

T. 5.

N.E.B. COPY

APR 22 2001

**Paramount Fort Liard N-01
N-01
Fantasque Formation**

**Surface
Flow & Build up Test
June 4 – August 2, 2001**



GENERAL INFORMATION

Client Information:

Company: Paramount Resources Ltd.
Contact: Terry Stasiuk
Phone: 290-3600 Fax: 262-7994 e-mail:

Site Information:

Contact: Ryan Tober
Phone: (250)233-6430 Fax: e-mail:

Well Information:

Name: Paramount Fort Liard N-01
Operator: Paramount Resources Ltd.
Location-Downhole: N-01
Location-Surface: N-01

Test Information:

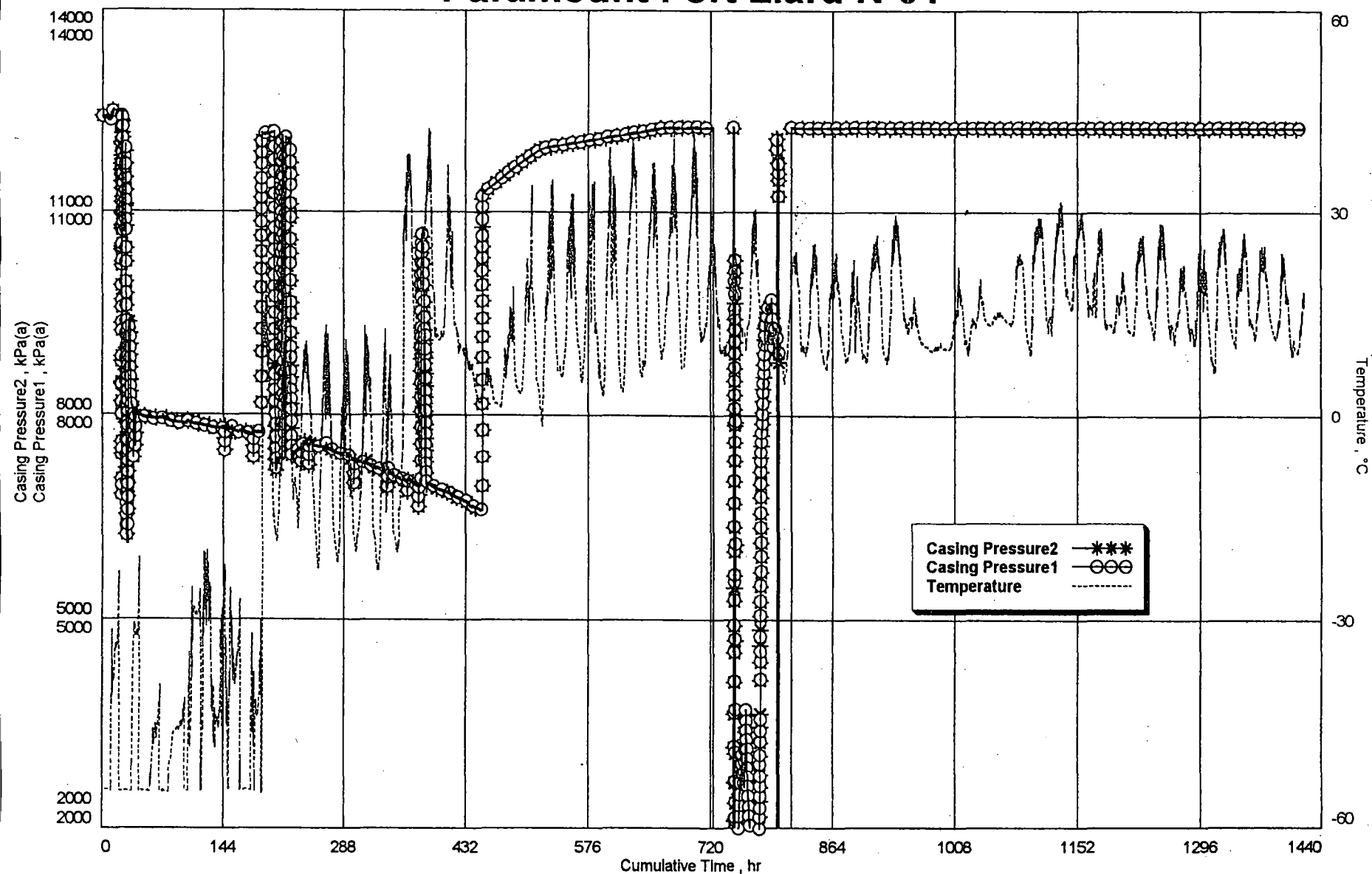
Company:	OPSCO Energy Ind. Ltd.	
Representative:	Lawrence Bews	
Supervisor:	Terry Biem	
Test Type:	Flow & Build up	Job Number:
Test Unit:	SDS #10031416	
Start Date:	2001/06/04	Start Time: 12:49:00
End Date:	2001/08/02	End Time: 16:07:00
Report Date:	2001/07/12	Prepared By: Dawn Strazza
<u>Remarks:</u>		Qualified By:

Pressures are reported as absolute (kPaa).
Fantasque perforated interval @ 145.5 - 1469 mKB.
NOTE: Temperature sensor#13027162 malfunctioned intermittently during test.

Paramount Resources Ltd.
N-01
Start Test Date: 2001/06/04
Final Test Date: 2001/08/02

Paramount Fort Liard N-01
Formation: Fantasque

Paramount Fort Liard N-01



Upcon

Paramount Resources Ltd.
N-01
Start Test Date: 2001/06/04
Final Test Date: 2001/08/02

FieldNotes
Field Measurements

Paramount Fort Liard N-01
Formation: Fantasque

	Date	Clock Time yyyy/mm/dd hh:mm:ss	Cum Time hr	Casing Pres1 kPa(a)	Casing Pres2 kPa(a)	Temp °C
1	2001/06/04	12:49:44	0.0000	Activate SDS unit #10031416.		
2				Sensor #12031450 - Casing pressure #1		
3				Sensor #12031438 - Casing pressure #2.		
4				Sensor #13027162 - Temperature, not on the well.		
5	2001/06/04	12:49:44	0.0000	12403.46	12413.12	23.3
6		15:14:26	2.4117	12394.51	12402.77	-54.6
7		17:38:26	4.8117	12373.27	12384.66	-54.5
8		20:02:27	7.2117	12364.48	12375.61	-54.6
9		22:27:26	9.6283	12384.12	12391.00	-54.7
10	2001/06/05	00:51:26	12.0283	12497.02	12491.68	-37.8
11		03:16:26	14.4450	12499.51	12493.79	-35.1
12		05:41:27	16.8617	12496.04	12490.44	-34.0
13		08:06:26	19.2783	12491.85	12490.36	-28.6
14		10:31:27	21.6950	12489.12	12491.11	-54.7
15		12:56:27	24.1117	11156.37	11162.19	-54.8
16		15:21:26	26.5283	11306.39	11312.68	-54.7
17		17:46:26	28.9450	6105.84	6116.02	-54.7
18		20:10:27	31.3450	9387.99	9393.53	-54.7
19		22:35:26	33.7617	8180.36	8186.97	-54.8
20	2001/06/06	01:00:27	36.1783	7711.80	7716.07	-33.6
21		03:25:26	38.5950	7676.28	7680.12	-32.5
22		05:50:26	41.0117	7992.36	7995.85	-32.0
23		08:15:27	43.4283	7974.95	7981.81	-54.7
24		10:40:26	45.8450	7967.27	7978.44	-54.6
25		13:05:27	48.2617	7950.86	7961.79	-54.6
26		15:30:27	50.6783	7946.90	7958.85	-54.7
27		17:55:27	53.0950	7941.70	7954.47	-54.6
28		20:20:26	55.5117	7941.24	7947.04	-54.8
29		22:45:27	57.9283	7932.82	7937.63	-51.0
30	2001/06/07	01:10:27	60.3450	7935.73	7939.82	-47.2
31		03:35:26	62.7617	7935.66	7939.93	-45.1
32		06:00:27	65.1783	7933.36	7937.80	-45.0
33		08:25:26	67.5950	7934.99	7941.21	-45.2
34		10:50:27	70.0117	7935.43	7944.32	-54.7
35		13:15:27	72.4283	7925.53	7938.84	-54.8
36		15:40:26	74.8450	7923.20	7936.12	-54.8
37		18:05:26	77.2617	7913.38	7919.78	-54.8
38		20:30:27	79.6783	7900.42	7905.44	-50.8
39		22:55:27	82.0950	7891.69	7896.39	-49.3
40	2001/06/08	01:20:26	84.5117	7888.62	7893.39	-46.3
41		03:45:26	86.9283	7878.28	7882.57	-46.1

Paramount Resources Ltd.
N-01
Start Test Date: 2001/06/04
Final Test Date: 2001/08/02

FieldNotes
Field Measurements

Paramount Fort Liard N-01
Formation: Fantasque

	Date	Clock Time yyyy/mm/dd hh:mm:ss	Cum Time hr	Casing Pres1 kPa(a)	Casing Pres2 kPa(a)	Temp °C
42	2001/06/08	06:10:27	89.3450	7870.27	7874.86	-45.5
43		08:35:27	91.7617	7874.85	7879.80	-45.4
44		11:00:27	94.1783	7876.81	7881.51	-45.1
45		13:25:26	96.5950	7864.48	7869.75	-42.7
46		15:50:27	99.0117	7868.66	7874.83	-54.7
47		18:15:27	101.4283	7893.60	7898.81	-53.9
48		20:40:27	103.8450	7880.14	7885.73	-47.7
49		23:05:26	106.2617	7860.54	7865.01	-30.7
50	2001/06/09	01:30:27	108.6783	7861.82	7865.75	-28.4
51		03:55:26	111.0950	7859.21	7863.61	-29.0
52		06:20:26	113.5117	7854.61	7858.87	-29.6
53		08:45:27	115.9283	7843.36	7848.66	-29.6
54		11:10:26	118.3450	7844.03	7852.08	-54.5
55		13:35:27	120.7617	7835.96	7846.31	-27.5
56		16:00:27	123.1783	7826.05	7834.70	-28.9
57		18:25:27	125.5950	7822.83	7833.21	-25.6
58		20:50:26	128.0117	7816.96	7828.15	-26.4
59		23:14:27	130.4117	7806.13	7809.51	-43.2
60	2001/06/10	01:38:27	132.8117	7806.79	7810.21	-44.5
61		04:02:27	135.2117	7808.11	7812.02	-44.0
62		06:26:27	137.6117	7805.56	7809.28	-45.6
63		08:50:27	140.0117	7800.23	7805.06	-33.9
64		11:14:26	142.4117	7800.41	7808.09	-33.3
65		13:38:26	144.8117	7795.14	7806.09	-24.1
66		16:02:27	147.2117	7810.79	7824.15	-44.3
67		18:26:27	149.6117	7804.32	7818.43	-54.4
68		20:51:27	152.0283	7785.95	7796.97	-25.5
69		23:15:27	154.4283	7775.40	7781.68	-38.1
70	2001/06/11	01:39:26	156.8283	7770.58	7773.84	-38.4
71		04:03:27	159.2283	7754.48	7758.45	-35.9
72		06:27:27	161.6283	7747.21	7750.31	-33.7
73		08:51:26	164.0283	7754.02	7759.53	-54.6
74		11:15:27	166.4283	7791.75	7802.46	-54.6
75		13:39:27	168.8283	7739.49	7753.31	-54.5
76		16:03:27	171.2283	7724.12	7739.85	-54.4
77		18:28:26	173.6450	7722.01	7736.42	-54.4
78		20:52:27	176.0450	7710.71	7724.10	-54.6
79		23:17:27	178.4617	7695.95	7701.10	-45.3
80	2001/06/12	01:41:27	180.8617	7750.43	7754.09	-54.7
81		04:05:26	183.2617	7725.23	7728.45	-43.4
82		06:29:27	185.6617	7743.38	7746.94	-41.8

Start Test Date: 2001/06/04

Final Test Date: 2001/08/02

	Date	Clock Time	Cum Time	Casing Pres1	Casing Pres2	Temp
	yyyy/mm/dd	hh:mm:ss	hr	kPa(a)	kPa(a)	°C
83	2001/06/12	08:53:26	188.0617	7733.52	7738.68	-35.5
84		11:00:27	190.1783	12158.77	12170.63	24.8
85		11:00:27	190.1783	Pause SDS unit and process data.		
86		11:27:30	190.6294	Reactivate unit.		
87		11:27:31	190.6297	12160.49	12145.04	25.7
88		13:51:31	193.0297	12160.29	12142.24	15.1
89		16:15:32	195.4297	12167.75	12150.65	8.3
90		18:40:32	197.8464	12175.72	12158.22	4.3
91		21:04:32	200.2464	12179.78	12166.41	-2.6
92		23:29:32	202.6631	12183.35	12174.76	-8.1
93	2001/06/13	01:53:32	205.0631	11767.96	11764.06	-16.1
94		04:17:31	207.4631	7302.94	7294.64	-18.4
95		06:41:31	209.8631	7322.37	7313.38	-15.2
96		09:05:32	212.2631	7389.65	7377.83	-6.0
97		11:29:31	214.6631	12131.65	12114.77	8.4
98		13:53:31	217.0631	7464.39	7446.94	13.8
99		16:17:32	219.4631	12092.56	12077.00	6.5
100		18:41:32	221.8631	12091.93	12075.56	6.1
101		21:06:32	224.2797	11120.82	11108.01	0.6
102		23:30:32	226.6797	7397.05	7386.18	-11.1
103	2001/06/14	01:54:31	229.0797	7445.20	7433.89	-10.3
104		04:18:31	231.4797	7479.05	7469.21	-12.2
105		06:42:31	233.8797	7492.84	7482.96	-14.0
106		09:06:31	236.2797	7521.35	7511.46	-3.8
107		11:30:31	238.6797	7571.46	7558.13	4.2
108		13:54:31	241.0797	7570.75	7556.11	7.1
109		16:18:32	243.4797	7607.07	7591.97	9.1
110		18:43:31	245.8964	7478.51	7463.40	3.6
111		21:07:32	248.2964	7583.49	7567.92	-0.7
112		23:32:32	250.7131	7569.83	7558.42	-10.7
113	2001/06/15	01:56:32	253.1131	7544.15	7534.74	-15.4
114		04:20:31	255.5131	7541.83	7534.16	-21.3
115		06:45:31	257.9297	7536.96	7527.74	-18.5
116		09:10:31	260.3464	7532.56	7523.47	-5.3
117		11:35:32	262.7631	7536.88	7523.59	1.5
118		14:00:31	265.1797	7535.01	7519.62	11.8
119		16:25:32	267.5964	7528.67	7513.68	6.1
120		18:50:32	270.0131	7503.08	7488.14	2.3
121		21:15:32	272.4297	7493.66	7479.87	-4.8
122		23:40:32	274.8464	7479.46	7469.50	-14.6
123	2001/06/16	02:05:32	277.2631	7456.12	7448.07	-19.2

Start Test Date: 2001/06/04

Final Test Date: 2001/08/02

	Date	Clock Time	Cum Time	Casing Pres1	Casing Pres2	Temp
	yyyy/mm/dd	hh:mm:ss	hr	kPa(a)	kPa(a)	°C
124	2001/06/16	04:30:31	279.6797	7446.58	7438.61	-21.6
125		06:55:31	282.0964	7429.06	7422.03	-19.1
126		09:20:32	284.5131	7435.04	7423.17	-3.2
127		11:45:31	286.9297	7419.13	7405.41	1.5
128		14:10:31	289.3464	7464.11	7451.38	-5.4
129		16:35:32	291.7631	7393.64	7378.07	7.7
130		19:00:32	294.1797	7374.67	7358.78	1.0
131		21:25:32	296.5964	7370.89	7356.53	-7.8
132		23:50:32	299.0131	7332.91	7322.35	-16.6
133	2001/06/17	02:15:32	301.4297	7321.18	7312.52	-19.9
134		04:40:31	303.8464	7324.49	7315.28	-17.7
135		07:05:31	306.2631	7308.84	7298.43	-15.8
136		09:30:31	308.6797	7304.44	7294.07	-9.7
137		11:55:31	311.0964	7291.27	7277.54	1.8
138		14:20:32	313.5131	7326.68	7310.54	10.3
139		16:45:32	315.9297	7276.87	7260.41	9.1
140		19:10:32	318.3464	7253.86	7237.58	5.4
141		21:35:32	320.7631	7241.24	7225.39	-3.8
142	2001/06/18	00:00:31	323.1797	7219.10	7209.17	-18.2
143		02:25:31	325.5964	7202.19	7193.09	-21.0
144		04:50:31	328.0131	7207.93	7199.51	-22.8
145		07:15:31	330.4297	7193.01	7184.51	-19.2
146		09:40:31	332.8464	7185.93	7175.13	-6.2
147		12:05:32	335.2631	7217.95	7203.21	3.3
148		14:30:31	337.6797	7165.07	7150.65	2.1
149		16:55:32	340.0964	7082.71	7068.11	-2.6
150		19:20:32	342.5131	7138.30	7121.43	7.9
151		21:45:32	344.9297	7117.50	7101.39	-3.6
152	2001/06/19	00:10:31	347.3464	7092.58	7082.14	-17.8
153		02:35:32	349.7631	7068.15	7059.29	-19.9
154		05:00:31	352.1797	7056.81	7046.71	-18.9
155		07:25:31	354.5964	7045.48	7033.61	-13.2
156		09:50:32	357.0131	7042.76	7028.21	-5.9
157		11:37:32	358.7964	7033.76	7017.55	27.5
158		11:37:32	358.7964	Pause SDS unit and process data.		
159		11:47:20	358.9597	Reactivate unit, still on test.		
160		11:47:20	358.9597	7036.40	7019.81	25.9
161		12:15:00	359.4211	7033.19	7016.91	25.4
162		14:40:00	361.8378	7020.23	7001.76	35.6
163		17:05:00	364.2544	7046.20	7028.86	37.1
164		19:30:01	366.6711	7035.79	7018.13	36.4

Paramount Resources Ltd.
N-01
Start Test Date: 2001/06/04
Final Test Date: 2001/08/02

FieldNotes
Field Measurements

Paramount Fort Liard N-01
Formation: Fantasque

	Date	Clock Time yyyy/mm/dd hh:mm:ss	Cum Time hr	Casing Pres1 kPa(a)	Casing Pres2 kPa(a)	Temp °C
165	2001/06/19	21:55:01	369.0878	7009.84	6992.64	23.7
166	2001/06/20	00:20:00	371.5044	6975.19	6963.86	9.9
167		02:45:01	373.9211	6952.09	6942.16	8.8
168		05:10:01	376.3378	6700.81	6691.80	6.4
169		07:35:00	378.7544	6961.87	6948.77	11.3
170		10:00:00	381.1711	10685.98	10675.72	22.8
171		12:25:00	383.5878	8185.53	8169.07	27.2
172		14:50:00	386.0044	6943.44	6925.67	33.2
173		17:15:01	388.4211	6977.88	6960.22	42.4
174		19:40:04	390.8378	6964.20	6946.59	37.5
175		22:05:00	393.2544	6947.38	6931.54	20.0
176	2001/06/21	00:30:01	395.6711	6935.22	6923.31	12.4
177		02:55:00	398.0878	6896.84	6886.89	11.8
178		05:20:00	400.5044	6892.41	6882.00	11.0
179		07:45:01	402.9211	6881.75	6870.92	12.1
180		10:10:00	405.3378	6867.84	6857.43	11.7
181		12:35:00	407.7544	6859.45	6846.86	16.6
182		15:00:00	410.1711	6856.31	6841.86	27.5
183		17:25:01	412.5878	6851.57	6835.82	30.4
184		19:50:00	415.0044	6817.94	6803.96	19.3
185		22:15:01	417.4211	6835.40	6822.50	17.1
186	2001/06/22	00:40:01	419.8378	6788.48	6776.76	13.2
187		03:05:01	422.2544	6771.99	6760.70	12.1
188		05:30:01	424.6711	6758.80	6748.34	10.4
189		07:55:01	427.0878	6739.09	6729.61	9.8
190		10:20:00	429.5044	6724.99	6715.59	9.4
191		12:45:00	431.9211	6722.78	6713.84	9.7
192		15:10:00	434.3378	6698.26	6689.42	8.1
193		17:35:00	436.7544	6651.91	6643.57	6.5
194		20:00:01	439.1711	6637.11	6628.75	7.0
195		22:25:01	441.5878	6632.68	6624.51	5.3
196	2001/06/23	00:50:01	444.0044	6620.51	6612.43	3.5
197		03:15:01	446.4211	6609.73	6602.11	2.3
198		05:40:01	448.8378	6593.04	6585.83	2.0
199		08:05:00	451.2544	6583.30	6576.60	2.8
200		08:07:00	451.2878	6579.58	6572.99	2.9
201		08:08:00	451.3042	Estimated time well shut in for build up.		
202		08:08:00	451.3044	6941.91	6935.91	2.8
203		10:30:00	453.6711	11299.10	11300.43	3.5
204		12:55:00	456.0878	11325.53	11326.30	5.9
205		15:20:00	458.5044	11350.97	11351.43	5.7

	Date	Clock Time	Cum Time	Casing Pres1	Casing Pres2	Temp
	yyyy/mm/dd	hh:mm:ss	hr	kPa(a)	kPa(a)	°C
206	2001/06/23	17:45:01	460.9211	11375.93	11376.21	5.0
207		20:10:01	463.3378	11396.16	11396.99	3.7
208		22:35:00	465.7544	11426.27	11427.26	2.0
209	2001/06/24	01:00:01	468.1711	11451.32	11452.58	1.7
210		03:25:00	470.5878	11476.26	11477.89	1.6
211		05:50:00	473.0044	11500.73	11501.97	1.2
212		08:15:00	475.4211	11527.26	11528.99	3.8
213		10:40:00	477.8378	11554.47	11554.60	8.5
214		13:05:00	480.2544	11580.58	11579.28	8.4
215		15:30:00	482.6711	11605.86	11604.63	10.6
216		17:55:01	485.0878	11630.53	11628.29	13.5
217		20:20:00	487.5044	11655.58	11652.70	16.3
218		22:45:01	489.9211	11676.92	11676.08	6.0
219	2001/06/25	01:10:01	492.3378	11699.03	11699.35	4.0
220		03:35:01	494.7544	11720.79	11721.51	3.5
221		06:00:01	497.1711	11742.14	11743.27	3.2
222		08:25:00	499.5878	11764.33	11764.30	7.5
223		10:50:00	502.0044	11788.63	11785.25	15.9
224		13:15:00	504.4211	11811.58	11805.38	21.8
225		15:40:00	506.8378	11830.99	11825.57	16.7
226		18:05:00	509.2544	11854.41	11846.61	31.7
227		20:30:01	511.6711	11870.67	11866.02	15.2
228		22:55:01	514.0878	11890.41	11887.88	8.5
229	2001/06/26	01:20:00	516.5044	11911.91	11911.20	4.6
230		03:45:01	518.9211	11931.40	11932.21	1.8
231		06:10:01	521.3378	11942.90	11944.38	-1.3
232		08:35:00	523.7544	11954.24	11953.00	8.8
233		11:00:00	526.1711	11965.32	11959.79	14.7
234		13:25:00	528.5878	11974.63	11965.16	24.0
235		15:50:00	531.0044	11978.25	11970.23	21.1
236		18:15:01	533.4211	11987.76	11976.83	34.1
237		20:40:01	535.8378	11989.96	11981.07	19.6
238		23:05:00	538.2544	11990.71	11987.96	9.0
239	2001/06/27	01:30:01	540.6711	11995.55	11993.99	6.8
240		03:55:00	543.0878	12000.28	11998.83	6.0
241		06:20:00	545.5044	12004.81	12004.11	6.0
242		08:45:00	547.9211	12011.24	12008.92	9.5
243		11:10:00	550.3378	12019.82	12012.98	17.3
244		13:35:00	552.7544	12027.30	12015.79	25.1
245		16:00:01	555.1711	12032.95	12021.57	25.6
246		18:25:01	557.5878	12037.88	12026.01	30.6

Start Test Date: 2001/06/04

Final Test Date: 2001/08/02

	Date	Clock Time	Cum Time	Casing Pres1	Casing Pres2	Temp
	yyyy/mm/dd	hh:mm:ss	hr	kPa(a)	kPa(a)	°C
247	2001/06/27	20:50:00	560.0044	12041.96	12031.57	22.0
248		23:15:01	562.4211	12043.15	12036.29	12.2
249	2001/06/28	01:40:00	564.8378	12046.20	12042.00	9.7
250		04:05:00	567.2544	12049.27	12048.91	5.1
251		06:30:01	569.6711	12054.63	12053.79	7.6
252		08:55:00	572.0878	12062.04	12057.50	14.0
253		11:20:00	574.5044	12070.97	12061.41	20.6
254		13:45:00	576.9211	12078.93	12065.40	27.0
255		16:10:01	579.3378	12080.34	12069.54	20.7
256		18:35:00	581.7544	12088.72	12076.40	28.9
257		21:00:01	584.1711	12086.91	12080.49	13.5
258		23:25:01	586.5878	12091.28	12087.63	9.5
259	2001/06/29	01:50:01	589.0044	12095.30	12093.08	7.8
260		04:15:01	591.4211	12099.68	12099.04	4.2
261		06:40:01	593.8378	12105.16	12103.75	3.4
262		09:05:00	596.2544	12114.59	12108.15	14.5
263		11:30:00	598.6711	12124.64	12110.34	25.1
264		13:55:00	601.0878	12132.69	12114.95	35.4
265		16:20:00	603.5044	12131.99	12120.45	19.1
266		18:45:01	605.9211	12138.90	12127.73	28.5
267		21:10:01	608.3378	12145.17	12131.34	25.9
268		23:35:00	610.7544	12143.03	12136.71	11.7
269	2001/06/30	02:00:01	613.1711	12145.85	12144.19	5.4
270		04:25:01	615.5878	12150.07	12150.09	3.7
271		06:50:00	618.0044	12158.21	12153.37	6.3
272		09:15:00	620.4211	12164.91	12158.51	16.7
273		11:40:00	622.8378	12175.70	12162.10	25.0
274		14:05:00	625.2544	12182.15	12166.62	31.1
275		16:30:01	627.6711	12188.02	12172.43	37.7
276		18:55:01	630.0878	12193.78	12177.15	38.1
277		21:20:00	632.5044	12198.84	12181.49	29.0
278		23:45:01	634.9211	12194.00	12187.75	11.0
279	2001/07/01	02:10:00	637.3378	12197.59	12194.79	6.4
280		04:35:00	639.7544	12203.78	12199.88	7.0
281		07:00:01	642.1711	12210.46	12204.64	7.7
282		09:25:00	644.5878	12217.66	12209.95	16.7
283		11:50:00	647.0044	12227.97	12214.02	25.4
284		14:15:00	649.4211	12233.98	12217.63	29.2
285		16:40:01	651.8378	12240.47	12224.53	36.3
286		19:05:00	654.2544	12247.85	12231.48	33.4
287		21:30:01	656.6711	12253.90	12238.99	24.4

	Date	Clock Time yyyy/mm/dd hh:mm:ss	Cum Time hr	Casing Pres1 kPa(a)	Casing Pres2 kPa(a)	Temp °C
288	2001/07/01	23:55:01	659.0878	12253.91	12246.20	12.1
289	2001/07/02	02:20:01	661.5044	12259.19	12255.83	8.4
290		04:45:01	663.9211	12262.53	12259.09	9.8
291		07:10:01	666.3378	12266.98	12257.39	14.7
292		09:35:00	668.7544	12266.50	12257.80	17.7
293		12:00:00	671.1711	12270.43	12257.32	24.1
294		14:25:00	673.5878	12272.73	12256.40	32.4
295		16:50:00	676.0044	12272.09	12256.48	29.5
296		19:15:01	678.4211	12272.16	12256.45	32.5
297		21:40:01	680.8378	12270.12	12255.87	21.9
298	2001/07/03	00:05:00	683.2544	12264.66	12256.77	14.4
299		02:30:01	685.6711	12262.66	12259.45	7.1
300		04:55:01	688.0878	12261.63	12259.86	6.7
301		07:20:00	690.5044	12264.97	12258.14	12.9
302		09:45:00	692.9211	12267.29	12258.20	19.4
303		12:10:00	695.3378	12272.26	12256.26	26.3
304		14:35:00	697.7544	12273.25	12256.19	32.9
305		17:00:01	700.1711	12272.86	12255.92	34.8
306		19:25:01	702.5878	12274.32	12256.00	37.6
307		21:50:00	705.0044	12272.38	12255.28	23.7
308	2001/07/04	00:15:00	707.4211	12263.42	12256.68	12.1
309		02:40:00	709.8378	12263.34	12257.79	11.8
310		05:05:00	712.2544	12263.70	12257.85	12.1
311		07:30:01	714.6711	12264.88	12257.47	13.2
312		09:55:00	717.0878	12268.31	12257.62	18.5
313		12:10:00	719.3378	12269.39	12256.33	21.6
314		12:10:00	719.3378	Pause unit & process data.		
315		12:37:13	719.7911	Reprogram & reactivate unit.		
316		12:37:13	719.7911	12270.57	12255.77	24.0
317		15:03:13	722.2244	12270.19	12256.54	22.5
318		17:29:13	724.6578	93.01	93.01	22.2
319		19:55:13	727.0911	100.93	93.01	16.4
320		22:21:13	729.5244	102.18	93.01	14.2
321	2001/07/05	00:47:13	731.9578	101.73	93.01	9.3
322		03:13:13	734.3911	102.01	93.01	9.6
323		05:39:13	736.8244	101.96	93.01	9.6
324		08:05:13	739.2578	101.96	93.01	10.6
325		10:31:13	741.6911	102.09	93.01	9.9
326		12:57:12	744.1244	101.10	93.01	14.2
327		15:23:12	746.5578	12269.17	12255.57	22.1
328		17:49:13	748.9911	2676.98	2659.86	24.0

	Date	Clock Time	Cum Time	Casing Pres1	Casing Pres2	Temp
	yyyy/mm/dd	hh:mm:ss	hr	kPa(a)	kPa(a)	°C
329	2001/07/05	20:15:13	751.4244	1531.48	1517.26	21.7
330		22:41:13	753.8578	2309.42	2294.79	14.2
331	2001/07/06	01:07:12	756.2911	2692.95	2677.67	12.8
332		03:33:12	758.7244	2710.17	2695.13	12.2
333		05:59:12	761.1578	2905.31	2890.50	11.4
334		08:25:12	763.5911	2614.25	2599.46	13.3
335		10:51:12	766.0244	2113.25	2099.47	14.8
336		13:17:12	768.4578	1407.47	1394.15	21.0
337		15:43:12	770.8911	981.89	967.68	27.8
338		18:09:13	773.3244	981.49	967.05	29.5
339		20:35:13	775.7578	1265.99	1251.51	22.1
340		23:01:13	778.1911	2653.59	2638.00	13.7
341	2001/07/07	01:27:12	780.6244	7867.08	7856.66	10.5
342		03:53:13	783.0578	8508.27	8499.03	10.8
343		06:19:12	785.4911	9416.74	9411.05	10.9
344		08:45:12	787.9244	9524.38	9519.24	10.5
345		11:11:12	790.3578	9663.83	9658.70	11.7
346		13:37:13	792.7911	9431.01	9425.44	11.9
347		16:03:13	795.2244	8919.04	8910.76	11.8
348		18:29:13	797.6578	9246.57	9239.65	11.3
349		20:55:13	800.0911	12084.23	12077.69	12.3
350		23:21:13	802.5244	102.60	93.01	8.9
351	2001/07/08	01:47:12	804.9578	102.57	93.01	7.7
352		04:13:12	807.3911	101.71	93.01	5.2
353		06:39:13	809.8244	102.80	93.01	7.7
354		09:05:13	812.2578	103.99	93.01	13.1
355		11:31:13	814.6911	101.79	93.01	17.4
356		13:57:12	817.1244	12269.91	12255.05	22.5
357		16:23:13	819.5578	12269.64	12255.94	21.3
358		18:49:13	821.9911	12271.27	12255.88	21.2
359		21:15:13	824.4244	12269.80	12255.44	18.3
360		23:41:13	826.8578	12260.85	12256.89	9.9
361	2001/07/09	02:07:13	829.2911	12260.44	12257.84	10.1
362		04:33:12	831.7244	12260.07	12257.75	9.2
363		06:59:12	834.1578	12260.45	12257.73	10.0
364		09:25:12	836.5911	12263.76	12256.76	13.2
365		11:51:12	839.0244	12270.20	12254.69	21.1
366		14:17:12	841.4578	12271.87	12254.35	24.3
367		16:43:12	843.8911	12270.81	12254.43	22.9
368		19:09:13	846.3244	12267.58	12254.45	18.9
369		21:35:13	848.7578	12261.69	12255.59	12.5

Start Test Date: 2001/06/04

Final Test Date: 2001/08/02

	Date	Clock Time yyyy/mm/dd hh:mm:ss	Cum Time hr	Casing Pres1 kPa(a)	Casing Pres2 kPa(a)	Temp °C
370	2001/07/10	00:01:12	851.1911	12260.33	12257.31	9.5
371		02:27:13	853.6244	12259.73	12257.97	8.0
372		04:53:12	856.0578	12259.08	12258.48	7.1
373		07:19:12	858.4911	12260.43	12257.96	9.1
374		09:45:12	860.9244	12263.52	12257.64	16.9
375		12:11:12	863.3578	12267.59	12254.77	19.1
376		14:37:13	865.7911	12267.46	12255.40	19.1
377		17:03:13	868.2244	12268.86	12255.10	20.4
378		19:29:13	870.6578	12268.53	12254.98	19.0
379		21:55:13	873.0911	12267.14	12254.74	15.6
380	2001/07/11	00:21:12	875.5244	12261.84	12255.67	12.3
381		02:47:13	877.9578	12260.14	12257.47	9.5
382		05:13:12	880.3911	12259.03	12258.67	7.8
383		07:39:13	882.8244	12260.03	12257.88	9.0
384		10:05:13	885.2578	12263.10	12256.88	13.2
385		12:31:13	887.6911	12268.38	12255.38	19.0
386		14:57:12	890.1244	12263.30	12256.12	14.0
387		17:23:13	892.5578	12269.83	12256.03	20.0
388		19:49:13	894.9911	12264.48	12255.84	14.8
389		22:15:13	897.4244	12261.28	12256.62	11.3
390	2001/07/12	00:41:13	899.8578	12259.42	12257.69	8.5
391		03:07:13	902.2911	12259.72	12257.67	8.8
392		05:33:12	904.7244	12259.42	12257.83	8.1
393		07:59:12	907.1578	12263.86	12256.89	14.5
394		10:25:12	909.5911	12267.90	12255.16	20.4
395		12:51:12	912.0244	12270.04	12253.91	22.5
396		15:17:12	914.4578	12271.72	12253.95	24.2
397		17:43:12	916.8911	12272.11	12254.72	26.7
398		20:09:13	919.3244	12272.14	12255.23	21.7
399		22:35:13	921.7578	12266.09	12254.25	14.8
400	2001/07/13	01:01:12	924.1911	12260.18	12257.22	9.4
401		03:27:13	926.6244	12259.80	12258.22	8.7
402		05:53:12	929.0578	12259.60	12258.42	8.8
403		08:19:12	931.4911	12263.12	12257.12	12.5
404		10:45:12	933.9244	12271.22	12255.44	22.4
405		13:11:12	936.3578	12272.90	12254.05	26.6
406		15:37:13	938.7911	12272.88	12254.74	28.6
407		18:03:13	941.2244	12272.84	12253.64	28.1
408		20:29:13	943.6578	12271.80	12253.76	23.8
409		22:55:13	946.0911	12265.98	12254.07	17.9
410	2001/07/14	01:21:12	948.5244	12262.32	12255.45	14.5

	Date	Clock Time	Cum Time	Casing Pres1	Casing Pres2	Temp
	yyyy/mm/dd	hh:mm:ss	hr	kPa(a)	kPa(a)	°C
411	2001/07/14	03:47:13	950.9578	12262.18	12256.13	13.4
412		06:13:12	953.3911	12261.57	12256.86	12.5
413		08:39:13	955.8244	12264.10	12256.08	14.4
414		11:05:13	958.2578	12263.66	12256.09	13.9
415		13:31:13	960.6911	12265.01	12255.55	16.5
416		15:57:12	963.1244	12264.26	12256.10	14.0
417		18:23:13	965.5578	12262.15	12256.13	12.1
418		20:49:13	967.9911	12261.16	12256.99	11.1
419		23:15:13	970.4244	12260.77	12257.23	10.7
420	2001/07/15	01:41:12	972.8578	12260.39	12257.40	10.2
421		04:07:12	975.2911	12260.58	12257.75	10.2
422		06:33:12	977.7244	12260.26	12257.94	9.7
423		08:59:12	980.1578	12260.15	12257.76	9.7
424		11:25:12	982.5911	12260.07	12258.05	9.2
425		13:51:12	985.0244	12260.72	12258.07	9.9
426		16:17:13	987.4578	12260.68	12257.93	10.0
427		18:43:12	989.8911	12261.29	12257.58	10.2
428		21:09:13	992.3244	12260.70	12257.53	10.2
429		23:35:13	994.7578	12260.20	12257.55	10.0
430	2001/07/16	02:01:13	997.1911	12260.30	12257.94	9.8
431		04:27:12	999.6244	12259.43	12256.84	10.0
432		06:53:12	1002.0578	12260.26	12257.94	10.0
433		09:19:12	1004.4911	12261.18	12257.51	11.0
434		11:45:12	1006.9244	12264.73	12256.51	14.2
435		14:11:12	1009.3578	12265.61	12256.00	15.0
436		16:37:13	1011.7911	12269.30	12255.97	17.3
437		19:03:13	1014.2244	12269.28	12255.50	18.1
438		21:29:13	1016.6578	12269.95	12255.56	17.2
439		23:55:13	1019.0911	12261.36	12255.78	11.9
440	2001/07/17	02:21:13	1021.5244	12260.93	12257.23	11.2
441		04:47:12	1023.9578	12260.14	12257.51	9.5
442		07:13:12	1026.3911	12261.88	12256.47	12.0
443		09:39:13	1028.8244	12264.06	12256.12	14.4
444		12:05:13	1031.2578	12263.03	12256.14	13.5
445		14:31:13	1033.6911	12263.11	12256.03	13.7
446		16:57:13	1036.1244	12266.16	12256.28	15.8
447		19:23:13	1038.5578	12269.48	12255.75	18.7
448		21:49:13	1040.9911	12264.68	12254.62	16.8
449	2001/07/18	00:15:13	1043.4244	12263.08	12255.55	14.4
450		02:41:13	1045.8578	12262.69	12255.66	13.8
451		05:07:12	1048.2911	12261.98	12255.90	13.4

	Date	Clock Time	Cum Time	Casing Pres1	Casing Pres2	Temp
	yyyy/mm/dd	hh:mm:ss	hr	kPa(a)	kPa(a)	°C
452	2001/07/18	07:33:12	1050.7244	12262.20	12256.06	13.2
453		09:59:12	1053.1578	12262.46	12256.04	14.0
454		12:25:12	1055.5911	12263.00	12255.77	14.4
455		14:51:12	1058.0244	12263.73	12255.61	15.1
456		17:17:13	1060.4578	12263.09	12255.34	14.9
457		19:43:12	1062.8911	12263.68	12255.43	15.0
458		22:09:13	1065.3244	12262.88	12255.56	14.5
459	2001/07/19	00:35:13	1067.7578	12262.68	12255.65	14.1
460		03:01:13	1070.1911	12262.34	12255.93	13.6
461		05:27:12	1072.6244	12262.17	12255.94	13.6
462		07:53:12	1075.0578	12262.51	12256.28	13.6
463		10:19:12	1077.4911	12264.53	12255.88	15.8
464		12:45:12	1079.9244	12266.44	12254.68	18.8
465		15:11:12	1082.3578	12270.53	12254.18	22.4
466		17:37:13	1084.7911	12271.46	12254.66	23.1
467		20:03:13	1087.2244	12271.78	12254.85	22.7
468		22:29:13	1089.6578	12269.20	12254.05	19.1
469	2001/07/20	00:55:12	1092.0911	12261.72	12255.55	12.2
470		03:21:13	1094.5244	12260.49	12257.77	10.5
471		05:47:12	1096.9578	12259.39	12257.28	9.3
472		08:13:12	1099.3911	12264.96	12256.27	17.6
473		10:39:13	1101.8244	12271.41	12253.63	23.8
474		13:05:13	1104.2578	12271.85	12253.31	28.0
475		15:31:13	1106.6911	12271.92	12253.44	28.4
476		17:57:13	1109.1244	12271.88	12254.30	27.9
477		20:23:13	1111.5578	12273.16	12253.90	26.6
478		22:49:13	1113.9911	12267.55	12253.45	18.2
479	2001/07/21	01:15:12	1116.4244	12261.98	12255.22	14.0
480		03:41:13	1118.8578	12262.87	12255.89	14.5
481		06:07:12	1121.2911	12262.05	12256.49	12.3
482		08:33:13	1123.7244	12265.85	12256.57	19.4
483		10:59:12	1126.1578	12271.23	12254.19	24.4
484		13:25:12	1128.5911	12272.37	12253.29	27.1
485		15:51:12	1131.0244	12273.32	12254.47	30.0
486		18:17:13	1133.4578	12272.31	12254.17	28.6
487		20:43:12	1135.8911	12273.57	12252.99	24.8
488		23:09:13	1138.3244	12267.41	12253.83	18.2
489	2001/07/22	01:35:13	1140.7578	12265.91	12254.60	17.9
490		04:01:12	1143.1911	12264.32	12255.05	16.4
491		06:27:12	1145.6244	12264.10	12255.26	15.9
492		08:53:12	1148.0578	12266.86	12255.91	21.7

	Date	Clock Time	Cum Time	Casing Pres1	Casing Pres2	Temp
	yyyy/mm/dd	hh:mm:ss	hr	kPa(a)	kPa(a)	°C
493	2001/07/22	11:19:12	1150.4911	12271.66	12254.02	24.0
494		13:45:12	1152.9244	12272.22	12253.61	28.0
495		16:11:13	1155.3578	12273.17	12254.22	28.4
496		18:37:13	1157.7911	12273.63	12253.92	27.7
497		21:03:13	1160.2244	12273.30	12253.43	25.2
498		23:29:13	1162.6578	12267.90	12253.82	19.3
499	2001/07/23	01:55:12	1165.0911	12263.37	12254.74	16.2
500		04:21:12	1167.5244	12263.56	12255.14	15.9
501		06:47:12	1169.9578	12263.88	12255.29	17.7
502		09:13:12	1172.3911	12264.56	12255.40	17.1
503		11:39:13	1174.8244	12268.88	12255.21	21.1
504		14:05:13	1177.2578	12272.30	12253.94	27.1
505		16:31:13	1179.6911	12272.25	12254.23	26.9
506		18:57:13	1182.1244	12268.61	12253.97	21.7
507		21:23:13	1184.5578	12261.78	12255.20	13.4
508		23:49:13	1186.9911	12262.21	12255.50	13.5
509	2001/07/24	02:15:13	1189.4244	12262.16	12255.94	13.3
510		04:41:12	1191.8578	12262.09	12256.03	13.2
511		07:07:12	1194.2911	12261.30	12256.16	12.3
512		09:33:13	1196.7244	12263.01	12256.48	13.9
513		11:59:12	1199.1578	12265.64	12255.78	17.1
514		14:25:12	1201.5911	12265.45	12255.37	16.0
515		16:51:13	1204.0244	12266.76	12255.20	18.4
516		19:17:13	1206.4578	12267.75	12255.36	19.1
517		21:43:12	1208.8911	12264.69	12255.10	15.8
518	2001/07/25	00:09:13	1211.3244	12262.03	12256.01	12.7
519		02:35:13	1213.7578	12261.72	12256.47	12.3
520		05:01:12	1216.1911	12261.80	12256.54	12.3
521		07:27:12	1218.6244	12262.10	12256.73	13.1
522		09:53:12	1221.0578	12264.79	12256.28	16.3
523		12:19:12	1223.4911	12269.90	12254.40	23.6
524		14:45:12	1225.9244	12271.06	12254.24	25.3
525		17:11:13	1228.3578	12271.56	12254.60	25.8
526		19:37:13	1230.7911	12271.34	12255.04	22.7
527		22:03:13	1233.2244	12267.54	12254.23	18.0
528	2001/07/26	00:29:13	1235.6578	12262.40	12255.21	14.6
529		02:55:12	1238.0911	12261.87	12255.69	14.0
530		05:21:12	1240.5244	12261.07	12256.18	12.3
531		07:47:12	1242.9578	12262.28	12256.29	13.0
532		10:13:12	1245.3911	12266.88	12255.77	18.2
533		12:39:13	1247.8244	12271.37	12254.09	25.6

Start Test Date: 2001/06/04

Final Test Date: 2001/08/02

	Date	Clock Time	Cum Time	Casing Pres1	Casing Pres2	Temp
	yyyy/mm/dd	hh:mm:ss	hr	kPa(a)	kPa(a)	°C
534	2001/07/26	15:05:13	1250.2578	12271.96	12253.75	26.7
535		17:31:13	1252.6911	12271.47	12254.26	24.4
536		19:57:13	1255.1244	12270.80	12254.89	22.2
537		22:23:13	1257.5578	12267.21	12254.51	16.6
538	2001/07/27	00:49:12	1259.9911	12260.60	12256.26	12.6
539		03:15:13	1262.4244	12261.59	12256.22	13.1
540		05:41:12	1264.8578	12261.21	12257.29	12.0
541		08:07:13	1267.2911	12262.11	12256.84	13.1
542		10:33:13	1269.7244	12263.35	12257.10	14.1
543		12:59:12	1272.1578	12268.01	12255.78	18.2
544		15:25:12	1274.5911	12269.81	12255.50	19.8
545		17:51:13	1277.0244	12270.85	12256.11	20.8
546		20:17:13	1279.4578	12267.07	12254.92	17.4
547		22:43:12	1281.8911	12262.22	12255.85	13.5
548	2001/07/28	01:09:12	1284.3244	12260.88	12256.97	11.8
549		03:35:13	1286.7578	12261.14	12257.20	12.2
550		06:01:12	1289.1911	12260.68	12257.65	11.2
551		08:27:12	1291.6244	12261.99	12256.53	13.5
552		10:53:12	1294.0578	12269.63	12255.44	21.3
553		13:19:12	1296.4911	12270.61	12254.16	25.3
554		15:45:12	1298.9244	12270.48	12254.91	20.3
555		18:11:13	1301.3578	12269.95	12255.76	20.3
556		20:37:13	1303.7911	12268.87	12255.82	19.8
557		23:03:13	1306.2244	12261.85	12256.04	13.3
558	2001/07/29	01:29:12	1308.6578	12260.23	12258.33	8.6
559		03:55:12	1311.0911	12259.35	12258.83	7.8
560		06:21:12	1313.5244	12259.19	12259.37	6.4
561		08:47:12	1315.9578	12263.96	12257.52	18.5
562		11:13:12	1318.3911	12269.49	12254.49	24.5
563		13:39:13	1320.8244	12270.32	12253.89	24.4
564		16:05:13	1323.2578	12271.50	12254.66	26.0
565		18:31:13	1325.6911	12271.61	12254.82	24.5
566		20:57:13	1328.1244	12266.03	12253.93	18.2
567		23:23:13	1330.5578	12262.50	12255.04	14.6
568	2001/07/30	01:49:12	1332.9911	12262.27	12256.57	12.5
569		04:15:12	1335.4244	12261.35	12257.36	11.2
570		06:41:12	1337.8578	12260.72	12257.94	10.1
571		09:07:13	1340.2911	12264.36	12257.23	18.8
572		11:33:13	1342.7244	12269.50	12255.54	20.3
573		13:59:12	1345.1578	12268.10	12255.25	18.7
574		16:25:13	1347.5911	12272.74	12254.59	25.5

[illegible]

SDS unit rigged out and sent to Red Deer to be downloaded.

OPSCO ENERGY INDUSTRIES LTD.

SDS FIELD OPERATIONS

CUSTOMER:	Paramount Resources Ltd.	
LOCATION:	N-01	
WELL NAME:	Paramount Fort Liard N-01	
FORMATION/ZONE:	Fantasque	
PERFORATIONS:	1455.5 – 1469 mKB	
ELEVATIONS:	KB = 492.1	GL = 487.0
TUBING SIZE:	89mm	
DEPTH:	1740 mKB	
CASING SIZE:	177mm	
DEPTH:	1940 mKB	
START DATE:	June 04/01	
FINISH DATE:	August 02/01	
CUSTOMER REP. (OFFICE):	Terry Stasiuk	1-403-809-3910
CUSTOMER REP. (FIELD):	Ryan Tober	1-250-233-6430
OPSCO REP:	Terry Biem	1-403-391-9124
OPERATION:	Flow and Build up	
SDS SAMPLE PROGRAM:	60sec / 1075hrs	
DIRECTIONS:	From Fort Nelson follow west hwy # 2 to hwy # 77 Go north 122 km, turn and go west 8km to Plant site.	
SDS BOX #:	10031416 (Casing)	10031419 (Tubing)
PT SENSOR # 1:	12031450 tagged as csps1	12031464 tagged as tups1
PT SENSOR # 2:	12031438 tagged as csps2	12031567 tagged as tups2
TEMPERATURE SENSOR #:	13027162 tagged as mtm1	13027135 tagged as mtm1

DATE	TIME	OPERATIONS DATA
June 4/01	1200	Arrived on location.
	1210	Rigged in two sds units.
	1249	Activated sds #1416
		PT1= 12310 kPag
		PT2= 12320 kPag
		MTM= 23 deg C
	1253	Activated sds #1419
		PT1= 7186 kPag
		PT2= 7172 kPag
		MTM= 21 deg C
	1300	Off location.
June 12/01	1045	Arrived on location.
	1055	SDS #1416 Pressures
		PT1= 12069 kPag
		PT2= 12080 kPag
		MTM= 22 deg C
	1100	SDS #1419 Pressures
		PT1= 8506 kPag
		PT2= 8514 kPag

		MTM= 23 deg C
	1100	Dumped data and reactivated sds unit #1416
	1108	Dumped data and reactivated sds unit #1419
	1120	Off location.
June 19/01	1125	Arrived on location.
	1130	SDS #1416 Pressures
		PT1= 6943 kPag
		PT2= 6928 kPag
		MTM= 25 deg C
	1137	Dumped sds and activated unit #1416
	1142	SDS #1419 Pressures
		PT1= 8953 kPag
		PT2= 8964 kPag
		MTM= 25 deg C
	1146	Dumped sds and activated unit #1419
	1230	Off location.
July 4/01	1115	A.O.L.
	1125	SDS#19{tbg} pressures
		PT1=9609 kPag.
		PT2=9617 kPag.
		MTM=22 deg C
	145	Dloaded and rigged out unit #1419
	1210	SDS#1416{csg} pressures
		PT1=12175 kPag.
		PT2=12164 kPag.
		MTM=22 deg C
		Dload SDS unit.
		Reprogram unit for 120 sec. Readings.
		Activate box.
	1250	Off location.
August 2/01	1607	SDS #1416 rigged out by Paramount personnel
		Unit sent to Red Deer to be downloaded.
		End Of Test