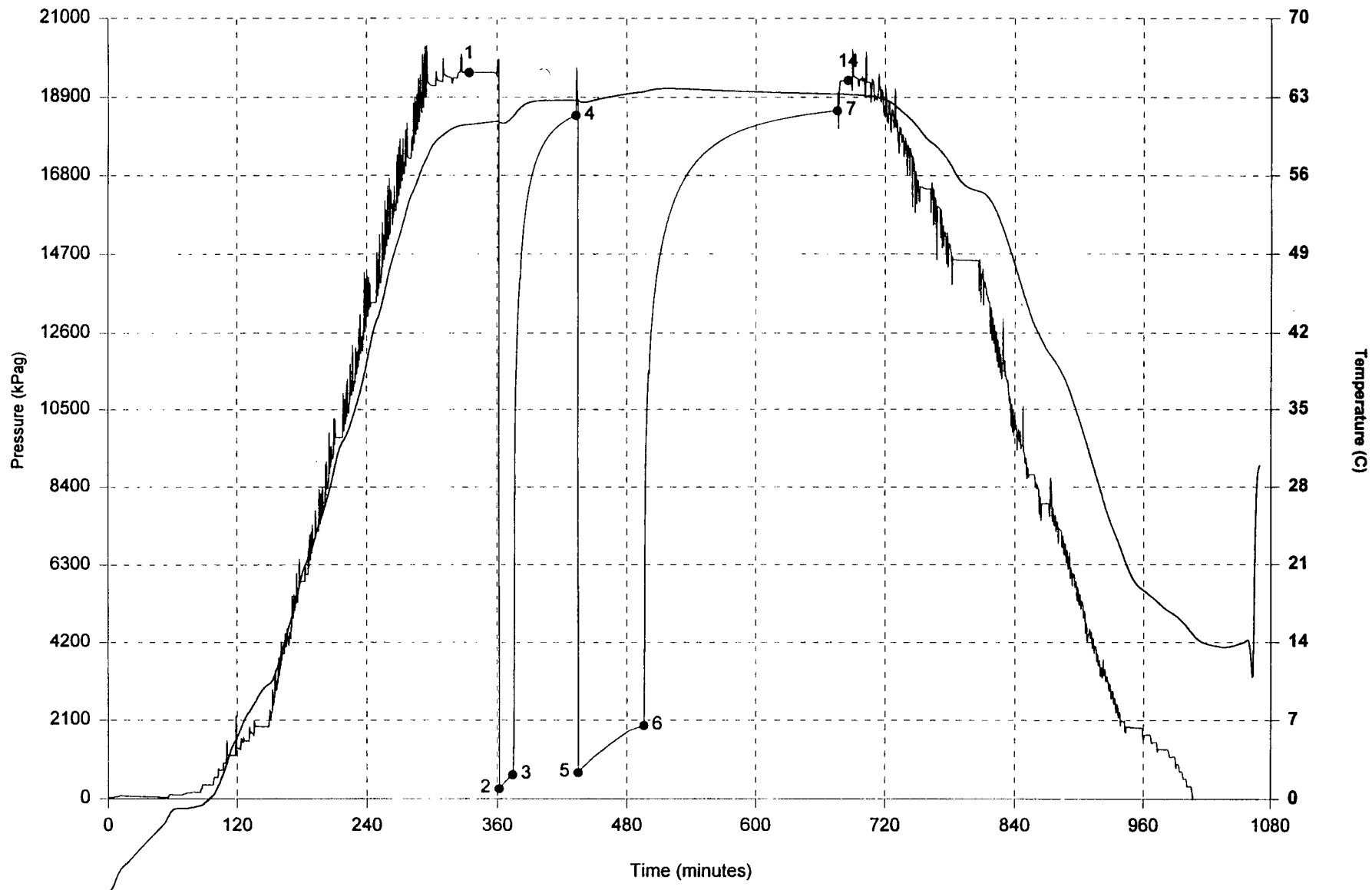
Liquid Recovery 160.00 meters

Salinity : 50 000 g/m3

Recovery	Description
40.00 m	WATER CUT INVERT
120.00 m	SALT WATER

PARAMOUNT ET AL FORT LIARD I-46
 00/ 60.050 / 123.220 /0
 DST #: 7
 Recorder: N42

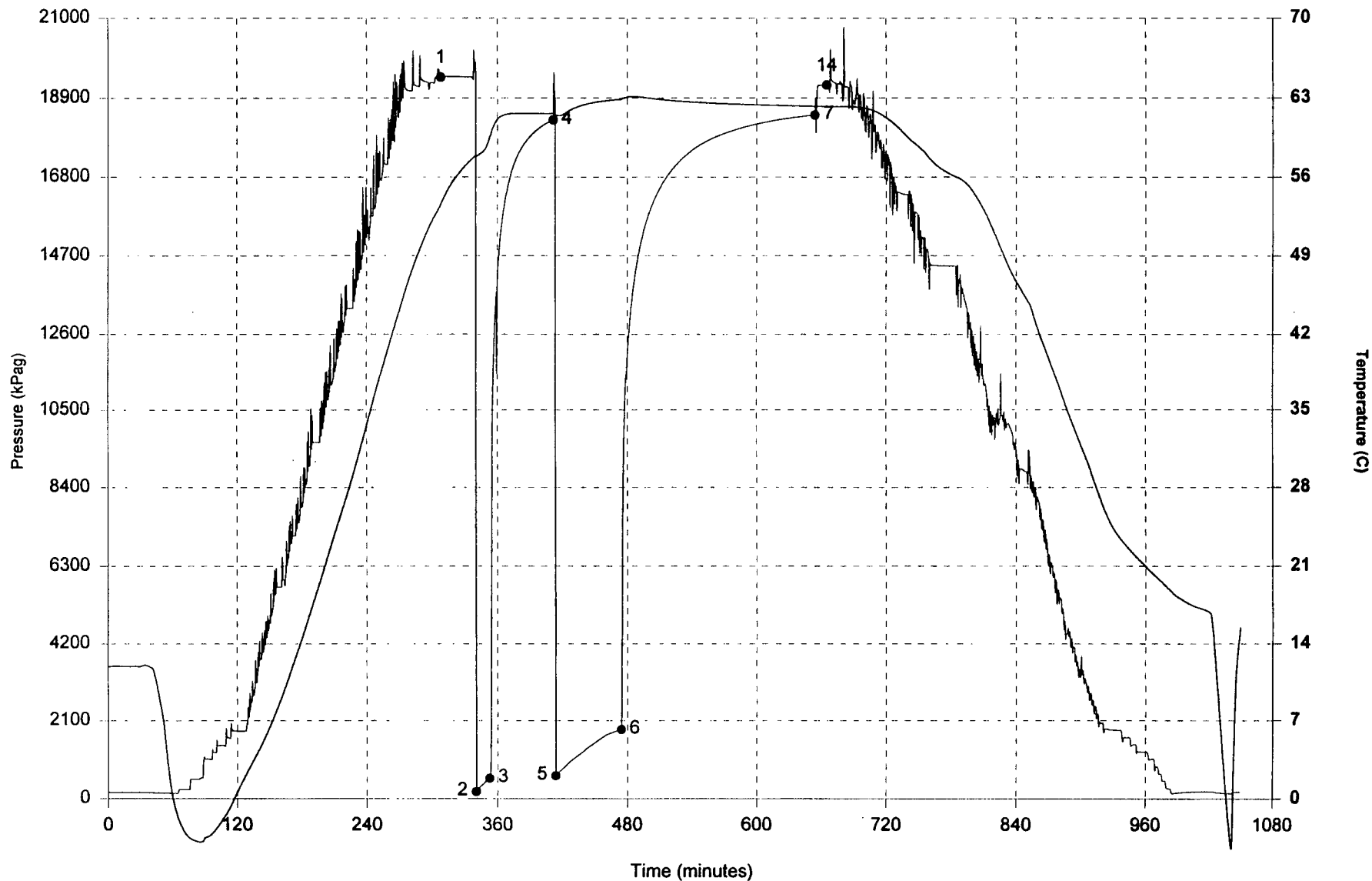
Pressure (kPag) at Critical Points:
 1: 19551 4: 18412 7: 18539
 2: 264 5: 693 14: 19344
 3: 643 6: 1954



PARAMOUNT ET AL FORT LIARD I-46
 00/ 60.050 / 123.220 / 0
 DST #: 7
 Recorder: R85

Pressure (kPag) at Critical Points:
 1: 19445 4: 18311 7: 18436
 2: 190 5: 612 14: 19241
 3: 547 6: 1861

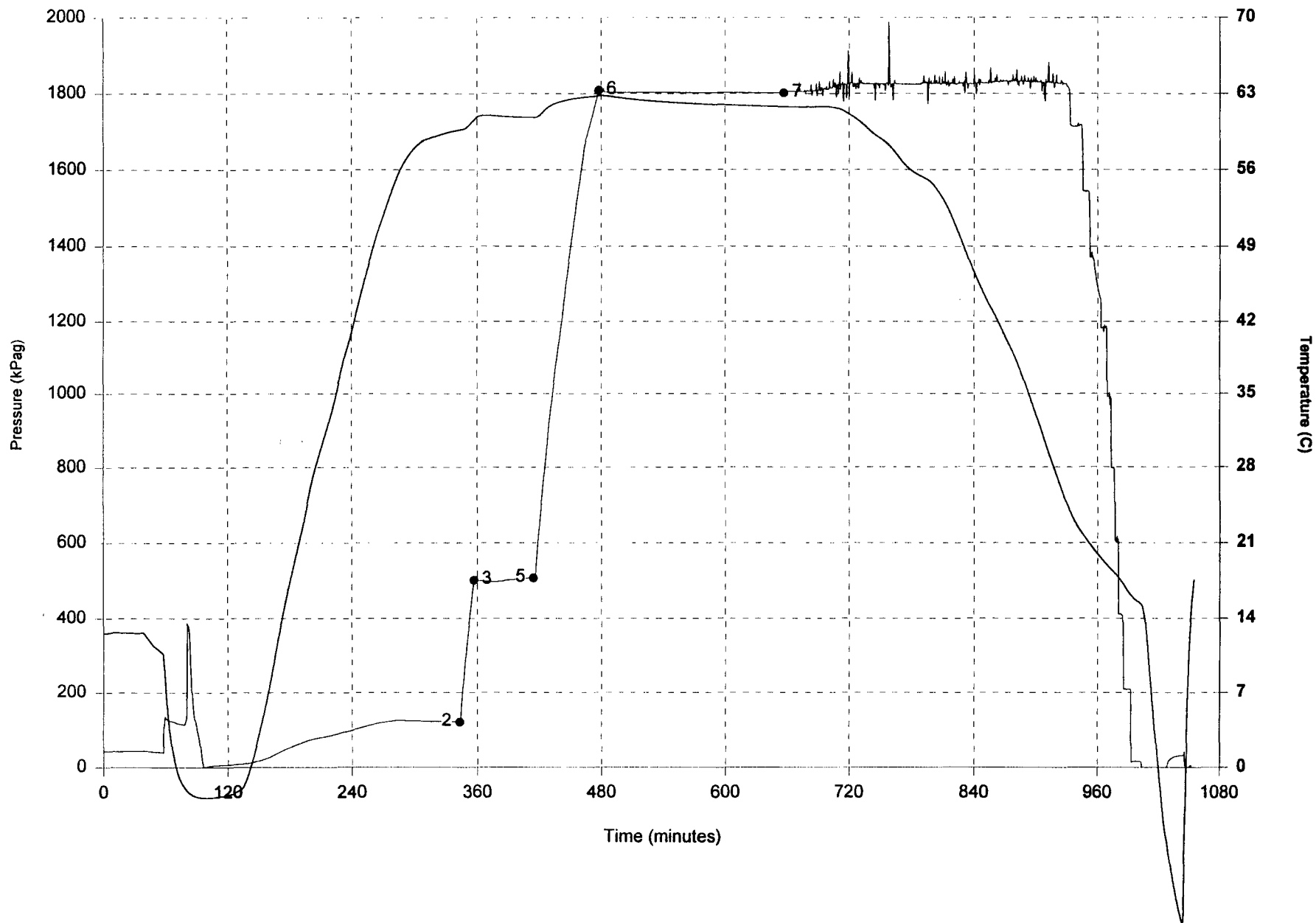
Above interval



PARAMOUNT ET AL FORT LIARD I-46
 00/ 60.050 / 123.220 / 0
 DST #: 7
 Recorder: P99

Pressure (kPag) at Critical Points:
 2: 121 6: 1808
 3: 501 7: 1802
 5: 507

Recovery recorder



PARAMOUNT ET AL FORT LIARD I-46
00/ 60.050 / 123.220 /0
DST# 7

General Information:

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

Licence#: 1861

Tester: Prysunka S

Ticket#: 809344

Reverse Circulated? N

KB Elevation: 542.20 meters

Ground Elevat'n: 537.20 meters

Total Depth: 2,055.00 meters

Mud Data:

Weight: 1035 kg/m3

Type: Invert

Viscosity: 60 s/l

Water Loss: 0.0 cc/s

Filter Cake: 1.0 mm

Hole Data:

Drilled Hole Size: 156 mm

Calipered Hole Size: 156 mm

Hole Condition at Test Time: Good

Conditioned prior to this test? N

Recorder Summary:

Recorder#	Type	Position	Capacity	Units	Depth	Comments
P99	ZI	Fluid Recovery	41400	kPag	1,885.00	Recovery recorder
R85	ZI	Inside	68900	kPag	1,890.00	Above interval
N42	ZI	Outside	41400	kPag	1,901.00	
20755	K-3	Inside	44100	kPag	1,905.00	Below Interval

Distributions:

Reports Sent To: Wayne Tomm

Fluid Samples - no of: 3 Sent To: AGAT

Bottom Hole Sampler#	Sent To
777	AGAT

PARAMOUNT ET AL FORT LIARD I-46
00/ 60.050 / 123.220 /0
DST# 7

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
	Hydraulic Tool	1.50 m
	Bottom Hole Sampler	1.03 m
	Recorder Carrier	1.38 m
	Hydraulic Jars	2.22 m
	Safety Joint	0.65 m
	Inflate Pump	2.38 m
	Screen	1.16 m
	Top Inflate Packer	1.78 m
	Packer Stick Down	0.82 m
	Port Sub	0.42 m
	Recorder Carrier	2.04 m
	Spacing	0.30 m
	Packer Stick Up	0.42 m
	Bottom Inflate Packer	1.90 m
	Recorder Carrier	0.00 m
	Perforations	0.30 m
	Belly Spring	2.00 m

Tool String Length:	23.14 m
Drill Collar I.D.: 53 mm	169.28 m
Drill Pipe O.D.: 102 mm	1,717.48 m
Collar Pipe Total:	1,886.76 m
Stick Up:	2.70 m
Tool Above:	14.94 m
Interval Tested:	4.00 m
Bottom Hole Choke Size:	25.40 mm

PARAMOUNT ET AL FORT LIARD I-46
00/ 60.050 / 123.220 /0
DST# 7
Recorder# P99

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	264		0.0		643		
	1.0	305		1.5	4867	5510	9.3333	
	2.0	343		3.0	10651	11294	5.1667	
	3.0	374		4.5	12215	12857	3.7778	
	4.0	403		6.0	13166	13809	3.0833	
	5.0	432		7.5	13799	14441	2.6667	
	6.0	460		9.0	14440	15083	2.3889	
	7.0	493		10.5	14889	15532	2.1905	
	8.0	523		12.0	15242	15885	2.0417	
	9.0	551		13.5	15536	16179	1.9259	
	10.0	579		15.0	15784	16427	1.8333	
	11.0	606		16.5	15996	16638	1.7576	
3	12.0	631		18.0	16179	16822	1.6944	
	12.5	643		19.5	16338	16981	1.6410	
				21.0	16480	17123	1.5952	
				22.5	16605	17247	1.5556	
				24.0	16716	17359	1.5208	
				25.5	16816	17459	1.4902	
				27.0	16906	17549	1.4630	
				28.5	16988	17631	1.4386	
				30.0	17062	17705	1.4167	*
				31.5	17130	17772	1.3968	*
				33.0	17192	17835	1.3788	*
				34.5	17249	17892	1.3623	*
				36.0	17301	17944	1.3472	*
				37.5	17350	17992	1.3333	*
				39.0	17395	18037	1.3205	*
				40.5	17436	18079	1.3086	*
				42.0	17475	18118	1.2976	*
				43.5	17511	18154	1.2874	*
				45.0	17545	18188	1.2778	*
				46.5	17577	18219	1.2688	*
				48.0	17606	18249	1.2604	*
				49.5	17634	18277	1.2525	*
				51.0	17660	18303	1.2451	*
				52.5	17684	18327	1.2381	*
				54.0	17707	18350	1.2315	*
				55.5	17729	18372	1.2252	*
				57.0	17750	18392	1.2193	*
4				58.5	17769	18412	1.2137	*

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
00/ 60.050 / 123.220 /0
DST# 7
Recorder# P99

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	693		0.0		1954		
	2.0	768		3.5	8944	10898	22.0000	
	4.0	829		7.0	10740	12694	11.5000	
	6.0	887		10.5	11843	13797	8.0000	
	8.0	941		14.0	12570	14524	6.2500	
	10.0	994		17.5	13112	15066	5.2000	
	12.0	1054		21.0	13534	15487	4.5000	
	14.0	1107		24.5	13878	15831	4.0000	
	16.0	1152		28.0	14169	16123	3.6250	
	18.0	1198		31.5	14411	16365	3.3333	
	20.0	1243		35.0	14619	16573	3.1000	
	22.0	1286		38.5	14802	16756	2.9091	
	24.0	1330		42.0	14958	16912	2.7500	
	26.0	1373		45.5	15098	17052	2.6154	
	28.0	1424		49.0	15220	17174	2.5000	
	30.0	1469		52.5	15333	17286	2.4000	
	32.0	1511		56.0	15433	17387	2.3125	
	34.0	1552		59.5	15521	17475	2.2353	
	36.0	1593		63.0	15603	17556	2.1667	
	38.0	1634		66.5	15677	17631	2.1053	
	40.0	1673		70.0	15745	17699	2.0500	
	42.0	1711		73.5	15810	17764	2.0000	
	44.0	1750		77.0	15866	17820	1.9545	
	46.0	1790		80.5	15919	17873	1.9130	
	48.0	1821		84.0	15968	17922	1.8750	
	50.0	1841		87.5	16014	17968	1.8400	
	52.0	1861		91.0	16055	18009	1.8077	
	54.0	1882		94.5	16094	18048	1.7778	
	56.0	1903		98.0	16130	18084	1.7500	
	58.0	1925		101.5	16164	18118	1.7241	
	60.0	1944		105.0	16196	18150	1.7000	
6	61.0	1954		108.5	16226	18180	1.6774	
				112.0	16254	18207	1.6563	
				115.5	16280	18234	1.6364	*
				119.0	16305	18259	1.6176	*
				122.5	16329	18282	1.6000	*
				126.0	16350	18304	1.5833	*
				129.5	16372	18326	1.5676	*
				133.0	16391	18345	1.5526	*
				136.5	16411	18364	1.5385	*
				140.0	16429	18382	1.5250	*
				143.5	16446	18400	1.5122	*
				147.0	16463	18416	1.5000	*
				150.5	16478	18432	1.4884	*
				154.0	16493	18447	1.4773	*

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
00/ 60.050 / 123.220 /0
DST# 7
Recorder# N42

Build-up and Flow Curve Increments

Flow# 2

Shut-in# 2

<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>
7	157.5	16508	18462	1.4667	*
	161.0	16521	18475	1.4565	*
	164.5	16535	18489	1.4468	*
	168.0	16547	18501	1.4375	*
	171.5	16559	18513	1.4286	*
	175.0	16571	18525	1.4200	*
	178.5	16582	18536	1.4118	*
	179.5	16585	18539	1.4095	*

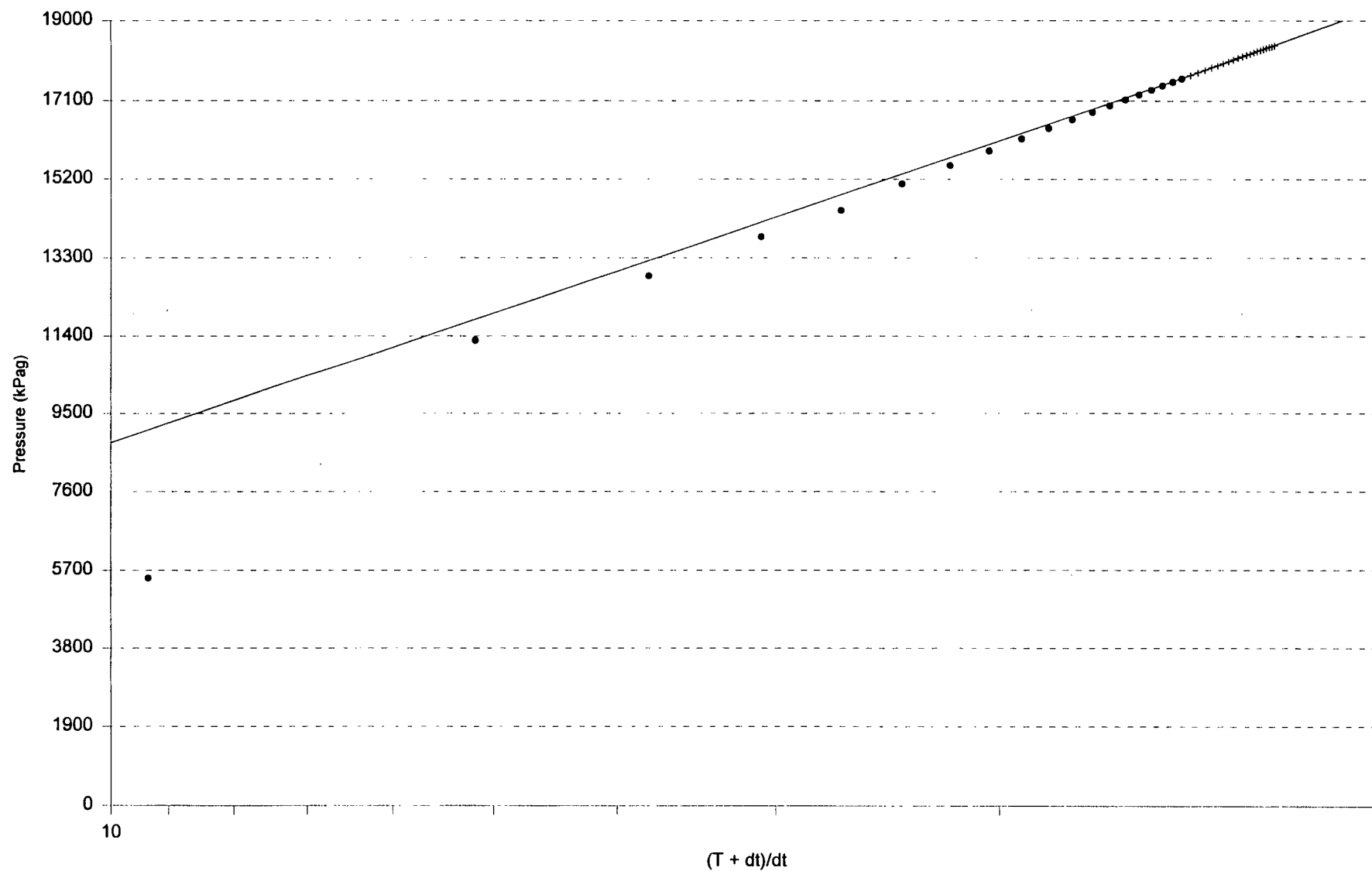
Horner Extrapolation:

<i>Shut-in#</i>	<i>Extrapolated Pressure (kPag)</i>	<i>Extrapolated Slope (kPag/cycle)</i>
1	19303.2	10,514.61608
2	19241.6	4,696.67977

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

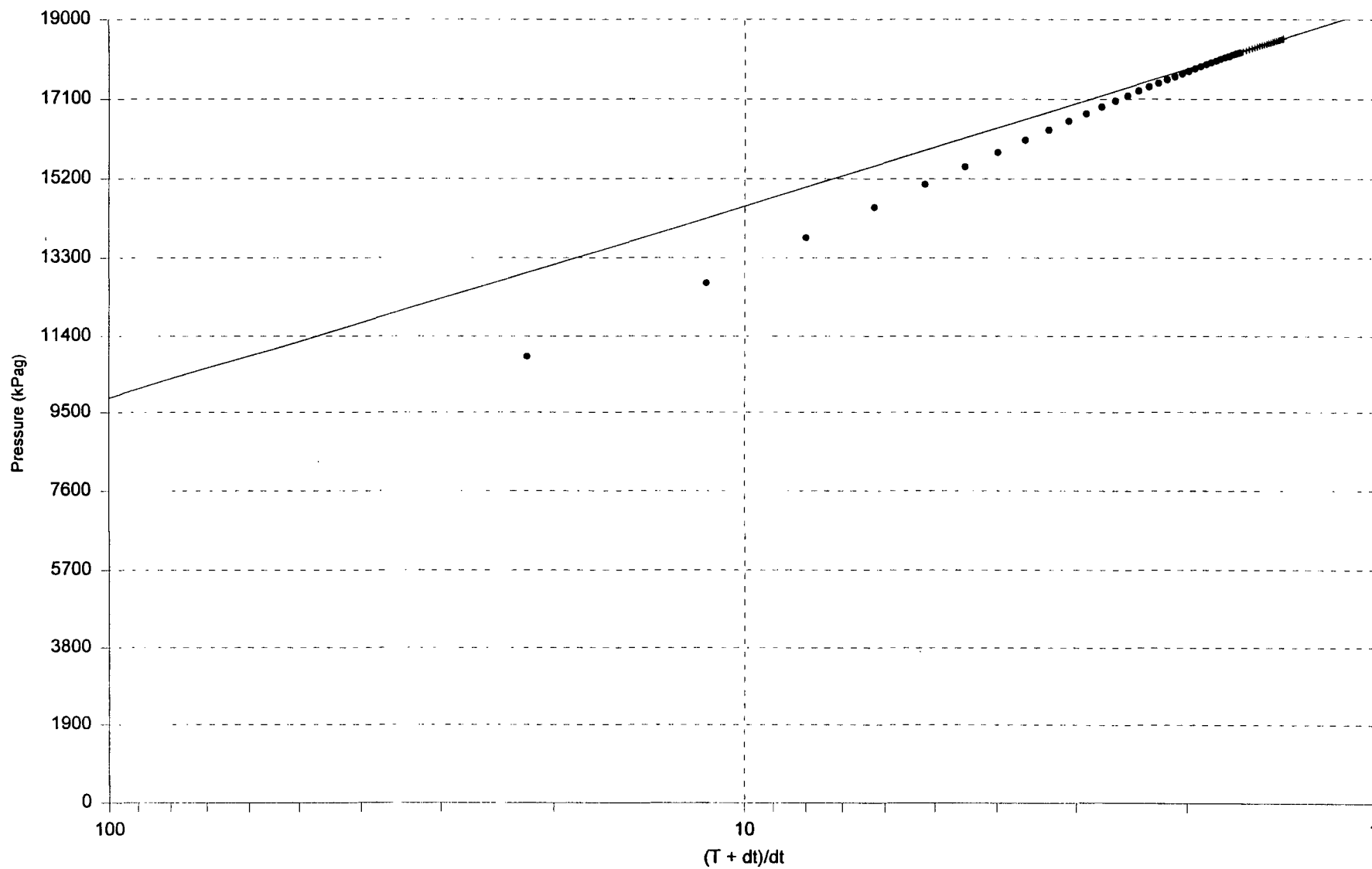
PARAMOUNT ET AL FORT LIARD I-46
 00/ 60.050 / 123.220 /0
 DST #: 7
 Recorder: N42

Shut-in #1
 Slope = 10514.62 kPag/cycle
 Extrapolated Pressure = 19303.19 kPag



PARAMOUNT ET AL FORT LIARD I-46
 00/ 60.050 / 123.220 / 0
 DST #: 7
 Recorder: N42

Shut-in #2
 Slope = 4696.68 kPag/cycle
 Extrapolated Pressure = 19241.65 kPag



PARAMOUNT ET AL FORT LIARD I-46

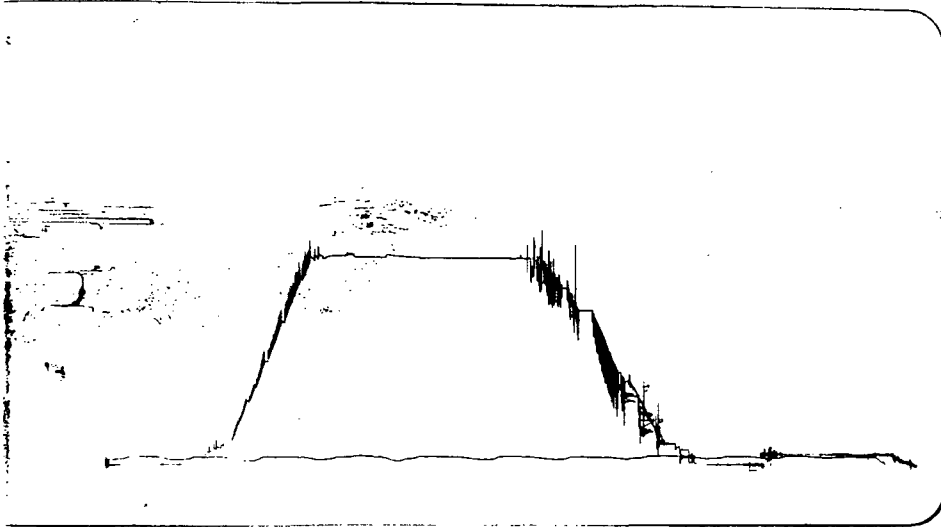
00/ 60.050 / 123.220 /0

DST# 7

Recorder# 20755

Depth: 1,905.00 m
Location: Inside

Recorder Type: K-3
Capacity: 44,100 kPag
Comments: Below Interval

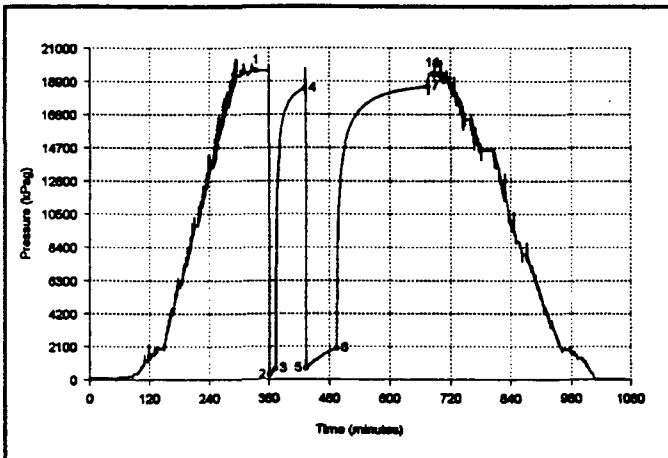


		Pressure (kPag)	Time (min)
1	Initial Hydrostatic	19868	
7	End of 2nd Shut-in	19655	179.5
14	Final Hydrostatic	19717	

Recorder# N42

Depth: 1,901.00 m
Temperature: 64.0 C
Location: Outside

Recorder Type: ZI
Capacity: 41,400 kPag



		Pressure (kPag)	Time (min)
1	Initial Hydrostatic	19551	
2	Start of 1st Flow	264	
3	End of 1st Flow	643	12.5
4	End of 1st Shut-in	18412	58.5
5	Start of 2nd Flow	693	
6	End of 2nd Flow	1954	61.0
7	End of 2nd Shut-in	18539	179.5
14	Final Hydrostatic	19344	

PARAMOUNT ET AL FORT LIARD I-46

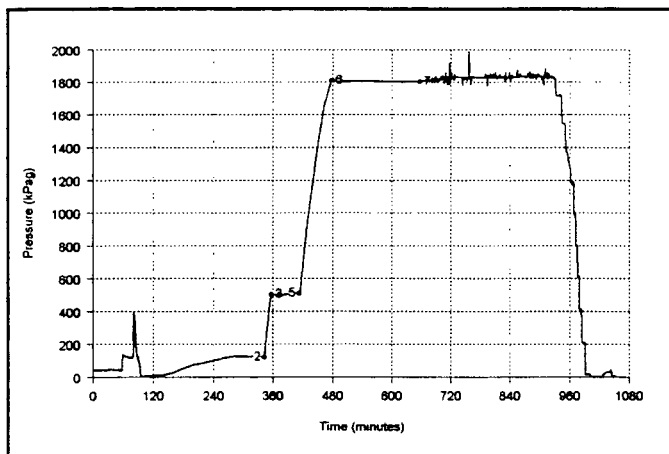
00/ 60.050 / 123.220 /0

DST# 7

Recorder# P99

Depth: 1,885.00 m
 Temperature: 62.7 C
 Location: Fluid Recovery

Recorder Type: ZI
 Capacity: 41,400 kPag
 Comments: Recovery recorder

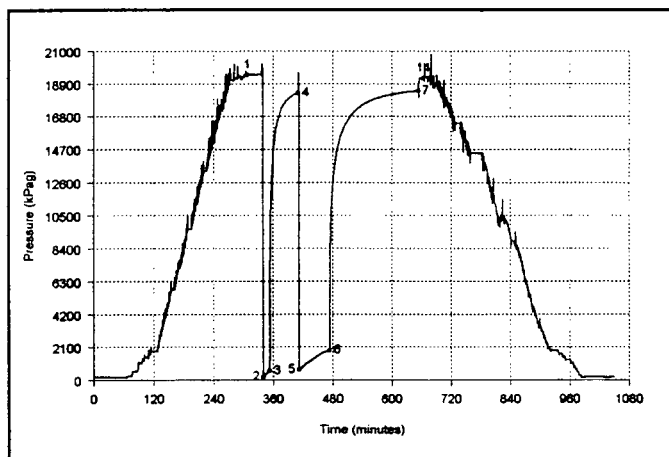


		Pressure (kPag)	Time (min)
2	Start of 1st Flow	121	
3	End of 1st Flow	501	12.5
5	Start of 2nd Flow	507	
6	End of 2nd Flow	1808	61.0
7	End of 2nd Shut-in	1802	179.5

Recorder# R85

Depth: 1,890.00 m
 Temperature: 63.3 C
 Location: Inside

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



		Pressure (kPag)	Time (min)
1	Initial Hydrostatic	19445	
2	Start of 1st Flow	190	
3	End of 1st Flow	547	12.5
4	End of 1st Shut-in	18311	58.5
5	Start of 2nd Flow	612	
6	End of 2nd Flow	1861	61.0
7	End of 2nd Shut-in	18436	179.5
14	Final Hydrostatic	19241	