

Sub-Surface Pressure Report

Chevron Canada Resources

Injectivity Test

Chevron et al McKay Lakes

0-80

Sep 10, 99 to Sep 17, 99



**7449 - 49 Avenue Crescent
Red Deer, Alberta T4P 1X6**

Chevron Canada Resources

Injectivity Test

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0-80

Sep 10, 99 to Sep 17, 99

Service Company Contact Info

Report Writer	Vio Tandara, 1-403-347-2524	Service Company	Lee Tool, Div. of Schlumberger
Operator	Dale Sallstrom\Jason Plested, 1-780-778-2361	Job ID	0-80ext
		Test Date	Sep 10, 99 to Sep 17, 99

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

Injectivity Test

Chevron Canada Resources
Alberta, Canada

Sep 10, 99 to Sep 17, 99

Chevron et al McKay Lakes

0-80

Undefined, Mattson

Well			
Client	Chevron Canada Resources	Province	Alberta
Well Name	Chevron et al McKay Lakes	Country	Canada
Well No.	0-80	Deviated Well	No
Field	Undefined	Well Status	Injection Well
Pool	Mattson	KB Elevation	299.60 m
		CF Elevation	292.32 m
		Pool Datum	

Test						
Test Type				Atmospheric		
Injectivity Test				101.30 KPa A		
Test Start (mm/dd/yy)		Test Finish		Casing ID		Tubing ID
09/10/99		11:20 PM		09/17/99 08:47 AM		88.90 mm
In Bottom		Off Bottom		C. Pres. Before		T. Pres. Before
09/11/99		12:08 AM		09/17/99 08:27 AM		0.00 KPa G
Shut In		ET0		C. Pres. After		T. Pres. After
09/13/99		05:20 AM		09/10/99 11:20 PM		1800.00 KPa G
	Meas. Depth [mCF]	TVD [mCF]	Est. Pressure [KPa G]	Est. Gradient [KPa/m]	Est. Temperature [DegC]	Grad. Threshold
Well Datum						Grad. Recorder
anded Depth	486.70	486.70				
avg. MPP Depth						
Operator				Service Company		
Dale Sallstrom\Jason Plested, 1-780-778-2361				Lee Tool, Div. of Schlumberger		
Remarks						
9449q-16e bottom recorder & 9448q-16e top recorder						

Depth References		
Depth Reference	Offset [m]	Elevation [mMSL]
Casing Flange (CF)		292.32
Kelly Bushing (KB)	CF + 7.28	299.60

Top Recorder			
Model	LMR-3000S	Serial	9448Q-16E
Max. Rated Press.	110213.11 KPa G	Latest Calibration	08/20/99
		Max. Rated Temp.	174.98 DegC

Bottom Hole Pressure				
	Tool String MD, [mCF]	Sample R/T [mmm dd, yy 24 hr.]	Pressure [KPa G]	
Sample 1	486.70	Sep 17, 99 02:00:00	6744.25	
Sample 2		08:00:00	6632.67	
Difference:		06:00:00	-111.58	Build Up Rate -18.60 KPa/Hr.

Bottom Recorder

Model	LMR-3000S	Serial	9449Q-16E	Latest Calibration	07/08/99
Max. Rated Press.	110213.59 KPa G	Max. Rated Temp.	174.99 DegC		

Bottom Hole Pressure

	Tool String MD, [mCF]	Sample R/T [mmm dd, yy 24 hr.]	Pressure [KPa G]	
Sample 1	486.70	Sep 17, 99 02:00:00	6750.52	
Sample 2		08:00:00	6637.74	
Difference:		06:00:00	-112.79	Build Up Rate -18.80 KPa/Hr.

Tool Summary

Chevron Canada Resources
 Alberta, Canada

Sep 10, 99 to Sep 17, 99

Chevron et al McKay Lakes

0-80

Undefined, Undefined

Top Recorder

Tool	LMR-3000S	Serial	9448Q-16E	Latest Calibration	08/20/99	Battery Serial	
Landed Depth	485.20 mCF	Depth Offset	-1.50 m	Min. Battery	0.19 V		

Program: Static Gradient -- 2 Meg

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	30	10			259200	74.2%	5.4747	55166		15.8%	1.1652	6 9:14:20
Totals:	30 10:00				259800	74.3%	5.4769	55766		16.0%	1.1674	6 9:24:20

Bottom Recorder

Tool	LMR-3000S	Serial	9449Q-16E	Latest Calibration	07/08/99	Battery Serial	
Landed Depth	486.70 mCF	Depth Offset	0.00 m	Min. Battery	18.15 V		

Program: Static Gradient -- 2 Meg

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	30	10			259200	74.2%	5.4747	55193		15.8%	1.1658	6 9:18:50
Totals:	30 10:00				259800	74.3%	5.4769	55793		16.0%	1.1679	6 9:28:50

Calibration Summary

Chevron Canada Resources
Alberta, Canada

Sep 10, 99 to Sep 17, 99

Chevron et al McKay Lakes

0-80

Undefined, Undefined

Top Recorder

Tool	LMR-3000S	Serial	9448Q-16E	Latest Calibration	08/20/99	Battery Serial
Landed Depth	485.20 mCF	Depth Offset	-1.50 m	Min. Battery	0.19 V	

Equations

FP = Pres Freq (Hz)

FT = Temp Freq (Hz)

$XP = 2.118900e+004 + (1.000000e-002) FP$

$XT = 4.968100e+004 + (1.000000e-002) FT$

$P_0 = 2.001289e+001 + (-2.071854e+000) XT + (-2.145578e-002) XT^2 + (-1.069956e-006) XT^3 + (-1.452078e-008) XT^4$

$P_1 = 3.982822e+001 + (-1.998781e-002) XT + (3.657472e-005) XT^2 + (4.187025e-008) XT^3 + (1.958874e-010) XT^4$

$P_2 = -1.690837e-003 + (9.103862e-006) XT + (-8.119845e-008) XT^2 + (-3.565870e-010) XT^3 + (-8.729953e-013) XT^4$

$P_3 = 5.035916e-007 + (-1.079024e-009) XT + (1.100585e-010) XT^2 + (6.330990e-013) XT^3 + (1.345406e-015) XT^4$

Pressure (psiA) = $P_0 + P_1 XP + P_2 XP^2 + P_3 XP^3$

$T_0 = 2.523059e+001$

$T_1 = -7.491531e-001$

$T_2 = -8.876494e-004$

$T_3 = -6.804062e-007$

Temperature (degC) = $T_0 + T_1 XT + T_2 XT^2 + T_3 XT^3$

Bottom Recorder

Tool	LMR-3000S	Serial	9449Q-16E	Latest Calibration	07/08/99	Battery Serial
Landed Depth	486.70 mCF	Depth Offset	0.00 m	Min. Battery	18.15 V	

Equations

FP = Pres Freq (Hz)

FT = Temp Freq (Hz)

$XP = 2.454700e+004 + (1.000000e-002) FP$

$XT = 4.733900e+004 + (1.000000e-002) FT$

$P_0 = 1.991601e+001 + (-4.433533e-001) XT + (-1.911054e-002) XT^2 + (2.327491e-006) XT^3 + (-1.265850e-008) XT^4$

$P_1 = 4.062504e+001 + (-2.039614e-002) XT + (2.248850e-005) XT^2 + (-4.432937e-008) XT^3 + (3.117402e-011) XT^4$

$P_2 = -1.790257e-003 + (9.952224e-006) XT + (-1.154146e-008) XT^2 + (1.753607e-010) XT^3 + (2.136603e-013) XT^4$

$P_3 = 2.222311e-007 + (-6.674224e-009) XT + (-3.671691e-011) XT^2 + (-4.148719e-013) XT^3 + (-7.631723e-016) XT^4$

Pressure (psiA) = $P_0 + P_1 XP + P_2 XP^2 + P_3 XP^3$

$T_0 = 2.598896e+001$

$T_1 = -7.139323e-001$

$T_2 = -7.844230e-004$

$T_3 = -5.473650e-007$

Temperature (degC) = $T_0 + T_1 XT + T_2 XT^2 + T_3 XT^3$

Recorded Data

Chevron Canada Resources
Alberta, Canada

Sep 10, 99 to Sep 17, 99

Chevron et al McKay Lakes

0-80

Undefined, Undefined

Data							
9449Q-16E		9449Q-16E		9448Q-16E		9449Q-16E	
Real Time (mmm dd,yy 24 hr)		Elapsed Time DD:HH:MM:SS		Pressure (KPa G)		Temperature (DegC)	
				Pressure (KPa G)		Temperature (DegC)	
Sep 10, 99 23:20:00		0:00:00:00		-28.2242		11.8469	
23:25:00		0:00:05:00		-22.0993		11.9232	
23:26:00		0:00:06:00		-19.6494		11.9530	
23:46:00		0:00:26:00		-18.1700		9.8333	
Sep 11, 99 00:06:00		0:00:46:00		4995.1170		17.9376	
00:08:00		0:00:48:00		5169.2721		19.0187	
00:28:00		0:01:08:00		5183.3923		21.9789	
00:48:00		0:01:28:00		5190.7605		22.2299	
01:08:00		0:01:48:00		5195.4068		22.2552	
01:28:00		0:02:08:00		5198.5796		22.2588	
01:48:00		0:02:28:00		5201.2207		22.2570	
02:08:00		0:02:48:00		5200.4449		22.2534	
02:28:00		0:03:08:00		5201.8481		22.2498	
02:48:00		0:03:28:00		5203.3124		22.2480	
03:08:00		0:03:48:00		5205.5002		22.2444	
03:28:00		0:04:08:00		5194.7357		22.2715	
03:48:00		0:04:28:00		5205.2650		22.2516	
04:08:00		0:04:48:00		5207.2260		22.2426	
04:28:00		0:05:08:00		5209.8667		22.2318	
04:48:00		0:05:28:00		5211.2699		22.2281	
05:08:00		0:05:48:00		5212.1326		22.2227	
05:20:00		0:06:00:00		5212.6641		22.2191	
05:40:00		0:06:20:00		5213.3700		22.2155	
06:00:00		0:06:40:00		5213.9451		22.2119	
06:20:00		0:07:00:00		5214.4941		22.2101	
06:40:00		0:07:20:00		5214.7902		22.2047	
07:00:00		0:07:40:00		5215.2170		22.1993	
07:20:00		0:08:00:00		5215.7745		22.1938	
07:40:00		0:08:20:00		5216.1316		22.1902	
08:00:00		0:08:40:00		5216.4016		22.1866	
08:20:00		0:09:00:00		10631.5537		21.7620	
08:40:00		0:09:20:00		12779.0004		17.7767	
09:00:00		0:09:40:00		12819.3743		16.8806	
09:20:00		0:10:00:00		13077.9102		16.5043	
09:40:00		0:10:20:00		13218.5629		16.1974	
10:00:00		0:10:40:00		13172.2478		15.9730	
10:20:00		0:11:00:00		13225.4903		15.6104	
10:40:00		0:11:20:00		13227.1849		15.2399	
11:00:00		0:11:40:00		13106.1921		14.9669	
11:20:00		0:12:00:00		12826.4675		14.7565	
11:40:00		0:12:20:00		12810.8073		14.5958	
12:00:00		0:12:40:00		12808.5591		14.4739	
12:20:00		0:13:00:00		12890.7023		14.3593	
12:40:00		0:13:20:00		12935.5836		14.2280	
13:00:00		0:13:40:00		12951.4345		14.1300	
13:20:00		0:14:00:00		12940.9419		14.0578	
13:40:00		0:14:20:00		12931.1338		14.0042	
14:00:00		0:14:40:00		12930.2895		13.9653	
14:20:00		0:15:00:00		12945.9618		13.9005	

Data							
9449Q-16E		9449Q-16E	9448Q-16E	9449Q-16E s 9448Q-16E	9449Q-16E	9448Q-16E	
Real Time (mmm dd,yy 24 hr)	Elapsed Time DD:HH:MM:SS)	Pressure (KPa G)	Pressure (KPa G)	Press. Diff. (KPa)	Temperature (DegC)	Temperature (DegC)	Comments
14:40:00	0:15:20:00	12933.7109	12899.7291	33.9817	13.8505	13.7350	
15:00:00	0:15:40:00	12921.8988	12888.3224	33.5764	13.8079	13.6942	
15:20:00	0:16:00:00	12904.6725	12871.8463	32.8262	13.7672	13.6515	
15:40:00	0:16:20:00	12891.0330	12859.4752	31.5578	13.7357	13.6243	
16:00:00	0:16:40:00	12870.3528	12840.2930	30.0598	13.7116	13.5991	
16:20:00	0:17:00:00	12859.4315	12825.6125	33.8190	13.7079	13.5991	
16:40:00	0:17:20:00	12866.1265	12830.4123	35.7142	13.7005	13.5913	
17:00:00	0:17:40:00	12850.0961	12816.7156	33.3805	13.6894	13.5797	
17:20:00	0:18:00:00	12780.0770	12752.5456	27.5315	13.6839	13.5739	
17:40:00	0:18:20:00	12719.1897	12687.3762	31.8135	13.6764	13.5700	
18:00:00	0:18:40:00	12699.7688	12666.6140	33.1548	13.6690	13.5603	
18:20:00	0:19:00:00	12698.6473	12666.3653	32.2820	13.6598	13.5525	
18:40:00	0:19:20:00	12716.4239	12683.3347	33.0892	13.6412	13.5273	
19:00:00	0:19:40:00	12705.9730	12673.5449	32.4280	13.5949	13.4826	
19:20:00	0:20:00:00	12691.5756	12658.1262	33.4494	13.5597	13.4476	
19:40:00	0:20:20:00	12692.0946	12658.6824	33.4122	13.5245	13.4107	
20:00:00	0:20:40:00	12693.5208	12660.4881	33.0327	13.4893	13.3757	
20:20:00	0:21:00:00	12702.3520	12670.8804	31.4715	13.4337	13.3135	
20:40:00	0:21:20:00	12702.3215	12670.2049	32.1167	13.3595	13.2397	
21:00:00	0:21:40:00	12699.5793	12665.5861	33.9932	13.3095	13.1950	
21:20:00	0:22:00:00	12696.3683	12663.5743	32.7940	13.2668	13.1522	
21:40:00	0:22:20:00	12688.0981	12653.5605	34.5376	13.2334	13.1191	
22:00:00	0:22:40:00	12677.5702	12644.4087	33.1615	13.2112	13.0997	
22:20:00	0:23:00:00	12668.7714	12636.1275	32.6439	13.1889	13.0783	
22:40:00	0:23:20:00	12658.6950	12624.1078	34.5872	13.1444	13.0277	
23:00:00	0:23:40:00	12640.1894	12608.6479	31.5415	13.0999	12.9849	
23:20:00	1:00:00:00	12627.0085	12595.4541	31.5544	13.0627	12.9480	
23:40:00	1:00:20:00	12612.7382	12579.8203	32.9178	13.0275	12.9130	
Sep 12, 99 00:00:00	1:00:40:00	12598.8821	12566.6188	32.2634	13.0052	12.8915	
00:20:00	1:01:00:00	12582.8389	12550.9332	31.9057	12.9885	12.8760	
00:40:00	1:01:20:00	12599.2823	12566.9558	32.3265	12.9291	12.8059	
01:00:00	1:01:40:00	12589.3674	12557.6245	31.7429	12.8307	12.7086	
01:20:00	1:02:00:00	12577.3502	12544.6764	32.6738	12.7564	12.6346	
01:40:00	1:02:20:00	12568.6944	12535.3476	33.3468	12.6932	12.5742	
02:00:00	1:02:40:00	12547.7752	12515.1143	32.6609	12.6468	12.5294	
02:20:00	1:03:00:00	12534.9714	12503.7011	31.2703	12.6022	12.4846	
02:40:00	1:03:20:00	12525.4610	12492.5395	32.9214	12.5650	12.4476	
03:00:00	1:03:40:00	12502.8901	12470.8459	32.0441	12.5111	12.3930	
03:20:00	1:04:00:00	12480.0096	12448.6182	31.3914	12.4684	12.3521	
03:40:00	1:04:20:00	12462.2543	12425.5849	36.6693	12.4293	12.3112	
04:00:00	1:04:40:00	12443.8090	12408.7814	35.0276	12.3996	12.2819	
04:20:00	1:05:00:00	12427.2122	12393.3152	33.8970	12.3624	12.2468	
04:40:00	1:05:20:00	12432.3813	12399.0307	33.3506	12.3178	12.1981	
05:00:00	1:05:40:00	12412.4954	12379.2468	33.2487	12.2527	12.1318	
05:20:00	1:06:00:00	12397.8220	12363.7408	34.0812	12.2006	12.0810	
05:40:00	1:06:20:00	12381.6216	12348.2530	33.3687	12.1615	12.0440	
06:00:00	1:06:40:00	12370.7371	12337.1302	33.6069	12.1317	12.0147	
06:20:00	1:07:00:00	12372.8990	12338.8742	34.0248	12.1020	11.9835	
06:40:00	1:07:20:00	12387.0036	12353.4287	33.5749	12.0182	11.8937	
07:00:00	1:07:40:00	12383.7928	12350.1942	33.5986	11.9419	11.8176	
07:20:00	1:08:00:00	12377.7463	12343.1191	34.6272	11.8916	11.7707	
07:40:00	1:08:20:00	12369.5426	12334.3263	35.2163	11.8506	11.7297	
08:00:00	1:08:40:00	12352.9944	12320.0651	32.9293	11.8115	11.6926	
08:20:00	1:09:00:00	12354.1821	12318.9645	35.2176	11.7761	11.6575	
08:40:00	1:09:20:00	12362.1389	12328.2053	33.9336	11.7128	11.5871	
09:00:00	1:09:40:00	12356.0877	12324.6848	31.4029	11.6215	11.4934	
09:20:00	1:10:00:00	12347.5852	12314.7216	32.8635	11.5581	11.4347	
09:40:00	1:10:20:00	12341.2144	12307.1531	34.0612	11.5115	11.3898	

Data							
9449Q-16E		9449Q-16E	9448Q-16E	9449Q-16E s 9448Q-16E	9449Q-16E	9448Q-16E	
Real Time (mmm dd,yy 24 hr)	Elapsed Time DD:HH:MM:SS)	Pressure (KPa G)	Pressure (KPa G)	Press. Diff. (KPa)	Temperature (DegC)	Temperature (DegC)	Comments
10:00:00	1:10:40:00	12334.7968	12300.7081	34.0886	11.4761	11.3546	
10:20:00	1:11:00:00	12331.8537	12297.5054	34.3483	11.4462	11.3253	
10:40:00	1:11:20:00	12338.5883	12304.0236	34.5647	11.3940	11.2666	
11:00:00	1:11:40:00	12323.6514	12290.4500	33.2015	11.3082	11.1844	
11:20:00	1:12:00:00	12312.5046	12277.1581	35.3465	11.2672	11.1434	
11:40:00	1:12:20:00	12304.6652	12269.0603	35.6050	11.2411	11.1199	
12:00:00	1:12:40:00	12298.1755	12263.6142	34.5613	11.2336	11.1140	
12:20:00	1:13:00:00	12292.7652	12261.0710	31.6942	11.2261	11.1101	
12:40:00	1:13:20:00	12313.1374	12277.6819	35.4555	11.2280	11.1140	
13:00:00	1:13:40:00	12303.0039	12271.0094	31.9945	11.2355	11.1199	
13:20:00	1:14:00:00	12300.3379	12265.6526	34.6853	11.2541	11.1375	
13:40:00	1:14:20:00	12287.4383	12256.1645	31.2738	11.2728	11.1571	
14:00:00	1:14:40:00	12280.3651	12245.3218	35.0433	11.3026	11.1884	
14:20:00	1:15:00:00	12278.6810	12242.4029	36.2781	11.3343	11.2236	
14:40:00	1:15:20:00	12288.6642	12256.6730	31.9912	11.4164	11.3116	
15:00:00	1:15:40:00	12284.3378	12248.9854	35.3524	11.4705	11.3604	
15:20:00	1:16:00:00	12276.6250	12242.8425	33.7825	11.5078	11.3956	
15:40:00	1:16:20:00	12271.6398	12238.3516	33.2883	11.5432	11.4308	
16:00:00	1:16:40:00	12269.0212	12233.9446	35.0766	11.5805	11.4699	
16:20:00	1:17:00:00	12276.8140	12242.5694	34.2446	11.6271	11.5188	
16:40:00	1:17:20:00	12281.0545	12247.5887	33.4658	11.7165	11.6184	
17:00:00	1:17:40:00	12274.0371	12241.1387	32.8984	11.8115	11.7082	
17:20:00	1:18:00:00	12259.8881	12229.1774	30.7107	11.8767	11.7707	
17:40:00	1:18:20:00	12256.3579	12225.0589	31.2990	11.9232	11.8137	
18:00:00	1:18:40:00	12245.3018	12217.2073	28.0945	11.9717	11.8644	
18:20:00	1:19:00:00	12247.2138	12215.3090	31.9048	12.0275	11.9210	
18:40:00	1:19:20:00	12259.9685	12227.5299	32.4386	12.1410	12.0459	
19:00:00	1:19:40:00	12254.8469	12223.4777	31.3692	12.2322	12.1279	
19:20:00	1:20:00:00	12248.2232	12216.7629	31.4603	12.2824	12.1747	
19:40:00	1:20:20:00	12241.5106	12210.4341	31.0765	12.3140	12.2059	
20:00:00	1:20:40:00	12241.6415	12209.4282	32.2133	12.3419	12.2312	
20:20:00	1:21:00:00	12239.0409	12207.1090	31.9319	12.3624	12.2527	
20:40:00	1:21:20:00	12245.0218	12210.7213	34.3005	12.3959	12.2858	
21:00:00	1:21:40:00	12250.0344	12218.1428	31.8916	12.4424	12.3345	
21:20:00	1:22:00:00	12246.5167	12214.0433	32.4734	12.4647	12.3521	
21:40:00	1:22:20:00	12245.2805	12215.6054	29.6751	12.4795	12.3677	
22:00:00	1:22:40:00	12243.0332	12209.2190	33.8141	12.4888	12.3774	
22:20:00	1:23:00:00	12236.9398	12206.1623	30.7775	12.4981	12.3852	
22:40:00	1:23:20:00	12243.9577	12210.8084	33.1494	12.4944	12.3794	
23:00:00	1:23:40:00	12235.6879	12203.2335	32.4544	12.4609	12.3443	
23:20:00	2:00:00:00	12223.9434	12193.4466	30.4968	12.4405	12.3248	
23:40:00	2:00:20:00	12218.2570	12187.7068	30.5502	12.4275	12.3112	
Sep 13, 99 00:00:00	2:00:40:00	12204.3173	12174.5870	29.7303	12.4145	12.3014	
00:20:00	2:01:00:00	12193.3677	12164.3490	29.0187	12.4089	12.2956	
00:40:00	2:01:20:00	12189.7899	12159.4946	30.2953	12.4070	12.2936	
01:00:00	2:01:40:00	12192.7717	12161.5775	31.1942	12.3977	12.2819	
01:20:00	2:02:00:00	12181.6932	12151.2591	30.4342	12.3364	12.2156	
01:40:00	2:02:20:00	12189.0901	12156.9343	32.1557	12.2973	12.1786	
02:00:00	2:02:40:00	12182.9280	12152.7865	30.1415	12.2750	12.1591	
02:20:00	2:03:00:00	12182.8324	12151.7543	31.0781	12.2582	12.1415	
02:40:00	2:03:20:00	12176.4370	12144.4263	32.0107	12.2396	12.1220	
03:00:00	2:03:40:00	12192.0676	12160.6953	31.3722	12.2136	12.0967	
03:20:00	2:04:00:00	12194.0073	12164.0639	29.9434	12.1578	12.0381	
03:40:00	2:04:20:00	12197.1141	12166.8945	30.2196	12.1206	12.0011	
04:00:00	2:04:40:00	12192.2289	12159.9277	32.3012	12.0926	11.9757	
04:20:00	2:05:00:00	12192.2349	12163.3671	28.8678	12.0722	11.9562	
04:40:00	2:05:20:00	12193.2357	12160.7625	32.4732	12.0610	11.9464	
05:00:00	2:05:40:00	12189.8298	12159.5578	30.2720	12.0498	11.9328	

Data							
9449Q-16E		9449Q-16E	9448Q-16E	9449Q-16E s 9448Q-16E	9449Q-16E	9448Q-16E	
Real Time (mmm dd,yy 24 hr)	Elapsed Time DD:HH:MM:SS)	Pressure (KPa G)	Pressure (KPa G)	Press. Diff. (KPa)	Temperature (DegC)	Temperature (DegC)	Comments
05:20:00	2:06:00:00	12201.0077	12170.6692	30.3386	12.0331	11.9171	stopped pumping
05:40:00	2:06:20:00	11274.1413	11251.4643	22.6769	12.0759	11.9737	
06:00:00	2:06:40:00	11133.4671	11110.0538	23.4134	12.4628	12.5411	
06:20:00	2:07:00:00	11024.3073	11001.3131	22.9942	12.9922	13.0530	
06:40:00	2:07:20:00	10929.8744	10907.5621	22.3123	13.5041	13.4981	
07:00:00	2:07:40:00	10848.4241	10826.5100	21.9141	13.9782	13.8883	
07:20:00	2:08:00:00	10776.3440	10756.1072	20.2368	14.3981	14.2412	
07:40:00	2:08:20:00	10711.8807	10691.8044	20.0763	14.7805	14.5627	
08:00:00	2:08:40:00	10653.0430	10633.3634	19.6796	15.1238	14.8472	
08:20:00	2:09:00:00	10597.9792	10578.7288	19.2504	15.4243	15.1160	
08:40:00	2:09:20:00	10545.5577	10526.7784	18.7793	15.7098	15.3710	
09:00:00	2:09:40:00	10495.1951	10476.9523	18.2428	15.9785	15.6104	
09:20:00	2:10:00:00	10446.2490	10428.4263	17.8227	16.2194	15.8091	
09:40:00	2:10:20:00	10398.5157	10381.0633	17.4524	16.4381	16.0250	
10:00:00	2:10:40:00	10351.4547	10334.4385	17.0162	16.6438	16.2081	
10:20:00	2:11:00:00	10305.2298	10288.7504	16.4794	16.8384	16.4180	
10:40:00	2:11:20:00	10259.8948	10243.5734	16.3214	17.0054	16.5566	
11:00:00	2:11:40:00	10215.5995	10199.5239	16.0756	17.1851	16.7124	
11:20:00	2:12:00:00	10171.6684	10156.0553	15.6131	17.3390	16.8451	
11:40:00	2:12:20:00	10128.4808	10113.1569	15.3238	17.4746	17.0008	
12:00:00	2:12:40:00	10085.9309	10071.0488	14.8821	17.6046	17.1506	
12:20:00	2:13:00:00	10044.1959	10029.4552	14.7407	17.7437	17.2601	
12:40:00	2:13:20:00	10003.1099	9988.7005	14.4094	17.8663	17.3695	
13:00:00	2:13:40:00	9962.5643	9948.3721	14.1921	17.9559	17.5000	
13:20:00	2:14:00:00	9922.5329	9908.6605	13.8724	18.0693	17.6036	
13:40:00	2:14:20:00	9883.5102	9870.0061	13.5040	18.1753	17.7340	
14:00:00	2:14:40:00	9844.9910	9831.6555	13.3355	18.2631	17.8145	
14:20:00	2:15:00:00	9807.0443	9794.0760	12.9683	18.3489	17.9237	
14:40:00	2:15:20:00	9769.4724	9756.9161	12.5562	18.4403	18.0406	
15:00:00	2:15:40:00	9732.7732	9720.4955	12.2778	18.5023	18.1345	
15:20:00	2:16:00:00	9696.6601	9684.9143	11.7458	18.5754	18.2417	
15:40:00	2:16:20:00	9660.3409	9649.6476	10.6933	18.6557	18.2761	
16:00:00	2:16:40:00	9624.6838	9615.1435	9.5403	18.7159	18.3527	
16:20:00	2:17:00:00	9587.4133	9581.2063	6.2070	18.7944	18.4254	
16:40:00	2:17:20:00	9552.7726	9547.8208	4.9518	18.8381	18.5421	
17:00:00	2:17:40:00	9525.8788	9514.9023	10.9765	18.9111	18.6166	
17:20:00	2:18:00:00	9494.4364	9482.7507	11.6857	18.9512	18.6702	
17:40:00	2:18:20:00	9463.3974	9451.0346	12.3628	18.9986	18.7409	
18:00:00	2:18:40:00	9432.3775	9419.5878	12.7897	19.0570	18.7925	
18:20:00	2:19:00:00	9401.7368	9388.9916	12.7453	19.1116	18.8823	
18:40:00	2:19:20:00	9371.4397	9358.8137	12.6259	19.1663	18.9110	
19:00:00	2:19:40:00	9341.5087	9328.9108	12.5978	19.2100	18.9511	
19:20:00	2:20:00:00	9312.1965	9299.6766	12.5198	19.2611	18.9893	
19:40:00	2:20:20:00	9283.1900	9270.8863	12.3037	19.3030	19.0389	
20:00:00	2:20:40:00	9254.7455	9242.5602	12.1853	19.3449	19.0962	
20:20:00	2:21:00:00	9226.6586	9214.5829	12.0757	19.3940	19.1478	
20:40:00	2:21:20:00	9198.9408	9186.8634	12.0774	19.4323	19.1764	
21:00:00	2:21:40:00	9171.6668	9159.8766	11.7903	19.4905	19.2470	
21:20:00	2:22:00:00	9144.9301	9133.1178	11.8123	19.5342	19.2890	
21:40:00	2:22:20:00	9118.4283	9106.6760	11.7522	19.5633	19.2699	
22:00:00	2:22:40:00	9092.5067	9080.9697	11.5370	19.6034	19.3672	
22:20:00	2:23:00:00	9066.9082	9055.4037	11.5045	19.6289	19.3939	
22:40:00	2:23:20:00	9041.6967	9030.2423	11.4545	19.6671	19.4416	
23:00:00	2:23:40:00	9016.7978	9005.4110	11.3867	19.7126	19.4626	
23:20:00	3:00:00:00	8992.2998	8981.0067	11.2931	19.7362	19.5007	
23:40:00	3:00:20:00	8967.9552	8956.7175	11.2377	19.7617	19.5198	
Sep 14, 99 00:00:00	3:00:40:00	8944.2370	8933.2106	11.0264	19.7853	19.6018	
00:20:00	3:01:00:00	8920.8123	8909.6524	11.1599	19.8181	19.6056	

Data							
9449Q-16E		9449Q-16E	9448Q-16E	9449Q-16E s 9448Q-16E	9449Q-16E	9448Q-16E	
Real Time (mmm dd,yy 24 hr)	Elapsed Time DD:HH:MM:SS)	Pressure (KPa G)	Pressure (KPa G)	Press. Diff. (KPa)	Temperature (DegC)	Temperature (DegC)	Comments
00:40:00	3:01:20:00	8897.7865	8886.7900	10.9964	19.8581	19.6208	
01:00:00	3:01:40:00	8875.0581	8864.0632	10.9949	19.8944	19.6551	
01:20:00	3:02:00:00	8852.6186	8841.7439	10.8747	19.9199	19.6685	
01:40:00	3:02:20:00	8830.5886	8819.6465	10.9421	19.9435	19.6837	
02:00:00	3:02:40:00	8808.7332	8798.0336	10.6997	19.9872	19.7199	
02:20:00	3:03:00:00	8787.1029	8776.4128	10.6902	20.0017	19.7637	
02:40:00	3:03:20:00	8765.9666	8755.3356	10.6310	20.0308	19.7790	
03:00:00	3:03:40:00	8744.9275	8734.2901	10.6374	20.0508	19.8190	
03:20:00	3:04:00:00	8724.1997	8713.7117	10.4880	20.0780	19.8590	
03:40:00	3:04:20:00	8703.7353	8693.3089	10.4264	20.1089	19.8914	
04:00:00	3:04:40:00	8683.4271	8672.9205	10.5066	20.1453	19.8723	
04:20:00	3:05:00:00	8663.4235	8652.9908	10.4327	20.1616	19.8876	
04:40:00	3:05:20:00	8643.7411	8633.5164	10.2247	20.1961	19.9276	
05:00:00	3:05:40:00	8624.3844	8614.0779	10.3065	20.2088	19.9295	
05:20:00	3:06:00:00	8605.0139	8594.8044	10.2095	20.2306	19.9580	
05:40:00	3:06:20:00	8585.8397	8575.7761	10.0637	20.2543	19.9752	
06:00:00	3:06:40:00	8566.9424	8556.8766	10.0658	20.2724	20.0209	
06:20:00	3:07:00:00	8548.2648	8538.2390	10.0258	20.2942	20.0494	
06:40:00	3:07:20:00	8529.7543	8519.7449	10.0094	20.3087	20.0342	
07:00:00	3:07:40:00	8511.4926	8501.5582	9.9345	20.3360	20.0684	
07:20:00	3:08:00:00	8493.4619	8483.7118	9.7501	20.3541	20.0837	
07:40:00	3:08:20:00	8475.8967	8466.0249	9.8718	20.3850	20.1351	
08:00:00	3:08:40:00	8458.4020	8448.4271	9.9749	20.4250	20.1103	
08:20:00	3:09:00:00	8441.1535	8431.3369	9.8167	20.4159	20.1427	
08:40:00	3:09:20:00	8424.0433	8414.2132	9.8301	20.4177	20.1579	
09:00:00	3:09:40:00	8407.2424	8397.4551	9.7874	20.4268	20.1788	
09:20:00	3:10:00:00	8390.4739	8380.6590	9.8148	20.4522	20.1617	
09:40:00	3:10:20:00	8373.9835	8364.3483	9.6352	20.4721	20.2074	
10:00:00	3:10:40:00	8357.7717	8348.0184	9.7534	20.4867	20.2093	
10:20:00	3:11:00:00	8341.7997	8332.1925	9.6073	20.5030	20.2492	
10:40:00	3:11:20:00	8325.9740	8316.2986	9.6754	20.5103	20.2435	
11:00:00	3:11:40:00	8310.2475	8300.5953	9.6522	20.5393	20.2625	
11:20:00	3:12:00:00	8294.6899	8285.1521	9.5378	20.5611	20.2625	
11:40:00	3:12:20:00	8279.3394	8269.7997	9.5396	20.5647	20.2740	
12:00:00	3:12:40:00	8264.2534	8254.7242	9.5292	20.5756	20.3006	
12:20:00	3:13:00:00	8249.1426	8239.6110	9.5317	20.5810	20.3082	
12:40:00	3:13:20:00	8234.2145	8224.7137	9.5008	20.6046	20.3063	
13:00:00	3:13:40:00	8219.3432	8210.0488	9.2943	20.6119	20.3500	
13:20:00	3:14:00:00	8204.8245	8195.4239	9.4006	20.6300	20.3729	
13:40:00	3:14:20:00	8190.3519	8180.9225	9.4294	20.6554	20.4052	
14:00:00	3:14:40:00	8176.0509	8166.7302	9.3207	20.6772	20.4090	
14:20:00	3:15:00:00	8161.9776	8152.6619	9.3157	20.6718	20.4223	
14:40:00	3:15:20:00	8147.9143	8138.6517	9.2626	20.6917	20.4185	
15:00:00	3:15:40:00	8133.9136	8124.6563	9.2573	20.7062	20.4394	
15:20:00	3:16:00:00	8120.1089	8110.8943	9.2146	20.7225	20.4337	
15:40:00	3:16:20:00	8106.4577	8097.3795	9.0782	20.7443	20.4470	
16:00:00	3:16:40:00	8092.9809	8083.8415	9.1394	20.7697	20.4546	
16:20:00	3:17:00:00	8079.4980	8070.2331	9.2649	20.7769	20.4660	
16:40:00	3:17:20:00	8066.1847	8057.0814	9.1033	20.7697	20.4850	
17:00:00	3:17:40:00	8053.0729	8043.9467	9.1262	20.7824	20.4869	
17:20:00	3:18:00:00	8040.0699	8031.0276	9.0422	20.7969	20.5002	
17:40:00	3:18:20:00	8027.1757	8018.1509	9.0247	20.8132	20.5135	
18:00:00	3:18:40:00	8014.5395	8005.6003	8.9392	20.8187	20.5231	
18:20:00	3:19:00:00	8001.9269	7992.8787	9.0482	20.8332	20.5326	
18:40:00	3:19:20:00	7989.3596	7980.5000	8.8596	20.8585	20.5535	
19:00:00	3:19:40:00	7977.0900	7968.0379	9.0521	20.8513	20.5421	
19:20:00	3:20:00:00	7964.8654	7955.7749	9.0905	20.8513	20.5820	
19:40:00	3:20:20:00	7952.6015	7943.7055	8.8959	20.8767	20.5839	

Data							
9449Q-16E		9449Q-16E	9448Q-16E	9449Q-16E s 9448Q-16E	9449Q-16E	9448Q-16E	
Real Time (mmm dd,yy 24 hr)	Elapsed Time DD:HH:MM:SS)	Pressure (KPa G)	Pressure (KPa G)	Press. Diff. (KPa)	Temperature (DegC)	Temperature (DegC)	Comments
	20:00:00	3:20:40:00	7940.4652	7931.6238	8.8414	20.8876	20.6048
	20:20:00	3:21:00:00	7928.6086	7919.5614	9.0471	20.8785	20.6086
	20:40:00	3:21:20:00	7916.7750	7907.8258	8.9492	20.8785	20.6086
	21:00:00	3:21:40:00	7905.0070	7896.1560	8.8510	20.8803	20.6371
	21:20:00	3:22:00:00	7893.3934	7884.4771	8.9163	20.9021	20.6409
	21:40:00	3:22:20:00	7881.6919	7872.8481	8.8438	20.9202	20.6466
	22:00:00	3:22:40:00	7870.6194	7861.7378	8.8816	20.9220	20.6428
	22:20:00	3:23:00:00	7859.7422	7850.9837	8.7585	20.9184	20.6656
	22:40:00	3:23:20:00	7848.4968	7839.6956	8.8012	20.9383	20.6713
	23:00:00	3:23:40:00	7837.2065	7828.4852	8.7213	20.9401	20.6979
	23:20:00	4:00:00:00	7826.2205	7817.3466	8.8738	20.9383	20.6751
	23:40:00	4:00:20:00	7815.3660	7806.5339	8.8320	20.9655	20.7055
Sep 15, 99	00:00:00	4:00:40:00	7804.5541	7795.7793	8.7748	20.9818	20.6941
	00:20:00	4:01:00:00	7793.8288	7785.1026	8.7262	21.0054	20.6922
	00:40:00	4:01:20:00	7783.2774	7774.5588	8.7186	20.9999	20.7264
	01:00:00	4:01:40:00	7772.7914	7763.9951	8.7963	20.9891	20.7321
	01:20:00	4:02:00:00	7762.4572	7753.7588	8.6984	21.0054	20.7340
	01:40:00	4:02:20:00	7752.0784	7743.2386	8.8398	21.0362	20.7283
	02:00:00	4:02:40:00	7741.7009	7733.1164	8.5845	21.0307	20.7264
	02:20:00	4:03:00:00	7731.4543	7722.8279	8.6264	21.0217	20.7492
	02:40:00	4:03:20:00	7721.4022	7712.7042	8.6980	21.0325	20.7587
	03:00:00	4:03:40:00	7711.4153	7702.7784	8.6369	21.0416	20.7758
	03:20:00	4:04:00:00	7701.4929	7692.9461	8.5469	21.0561	20.7833
	03:40:00	4:04:20:00	7691.6585	7682.8781	8.7803	21.0597	20.7492
	04:00:00	4:04:40:00	7681.8450	7673.2830	8.5620	21.0688	20.7871
	04:20:00	4:05:00:00	7672.0103	7663.4116	8.5987	21.0724	20.7720
	04:40:00	4:05:20:00	7662.3748	7653.7633	8.6114	21.0489	20.7833
	05:00:00	4:05:40:00	7652.7323	7644.1261	8.6062	21.0797	20.8099
	05:20:00	4:06:00:00	7643.1359	7634.5875	8.5484	21.0887	20.8042
	05:40:00	4:06:20:00	7633.6478	7625.1562	8.4916	21.0996	20.8289
	06:00:00	4:06:40:00	7624.2673	7615.8056	8.4616	21.1159	20.8403
	06:20:00	4:07:00:00	7614.9520	7606.4042	8.5478	21.1304	20.8251
	06:40:00	4:07:20:00	7605.7692	7597.1736	8.5956	21.1340	20.8099
	07:00:00	4:07:40:00	7596.4970	7587.9311	8.5659	21.1485	20.8156
	07:20:00	4:08:00:00	7587.4469	7578.9821	8.4647	21.1413	20.8688
	07:40:00	4:08:20:00	7578.3073	7569.7747	8.5327	21.1449	20.8479
	08:00:00	4:08:40:00	7569.2326	7560.9226	8.3100	21.1503	20.8802
	08:20:00	4:09:00:00	7560.4223	7551.8105	8.6118	21.1413	20.8498
	08:40:00	4:09:20:00	7551.4540	7542.8136	8.6404	21.1557	20.8650
	09:00:00	4:09:40:00	7542.4660	7533.7969	8.6691	21.1612	20.8498
	09:20:00	4:10:00:00	7533.8909	7525.3838	8.5071	21.1684	20.8859
	09:40:00	4:10:20:00	7525.3329	7516.8760	8.4568	21.1920	20.8821
	10:00:00	4:10:40:00	7516.6947	7508.3218	8.3728	21.1902	20.8897
	10:20:00	4:11:00:00	7508.1233	7499.6989	8.4244	21.1829	20.8897
	10:40:00	4:11:20:00	7499.5053	7491.1664	8.3389	21.1865	20.9163
	11:00:00	4:11:40:00	7490.9138	7482.5731	8.3407	21.1739	20.9125
	11:20:00	4:12:00:00	7482.4296	7473.8751	8.5545	21.1666	20.9030
	11:40:00	4:12:20:00	7473.8282	7465.4292	8.3990	21.1865	20.9049
	12:00:00	4:12:40:00	7465.3817	7456.9000	8.4817	21.1974	20.9201
	12:20:00	4:13:00:00	7457.0172	7448.5756	8.4415	21.2228	20.9201
	12:40:00	4:13:20:00	7448.7256	7440.2640	8.4617	21.2246	20.9239
	13:00:00	4:13:40:00	7440.4723	7432.1629	8.3095	21.2409	20.9523
	13:20:00	4:14:00:00	7432.3574	7424.0944	8.2630	21.2354	20.9523
	13:40:00	4:14:20:00	7424.1711	7415.6828	8.4883	21.2463	20.9390
	14:00:00	4:14:40:00	7416.0323	7407.6221	8.4101	21.2463	20.9542
	14:20:00	4:15:00:00	7408.0451	7399.7696	8.2754	21.2481	20.9808
	14:40:00	4:15:20:00	7400.0354	7391.4836	8.5517	21.2517	20.9409
	15:00:00	4:15:40:00	7392.0887	7383.7415	8.3472	21.2608	20.9751

Data							
9449Q-16E		9449Q-16E	9448Q-16E	9449Q-16E	9449Q-16E	9448Q-16E	
Real Time (mmm dd,yy 24 hr)		Elapsed Time DD:HH:MM:SS	Pressure (KPa G)	Pressure (KPa G)	Press. Diff. (KPa)	Temperature (DegC)	Temperature (DegC)
					s 9448Q-16E		Comments
15:20:00		4:16:00:00	7384.1448	7375.7997	8.3451	21.2626	20.9618
15:40:00		4:16:20:00	7376.3765	7368.0861	8.2904	21.2608	20.9789
16:00:00		4:16:40:00	7368.5360	7360.2130	8.3231	21.2753	20.9865
16:20:00		4:17:00:00	7360.8112	7352.5959	8.2154	21.2735	20.9941
16:40:00		4:17:20:00	7353.0880	7344.8079	8.2801	21.2680	21.0017
17:00:00		4:17:40:00	7345.5534	7337.0365	8.5169	21.2789	20.9751
17:20:00		4:18:00:00	7337.8979	7329.5845	8.3134	21.2680	20.9941
17:40:00		4:18:20:00	7330.2970	7321.8025	8.4946	21.2807	21.0036
18:00:00		4:18:40:00	7322.7237	7314.1842	8.5394	21.2807	20.9846
18:20:00		4:19:00:00	7315.1852	7306.9209	8.2643	21.2988	21.0093
18:40:00		4:19:20:00	7307.7632	7299.4070	8.3562	21.3006	21.0226
19:00:00		4:19:40:00	7300.3707	7292.0940	8.2767	21.2861	21.0055
19:20:00		4:20:00:00	7292.9815	7284.5006	8.4809	21.3097	21.0207
19:40:00		4:20:20:00	7285.6446	7277.1816	8.4630	21.3151	21.0283
20:00:00		4:20:40:00	7278.4210	7270.1488	8.2722	21.3115	21.0453
20:20:00		4:21:00:00	7271.1857	7262.8665	8.3192	21.2879	21.0377
20:40:00		4:21:20:00	7263.9719	7255.6445	8.3274	21.3079	21.0491
21:00:00		4:21:40:00	7256.7805	7248.4350	8.3454	21.3260	21.0510
21:20:00		4:22:00:00	7249.6231	7241.2015	8.4216	21.3205	21.0453
21:40:00		4:22:20:00	7242.6340	7234.2474	8.3866	21.3260	21.0605
22:00:00		4:22:40:00	7235.5390	7227.1727	8.3663	21.3260	21.0510
22:20:00		4:23:00:00	7228.4212	7220.1406	8.2806	21.3278	21.0415
22:40:00		4:23:20:00	7221.5478	7213.3264	8.2214	21.3205	21.0605
23:00:00		4:23:40:00	7214.7493	7206.3529	8.3965	21.3350	21.0833
23:20:00		5:00:00:00	7207.5879	7199.2960	8.2919	21.3368	21.0795
23:40:00		5:00:20:00	7200.9446	7192.5972	8.3474	21.3459	21.0947
Sep 16, 99	00:00:00	5:00:40:00	7194.3717	7186.0291	8.3426	21.3459	21.0833
	00:20:00	5:01:00:00	7187.7304	7179.3433	8.3870	21.3513	21.0890
	00:40:00	5:01:20:00	7181.0019	7172.6943	8.3075	21.3567	21.0928
	01:00:00	5:01:40:00	7174.2069	7165.8083	8.3986	21.3640	21.0890
	01:20:00	5:02:00:00	7167.2923	7158.7941	8.4982	21.3531	21.0852
	01:40:00	5:02:20:00	7160.6964	7152.3878	8.3086	21.3549	21.0985
	02:00:00	5:02:40:00	7153.8740	7145.6901	8.1839	21.3712	21.1004
	02:20:00	5:03:00:00	7147.2825	7139.0075	8.2750	21.3658	21.0795
	02:40:00	5:03:20:00	7140.6202	7132.5196	8.1005	21.3694	21.1080
	03:00:00	5:03:40:00	7133.9829	7125.9615	8.0214	21.3676	21.1136
	03:20:00	5:04:00:00	7127.2816	7119.2113	8.0702	21.3640	21.0985
	03:40:00	5:04:20:00	7120.8962	7112.9367	7.9595	21.3767	21.0852
	04:00:00	5:04:40:00	7114.4901	7106.4886	8.0015	21.3875	21.1269
	04:20:00	5:05:00:00	7108.0245	7100.0779	7.9466	21.3893	21.1250
	04:40:00	5:05:20:00	7101.6616	7093.3822	8.2794	21.4002	21.1136
	05:00:00	5:05:40:00	7095.2395	7087.0085	8.2309	21.4020	21.1098
	05:20:00	5:06:00:00	7088.9840	7081.0084	7.9755	21.4147	21.1307
	05:40:00	5:06:20:00	7082.3540	7074.7403	7.6137	21.4020	21.1478
	06:00:00	5:06:40:00	7075.9753	7068.3723	7.6030	21.4038	21.1459
	06:20:00	5:07:00:00	7068.2136	7062.1209	6.0927	21.3911	21.1402
	06:40:00	5:07:20:00	7062.9771	7055.9578	7.0194	21.4092	21.1212
	07:00:00	5:07:40:00	7057.1796	7049.7777	7.4019	21.4201	21.1250
	07:20:00	5:08:00:00	7050.2169	7043.6887	6.5282	21.4165	21.1307
	07:40:00	5:08:20:00	7043.9456	7037.3177	6.6279	21.4201	21.1421
	08:00:00	5:08:40:00	7037.9327	7031.3967	6.5361	21.4273	21.1326
	08:20:00	5:09:00:00	7031.0340	7025.4494	5.5846	21.4255	21.1573
	08:40:00	5:09:20:00	7024.3299	7019.4148	4.9151	21.4255	21.1383
	09:00:00	5:09:40:00	7016.4503	7013.4850	2.9653	21.4255	21.1402
	09:20:00	5:10:00:00	7012.2602	7007.2023	5.0579	21.4400	21.1383
	09:40:00	5:10:20:00	7004.8594	7001.3748	3.4846	21.4400	21.1459
	10:00:00	5:10:40:00	6995.8969	6995.8258	0.0710	21.4328	21.1611
	10:20:00	5:11:00:00	6989.8836	6989.8049	0.0787	21.4400	21.1611

Data							
9449Q-16E		9449Q-16E	9448Q-16E	9449Q-16E s 9448Q-16E	9449Q-16E	9448Q-16E	
Real Time (mmm dd,yy 24 hr)	Elapsed Time DD:HH:MM:SS)	Pressure (KPa G)	Pressure (KPa G)	Press. Diff. (KPa)	Temperature (DegC)	Temperature (DegC)	Comments
10:40:00	5:11:20:00	6983.6841	6984.0216	-0.3375	21.4346	21.1838	
11:00:00	5:11:40:00	6978.4860	6977.9988	0.4872	21.4291	21.1687	
11:20:00	5:12:00:00	6973.9872	6972.5790	1.4082	21.4201	21.1990	
11:40:00	5:12:20:00	6968.4555	6966.7397	1.7158	21.4237	21.2028	
12:00:00	5:12:40:00	6961.0552	6961.0326	0.0225	21.4509	21.1933	
12:20:00	5:13:00:00	6955.2592	6955.0748	0.1844	21.4581	21.1857	
12:40:00	5:13:20:00	6949.8376	6949.6199	0.2177	21.4599	21.1895	
13:00:00	5:13:40:00	6945.1851	6943.8370	1.3482	21.4527	21.1687	
13:20:00	5:14:00:00	6940.0247	6938.4840	1.5407	21.4545	21.1781	
13:40:00	5:14:20:00	6934.8208	6932.9669	1.8539	21.4563	21.2047	
14:00:00	5:14:40:00	6929.8809	6927.3496	2.5314	21.4545	21.1819	
14:20:00	5:15:00:00	6923.4896	6921.8036	1.6859	21.4708	21.1838	
14:40:00	5:15:20:00	6919.1217	6916.2412	2.8804	21.4617	21.1800	
15:00:00	5:15:40:00	6913.7202	6910.6646	3.0556	21.4653	21.2009	
15:20:00	5:16:00:00	6908.7804	6905.1876	3.5928	21.4635	21.1971	
15:40:00	5:16:20:00	6903.6198	6899.9395	3.6803	21.4653	21.1838	
16:00:00	5:16:40:00	6898.2182	6894.4913	3.7269	21.4690	21.2199	
16:20:00	5:17:00:00	6893.2116	6889.0143	4.1972	21.4690	21.2161	
16:40:00	5:17:20:00	6887.6296	6883.8573	3.7723	21.4798	21.2047	
17:00:00	5:17:40:00	6882.8903	6878.1987	4.6916	21.4726	21.1971	
17:20:00	5:18:00:00	6877.6394	6873.1920	4.4474	21.4780	21.2085	
17:40:00	5:18:20:00	6872.4585	6867.9344	4.5241	21.4780	21.2218	
18:00:00	5:18:40:00	6867.8063	6862.7883	5.0181	21.4708	21.2142	
18:20:00	5:19:00:00	6862.3983	6857.4817	4.9166	21.4816	21.1952	
18:40:00	5:19:20:00	6857.4117	6852.5713	4.8404	21.4834	21.2256	
19:00:00	5:19:40:00	6852.5588	6847.2705	5.2884	21.4816	21.2237	
19:20:00	5:20:00:00	6847.1506	6842.1616	4.9890	21.4925	21.1990	
19:40:00	5:20:20:00	6842.2139	6837.0960	5.1179	21.4871	21.2350	
20:00:00	5:20:40:00	6837.0933	6831.7845	5.3089	21.4925	21.2294	
20:20:00	5:21:00:00	6831.9928	6826.3769	5.6160	21.4997	21.2047	
20:40:00	5:21:20:00	6826.8923	6821.6951	5.1972	21.5070	21.2407	
21:00:00	5:21:40:00	6822.1766	6816.7461	5.4305	21.4979	21.2578	
21:20:00	5:22:00:00	6817.3640	6811.5634	5.8006	21.4997	21.2218	
21:40:00	5:22:20:00	6812.4976	6806.5453	5.9522	21.4889	21.2294	
22:00:00	5:22:40:00	6807.6414	6801.7883	5.8532	21.4907	21.2540	
22:20:00	5:23:00:00	6802.8354	6796.8770	5.9584	21.4852	21.2540	
22:40:00	5:23:20:00	6797.8855	6791.9066	5.9789	21.4943	21.2635	
23:00:00	5:23:40:00	6793.1833	6786.9912	6.1921	21.4943	21.2313	
23:20:00	6:00:00:00	6788.3639	6782.4631	5.9008	21.5033	21.2616	
23:40:00	6:00:20:00	6783.6181	6777.3599	6.2582	21.5033	21.2540	
Sep 17, 99 00:00:00	6:00:40:00	6778.7114	6772.6899	6.0215	21.5124	21.2331	
00:20:00	6:01:00:00	6773.9588	6767.7786	6.1801	21.5196	21.2331	
00:40:00	6:01:20:00	6769.1729	6763.1228	6.0500	21.5160	21.2483	
01:00:00	6:01:40:00	6764.6116	6758.5199	6.0917	21.5052	21.2673	
01:20:00	6:02:00:00	6759.9833	6753.7220	6.2612	21.4961	21.2464	
01:40:00	6:02:20:00	6755.2506	6748.8576	6.3930	21.5052	21.2635	
02:00:00	6:02:40:00	6750.5214	6744.2503	6.2710	21.5106	21.2654	
02:20:00	6:03:00:00	6745.7590	6739.5110	6.2481	21.5052	21.2502	
02:40:00	6:03:20:00	6741.0933	6734.7045	6.3888	21.5124	21.2730	
03:00:00	6:03:40:00	6736.4580	6730.0662	6.3919	21.5106	21.2635	
03:20:00	6:04:00:00	6731.7922	6725.3852	6.4070	21.5178	21.2540	
03:40:00	6:04:20:00	6727.1711	6720.7816	6.3895	21.5015	21.2730	
04:00:00	6:04:40:00	6722.4510	6716.0786	6.3724	21.5196	21.2711	
04:20:00	6:05:00:00	6717.8921	6711.2541	6.6380	21.5287	21.2559	
04:40:00	6:05:20:00	6713.1824	6706.7373	6.4451	21.5359	21.2597	
05:00:00	6:05:40:00	6708.6651	6702.3162	6.3488	21.5251	21.2673	
05:20:00	6:06:00:00	6704.1369	6697.6815	6.4553	21.5251	21.2749	
05:40:00	6:06:20:00	6699.5814	6693.0741	6.5073	21.5305	21.2768	

Data

9449Q-16E		9449Q-16E	9448Q-16E	9449Q-16E s 9448Q-16E	9449Q-16E	9448Q-16E	
Real Time (mmm dd,yy 24 hr)	Elapsed Time DD:HH:MM:SS)	Pressure (KPa G)	Pressure (KPa G)	Press. Diff. (KPa)	Temperature (DegC)	Temperature (DegC)	Comments
06:00:00	6:06:40:00	6695.0767	6688.4053	6.6715	21.5287	21.2559	
06:20:00	6:07:00:00	6690.4776	6684.0505	6.4272	21.5341	21.2881	
06:40:00	6:07:20:00	6686.0401	6679.5660	6.4741	21.5305	21.2881	
07:00:00	6:07:40:00	6681.5465	6675.0765	6.4701	21.5178	21.2862	
07:20:00	6:08:00:00	6677.1688	6670.4588	6.7101	21.5196	21.2844	
07:40:00	6:08:20:00	6672.4826	6665.8533	6.6293	21.5251	21.2711	
08:00:00	6:08:40:00	6637.7357	6632.6732	5.0625	21.7240	21.6047	
08:20:00	6:09:00:00	6600.3943	6634.3290	-33.9347	21.6860	21.5156	
08:27:00	6:09:07:00	6610.0949	6604.3575	5.7375	21.7692	21.6596	off bottom
08:47:00	6:09:27:00	-25.6774	1.7852	-27.4627	12.4014	10.9340	

Pressure & Temperature vs. Real Time

Company:

Lee Tool, Div. of Schlumberger

Field:

Undefined

Client:

Chevron Canada Resources

Well Name:

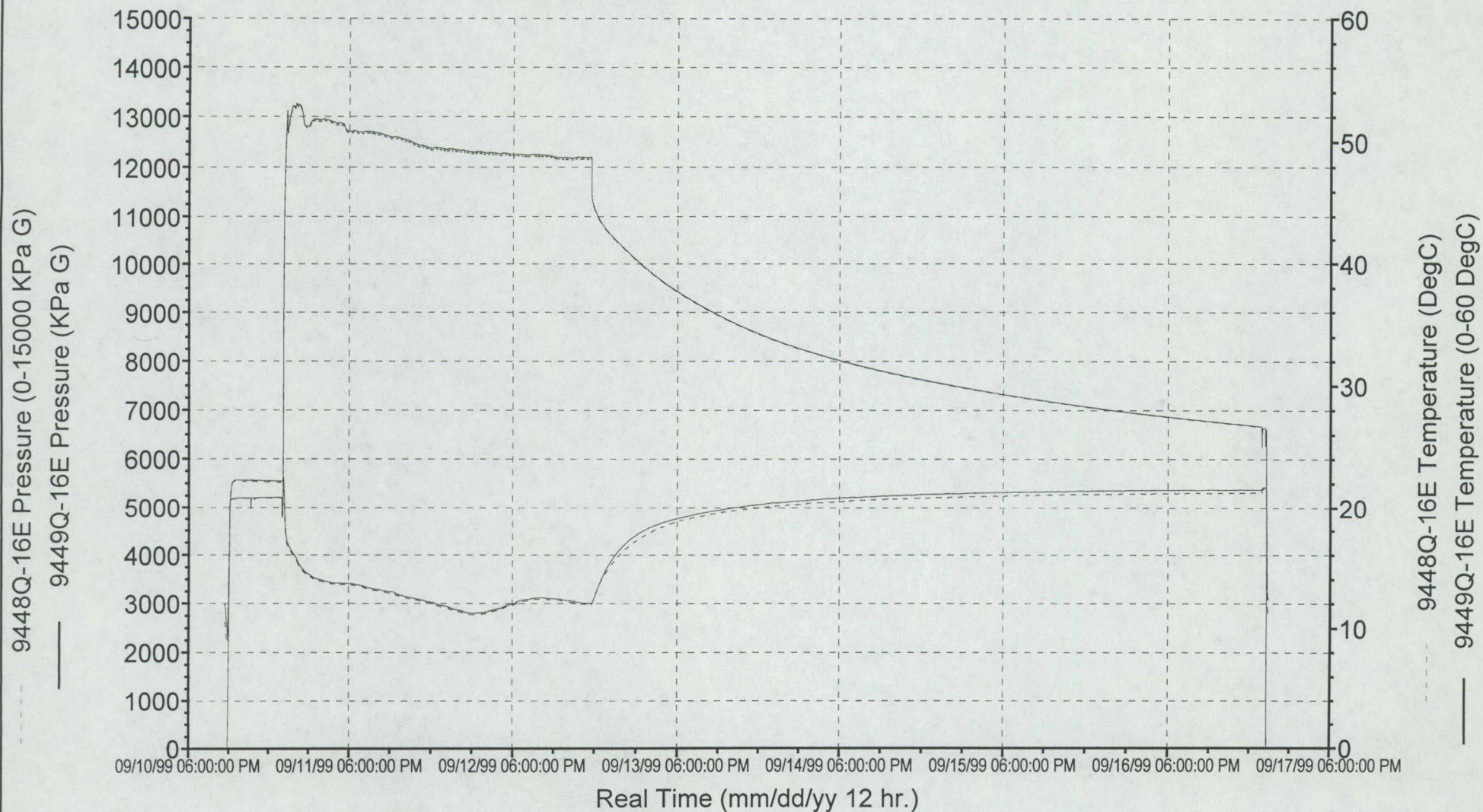
Chevron et al McKay Lakes

Remarks:

9449q-16e bottom recorder & 9448q-16e top recorder

Well Number:

0-80



Pressure vs. Real Time

Company: Lee Tool, Div. of Schlumberger
Client: Chevron Canada Resources
Remarks: 9449q-16e bottom recorder & 9448q-16e top recorder

Field: Undefined
Well Name: Chevron et al McKay Lakes
Well Number: 0-80

