

Chevron Canada Resources

Flow & Build-Up
Chevron et al Liard K-29
K-29
Jun 20, 01 to Jun 27, 01

Service Company Contact Info

Report Writer	Vio Tandara, 1-403-347-2524	Service Company	Lee Tool, Div. of Schlumberger
Operator	Cody Green, 1-403-347-2524	Job ID	K-29ChevronExt1
		Test Date	Jun 20, 01 to Jun 27, 01

Gauge: Lee Memory Recorder Model 3000s (Quartz)
Manufacturer: Lee Tool, Division of Schlumberger Canada Limited

Flow & Build-Up

Chevron Canada Resources
Northwest Territories, Canada

Jun 20, 01 to Jun 27, 01

Chevron et al Liard K-29

K-29

Ft. Liard, Nahanni

Well			
Client	Chevron Canada Resources		Province Northwest Territories Country Canada
Well Name	Chevron et al Liard K-29		Deviated Well No Well Status Gas
Well No.	K-29		KB Elevation 418.80 m CF Elevation 409.60 m
Field	Ft. Liard	Pool Nahanni	Pool Datum 2500.00 mSS

Test							
Test Name		Flow & Build-Up			Atmospheric 101.26 KPa A		
Test Start (mm/dd/yy)		Test Finish		Casing ID		Tubing ID	
06/20/01 10:34 AM		06/27/01 11:00 AM					
On Bottom		Off Bottom		C. Pres. Before		T. Pres. Before	
06/20/01 11:43 AM		06/27/01 09:38 AM					
Shut In		ET0		C. Pres. After		T. Pres. After	
06/23/01 07:00 AM		06/20/01 10:34 AM					
	Meas. Depth [mCF]	TVD [mCF]	Est. Pressure [KPa G]	Est. Gradient [KPa/m]	Est. Temperature [DegC]	Grad. Threshold	
Well Datum		2918.80				Grad. Recorder	
Landed Depth	2452.79	2452.79					
Avg. MPP Depth	2740.80	2740.80					
Operator				Service Company			
Cody Green, 1-403-347-2524				Lee Tool, Div. of Schlumberger			
Remarks							
9453q-16e bottom & 774 top recorder.							

Depth References		
Depth Reference	Offset [m]	Elevation [mMSL]
Casing Flange (CF)		409.60
Kelly Bushing (KB)	CF + 9.20	418.80

Perforations							
	Intvl. Top MD, [mKB]	Intvl. Bottom MD, [mKB]	Intvl. Top MD, [mCF]	Intvl. Bottom MD, [mCF]	MPP TVD, [mCF]	Pressure	Gradient
Interval 1	2500.00	3000.00	2490.80	2990.80	2740.80		

Top Recorder			
Model	WCQR-B	Serial	774
Max. Rated Press.		Latest Calibration	
		Max. Rated Temp.	

Bottom Recorder			
Model	LMR-5000S	Serial	9453Q-16E
Max. Rated Press.	110212.74 KPa G	Latest Calibration	12/20/00
		Max. Rated Temp.	174.99 DegC

Tool Summary

Chevron Canada Resources
Northwest Territories, Canada

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Top Recorder				
Tool	WCQR-B	Serial	774	Latest Calibration
Landed Depth	2448.79 mCF MD	Depth Offset	-4.00 m	Battery Serial
				-999.25 V

Program												
Intervals					Expected Samples			Actual Samples				
Mode	Interval [d hh:mm:ss]	Rate [hh:mm:ss]	Delta []	Periodic [hh:mm:ss]	Regular Samples	Percent Storage	Energy [Ahr]	Regular Samples	Delta Samples	Percent Storage	Energy [Ahr]	Duration [d hh:mm:ss]
Totals:					0	0.0%	0.0000					

Bottom Recorder				
Tool	LMR-5000S	Serial	9453Q-16E	Latest Calibration
Landed Depth	2452.79 mCF MD	Depth Offset	0.00 m	Battery Serial
				12/20/00
				165 C
				7.38 V

Program: ChevronExt060701												
Intervals					Expected Samples			Actual Samples				
Mode	Interval [d hh:mm:ss]	Rate [hh:mm:ss]	Delta [KPa]	Periodic [hh:mm:ss]	Regular Samples	Percent Storage	Energy [Ahr]	Regular Samples	Delta Samples	Percent Storage	Energy [Ahr]	Duration [d hh:mm:ss]
HB	10:00	1			600	0.2%	0.0022	600		0.2%	0.0022	10:00
HB	60	15			345600	98.9%	10.6596	30311		8.7%	0.9349	5 6:17:45
HB	30	30:00			1440	0.4%	5.0424					
Totals:	90	10:00			347640	99.5%	15.7042	30911		8.8%	0.9371	5 6:27:45

Calibration Summary

Chevron Canada Resources
Northwest Territories, Canada

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Top Recorder				
Tool	WCQR-B	Serial	774	Latest Calibration
Landed Depth	2448.79 mCF MD			Depth Offset
				-4.00 m
				Battery Serial
				Min. Battery
				-999.25 V

Equations				
FP = Pres Freq (Hz)				
FT = Temp Freq (Hz)				
XP = 0.000000e+000 + (0.000000e+000) FP				
XT = 0.000000e+000 + (0.000000e+000) FT				

Bottom Recorder				
Tool	LMR-5000S	Serial	9453Q-16E	Latest Calibration
Landed Depth	2452.79 mCF MD			Depth Offset
				0.00 m
				Battery Serial
				165 C
				Min. Battery
				7.38 V

Equations				
FP = Pres Freq (Hz)				
FT = Temp Freq (Hz)				
XP = 1.999600e+004 + (1.000000e-002) FP				
XT = 5.242800e+004 + (1.000000e-002) FT				
$P_0 = 1.939051e+001 + (-1.119656e+000) XT + (-2.223361e-002) XT^2 + (-2.935334e-006) XT^3 + (-2.560140e-008) XT^4$				
$P_1 = 4.169491e+001 + (-2.080114e-002) XT + (4.905284e-005) XT^2 + (1.273992e-007) XT^3 + (4.276876e-010) XT^4$				
$P_2 = -1.872638e-003 + (7.254553e-006) XT + (-1.393672e-007) XT^2 + (-8.332614e-010) XT^3 + (-2.120485e-012) XT^4$				
$P_3 = 6.074382e-007 + (2.230804e-009) XT + (1.912536e-010) XT^2 + (1.344892e-012) XT^3 + (3.230637e-015) XT^4$				
Pressure (psiA) = $P_0 + P_1 XP + P_2 XP^2 + P_3 XP^3$				
$T_0 = 2.545857e+001$				
$T_1 = -7.407316e-001$				
$T_2 = -8.663912e-004$				
$T_3 = -6.507413e-007$				
Temperature (degC) = $T_0 + T_1 XT + T_2 XT^2 + T_3 XT^3$				

Recorded Data

Chevron Canada Resources
Northwest Territories, Canada

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Data							
	9453Q-16E	9453Q-16E	774	9453Q-16E vs 774	9453Q-16E	774	
	Real Time (mmm dd,yy 24 hr)	Elapsed Time (HHH:MM:SS)	Pressure (KPa G)	Pressure (KPa G)	Press. Diff. (KPa)	Temperature (DegC)	Temperature (DegC)
Jun 20, 01	10:34:00	00:00:00		-9.7395			16.9800
	10:49:00	00:15:00	4.1617	-4.5464	8.7080	23.7335	22.0800
	11:04:00	00:30:00	-0.1257	-4.5195	4.3938	25.3734	22.5700
	11:19:00	00:45:00	21762.7445	22124.3401	-361.5956	66.0325	118.4300
	11:34:00	01:00:00	24162.1194	24646.2731	-484.1537	130.2777	145.4500
	11:49:00	01:15:00	25237.3195	25304.3667	-67.0472	149.5819	152.4400
	12:04:00	01:30:00	25299.6934	25309.4888	-9.7953	152.2148	152.5500
	12:19:00	01:45:00	25311.6276	25313.9241	-2.2965	152.5249	152.5400
	12:34:00	02:00:00	25311.8167	25317.8886	-6.0719	152.5328	152.5100
	12:49:00	02:15:00	25291.4666	25294.0833	-2.6167	152.4554	152.4300
	13:04:00	02:30:00	24989.2248	24984.5464	4.6784	152.8004	152.8200
	13:19:00	02:45:00	24938.2481	24929.3626	8.8855	152.9677	152.9100
	13:34:00	03:00:00	24886.8854	24879.1064	7.7789	153.0074	152.9200
	13:49:00	03:15:00	24842.0038	24840.9181	1.0857	152.9984	152.8900
	14:04:00	03:30:00	24804.9423	24793.5687	11.3736	152.9733	152.8600
	14:19:00	03:45:00	24701.4356	24676.9635	24.4721	152.9142	152.7700
	14:34:00	04:00:00	24504.8104	24474.5275	30.2829	152.7970	152.6500
	14:49:00	04:15:00	24362.5426	24377.6542	-15.1116	152.7094	152.6300
	15:04:00	04:30:00	24338.0248	24352.3569	-14.3321	152.7139	152.6000
	15:19:00	04:45:00	24293.5755	24291.4484	2.1271	152.6752	152.6500
	15:34:00	05:00:00	24233.4794	24237.1906	-3.7112	152.8823	152.8800
	15:49:00	05:15:00	24115.2247	24127.0057	-11.7809	153.1268	153.2100
	16:04:00	05:30:00	24118.7840	24107.0366	11.7474	153.3358	153.2800
	16:19:00	05:45:00	24108.2501	24098.1500	10.1001	153.3880	153.3200
	16:34:00	06:00:00	24086.3866	24090.9691	-4.5825	153.4198	153.3400
	16:49:00	06:15:00	24085.9707	24083.6594	2.3113	153.4448	153.3700
	17:04:00	06:30:00	24088.7471	24089.0441	-0.2970	153.4629	153.3800
	17:19:00	06:45:00	24086.3318	24083.9055	2.4263	153.4788	153.4000
	17:34:00	07:00:00	24088.6916	24090.9623	-2.2707	153.4913	153.4100
	17:49:00	07:15:00	24075.7852	24087.2619	-11.4766	153.4992	153.4200
	18:04:00	07:30:00	24084.1412	24082.9134	1.2278	153.5083	153.4200
	18:19:00	07:45:00	24081.3526	24078.7304	2.6223	153.5140	153.4300
	18:34:00	08:00:00	24085.7413	24084.4364	1.3048	153.5231	153.4400
	18:49:00	08:15:00	24084.3188	24084.6171	-0.2982	153.5242	153.4400
	19:04:00	08:30:00	24088.6530	24080.4265	8.2266	153.5310	153.4400
	19:19:00	08:45:00	24083.5718	24084.0558	-0.4840	153.5344	153.4500
	19:34:00	09:00:00	24080.3217	24075.3857	4.9359	153.5378	153.4500
	19:49:00	09:15:00	24085.3136	24083.7800	1.5336	153.5424	153.4600
	20:04:00	09:30:00	24080.8444	24075.9856	4.8588	153.5469	153.4500
	20:19:00	09:45:00	24080.5918	24082.8734	-2.2816	153.5480	153.4600
	20:34:00	10:00:00	24080.4426	24077.5569	2.8858	153.5503	153.4700
	20:49:00	10:15:00	24076.9380	24074.8845	2.0535	153.5537	153.4600
	21:04:00	10:30:00	24075.5172	24072.5100	3.0072	153.5560	153.4600
	21:19:00	10:45:00	24077.0467	24076.4289	0.6177	153.5582	153.4700
	21:34:00	11:00:00	24067.6852	24069.4460	-1.7607	153.5571	153.4700
	21:49:00	11:15:00	24068.4534	24077.3183	-8.8650	153.5605	153.4700
	22:04:00	11:30:00	24075.8344	24080.8360	-5.0016	153.5639	153.4800
	22:19:00	11:45:00	24078.7865	24078.5966	0.1899	153.5650	153.4800
	22:34:00	12:00:00	24078.8917	24081.2890	-2.3973	153.5673	153.4900
	22:49:00	12:15:00	24082.4067	24075.4464	6.9603	153.5707	153.4800

Data							
	9453Q-16E	9453Q-16E	774	9453Q-16E vs 774	9453Q-16E	774	
	Real Time (mmm dd,yy 24 hr)	Elapsed Time (HHH:MM:SS)	Pressure (KPa G)	Pressure (KPa G)	Press. Diff. (KPa)	Temperature (DegC)	Temperature (DegC)
Jun 21, 01	23:04:00	12:30:00	24081.9015	24077.4866	4.4149	153.5730	153.4800
	23:19:00	12:45:00	24075.6429	24076.6027	-0.9598	153.5719	153.4900
	23:34:00	13:00:00	24071.6768	24076.1697	-4.4929	153.5730	153.4900
	23:49:00	13:15:00	24082.0592	24083.3264	-1.2671	153.5764	153.4900
	00:04:00	13:30:00	24080.1262	24078.9482	1.1780	153.5764	153.4900
	00:19:00	13:45:00	24084.5552	24089.2151	-4.6599	153.5787	153.5000
	00:34:00	14:00:00	24078.5018	24083.6353	-5.1335	153.5787	153.4900
	00:49:00	14:15:00	24084.7113	24082.9789	1.7324	153.5809	153.5000
	01:04:00	14:30:00	24081.7117	24077.1935	4.5181	153.5821	153.4900
	01:19:00	14:45:00	24083.5464	24080.8670	2.6793	153.5843	153.4900
	01:34:00	15:00:00	24081.9694	24082.8541	-0.8847	153.5843	153.5000
	01:49:00	15:15:00	24085.6337	24083.1699	2.4639	153.5855	153.5100
	02:04:00	15:30:00	24085.4828	24084.7887	0.6941	153.5866	153.5000
	02:19:00	15:45:00	24082.8936	24082.9051	-0.0115	153.5900	153.5000
	02:34:00	16:00:00	24080.4518	24081.7661	-1.3143	153.5900	153.5000
	02:49:00	16:15:00	24088.3384	24081.9495	6.3889	153.5911	153.5000
	03:04:00	16:30:00	24079.7413	24079.1503	0.5910	153.5911	153.5000
	03:19:00	16:45:00	24081.2199	24084.3599	-3.1400	153.5934	153.5100
	03:34:00	17:00:00	24081.2708	24081.8219	-0.5512	153.5934	153.5100
	03:49:00	17:15:00	24084.3247	24079.9804	4.3443	153.5945	153.5100
	04:04:00	17:30:00	24085.4455	24085.4975	-0.0520	153.5957	153.5100
	04:19:00	17:45:00	24080.6637	24085.6699	-5.0062	153.5957	153.5100
	04:34:00	18:00:00	24086.9767	24088.2692	-1.2925	153.5991	153.5100
	04:49:00	18:15:00	24085.4998	24083.7980	1.7018	153.5979	153.5100
	05:04:00	18:30:00	24086.0136	24081.4648	4.5488	153.6013	153.5100
	05:19:00	18:45:00	24083.7227	24080.5609	3.1618	153.6002	153.5100
	05:34:00	19:00:00	24081.5352	24079.1985	2.3367	153.6002	153.5200
	05:49:00	19:15:00	24081.9422	24086.3421	-4.3999	153.6002	153.5200
	06:04:00	19:30:00	24083.0664	24079.7549	3.3115	153.6036	153.5200
	06:19:00	19:45:00	24084.1856	24079.1406	5.0450	153.6036	153.5200
	06:34:00	20:00:00	24079.6597	24085.5885	-5.9288	153.6047	153.5100
	06:49:00	20:15:00	24083.4767	24086.7461	-3.2694	153.6059	153.5200
	07:04:00	20:30:00	24083.2224	24083.0340	0.1883	153.6059	153.5200
	07:19:00	20:45:00	24085.4624	24083.2326	2.2298	153.6070	153.5200
	07:34:00	21:00:00	24089.8390	24086.8337	3.0053	153.6081	153.5200
	07:49:00	21:15:00	24087.4989	24086.9585	0.5404	153.6081	153.5200
	08:04:00	21:30:00	24083.5326	24081.1994	2.3332	153.6093	153.5200
	08:19:00	21:45:00	24083.4309	24083.9876	-0.5567	153.6093	153.5300
	08:34:00	22:00:00	24080.9907	24083.4250	-2.4343	153.6104	153.5200
	08:49:00	22:15:00	24082.9221	24085.1645	-2.2424	153.6093	153.5300
	09:04:00	22:30:00	24057.0265	24027.9192	29.1074	153.6081	153.5000
	09:19:00	22:45:00	23839.6936	23804.8853	34.8083	153.5730	153.4700
	09:34:00	23:00:00	23740.1827	23740.8639	-0.6812	153.5832	153.5100
	09:49:00	23:15:00	23744.5905	23738.4342	6.1563	153.6172	153.5400
	10:04:00	23:30:00	23713.5063	23707.7686	5.7376	153.6252	153.5400
	10:19:00	23:45:00	23674.5246	23668.3675	6.1571	153.6229	153.5300
	10:34:00	24:00:00	23634.4209	23627.4378	6.9831	153.6184	153.5300
	10:49:00	24:15:00	23595.8942	23590.2609	5.6333	153.6138	153.5200
	11:04:00	24:30:00	23535.2236	23525.1728	10.0508	153.6002	153.5100
	11:19:00	24:45:00	23473.9924	23466.6561	7.3363	153.5855	153.5000
	11:34:00	25:00:00	23416.1710	23398.5351	17.6359	153.5707	153.4800
	11:49:00	25:15:00	23349.7469	23333.2161	16.5308	153.5514	153.4600
	12:04:00	25:30:00	23281.8477	23262.3393	19.5084	153.5333	153.4300
	12:19:00	25:45:00	23213.5404	23196.4308	17.1097	153.5095	153.4100
	12:34:00	26:00:00	23149.1026	23137.9375	11.1651	153.4868	153.3900
	12:49:00	26:15:00	23079.6271	23056.9489	22.6781	153.4595	153.3600
	13:04:00	26:30:00	23006.6413	22991.5361	15.1052	153.4323	153.3300

Data							
9453Q-16E	9453Q-16E	774	9453Q-16E vs 774	9453Q-16E	774		
Real Time (mmm dd,yy 24 hr)	Elapsed Time (HHH:MM:SS)	Pressure (KPa G)	Pressure (KPa G)	Press. Diff. (KPa)	Temperature (DegC)	Temperature (DegC)	Comments
13:19:00	26:45:00	22985.3161	22974.4566	10.8595	153.4221	153.3300	
13:34:00	27:00:00	22977.5800	22969.8502	7.7297	153.4198	153.3300	
13:49:00	27:15:00	22983.8403	22979.0009	4.8394	153.4198	153.3300	
14:04:00	27:30:00	22967.2481	22965.7872	1.4609	153.4164	153.3200	
14:19:00	27:45:00	22967.8086	22959.5696	8.2391	153.4107	153.3200	
14:34:00	28:00:00	22968.9794	22962.4846	6.4947	153.4096	153.3200	
14:49:00	28:15:00	22966.2313	22958.2120	8.0193	153.4062	153.3200	
15:04:00	28:30:00	22961.4982	22954.0910	7.4072	153.4028	153.3100	
15:19:00	28:45:00	22962.3638	22954.4420	7.9218	153.3994	153.3100	
15:34:00	29:00:00	22955.9511	22949.3165	6.6347	153.3971	153.3000	
15:49:00	29:15:00	22959.0053	22948.2498	10.7555	153.3926	153.3100	
16:04:00	29:30:00	22959.8706	22945.9208	13.9497	153.3926	153.3000	
16:19:00	29:45:00	22948.9282	22944.8446	4.0836	153.3903	153.3000	
16:34:00	30:00:00	22952.1349	22942.0846	10.0503	153.3880	153.3000	
16:49:00	30:15:00	22947.8090	22944.9045	2.9044	153.3858	153.3000	
17:04:00	30:30:00	22948.9798	22942.2115	6.7683	153.3835	153.2900	
17:19:00	30:45:00	22949.9469	22939.6673	10.2796	153.3824	153.2900	
17:34:00	31:00:00	22951.1685	22947.7658	3.4027	153.3812	153.2900	
17:49:00	31:15:00	22949.0820	22939.7432	9.3389	153.3789	153.2900	
18:04:00	31:30:00	22946.3847	22939.9797	6.4051	153.3778	153.2900	
18:19:00	31:45:00	22947.4027	22941.0428	6.3599	153.3767	153.2800	
18:34:00	32:00:00	22948.0136	22941.6709	6.3426	153.3755	153.2900	
18:49:00	32:15:00	22946.2832	22939.9948	6.2884	153.3744	153.2800	
19:04:00	32:30:00	22945.3164	22939.7328	5.5835	153.3733	153.2800	
19:19:00	32:45:00	22945.9781	22943.9813	1.9968	153.3721	153.2800	
19:34:00	33:00:00	22944.6549	22940.0631	4.5919	153.3710	153.2800	
19:49:00	33:15:00	22945.8256	22941.2765	4.5491	153.3699	153.2800	
20:04:00	33:30:00	22946.9962	22938.6117	8.3844	153.3699	153.2800	
20:19:00	33:45:00	22943.3320	22938.6007	4.7313	153.3676	153.2800	
20:34:00	34:00:00	22943.3321	22933.7399	9.5922	153.3665	153.2800	
20:49:00	34:15:00	22940.8893	22936.5240	4.3653	153.3653	153.2800	
21:04:00	34:30:00	22941.8055	22934.6369	7.1685	153.3642	153.2700	
21:19:00	34:45:00	22933.4081	22932.8278	0.5803	153.3631	153.2700	
21:34:00	35:00:00	22941.9073	22939.9341	1.9731	153.3642	153.2700	
21:49:00	35:15:00	22941.0932	22932.5547	8.5384	153.3619	153.2700	
22:04:00	35:30:00	22938.7522	22935.6263	3.1258	153.3608	153.2700	
22:19:00	35:45:00	22940.1774	22932.5416	7.6357	153.3585	153.2700	
22:34:00	36:00:00	22943.5363	22934.8272	8.7090	153.3597	153.2700	
22:49:00	36:15:00	22942.3656	22929.5597	12.8059	153.3608	153.2700	
23:04:00	36:30:00	22943.7907	22935.2457	8.5450	153.3597	153.2700	
23:19:00	36:45:00	22941.7043	22938.7421	2.9622	153.3574	153.2700	
23:34:00	37:00:00	22940.3303	22934.4425	5.8877	153.3562	153.2700	
23:49:00	37:15:00	22938.5491	22932.2597	6.2894	153.3551	153.2700	
Jun 22, 01 00:04:00	37:30:00	22940.9411	22927.2838	13.6573	153.3551	153.2600	
00:19:00	37:45:00	22935.9535	22927.1197	8.8339	153.3551	153.2600	
00:34:00	38:00:00	22931.4242	22927.3258	4.0984	153.3528	153.2600	
00:49:00	38:15:00	22936.9715	22935.6132	1.3582	153.3540	153.2600	
01:04:00	38:30:00	22929.3376	22925.1588	4.1788	153.3528	153.2600	
01:19:00	38:45:00	22933.0529	22929.4335	3.6194	153.3517	153.2600	
01:34:00	39:00:00	22935.8011	22929.0729	6.7282	153.3517	153.2600	
01:49:00	39:15:00	22936.1576	22932.5837	3.5739	153.3494	153.2700	
02:04:00	39:30:00	22934.6817	22925.5601	9.1216	153.3494	153.2600	
02:19:00	39:45:00	22936.9719	22927.3975	9.5744	153.3494	153.2600	
02:34:00	40:00:00	22933.0022	22928.1808	4.8215	153.3494	153.2600	
02:49:00	40:15:00	22932.0355	22927.6099	4.4257	153.3460	153.2600	
03:04:00	40:30:00	22938.6514	22928.7537	9.8977	153.3483	153.2600	
03:19:00	40:45:00	22934.2747	22936.6626	-2.3879	153.3472	153.2700	

Data							
9453Q-16E	9453Q-16E	774	9453Q-16E vs 774	9453Q-16E	774		
Real Time (mmm dd,yy 24 hr)	Elapsed Time (HHH:MM:SS)	Pressure (KPa G)	Pressure (KPa G)	Press. Diff. (KPa)	Temperature (DegC)	Temperature (DegC)	Comments
03:34:00	41:00:00	22931.3231	22927.3134	4.0097	153.3449	153.2600	
03:49:00	41:15:00	22933.8676	22929.3039	4.5637	153.3472	153.2500	
04:04:00	41:30:00	22937.3284	22931.1351	6.1933	153.3460	153.2600	
04:19:00	41:45:00	22932.8499	22922.4802	10.3697	153.3449	153.2500	
04:34:00	42:00:00	22936.0054	22924.4652	11.5402	153.3438	153.2600	
04:49:00	42:15:00	22933.4098	22926.2371	7.1727	153.3438	153.2500	
05:04:00	42:30:00	22932.9517	22926.7218	6.2299	153.3449	153.2500	
05:19:00	42:45:00	22935.1402	22927.5754	7.5648	153.3438	153.2500	
05:34:00	43:00:00	22934.3768	22930.2464	4.1304	153.3438	153.2600	
05:49:00	43:15:00	22936.0054	22930.0141	5.9913	153.3438	153.2600	
06:04:00	43:30:00	22933.0538	22929.9727	3.0811	153.3415	153.2500	
06:19:00	43:45:00	22941.6544	22933.3690	8.2854	153.3438	153.2600	
06:34:00	44:00:00	22939.9242	22932.6547	7.2694	153.3426	153.2500	
06:49:00	44:15:00	22936.6161	22928.8199	7.7963	153.3426	153.2500	
07:04:00	44:30:00	22937.3796	22927.7698	9.6098	153.3415	153.2500	
07:19:00	44:45:00	22937.6341	22927.5375	10.0966	153.3415	153.2500	
07:34:00	45:00:00	22934.6824	22926.2130	8.4694	153.3403	153.2500	
07:49:00	45:15:00	22932.9521	22927.4120	5.5401	153.3403	153.2500	
08:04:00	45:30:00	22934.5807	22925.7628	8.8179	153.3392	153.2500	
08:19:00	45:45:00	22935.3440	22928.1718	7.1722	153.3403	153.2500	
08:34:00	46:00:00	22934.2245	22926.4329	7.7915	153.3392	153.2500	
08:49:00	46:15:00	22939.4663	22928.4889	10.9773	153.3403	153.2500	
09:04:00	46:30:00	22939.1608	22931.4130	7.7479	153.3415	153.2500	
09:19:00	46:45:00	22938.4993	22927.0417	11.4576	153.3403	153.2500	
09:34:00	47:00:00	22938.3467	22933.3152	5.0314	153.3403	153.2500	
09:49:00	47:15:00	22937.8378	22932.0604	5.7774	153.3392	153.2500	
10:04:00	47:30:00	22940.7895	22932.9409	7.8486	153.3403	153.2500	
10:19:00	47:45:00	22942.4689	22935.4029	7.0660	153.3403	153.2500	
10:34:00	48:00:00	22941.0439	22933.9689	7.0751	153.3403	153.2500	
10:49:00	48:15:00	22942.4689	22933.2787	9.1902	153.3403	153.2500	
11:04:00	48:30:00	22942.9778	22936.5454	6.4324	153.3403	153.2500	
11:19:00	48:45:00	22941.7565	22935.0775	6.6790	153.3392	153.2500	
11:34:00	49:00:00	22941.1458	22930.8042	10.3416	153.3392	153.2500	
11:49:00	49:15:00	22944.6064	22934.4384	10.1681	153.3392	153.2500	
12:04:00	49:30:00	22941.8582	22934.6121	7.2461	153.3403	153.2500	
12:19:00	49:45:00	22939.6190	22936.5495	3.0695	153.3392	153.2500	
12:34:00	50:00:00	22938.1433	22933.6882	4.4551	153.3369	153.2500	
12:49:00	50:15:00	22942.1128	22933.1704	8.9424	153.3381	153.2500	
13:04:00	50:30:00	22942.0110	22935.2554	6.7556	153.3381	153.2500	
13:19:00	50:45:00	22938.7030	22933.3938	5.3092	153.3381	153.2500	
13:34:00	51:00:00	22940.3826	22934.1074	6.2751	153.3369	153.2500	
13:49:00	51:15:00	22937.6344	22935.0155	2.6189	153.3369	153.2500	
14:04:00	51:30:00	22940.0263	22934.1212	5.9051	153.3369	153.2500	
14:19:00	51:45:00	22940.9933	22931.6591	9.3342	153.3358	153.2500	
14:34:00	52:00:00	22945.1155	22935.0755	10.0400	153.3369	153.2500	
14:49:00	52:15:00	22946.1841	22937.6486	8.5355	153.3392	153.2500	
15:04:00	52:30:00	22942.8253	22937.2886	5.5366	153.3381	153.2500	
15:19:00	52:45:00	22944.5048	22935.0472	9.4576	153.3369	153.2500	
15:34:00	53:00:00	22944.7084	22938.7489	5.9594	153.3369	153.2500	
15:49:00	53:15:00	22944.4539	22938.3256	6.1283	153.3369	153.2500	
16:04:00	53:30:00	22945.7771	22940.1961	5.5810	153.3358	153.2500	
16:19:00	53:45:00	22940.9425	22936.4041	4.5384	153.3347	153.2500	
16:34:00	54:00:00	22946.4897	22934.2012	12.2885	153.3347	153.2500	
16:49:00	54:15:00	22940.2300	22935.4457	4.7843	153.3347	153.2500	
17:04:00	54:30:00	22943.1308	22934.2205	8.9103	153.3347	153.2500	
17:19:00	54:45:00	22941.5024	22936.7564	4.7460	153.3335	153.2500	
17:34:00	55:00:00	22943.7924	22939.1247	4.6677	153.3347	153.2500	

Data							
9453Q-16E	9453Q-16E	774	9453Q-16E vs 774	9453Q-16E	774		
Real Time (mmm dd,yy 24 hr)	Elapsed Time (HHH:MM:SS)	Pressure (KPa G)	Pressure (KPa G)	Press. Diff. (KPa)	Temperature (DegC)	Temperature (DegC)	Comments
17:49:00	55:15:00	22941.6041	22935.7691	5.8350	153.3347	153.2500	
18:04:00	55:30:00	22938.9578	22936.6847	2.2731	153.3335	153.2500	
18:19:00	55:45:00	22941.6042	22932.1266	9.4776	153.3335	153.2500	
18:34:00	56:00:00	22942.7747	22936.8198	5.9549	153.3335	153.2500	
18:49:00	56:15:00	22938.0417	22930.4629	7.5788	153.3335	153.2500	
19:04:00	56:30:00	22940.7391	22934.3756	6.3634	153.3324	153.2500	
19:19:00	56:45:00	22939.0087	22932.1342	6.8745	153.3335	153.2500	
19:34:00	57:00:00	22940.8917	22939.0275	1.8642	153.3324	153.2500	
19:49:00	57:15:00	22944.0469	22936.9453	7.1016	153.3347	153.2500	
20:04:00	57:30:00	22940.0265	22936.9129	3.1136	153.3335	153.2500	
20:19:00	57:45:00	22947.4566	22939.4467	8.0099	153.3347	153.2500	
20:34:00	58:00:00	22941.7059	22934.1902	7.5157	153.3347	153.2500	
20:49:00	58:15:00	22944.8103	22941.2662	3.5441	153.3347	153.2500	
21:04:00	58:30:00	22945.7263	22938.9213	6.8050	153.3347	153.2500	
21:19:00	58:45:00	22943.6398	22936.3337	7.3060	153.3347	153.2400	
21:34:00	59:00:00	22944.4031	22940.9415	3.4617	153.3347	153.2500	
21:49:00	59:15:00	22939.8230	22936.7522	3.0707	153.3335	153.2400	
22:04:00	59:30:00	22945.7264	22936.7674	8.9590	153.3335	153.2500	
22:19:00	59:45:00	22947.5584	22935.8028	11.7556	153.3347	153.2500	
22:34:00	60:00:00	22940.5354	22938.7545	1.7810	153.3335	153.2500	
22:49:00	60:15:00	22945.2175	22937.5196	7.6979	153.3324	153.2500	
23:04:00	60:30:00	22944.6068	22936.0738	8.5329	153.3335	153.2400	
23:19:00	60:45:00	22947.2022	22939.1399	8.0623	153.3335	153.2500	
23:34:00	61:00:00	22949.4414	22940.6512	8.7902	153.3347	153.2500	
23:49:00	61:15:00	22950.5610	22941.5406	9.0204	153.3335	153.2500	
Jun 23, 01 00:04:00	61:30:00	22946.2862	22941.6820	4.6042	153.3335	153.2500	
00:19:00	61:45:00	22948.9325	22938.2898	10.6427	153.3347	153.2500	
00:34:00	62:00:00	22949.3905	22940.1279	9.2627	153.3335	153.2400	
00:49:00	62:15:00	22947.3040	22936.0786	11.2254	153.3335	153.2500	
01:04:00	62:30:00	22946.4898	22938.6724	7.8174	153.3324	153.2500	
01:19:00	62:45:00	22948.6781	22939.8500	8.8280	153.3335	153.2500	
01:34:00	63:00:00	22948.3728	22940.2334	8.1394	153.3324	153.2400	
01:49:00	63:15:00	22946.6425	22940.3320	6.3105	153.3324	153.2500	
02:04:00	63:30:00	22946.0318	22939.7707	6.2611	153.3313	153.2500	
02:19:00	63:45:00	22946.4898	22941.2124	5.2774	153.3324	153.2500	
02:34:00	64:00:00	22945.6247	22938.7945	6.8302	153.3313	153.2500	
02:49:00	64:15:00	22950.4084	22937.1115	13.2969	153.3335	153.2500	
03:04:00	64:30:00	22940.1793	22935.2382	4.9412	153.3313	153.2400	
03:19:00	64:45:00	22946.3372	22943.3553	2.9819	153.3313	153.2500	
03:34:00	65:00:00	22949.8486	22938.6317	11.2168	153.3335	153.2500	
03:49:00	65:15:00	22945.4211	22940.5381	4.8829	153.3324	153.2500	
04:04:00	65:30:00	22944.8104	22939.0723	5.7381	153.3324	153.2400	
04:19:00	65:45:00	22951.3244	22942.1928	9.1316	153.3324	153.2500	
04:34:00	66:00:00	22946.7952	22945.7595	1.0357	153.3313	153.2500	
04:49:00	66:15:00	22943.9962	22937.7699	6.2263	153.3313	153.2400	
05:04:00	66:30:00	22947.9657	22937.4638	10.5019	153.3313	153.2400	
05:19:00	66:45:00	22944.0471	22937.2176	6.8295	153.3301	153.2400	
05:34:00	67:00:00	22945.9809	22939.6170	6.3639	153.3313	153.2500	
05:49:00	67:15:00	22946.1845	22939.5356	6.6489	153.3301	153.2500	
06:04:00	67:30:00	22949.8487	22939.9300	9.9187	153.3301	153.2400	
06:19:00	67:45:00	22946.1845	22944.2261	1.9584	153.3313	153.2500	
06:34:00	68:00:00	22946.4389	22940.5230	5.9160	153.3313	153.2400	
06:49:00	68:15:00	22945.0140	22940.6608	4.3531	153.3313	153.2500	
07:04:00	68:30:00	22944.3016	22940.3899	3.9117	153.3301	153.2400	
07:19:00	68:45:00	23146.1744	23443.0004	-296.8260	153.3392	153.5400	
07:34:00	69:00:00	23675.3997	23623.3196	52.0802	153.5163	153.4300	
07:49:00	69:15:00	24761.0817	24865.7183	-104.6366	153.8405	153.9700	

Data							
9453Q-16E	9453Q-16E	774	9453Q-16E vs 774	9453Q-16E	774		
Real Time (mmm dd,yy 24 hr)	Elapsed Time (HHH:MM:SS)	Pressure (KPa G)	Pressure (KPa G)	Press. Diff. (KPa)	Temperature (DegC)	Temperature (DegC)	Comments
08:04:00	69:30:00	25043.1394	25052.2889	-9.1495	153.5900	153.4100	
08:19:00	69:45:00	25118.9690	25124.6164	-5.6474	153.3687	153.2000	
08:34:00	70:00:00	25164.5723	25168.4708	-3.8985	153.1904	153.0500	
08:49:00	70:15:00	25229.8094	25237.7942	-7.9848	153.1143	153.0300	
09:04:00	70:30:00	25249.0807	25256.1976	-7.1169	153.0552	152.9700	
09:19:00	70:45:00	25263.0589	25270.0532	-6.9943	152.9824	152.9100	
09:34:00	71:00:00	25274.5907	25280.9923	-6.4016	152.9096	152.8400	
09:49:00	71:15:00	25283.6264	25289.9492	-6.3228	152.8368	152.7800	
10:04:00	71:30:00	25291.2673	25297.4258	-6.1585	152.7720	152.7300	
10:19:00	71:45:00	25297.7239	25303.8972	-6.1733	152.7162	152.6800	
10:34:00	72:00:00	25303.3232	25309.5460	-6.2228	152.6627	152.6300	
10:49:00	72:15:00	25308.2286	25314.5281	-6.2995	152.6137	152.5800	
11:04:00	72:30:00	25312.6896	25318.9731	-6.2836	152.5682	152.5400	
11:19:00	72:45:00	25316.8029	25323.0093	-6.2064	152.5249	152.5000	
11:34:00	73:00:00	25320.7561	25326.6945	-5.9384	152.4804	152.4600	
11:49:00	73:15:00	25323.9034	25330.0639	-6.1605	152.4485	152.4200	
12:04:00	73:30:00	25327.0891	25333.1659	-6.0767	152.4143	152.3900	
12:19:00	73:45:00	25329.9798	25336.0051	-6.0253	152.3824	152.3600	
12:34:00	74:00:00	25333.1734	25338.6713	-5.4979	152.3505	152.3300	
12:49:00	74:15:00	25335.5652	25341.1555	-5.5903	152.3208	152.3000	
13:04:00	74:30:00	25337.8092	25343.4962	-5.6870	152.2923	152.2700	
13:19:00	74:45:00	25339.9619	25345.6880	-5.7261	152.2661	152.2500	
13:34:00	75:00:00	25341.9166	25347.7523	-5.8357	152.2410	152.2200	
13:49:00	75:15:00	25343.9211	25349.8600	-5.9389	152.2159	152.2000	
14:04:00	75:30:00	25345.7841	25351.6871	-5.9030	152.1931	152.1700	
14:19:00	75:45:00	25347.4551	25353.4025	-5.9474	152.1726	152.1500	
14:34:00	76:00:00	25349.1256	25355.0807	-5.9551	152.1520	152.1300	
14:49:00	76:15:00	25350.8461	25356.6485	-5.8024	152.1315	152.1100	
15:04:00	76:30:00	25352.2678	25358.1757	-5.9079	152.1121	152.0900	
15:19:00	76:45:00	25352.8270	25359.6112	-6.7842	152.0927	152.0700	
15:34:00	77:00:00	25354.2535	25361.0253	-6.7718	152.0744	152.0500	
15:49:00	77:15:00	25355.8884	25362.3980	-6.5097	152.0573	152.0300	
16:04:00	77:30:00	25357.1739	25363.7377	-6.5638	152.0413	152.0200	
16:19:00	77:45:00	25358.3576	25364.9980	-6.6404	152.0253	152.0000	
16:34:00	78:00:00	25360.4716	25366.2549	-5.7833	152.0128	151.9800	
16:49:00	78:15:00	25361.7054	25367.4518	-5.7464	151.9968	151.9700	
17:04:00	78:30:00	25362.9003	25368.5998	-5.6995	151.9831	151.9500	
17:19:00	78:45:00	25363.8354	25369.7464	-5.9110	151.9682	151.9400	
17:34:00	79:00:00	25365.0804	25370.8799	-5.7995	151.9545	151.9200	
17:49:00	79:15:00	25366.2745	25371.9561	-5.6817	151.9408	151.9100	
18:04:00	79:30:00	25367.2717	25373.0324	-5.7607	151.9283	151.8900	
18:19:00	79:45:00	25368.5666	25374.0825	-5.5158	151.9146	151.8800	
18:34:00	80:00:00	25369.4558	25375.0974	-5.6415	151.9008	151.8700	
18:49:00	80:15:00	25370.4078	25376.0923	-5.6845	151.8894	151.8500	
19:04:00	80:30:00	25371.4103	25377.0562	-5.6458	151.8780	151.8400	
19:19:00	80:45:00	25372.5140	25378.0062	-5.4922	151.8666	151.8300	
19:34:00	81:00:00	25372.4963	25378.9405	-6.4442	151.8540	151.8200	
19:49:00	81:15:00	25373.3462	25379.8809	-6.5347	151.8426	151.8000	
20:04:00	81:30:00	25374.3605	25380.7862	-6.4257	151.8334	151.7900	
20:19:00	81:45:00	25375.2038	25381.6660	-6.4622	151.8209	151.7800	
20:34:00	82:00:00	25376.1545	25382.5409	-6.3863	151.8094	151.7700	
20:49:00	82:15:00	25376.7123	25383.3938	-6.6815	151.8003	151.7600	
21:04:00	82:30:00	25377.7197	25384.2708	-6.5510	151.7900	151.7500	
21:19:00	82:45:00	25378.3786	25385.0837	-6.7050	151.7809	151.7400	
21:34:00	83:00:00	25379.2464	25385.8883	-6.6419	151.7729	151.7300	
21:49:00	83:15:00	25380.1521	25386.7267	-6.5746	151.7626	151.7200	
22:04:00	83:30:00	25380.9626	25387.4975	-6.5348	151.7534	151.7100	

Data							
9453Q-16E	9453Q-16E	774	9453Q-16E vs 774	9453Q-16E	774		
Real Time (mmm dd,yy 24 hr)	Elapsed Time (HHH:MM:SS)	Pressure (KPa G)	Pressure (KPa G)	Press. Diff. (KPa)	Temperature (DegC)	Temperature (DegC)	Comments
	22:19:00	83:45:00	25381.6275	25388.2828	-6.6553	151.7454	151.7000
	22:34:00	84:00:00	25381.9817	25389.0640	-7.0822	151.7363	151.6900
	22:49:00	84:15:00	25382.7349	25389.8382	-7.1034	151.7260	151.6800
	23:04:00	84:30:00	25383.4565	25390.5987	-7.1422	151.7191	151.6700
	23:19:00	84:45:00	25384.3743	25391.3440	-6.9698	151.7111	151.6600
	23:34:00	85:00:00	25385.1399	25392.0625	-6.9225	151.7031	151.6600
	23:49:00	85:15:00	25385.8548	25392.8154	-6.9605	151.6951	151.6400
Jun 24, 01	00:04:00	85:30:00	25386.5697	25393.5372	-6.9676	151.6871	151.6400
	00:19:00	85:45:00	25387.1389	25394.2384	-7.0996	151.6803	151.6300
	00:34:00	86:00:00	25387.9614	25394.9300	-6.9686	151.6734	151.6200
	00:49:00	86:15:00	25388.5239	25395.6360	-7.1120	151.6654	151.6100
	01:04:00	86:30:00	25389.1943	25396.3413	-7.1470	151.6585	151.6000
	01:19:00	86:45:00	25389.9659	25397.0363	-7.0704	151.6517	151.6000
	01:34:00	87:00:00	25390.6361	25397.6941	-7.0580	151.6448	151.5900
	01:49:00	87:15:00	25391.3062	25398.3877	-7.0815	151.6380	151.5800
	02:04:00	87:30:00	25392.0776	25399.0585	-6.9809	151.6311	151.5700
	02:19:00	87:45:00	25392.7476	25399.7059	-6.9583	151.6242	151.5700
	02:34:00	88:00:00	25393.3734	25400.3706	-6.9972	151.6185	151.5600
	02:49:00	88:15:00	25394.0499	25401.0166	-6.9668	151.6128	151.5500
	03:04:00	88:30:00	25394.7197	25401.6640	-6.9444	151.6059	151.5400
	03:19:00	88:45:00	25395.1868	25402.2846	-7.0978	151.5991	151.5400
	03:34:00	89:00:00	25395.9071	25402.9354	-7.0283	151.5922	151.5300
	03:49:00	89:15:00	25396.6847	25403.5470	-6.8623	151.5865	151.5200
	04:04:00	89:30:00	25397.3542	25404.1723	-6.8181	151.5796	151.5200
	04:19:00	89:45:00	25397.9797	25404.7797	-6.8001	151.5739	151.5100
	04:34:00	90:00:00	25398.6491	25405.4120	-6.7629	151.5670	151.5000
	04:49:00	90:15:00	25399.1291	25406.0167	-6.8875	151.5625	151.5000
	05:04:00	90:30:00	25400.1597	25406.6158	-6.4561	151.5568	151.4900
	05:19:00	90:45:00	25400.8356	25407.2156	-6.3800	151.5510	151.4800
	05:34:00	91:00:00	25401.4608	25407.8251	-6.3643	151.5453	151.4800
	05:49:00	91:15:00	25401.9407	25408.3891	-6.4484	151.5407	151.4700
	06:04:00	91:30:00	25402.7178	25408.9890	-6.2711	151.5350	151.4700
	06:19:00	91:45:00	25403.2416	25409.5702	-6.3286	151.5293	151.4600
	06:34:00	92:00:00	25403.4614	25410.1493	-6.6880	151.5236	151.4600
	06:49:00	92:15:00	25404.1944	25410.7375	-6.5431	151.5190	151.4500
	07:04:00	92:30:00	25404.6234	25411.2883	-6.6649	151.5144	151.4400
	07:19:00	92:45:00	25405.3497	25411.8585	-6.5089	151.5087	151.4400
	07:34:00	93:00:00	25406.2345	25412.4287	-6.1942	151.5041	151.4300
	07:49:00	93:15:00	25406.9167	25412.9955	-6.0787	151.4995	151.4300
	08:04:00	93:30:00	25407.2443	25413.5374	-6.2931	151.4950	151.4200
	08:19:00	93:45:00	25407.7745	25414.1131	-6.3386	151.4904	151.4200
	08:34:00	94:00:00	25408.4566	25414.6647	-6.2080	151.4858	151.4100
	08:49:00	94:15:00	25409.0881	25415.2032	-6.1151	151.4812	151.4100
	09:04:00	94:30:00	25409.6688	25415.7258	-6.0569	151.4767	151.4000
	09:19:00	94:45:00	25410.3508	25416.2870	-5.9362	151.4721	151.4000
	09:34:00	95:00:00	25410.8302	25416.8227	-5.9925	151.4675	151.3900
	09:49:00	95:15:00	25411.4109	25417.3536	-5.9427	151.4629	151.3900
	10:04:00	95:30:00	25412.0928	25417.8873	-5.7945	151.4583	151.3800
	10:19:00	95:45:00	25412.5282	25418.4119	-5.8837	151.4549	151.3800
	10:34:00	96:00:00	25413.1088	25418.9580	-5.8492	151.4503	151.3700
	10:49:00	96:15:00	25413.5880	25419.4861	-5.8981	151.4458	151.3700
	11:04:00	96:30:00	25414.0672	25419.9750	-5.9077	151.4412	151.3600
	11:19:00	96:45:00	25414.6983	25420.5010	-5.8027	151.4366	151.3600
	11:34:00	97:00:00	25415.1337	25421.0326	-5.8989	151.4332	151.3500
	11:49:00	97:15:00	25415.6128	25421.5470	-5.9342	151.4286	151.3500
	12:04:00	97:30:00	25416.0987	25422.0392	-5.9405	151.4252	151.3400
	12:19:00	97:45:00	25416.6284	25422.5501	-5.9217	151.4206	151.3400

Data							
9453Q-16E	9453Q-16E	774	9453Q-16E vs 774	9453Q-16E	774		
Real Time (mmm dd,yy 24 hr)	Elapsed Time (HHH:MM:SS)	Pressure (KPa G)	Pressure (KPa G)	Press. Diff. (KPa)	Temperature (DegC)	Temperature (DegC)	Comments
12:34:00	98:00:00	25417.0637	25423.0500	-5.9863	151.4171	151.3300	
12:49:00	98:15:00	25417.5427	25423.5781	-6.0354	151.4126	151.3300	
13:04:00	98:30:00	25418.1736	25424.0856	-5.9120	151.4080	151.3200	
13:19:00	98:45:00	25418.6088	25424.5689	-5.9601	151.4045	151.3200	
13:34:00	99:00:00	25419.2465	25425.0715	-5.8250	151.4011	151.3200	
13:49:00	99:15:00	25419.6310	25425.5452	-5.9142	151.3977	151.3100	
14:04:00	99:30:00	25420.2618	25426.0464	-5.7846	151.3931	151.3100	
14:19:00	99:45:00	25420.5450	25426.5456	-6.0006	151.3897	151.3000	
14:34:00	100:00:00	25421.1320	25427.0214	-5.8893	151.3862	151.3000	
14:49:00	100:15:00	25421.6684	25427.5336	-5.8652	151.3828	151.3000	
15:04:00	100:30:00	25421.9515	25428.0018	-6.0503	151.3794	151.2900	
15:19:00	100:45:00	25422.3727	25428.4686	-6.0959	151.3736	151.2900	
15:34:00	101:00:00	25422.7064	25428.9705	-6.2641	151.3702	151.2800	
15:49:00	101:15:00	25423.1920	25429.4379	-6.2459	151.3668	151.2800	
16:04:00	101:30:00	25423.4820	25429.9178	-6.4358	151.3645	151.2800	
16:19:00	101:45:00	25424.0183	25430.3846	-6.3663	151.3610	151.2700	
16:34:00	102:00:00	25424.5038	25430.8720	-6.3682	151.3576	151.2700	
16:49:00	102:15:00	25424.9388	25431.3402	-6.4014	151.3542	151.2600	
17:04:00	102:30:00	25425.4749	25431.8070	-6.3320	151.3507	151.2600	
17:19:00	102:45:00	25425.9098	25432.2675	-6.3577	151.3473	151.2500	
17:34:00	103:00:00	25426.2941	25432.7384	-6.4444	151.3439	151.2500	
17:49:00	103:15:00	25426.7289	25433.2211	-6.4922	151.3404	151.2500	
18:04:00	103:30:00	25427.0188	25433.6651	-6.6463	151.3381	151.2400	
18:19:00	103:45:00	25427.5479	25434.1291	-6.5812	151.3336	151.2400	
18:34:00	104:00:00	25427.9321	25434.5897	-6.6576	151.3301	151.2400	
18:49:00	104:15:00	25428.4245	25435.0530	-6.6285	151.3278	151.2300	
19:04:00	104:30:00	25428.9099	25435.5122	-6.6023	151.3244	151.2300	
19:19:00	104:45:00	25429.5035	25435.9603	-6.4568	151.3221	151.2300	
19:34:00	105:00:00	25429.8876	25436.3954	-6.5078	151.3187	151.2200	
19:49:00	105:15:00	25430.2141	25436.8346	-6.6205	151.3141	151.2200	
20:04:00	105:30:00	25430.7064	25437.2965	-6.5901	151.3118	151.2200	
20:19:00	105:45:00	25431.1917	25437.7405	-6.5488	151.3084	151.2100	
20:34:00	106:00:00	25431.7276	25438.1818	-6.4542	151.3049	151.2100	
20:49:00	106:15:00	25432.1693	25438.6424	-6.4731	151.3026	151.2100	
21:04:00	106:30:00	25432.6546	25439.0857	-6.4311	151.2992	151.2000	
21:19:00	106:45:00	25433.1398	25439.5318	-6.3920	151.2958	151.2000	
21:34:00	107:00:00	25433.6251	25439.9648	-6.3397	151.2923	151.2000	
21:49:00	107:15:00	25433.9148	25440.4026	-6.4878	151.2900	151.1900	
22:04:00	107:30:00	25434.4000	25440.8432	-6.4432	151.2866	151.1900	
22:19:00	107:45:00	25435.0948	25441.2865	-6.1917	151.2843	151.1900	
22:34:00	108:00:00	25435.5799	25441.7043	-6.1244	151.2809	151.1800	
22:49:00	108:15:00	25435.9709	25442.1532	-6.1823	151.2786	151.1800	
23:04:00	108:30:00	25436.6079	25442.5806	-5.9727	151.2752	151.1800	
23:19:00	108:45:00	25437.1001	25443.0191	-5.9190	151.2729	151.1700	
23:34:00	109:00:00	25437.6358	25443.4238	-5.7880	151.2694	151.1700	
23:49:00	109:15:00	25437.9690	25443.8561	-5.8871	151.2660	151.1700	
Jun 25, 01 00:04:00	109:30:00	25438.3093	25444.2884	-5.9792	151.2637	151.1600	
00:19:00	109:45:00	25438.6930	25444.7083	-6.0153	151.2603	151.1600	
00:34:00	110:00:00	25438.9756	25445.1434	-6.1678	151.2568	151.1600	
00:49:00	110:15:00	25439.2651	25445.5591	-6.2940	151.2545	151.1600	
01:04:00	110:30:00	25439.6995	25445.9659	-6.2664	151.2511	151.1500	
01:19:00	110:45:00	25440.1916	25446.3879	-6.1963	151.2488	151.1500	
01:34:00	111:00:00	25440.6331	25446.8091	-6.1761	151.2465	151.1500	
01:49:00	111:15:00	25441.0674	25447.2394	-6.1720	151.2431	151.1400	
02:04:00	111:30:00	25441.3498	25447.6469	-6.2970	151.2396	151.1400	
02:19:00	111:45:00	25441.7912	25448.0385	-6.2472	151.2374	151.1400	
02:34:00	112:00:00	25442.2762	25448.4646	-6.1884	151.2339	151.1300	

Data							
9453Q-16E	9453Q-16E	774	9453Q-16E vs 774	9453Q-16E	774		
Real Time (mmm dd,yy 24 hr)	Elapsed Time (HHH:MM:SS)	Pressure (KPa G)	Pressure (KPa G)	Press. Diff. (KPa)	Temperature (DegC)	Temperature (DegC)	Comments
02:49:00	112:15:00	25442.6669	25448.8893	-6.2223	151.2316	151.1300	
03:04:00	112:30:00	25443.1012	25449.2926	-6.1914	151.2282	151.1300	
03:19:00	112:45:00	25443.5426	25449.7008	-6.1582	151.2259	151.1300	
03:34:00	113:00:00	25444.0780			151.2225		
03:49:00	113:15:00	25444.2156	25450.5254	-6.3098	151.2202	151.1200	
04:04:00	113:30:00	25444.7511	25450.9370	-6.1859	151.2167	151.1200	
04:19:00	113:45:00	25445.0477	25451.3417	-6.2940	151.2156	151.1100	
04:34:00	114:00:00	25445.4890	25451.7292	-6.2402	151.2133	151.1100	
04:49:00	114:15:00	25445.9738	25452.1374	-6.1636	151.2099	151.1100	
05:04:00	114:30:00	25446.2632	25452.5455	-6.2823	151.2076	151.1100	
05:19:00	114:45:00	25446.8058	25452.9544	-6.1486	151.2053	151.1000	
05:34:00	115:00:00	25447.2471	25453.3522	-6.1052	151.2030	151.1000	
05:49:00	115:15:00	25447.6377	25453.7590	-6.1213	151.2007	151.1000	
06:04:00	115:30:00	25448.0212	25454.1306	-6.1095	151.1973	151.0900	
06:19:00	115:45:00	25448.4118	25454.5457	-6.1339	151.1950	151.0900	
06:34:00	116:00:00	25448.9471	25454.9235	-5.9764	151.1915	151.0900	
06:49:00	116:15:00	25449.2365	25455.3379	-6.1014	151.1892	151.0900	
07:04:00	116:30:00	25449.6271	25455.7261	-6.0990	151.1869	151.0800	
07:19:00	116:45:00	25449.9670	25456.1418	-6.1748	151.1847	151.0800	
07:34:00	117:00:00	25450.4517	25456.5045	-6.0528	151.1812	151.0800	
07:49:00	117:15:00	25450.7916	25456.9161	-6.1245	151.1789	151.0800	
08:04:00	117:30:00	25451.4353	25457.2918	-5.8565	151.1766	151.0700	
08:19:00	117:45:00	25451.9271	25457.6979	-5.7708	151.1743	151.0700	
08:34:00	118:00:00	25452.2670	25458.0868	-5.8198	151.1721	151.0700	
08:49:00	118:15:00	25452.7082	25458.4681	-5.7599	151.1698	151.0700	
09:04:00	118:30:00	25453.0409	25458.8521	-5.8113	151.1663	151.0600	
09:19:00	118:45:00	25453.3808	25459.2279	-5.8471	151.1640	151.0600	
09:34:00	119:00:00	25453.8725	25459.6154	-5.7428	151.1617	151.0600	
09:49:00	119:15:00	25454.3136	25460.0070	-5.6933	151.1594	151.0600	
10:04:00	119:30:00	25454.7981	25460.3800	-5.5819	151.1560	151.0500	
10:19:00	119:45:00	25455.1380	25460.7571	-5.6191	151.1537	151.0500	
10:34:00	120:00:00	25455.5284	25461.1494	-5.6210	151.1514	151.0500	
10:49:00	120:15:00	25455.7670	25461.5142	-5.7471	151.1491	151.0500	
11:04:00	120:30:00	25456.2008	25461.8968	-5.6960	151.1457	151.0500	
11:19:00	120:45:00	25456.4467	25462.2698	-5.8231	151.1445	151.0400	
11:34:00	121:00:00	25456.7865	25462.6635	-5.8770	151.1423	151.0400	
11:49:00	121:15:00	25457.2203	25463.0351	-5.8149	151.1388	151.0400	
12:04:00	121:30:00	25457.6686	25463.3992	-5.7306	151.1377	151.0300	
12:19:00	121:45:00	25458.1096	25463.7784	-5.6688	151.1354	151.0300	
12:34:00	122:00:00	25458.5506	25464.1631	-5.6125	151.1331	151.0300	
12:49:00	122:15:00	25458.9844	25464.5120	-5.5276	151.1296	151.0300	
13:04:00	122:30:00	25465.0667	25464.8857	0.1811	151.1388	151.0300	
13:19:00	122:45:00	25465.5584	25465.2621	0.2962	151.1365	151.0200	
13:34:00	123:00:00	25465.9487	25465.6337	0.3150	151.1342	151.0200	
13:49:00	123:15:00	25466.2885	25466.0109	0.2776	151.1319	151.0200	
14:04:00	123:30:00	25466.8380	25466.3708	0.4672	151.1308	151.0200	
14:19:00	123:45:00	25467.1271	25466.7259	0.4012	151.1285	151.0100	
14:34:00	124:00:00	25467.5175	25467.0947	0.4227	151.1262	151.0100	
14:49:00	124:15:00	25467.9078	25467.4457	0.4621	151.1239	151.0100	
15:04:00	124:30:00	25468.3487	25467.8332	0.5156	151.1216	151.0100	
15:19:00	124:45:00	25468.6451	25468.1779	0.4672	151.1205	151.0000	
15:34:00	125:00:00	25469.0861	25468.5343	0.5517	151.1182	151.0000	
15:49:00	125:15:00	25469.4837	25468.9204	0.5633	151.1170	151.0000	
16:04:00	125:30:00	25469.8160	25469.2645	0.5515	151.1136	151.0000	
16:19:00	125:45:00	25470.0618	25469.6327	0.4291	151.1125	151.0000	
16:34:00	126:00:00	25470.6546	25469.9788	0.6758	151.1102	150.9900	
16:49:00	126:15:00	25471.0448	25470.3346	0.7103	151.1079	150.9900	

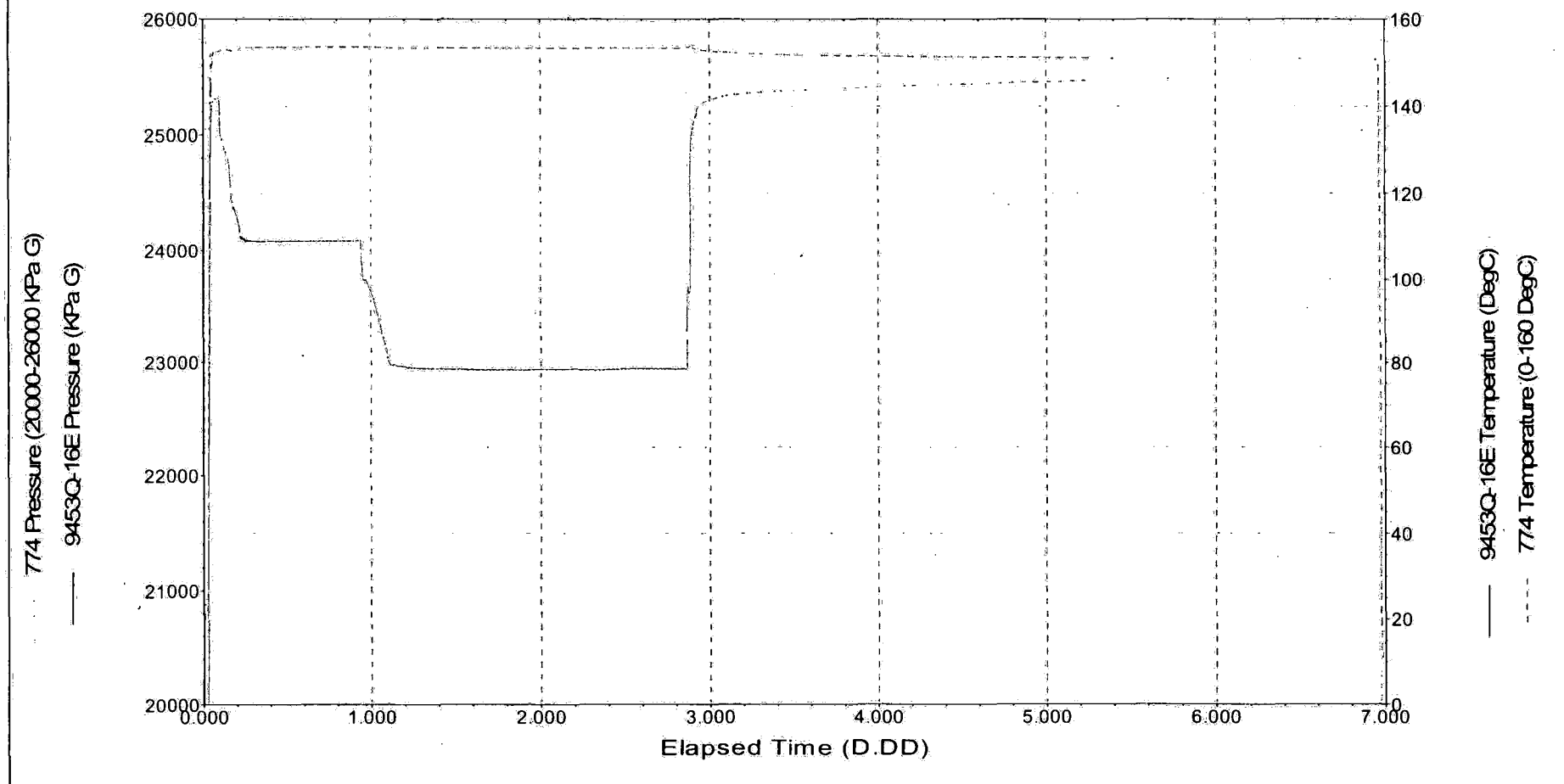
Data							
9453Q-16E	9453Q-16E	774	9453Q-16E vs 774	9453Q-16E	774		
Real Time (mmm dd,yy 24 hr)	Elapsed Time (HHH:MM:SS)	Pressure (KPa G)	Pressure (KPa G)	Press. Diff. (KPa)	Temperature (DegC)	Temperature (DegC)	Comments
17:04:00	126:30:00	25471.1820	25470.7193	0.4627	151.1056	150.9900	
17:19:00	126:45:00		25471.0716			150.9900	
17:34:00	127:00:00		25471.4412			150.9900	
17:49:00	127:15:00		25471.7804			150.9800	
18:04:00	127:30:00		25472.1437			150.9800	
18:19:00	127:45:00		25472.5064			150.9800	
18:34:00	128:00:00		25472.8387			150.9800	
18:49:00	128:15:00		25473.2034			150.9800	
19:04:00	128:30:00		25473.5613			150.9700	
19:19:00	128:45:00		25473.8984			150.9700	
19:34:00	129:00:00		25474.2418			150.9700	
19:49:00	129:15:00		25474.5913			150.9700	
20:04:00	129:30:00		25474.9512			150.9600	
20:19:00	129:45:00		25475.2987			150.9600	
20:34:00	130:00:00		25475.6573			150.9600	
20:49:00	130:15:00		25475.9999			150.9600	
21:04:00	130:30:00		25476.3536			150.9600	
21:19:00	130:45:00		25476.6887			150.9600	
21:34:00	131:00:00		25477.0465			150.9500	
21:49:00	131:15:00		25477.3871			150.9500	
22:04:00	131:30:00		25477.7181			150.9500	
22:19:00	131:45:00		25478.0511			150.9500	
22:34:00	132:00:00		25478.4138			150.9400	
22:49:00	132:15:00		25478.7599			150.9400	
23:04:00	132:30:00		25479.1281			150.9400	
23:19:00	132:45:00		25479.4356			150.9400	
23:34:00	133:00:00		25479.7844			150.9400	
23:49:00	133:15:00		25480.1133			150.9400	
Jun 26, 01 00:04:00	133:30:00		25480.4498			150.9300	
00:19:00	133:45:00		25480.8028			150.9300	
00:34:00	134:00:00		25481.1192			150.9300	
00:49:00	134:15:00		25481.4447			150.9300	
01:04:00	134:30:00		25481.7866			150.9300	
01:19:00	134:45:00		25482.1376			150.9200	
01:34:00	135:00:00		25482.4609			150.9200	
01:49:00	135:15:00		25482.8029			150.9200	
02:04:00	135:30:00		25483.1297			150.9200	
02:19:00	135:45:00		25483.4752			150.9200	
02:34:00	136:00:00		25483.8068			150.9100	
02:49:00	136:15:00		25484.1219			150.9100	
03:04:00	136:30:00		25484.4866			150.9100	
03:19:00	136:45:00		25484.7824			150.9100	
03:34:00	137:00:00		25485.1078			150.9100	
03:49:00	137:15:00		25485.4464			150.9100	
04:04:00	137:30:00		25485.8001			150.9000	
04:19:00	137:45:00		25486.1462			150.9000	
04:34:00	138:00:00		25486.4606			150.9000	
04:49:00	138:15:00		25486.7839			150.9000	
05:04:00	138:30:00		25487.1128			150.9000	
05:19:00	138:45:00		25487.4486			150.9000	
05:34:00	139:00:00		25487.7657			150.8900	
05:49:00	139:15:00		25488.0760			150.8900	
06:04:00	139:30:00		25488.4062			150.8900	
06:19:00	139:45:00		25488.7241			150.8900	
06:34:00	140:00:00		25489.0550			150.8900	
06:49:00	140:15:00		25489.3674			150.8900	
07:04:00	140:30:00		25489.6962			150.8800	

Data							
9453Q-16E	9453Q-16E	774	9453Q-16E vs 774	9453Q-16E	774		
Real Time (mmm dd,yy 24 hr)	Elapsed Time (HHH:MM:SS)	Pressure (KPa G)	Pressure (KPa G)	Press. Diff. (KPa)	Temperature (DegC)	Temperature (DegC)	Comments
07:19:00	140:45:00		25490.0196			150.8800	
07:34:00	141:00:00		25490.3285			150.8800	
07:49:00	141:15:00		25490.6429			150.8800	
08:04:00	141:30:00		25490.9794			150.8800	
08:19:00	141:45:00		25491.3096			150.8800	
08:34:00	142:00:00		25491.6095			150.8700	
08:49:00	142:15:00		25491.9294			150.8700	
09:04:00	142:30:00		25492.2266			150.8700	
09:19:00	142:45:00		25492.5610			150.8700	
09:34:00	143:00:00		25492.8602			150.8700	
09:49:00	143:15:00		25493.1753			150.8700	
10:04:00	143:30:00		25493.4952			150.8600	
10:19:00	143:45:00		25493.8158			150.8600	
10:34:00	144:00:00		25494.1289			150.8600	
10:49:00	144:15:00		25494.4260			150.8600	
11:04:00	144:30:00		25494.7439			150.8600	
11:19:00	144:45:00		25495.0652			150.8600	
11:34:00	145:00:00		25495.3740			150.8500	
11:49:00	145:15:00		25495.6829			150.8500	
12:04:00	145:30:00		25495.9801			150.8500	
12:19:00	145:45:00		25496.3055			150.8500	
12:34:00	146:00:00		25496.5992			150.8500	
12:49:00	146:15:00		25496.9040			150.8500	
13:04:00	146:30:00		25497.2259			150.8400	
13:19:00	146:45:00		25497.5328			150.8400	
13:34:00	147:00:00		25497.8451			150.8400	
13:49:00	147:15:00		25498.1416			150.8400	
14:04:00	147:30:00		25498.4498			150.8400	
14:19:00	147:45:00		25498.7538			150.8400	
14:34:00	148:00:00		25499.0675			150.8300	
14:49:00	148:15:00		25499.3619			150.8300	
15:04:00	148:30:00		25499.6487			150.8300	
15:19:00	148:45:00		25499.9487			150.8300	
15:34:00	149:00:00		25500.2493			150.8300	
15:49:00	149:15:00		25500.5616			150.8300	
16:04:00	149:30:00		25500.8526			150.8200	
16:19:00	149:45:00		25501.1649			150.8200	
16:34:00	150:00:00		25501.4648			150.8200	
16:49:00	150:15:00		25501.7716			150.8200	
17:04:00	150:30:00		25502.0709			150.8200	
17:19:00	150:45:00		25502.3611			150.8200	
17:34:00	151:00:00		25502.6645			150.8100	
17:49:00	151:15:00		25502.9623			150.8100	
18:04:00	151:30:00		25503.2561			150.8100	
18:19:00	151:45:00		25503.5532			150.8100	
18:34:00	152:00:00		25503.8669			150.8100	
18:49:00	152:15:00		25504.1489			150.8100	
19:04:00	152:30:00		25504.4440			150.8000	
19:19:00	152:45:00		25504.7391			150.8000	
19:34:00	153:00:00		25505.0590			150.8000	
19:49:00	153:15:00		25505.3189			150.8000	
20:04:00	153:30:00		25505.6361			150.8000	
20:19:00	153:45:00		25505.9340			150.8000	
20:34:00	154:00:00		25506.1966			150.8000	
20:49:00	154:15:00		25506.5041			150.7900	
21:04:00	154:30:00		25506.8020			150.7900	
21:19:00	154:45:00		25507.1143			150.7900	

Data							
9453Q-16E	9453Q-16E		774	9453Q-16E vs 774	9453Q-16E	774	
Real Time (mmm dd,yy 24 hr)	Elapsed Time (HHH:MM:SS)	Pressure (KPa G)	Pressure (KPa G)	Press. Diff. (KPa)	Temperature (DegC)	Temperature (DegC)	Comments
	21:34:00	155:00:00	25507.3825			150.7900	
	21:49:00	155:15:00	25507.6783			150.7900	
	22:04:00	155:30:00	25507.9796			150.7900	
	22:19:00	155:45:00	25508.2561			150.7900	
	22:34:00	156:00:00	25508.5560			150.7900	
	22:49:00	156:15:00	25508.8463			150.7900	
	23:04:00	156:30:00	25509.1296			150.7800	
	23:19:00	156:45:00	25509.4158			150.7800	
	23:34:00	157:00:00	25509.7095			150.7800	
	23:49:00	157:15:00	25509.9873			150.7800	
Jun 27, 01	00:04:00	157:30:00	25510.2762			150.7800	
	00:19:00	157:45:00	25510.5651			150.7800	
	00:34:00	158:00:00	25510.8519			150.7700	
	00:49:00	158:15:00	25511.1229			150.7700	
	01:04:00	158:30:00	25511.4318			150.7700	
	01:19:00	158:45:00	25511.7090			150.7700	
	01:34:00	159:00:00	25511.9875			150.7700	
	01:49:00	159:15:00	25512.2709			150.7700	
	02:04:00	159:30:00	25512.5536			150.7700	
	02:19:00	159:45:00	25512.8349			150.7700	
	02:34:00	160:00:00	25513.1231			150.7600	
	02:49:00	160:15:00	25513.4099			150.7600	
	03:04:00	160:30:00	25513.6733			150.7600	
	03:19:00	160:45:00	25513.9780			150.7600	
	03:34:00	161:00:00	25514.2517			150.7600	
	03:49:00	161:15:00	25514.5344			150.7600	
	04:04:00	161:30:00	25514.8047			150.7600	
	04:19:00	161:45:00	25515.1018			150.7600	
	04:34:00	162:00:00	25515.3700			150.7500	
	04:49:00	162:15:00	25515.6396			150.7500	
	05:04:00	162:30:00	25515.9395			150.7500	
	05:19:00	162:45:00	25516.2091			150.7500	
	05:34:00	163:00:00	25516.4918			150.7500	
	05:49:00	163:15:00	25516.7635			150.7500	
	06:04:00	163:30:00	25517.0496			150.7500	
	06:19:00	163:45:00	25517.3212			150.7400	
	06:34:00	164:00:00	25517.6074			150.7400	
	06:49:00	164:15:00	25517.8687			150.7400	
	07:04:00	164:30:00	25518.1679			150.7400	
	07:19:00	164:45:00	25518.4306			150.7400	
	07:34:00	165:00:00	25518.7098			150.7400	
	07:49:00	165:15:00	25518.9594			150.7400	
	08:04:00	165:30:00	25519.2462			150.7400	
	08:19:00	165:45:00	25519.5282			150.7300	
	08:34:00	166:00:00	25519.7964			150.7300	
	08:49:00	166:15:00	25520.0695			150.7300	
	09:04:00	166:30:00	25520.3535			150.7300	
	09:19:00	166:45:00	25519.9419			150.7200	
	09:34:00	167:00:00	25521.1361			150.7300	
	09:49:00	167:15:00	23009.8112			111.1300	
	10:04:00	167:30:00	2905.2528			13.7200	
	10:19:00	167:45:00	-30.4415			13.5100	

Well			
Client	Chevron Canada Resources	Well Name	Chevron et al Liard K-29
Test Name	Flow & Build-Up	Well No.	K-29
		Field	Ft. Liard
		Province	Northwest Territories
		Pool	Nahanni
		Test Date	Jun 20, 01 to Jun 27, 01

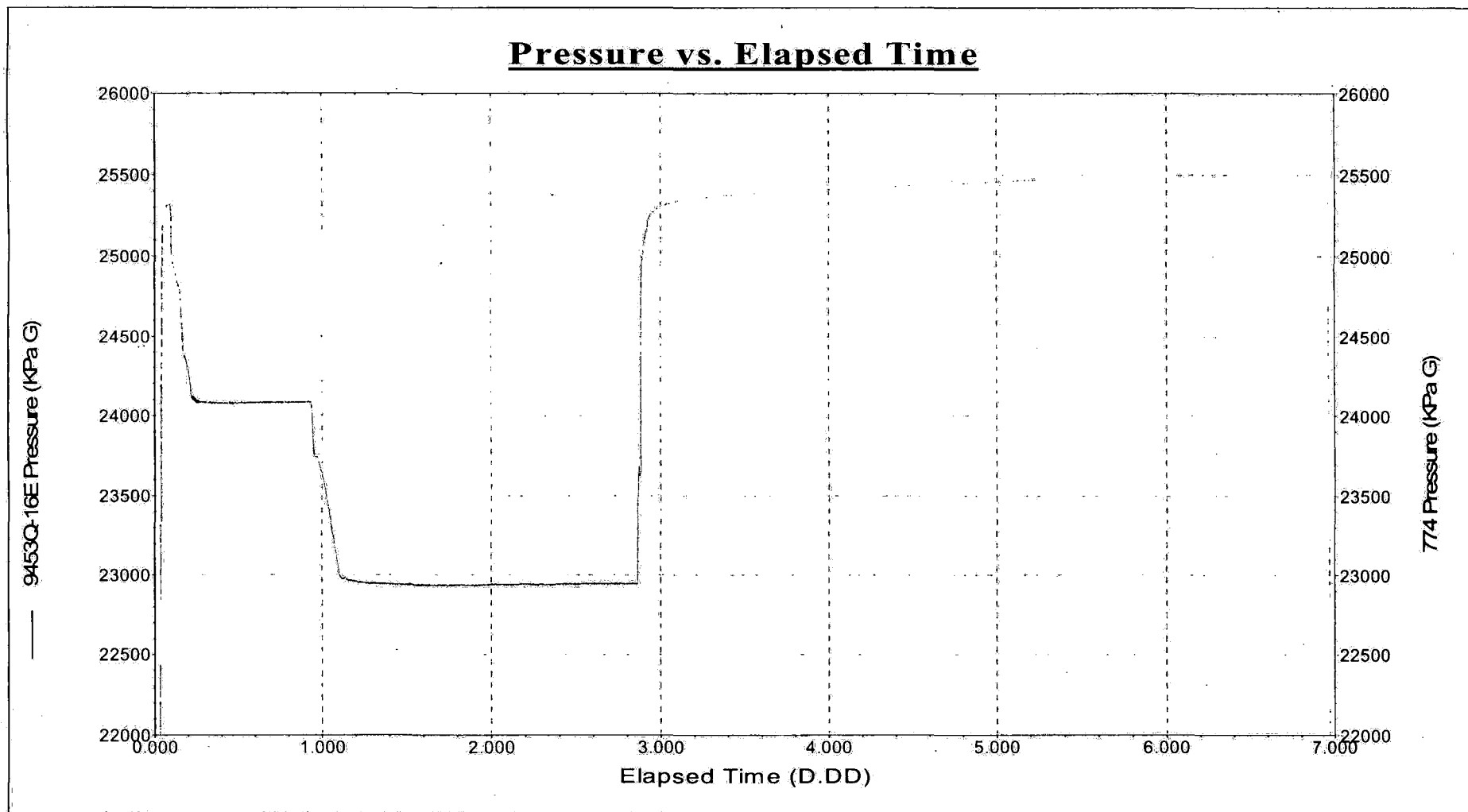
Pressure & Temperature vs. Elapsed Time



Remarks

9453q-16e bottom & 774 top recorder.

Well							
Client:	Chevron Canada Resources	Well Name	Chevron et al Liard K-29	Well No.	K-29	Province:	Northwest Territories
Test Name	Flow & Build-Up	Test Date	Jun 20, 01 to Jun 27, 01	Field	Ft. Liard	Pool	Nahanni



Remarks

9453q-16e bottom & 774 top recorder.