



PARAMOUNT ET AL NETLA M-23
00/ 60.404 / 126.263 /0
DST# 3

Baker Oil Tools

Formation: Landry
Interval - from: 2,049.00 to: 2,081.00 meters

Test Date: 1999-01-19
Test Type : Inflate Straddle

Recorder# N4 at 2,052.00 meters

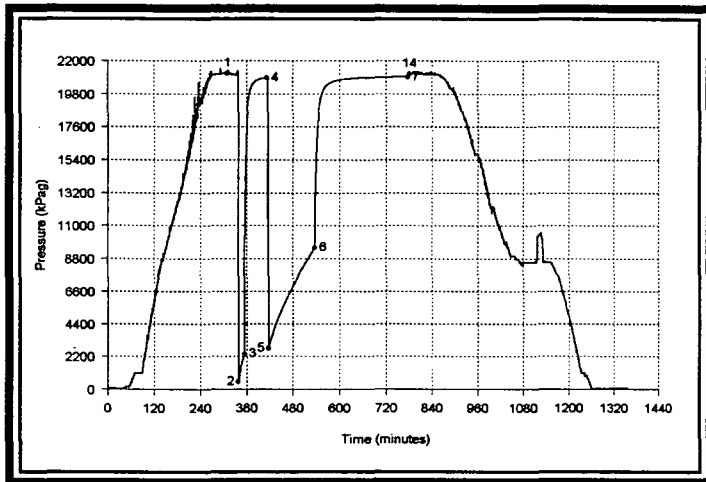
Blow Description:

PREFLOW: Weak air blow increasing to strong in 7.5 minutes then increasing throughout. No gas to surface.

FINAL FLOW: Weak air blow increasing to strong in 5 minutes then steady throughout. No gas to surface.

Remarks:

Mechanically successful test. Results suggest relatively high permeability within the interval tested. Unable to give an accurate break down of the recovery as the test was reverse circulated. After we started to reverse, it appeared to be mainly salt water with a chlorides level of 110,000. One mud tank sample taken.



Max Btm Hole Temperature @ FSI: 116.4 C

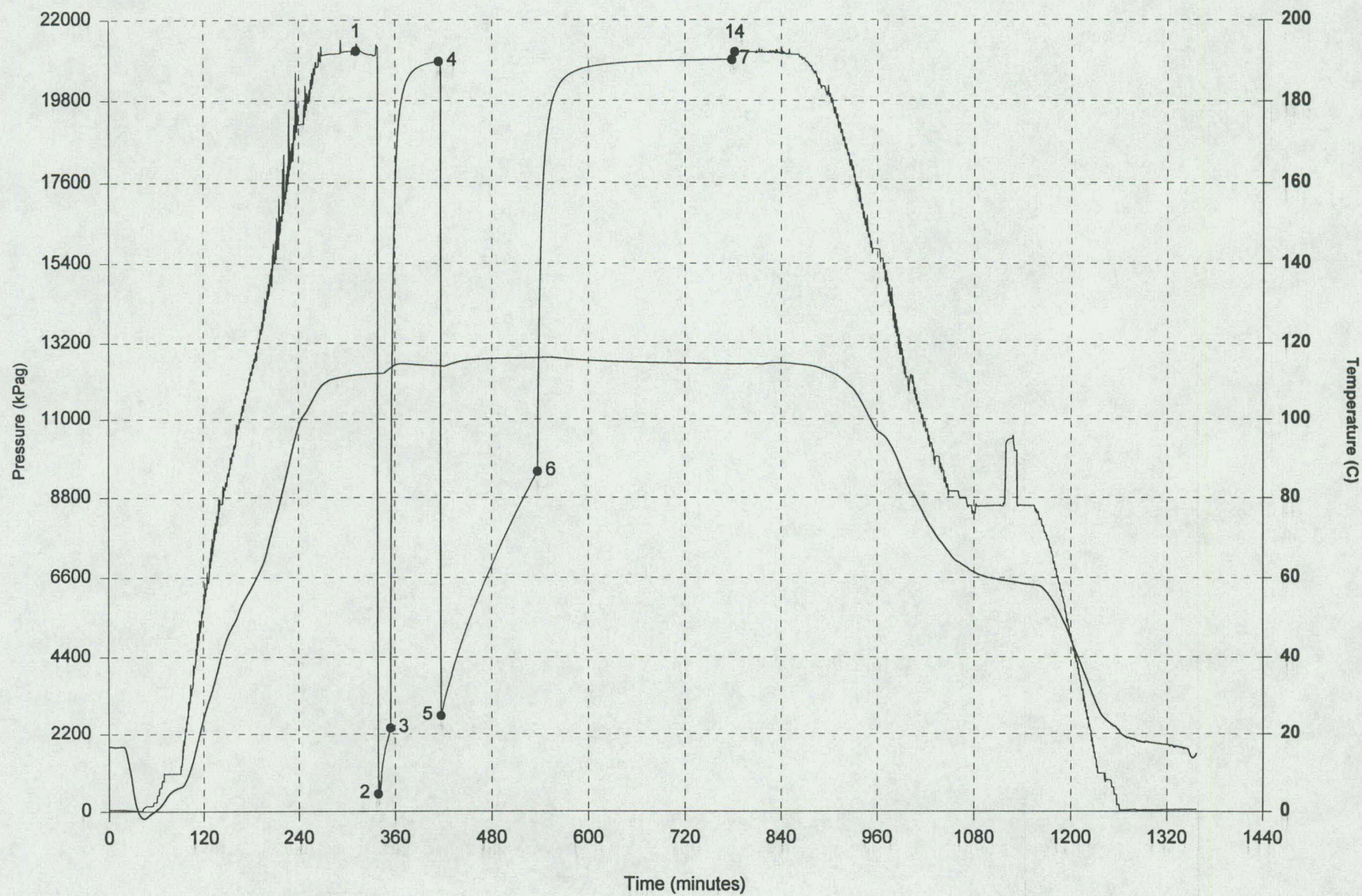
		Pressure (kPag)	Time (min)	Extrapolated Pressure (kPag)
1	Initial Hydrostatic	21144		
2	Start of 1st Flow	480		
3	End of 1st Flow	2364	15.5	
4	End of 1st Shut-in	20856	59.5	21075.5
5	Start of 2nd Flow	2723		
6	End of 2nd Flow	9519	120.0	
7	End of 2nd Shut-in	20908	241.0	21027.7
14	Final Hydrostatic	21118		

Liquid Recovery 830.00 meters

Recovery	Description
40.00 m	Drilling Mud
790.00 m	See remarks

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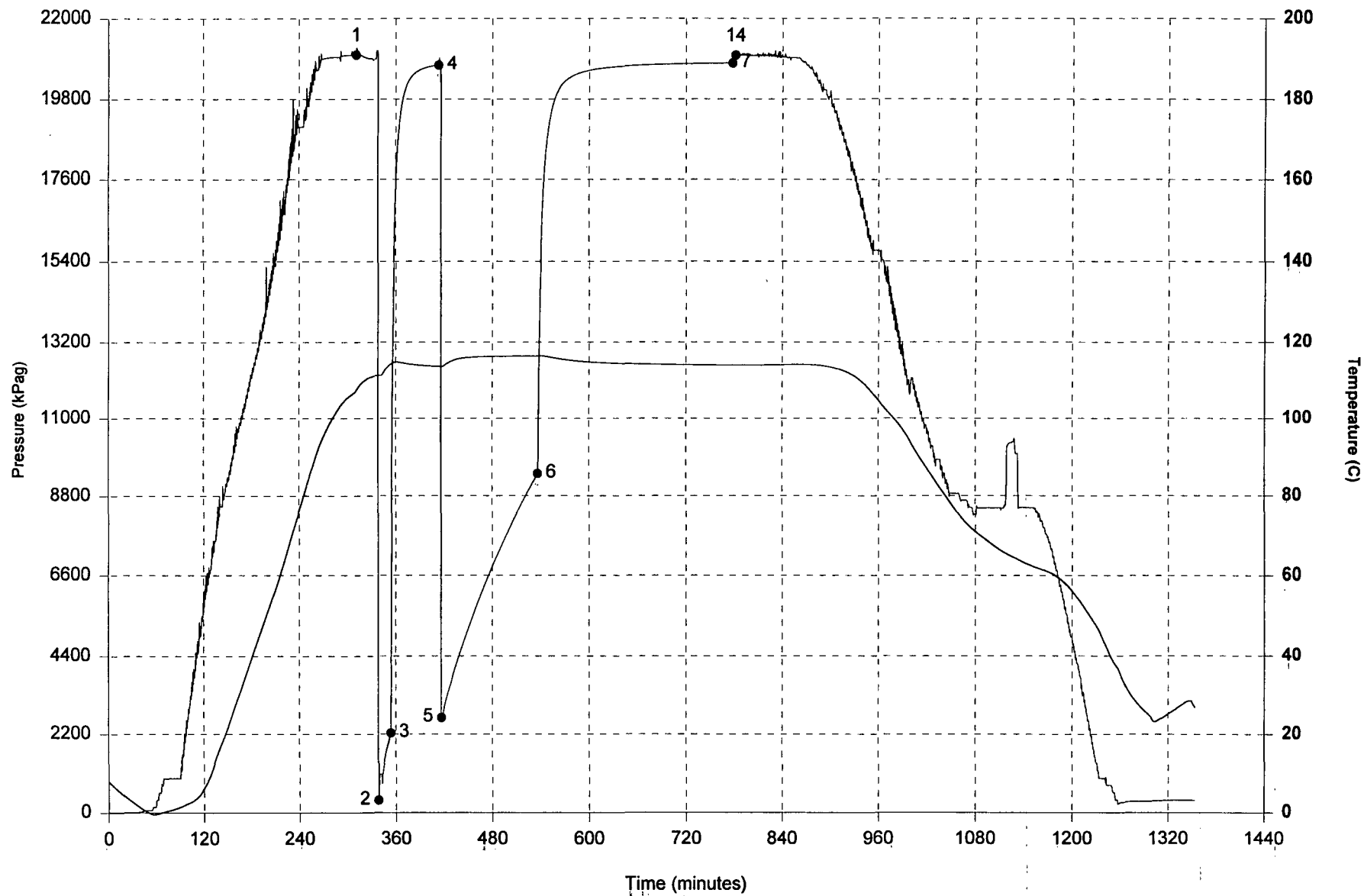
Pressure (kPag) at Critical Points:
1: 21144 4: 20856 7: 20908
2: 480 5: 2723 14: 21118
3: 2364 6: 9519



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Recorder: N2

Pressure (kPag) at Critical Points:
1: 21009 4: 20720 7: 20773
2: 343 5: 2656 14: 20986
3: 2228 6: 9431

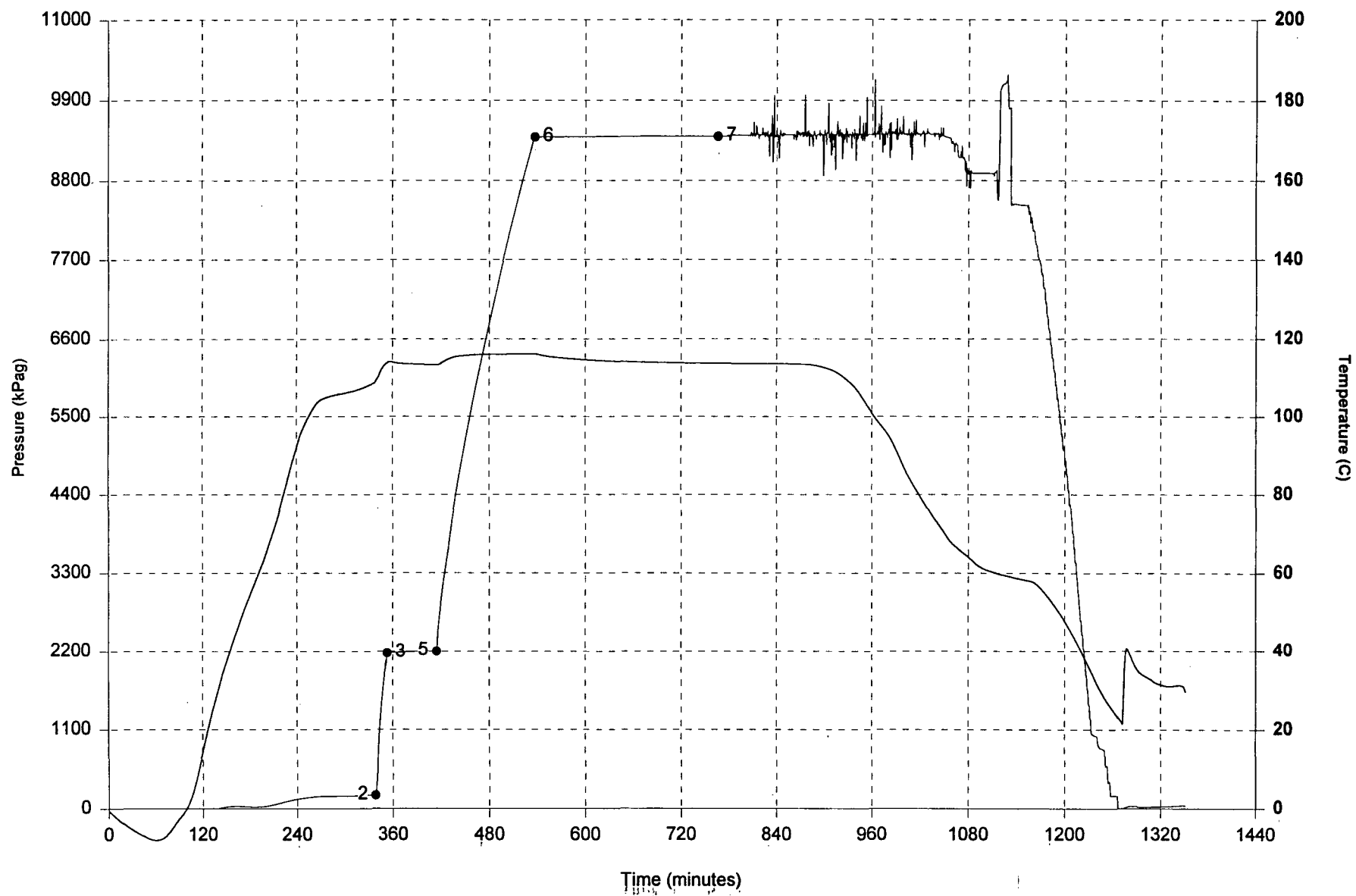
Above interval



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Recorder: M27

Pressure (kPag) at Critical Points:
2: 187 6: 9395
3: 2173 7: 9409
5: 2198

Recovery recorder



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General Information:

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

Licence#: 1835

Tester: Willis K

Ticket#: 808830

Reverse Circulated? N

KB Elevation: 278.25 meters

Ground Elevat'n: 273.10 meters

Total Depth: 2,280.00 meters

Mud Data:

Weight: 1002 kg/m3

Type: Invert

Viscosity: 53 s/l

Hole Data:

Drilled Hole Size: 156 mm

Hole Condition at Test Time: Fair

Conditioned prior to this test? N

Recorder Summary:

Recorder#	Type	Position	Capacity	Units	Depth	Comments
M27	ZI	Inside	68900	kPag	2,037.00	Recovery recorder Above interval
N2	ZI	Inside	68900	kPag	2,041.00	
22561	K-3	Outside	41200	kPag	2,052.00	
N4	ZI	Outside	68900	kPag	2,052.00	

Distributions:

Reports Sent To: Wayne Tomm

Fluid Samples - no of: 10 Sent To: AGAT

Bottom Hole Sampler#	Sent To
Yes	AGAT

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Tool Sequence:

<i>Diagram</i>	<i>Description</i>	<i>Length</i>
	Pump Out Sub	0.33 m
	Double Pin Sub	0.30 m
	Pump Out Sub	0.33 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
	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	2.06 m
	Cross Over Sub	0.30 m
	Drill Collar	28.32 m
	Cross Over Sub	0.30 m
	Packer Stick Up	0.42 m
	Bottom Inflate Packer	1.90 m
	Perforations	0.61 m
	Belly Spring	2.00 m

Tool String Length:	50.94 m
Drill Collar I.D.: 56 mm	86.14 m
Drill Pipe O.D.: 102 mm	1,952.37 m
Collar Pipe Total:	2,038.51 m
Stick Up:	3.30 m
Tool Above:	13.79 m
Interval Tested:	32.00 m
Bottom Hole Choke Size:	25.40 mm

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DST# 3
Recorder#N4

Build-up and Flow Curve Increments

Flow# 1

Shut-in# 1

Chart Label	Time (min)	Pressure (kPag)	Chart Label	Time (min)	Delta P (kPag)	Pressure (kPag)	Abscissa (T+dT)/dT	Used for Extrap
2	0.0	480		0.0		2364		
	1.0	791		1.5	9067	11431	11.3333	
	2.0	473		3.0	12307	14671	6.1667	
	3.0	696		4.5	14113	16477	4.4444	
	4.0	1125		6.0	15275	17639	3.5833	
	5.0	1310		7.5	16051	18414	3.0667	
	6.0	1414		9.0	16585	18948	2.7222	
	7.0	1551		10.5	16966	19329	2.4762	
	8.0	1672		12.0	17246	19610	2.2917	
	9.0	1794		13.5	17460	19823	2.1481	
	10.0	1884		15.0	17625	19989	2.0333	
	11.0	1970		16.5	17758	20121	1.9394	
	12.0	2052		18.0	17865	20228	1.8611	
	13.0	2142		19.5	17952	20315	1.7949	
	14.0	2230		21.0	18024	20388	1.7381	
	15.0	2316		22.5	18085	20448	1.6889	
3	15.5	2364		24.0	18134	20498	1.6458	
				25.5	18178	20541	1.6078	
				27.0	18215	20578	1.5741	
				28.5	18247	20610	1.5439	
				30.0	18274	20638	1.5167	
				31.5	18299	20662	1.4921	
				33.0	18320	20684	1.4697	
				34.5	18340	20703	1.4493	
				36.0	18357	20721	1.4306	
				37.5	18373	20736	1.4133	
				39.0	18386	20750	1.3974	
				40.5	18399	20763	1.3827	
				42.0	18410	20774	1.3690	
				43.5	18421	20784	1.3563	
				45.0	18430	20794	1.3444	
				46.5	18439	20803	1.3333	*
				48.0	18447	20811	1.3229	*
				49.5	18455	20818	1.3131	*
				51.0	18461	20825	1.3039	*
				52.5	18468	20832	1.2952	*
				54.0	18474	20837	1.2870	*
				55.5	18479	20843	1.2793	*
				57.0	18485	20848	1.2719	*
				58.5	18489	20853	1.2650	*
4				59.5	18492	20856	1.2605	*

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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Recorder#N4

Build-up and Flow Curve Increments

Flow# 2

Shut-in# 2

<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>
5	0.0	2723		0.0		9519		
	2.5	2957		5.0	7239	16758	28.1000	
	5.0	3208		10.0	9105	18625	14.5500	
	7.5	3421		15.0	9948	19467	10.0333	
	10.0	3611		20.0	10394	19913	7.7750	
	12.5	3799		25.0	10654	20173	6.4200	
	15.0	4031		30.0	10818	20337	5.5167	
	17.5	4217		35.0	10926	20446	4.8714	
	20.0	4393		40.0	11004	20523	4.3875	
	22.5	4573		45.0	11061	20581	4.0111	
	25.0	4740		50.0	11106	20625	3.7100	
	27.5	4902		55.0	11141	20661	3.4636	
	30.0	5058		60.0	11170	20689	3.2583	
	32.5	5213		65.0	11194	20714	3.0846	
	35.0	5366		70.0	11214	20734	2.9357	
	37.5	5514		75.0	11232	20751	2.8067	*
	40.0	5659		80.0	11247	20767	2.6938	*
	42.5	5801		85.0	11260	20780	2.5941	*
	45.0	5941		90.0	11272	20791	2.5056	*
	47.5	6081		95.0	11282	20801	2.4263	*
	50.0	6218		100.0	11292	20811	2.3550	*
	52.5	6354		105.0	11300	20819	2.2905	*
	55.0	6490		110.0	11307	20827	2.2318	*
	57.5	6621		115.0	11314	20834	2.1783	*
	60.0	6754		120.0	11320	20840	2.1292	*
	62.5	6882		125.0	11326	20845	2.0840	*
	65.0	7009		130.0	11331	20851	2.0423	*
	67.5	7135		135.0	11336	20855	2.0037	*
	70.0	7261		140.0	11341	20860	1.9679	*
	72.5	7384		145.0	11345	20864	1.9345	*
	75.0	7506		150.0	11348	20868	1.9033	*
	77.5	7627		155.0	11352	20871	1.8742	*
	80.0	7750		160.0	11355	20875	1.8469	*
	82.5	7869		165.0	11358	20878	1.8212	*
	85.0	7986		170.0	11361	20881	1.7971	*
	87.5	8103		175.0	11364	20883	1.7743	*
	90.0	8217		180.0	11366	20886	1.7528	*
	92.5	8330		185.0	11369	20888	1.7324	*
	95.0	8444		190.0	11371	20890	1.7132	*
	97.5	8557		195.0	11373	20893	1.6949	*
	100.0	8668		200.0	11375	20895	1.6775	*
	102.5	8777		205.0	11377	20897	1.6610	*
	105.0	8886		210.0	11379	20898	1.6452	*
	107.5	8995		215.0	11381	20900	1.6302	*
	110.0	9102		220.0	11382	20902	1.6159	*
				225.0	11384	20903	1.6022	*

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Recorder#N4

Build-up and Flow Curve Increments

Flow# 2

<i>Chart Label</i>	<i>Time (min)</i>	<i>Pressure (kPag)</i>
6	112.5	9207
	115.0	9312
	117.5	9416
	120.0	9519

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	230.0	11385	20905	1.5891	*
	235.0	11387	20906	1.5766	*
	240.0	11388	20908	1.5646	*
	241.0	11389	20908	1.5622	*

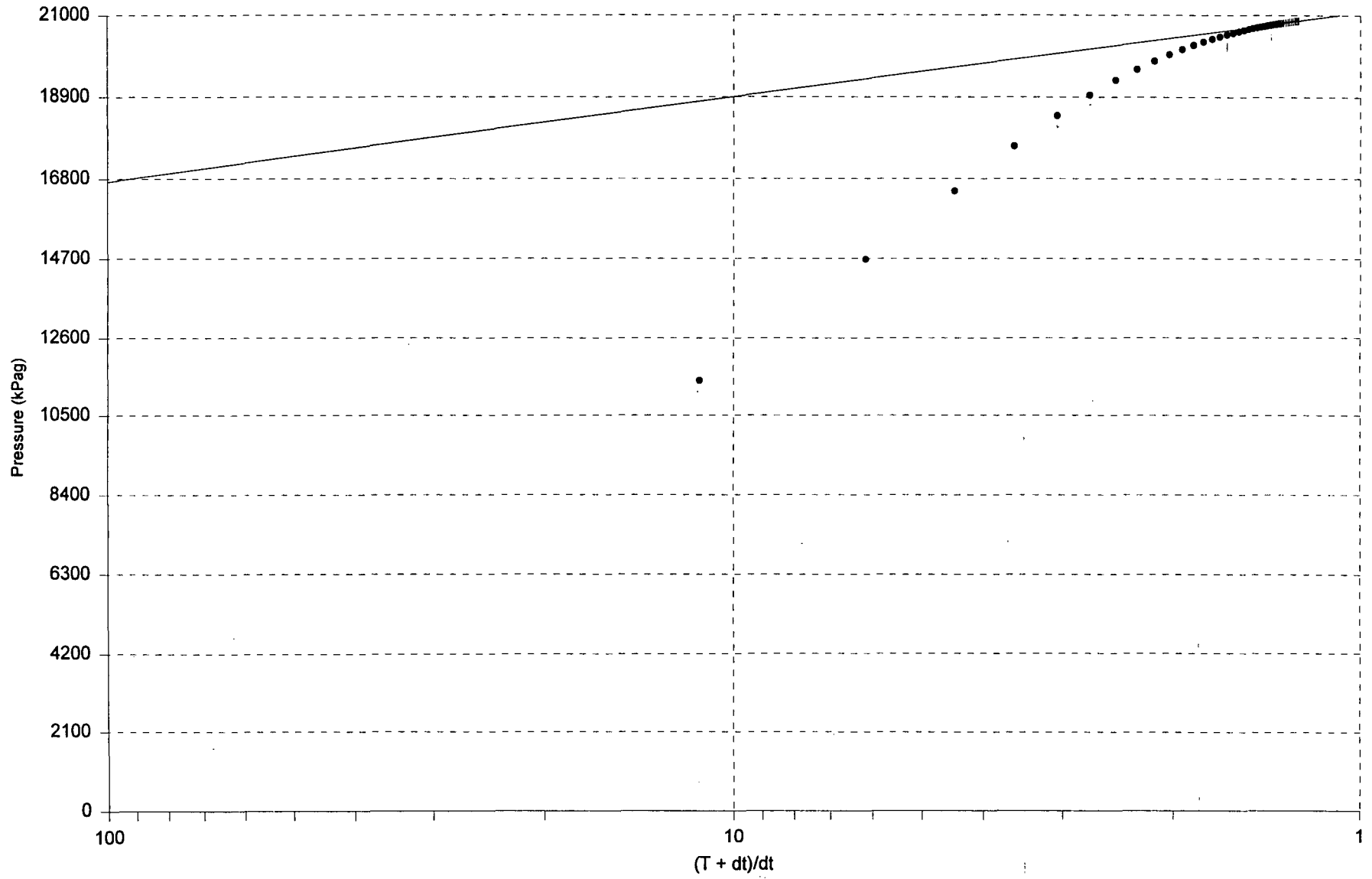
Horner Extrapolation:

<i>Shut-in#</i>	<i>Extrapolated Pressure (kPag)</i>	<i>Extrapolated Slope ((kPag/cycle)</i>
1	21075.5	2,176.79130
2	21027.7	587.63927

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

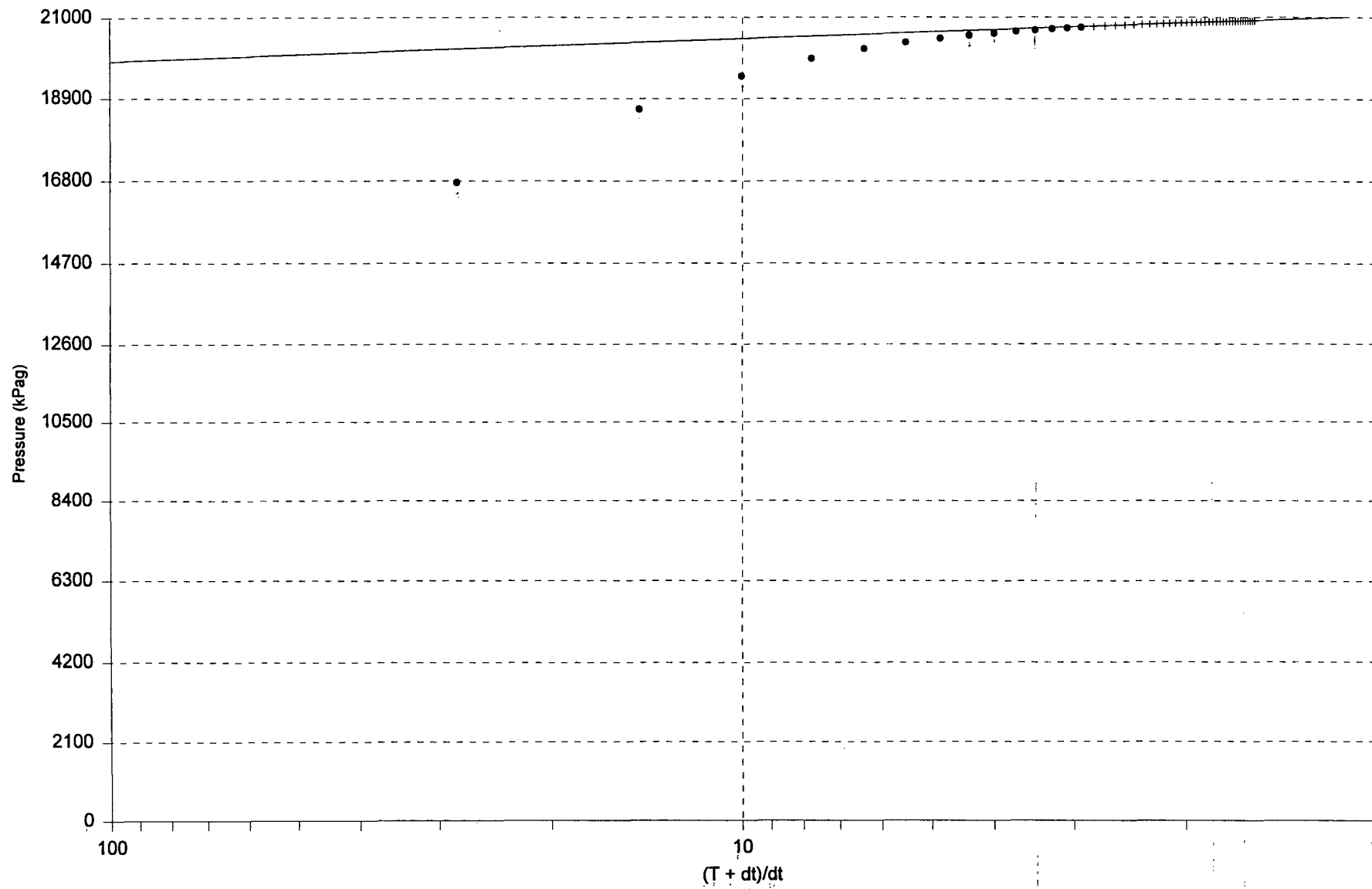
PARAMOUNT ET AL NETLA M-23
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 Recorder: N4

Shut-in #1
 Slope = 2176.79 kPag/cycle
 Extrapolated Pressure = 21075.46 kPag



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 Recorder: N4

Shut-in #2
 Slope = 587.64 kPag/cycle
 Extrapolated Pressure = 21027.68 kPag



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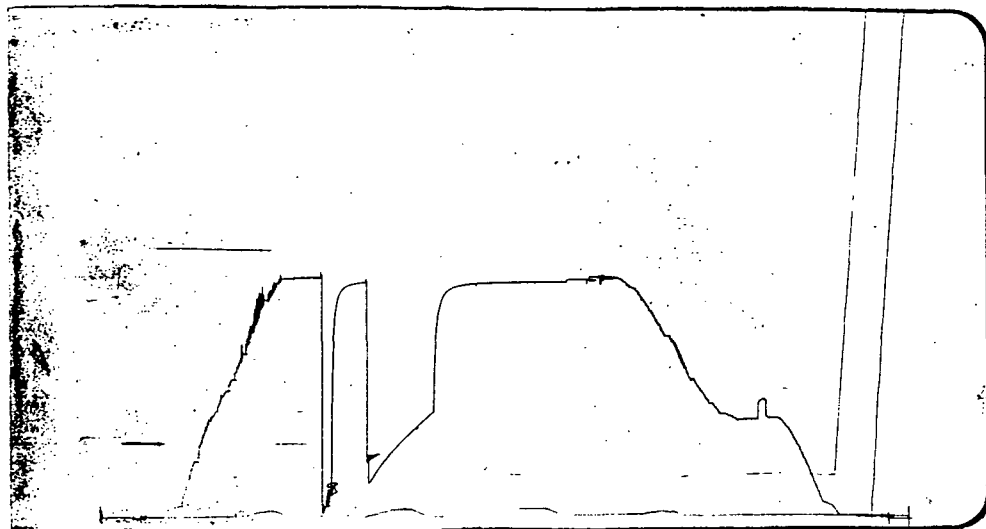
Recorder# 22561

Depth: 2,052.00 m

Location: Outside

Recorder Type: K-3

Capacity: 41,200 kPag



		Pressure (kPag)	Time (min)
1	Initial Hydrostatic	21219	
2	Start of 1st Flow	1081	
3	End of 1st Flow	2356	15.5
4	End of 1st Shut-in	20770	59.5
5	Start of 2nd Flow	3133	
6	End of 2nd Flow	9465	120.0
7	End of 2nd Shut-in	20781	241.0
14	Final Hydrostatic	21219	

Recorder# M27

Depth: 2,037.00 m

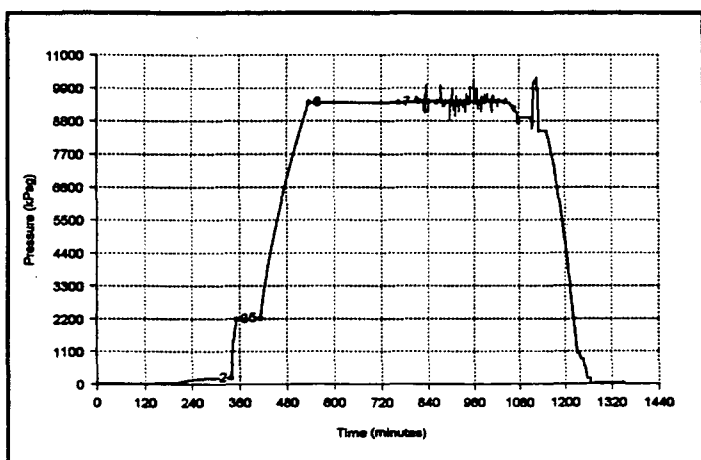
Temperature: 116.4 C

Location: Inside

Recorder Type: ZI

Capacity: 68,900 kPag

Comments: Recovery recorder



		Pressure (kPag)	Time (min)
2	Start of 1st Flow	187	
3	End of 1st Flow	2173	15.5
5	Start of 2nd Flow	2198	
6	End of 2nd Flow	9395	120.0
7	End of 2nd Shut-in	9409	241.0

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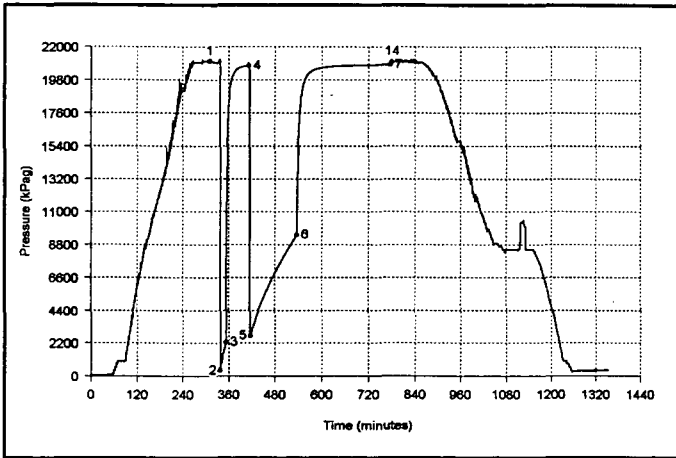
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DST# 3

Recorder# N2

Depth: 2,041.00 m
 Temperature: 116.4 C
 Location: Inside

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

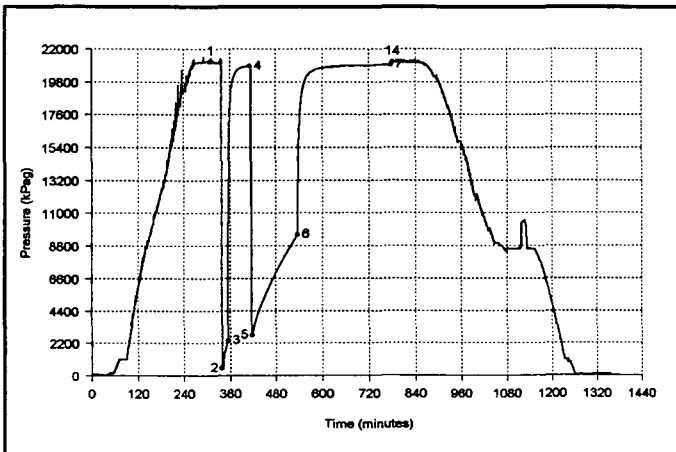


		Pressure (kPag)	Time (min)
1	Initial Hydrostatic	21009	
2	Start of 1st Flow	343	
3	End of 1st Flow	2228	15.5
4	End of 1st Shut-in	20720	59.5
5	Start of 2nd Flow	2656	
6	End of 2nd Flow	9431	120.0
7	End of 2nd Shut-in	20773	241.0
14	Final Hydrostatic	20986	

Recorder# N4

Depth: 2,052.00 m
 Temperature: 116.4 C
 Location: Outside

Recorder Type: ZI
 Capacity: 68,900 kPag



		Pressure (kPag)	Time (min)
1	Initial Hydrostatic	21144	
2	Start of 1st Flow	480	
3	End of 1st Flow	2364	15.5
4	End of 1st Shut-in	20856	59.5
5	Start of 2nd Flow	2723	
6	End of 2nd Flow	9519	120.0
7	End of 2nd Shut-in	20908	241.0
14	Final Hydrostatic	21118	