

Denne rapport
tilhører



LTEK DOK.SENTER

L.NR. 12483050049

KODE Well 1/9-6 nr 23

Returneres etter bruk

testing service report

L/9
Lease Name

B
Well No.

JA
Test No.

TOP = 3492M
Tested in No.

HALLIBURTON PET. CO.
Lease Owner/Company Name



HALLIBURTON
MANUFACTURING & SERVICES LTD.
REGISTERED IN ENGLAND

Legal Location LONG 590° 29' 3.85" N
 Sec. 1, Twp - Rng IAP 020 56' 0.14" E
 Lease Name
 Will No.
 Test No. 5A
 Field Area N. SEA
 Tested Interval
 State NORWAY
 Lease Owner/Company Name PHILLIPS PET. CO.

FLUID SAMPLE DATA		Date OCTOBER 15 1982	Ticket Number H001407
Sampler Pressure _____ P.S.I.G. at Surface		Kind CASED HOLE	Halliburton District TANANGER
Recovery: Cu. Ft. Gas _____		GREEN: LOVAS	
cc. Oil _____		Tester I. SANGSTER	
cc. Water _____		Witness JOE GRIFFITH	
cc. Mud _____		Drilling Contractor SEDCO 703	
Tot. Liquid cc. _____		EQUIPMENT & HOLE DATA	
Gravity _____ ° API @ _____ ° F.		Formation Tested _____	
Gas/Oil Ratio _____ cu. ft./bbl.		Elevation _____ 26 M XX	
RESISTIVITY _____ CHLORIDE CONTENT _____		Net Productive Interval _____ 48.8 M FX	
Recovery Water _____ @ _____ ° F. _____ ppm		All Depths Measured From _____ R.K.B.	
Recovery Mud _____ @ _____ ° F. _____ ppm		Total Depth _____ XX	
Recovery Mud Filtrate _____ @ _____ ° F. _____ ppm		Main Hole/Casing Size _____ 7"	
Mud Pit Sample _____ @ _____ ° F. _____ ppm		Drill Collar Length _____ I.D. 2.25	
Mud Pit Sample Filtrate _____ @ _____ ° F. _____ ppm		Drill Pipe Length _____ I.D. _____	
Mud Weight _____ vis _____ cp		Packer Depth(s) _____ 349.18 FX	
		Depth Tester Valve _____ 3482.24 XX	

TYPE SEAWATER	AMOUNT FULL	Depth Back Pres. Valve XX	Surface Choke VARIABLE 52/64	Bottom Choke 2.25
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Recovered _____	Feet of _____	Meas. from Tester Valve
Recovered _____	Feet of _____	
Recovered _____	Feet of _____	
Recovered _____	Feet of _____	
Recovered _____	Feet of _____	

REMARKS. ALL CLOSURES AT SURFACE.
 GAUGE 700 - CLOCK RAN OUT AFTER 562 MINUTES OF 5TH CLOSURE. THEREFORE FINAL
 HYDROSTATIC COULD NOT BE ESTABLISHED.

TEMPERATURE	Gauge No. 700		Gauge No. 701		Gauge No. H-1		TIME	
	Depth: 3190.28 Ft.		Depth: 3190.28 Ft.		Depth: 3190.28 Ft.			
Est. 260 °F.	144-6.96	Hour Clock	180-5929	Hour Clock	120-21824	Hour Clock	Tool Opened	A.M.
Actual _____ °F.	Blanked Off		Blanked Off		Blanked Off		Opened	P.M.
	Pressures		Pressures		Pressures		By-pass	A.M.
	Field	Office	Field	Office	Field	Office	Reported	Computed
Initial Hydrostatic	7862	7503	7844	7541			Minutes	Minutes
1st Flow	Initial	5907	5867	5918	5962			
	Final	6216	6314	6323	6373			
	Closed in	6994	7108	7074	7150			1003
2nd Flow	Initial	6201	7108	6331	7150			
	Final	5938	6047	6090	6104	MAX. TEMP 265° F		
	Closed in	7040	7093	7089	7127			70
3rd Flow	Initial	6761	7093	6811	7127			
	Final	6419	6527	6579	6589			
	Closed in	6854	6976	6984	7000			383
4th Flow	Initial	6602	6976	6698	7000			
	Final	6388	6496	6549	6567			
	Closed in	6947	7093	7080	7090			519
5th Flow	Initial	5270	7093	5097	7090			
	Final	4286	4417	4414	4446			
	Closed in	6761	6905	6962	7030			166
Final Hydrostatic		-	7622	7150			314	320
							1014	1021
							507	509
							1048	1048

FORMATION TEST DATA

Casing perms. _____ Bottom choke _____ Surf. temp. _____ °F Ticket No. _____
 Gas gravity _____ Oil gravity _____ GOR _____
 Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F

INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED _____

Date Time	a.m. p.m.	Choke Size	Surface Pressure psi	Gas Rate MCF	Liquid Rate BPD	Remarks
OCT 15						
0451						START GAUGE H-701.
0501						START GAUGE H-700.
0507						START GAUGE H-1.
0510						START PICKING UP B.H.A.
0600						PACKER THRU ROTARY TABLE.
0705						PRESSURE TEST ON TOP OF APR-N 5051. TEST NO GOOD-CHANGE OUT APR-N VALVES.
0808						PRESSURE TEST ON TOP OF APR-N 5054. TO 4500 PSI. GOOD TEST.
0825						CONTINUE RUNNING ON W/TOOLS.
0930						START FLUSHING ALL DRILL COLLARS W/SEA WATER PRIOR TO PICKING THEM UP.
1235						PRESSURE TEST DOWN TO DRILL PIPE TESTER, VALVE, D.C., SLIP JOINTS; APR-M; RTTS CIRC. VALVE; AND 1 STD OF 3½ VAM TUBING. 7000 PSI. GOOD TEST.
1255						CONTINUE RUNNING IN HOLE W/TUBING.
OCT 16						
1101						PREPARE TO SET RTTS PACKER - PICK UP 22 FT. AND THRU 10 X TO RIGHT.
1110						THOUGHT PACKER WAS SET.
1125						PRESSURE TEST KILL & CHOKE LINE - MASTER VALVE CLOSED.
1135						RELEASE PRESSURE - HAVE SAFETY MEETING
1223						PRESSURE UP ON ANNULUS TO 1600PSI OPEN

Casing perms. _____ Bottom choke _____ Surf. temp. _____ °F Ticket No. _____
 Gas gravity _____ Oil gravity _____ GOR _____
 Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F

INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED _____

Date Time	a.m. p.m.	Choke Size	Surface Pressure psi	Gas Rate MCF	Liquid Rate BPD	Remarks
1226						THOUGHT APR-N WAS OPENED.
1227						BLEED OFF ANNULUS PRESSURE.
1228						PRESSURE UP ANNULUS TO 1600 PSI.
1235						BLEED OFF ANNULUS.
1237						PRESSURE UP ANNULUS TO 1800 PSI.
1251						BLEED OFF ANNULUS.
1252						PRESSURE UP ANNULUS TO 2000 PSI.
1308						PRESSURE UP DRILL PIPE TO 1500 PSI.
1315						RELEASE D.P. PRESSURE.
1322						PRESSURE UP D.P. TO 1500 PSI.
1323						RELEASE ANNULUS PRESSURE.
1323						PRESSURE ANNULUS TO 2000 PSI.
1325						BLEED OFF D.P. PRESSURE.
1354						BLEED OFF ANNULUS.
1400						PRESSURE D.P. TO 2500 PSI.
1401						PRESSURE UP ANNULUS TO 2000 PSI.
1405						BLEED OFF D.P. PRESSURE.
1411						BLEED OFF ANNULUS.
1417						ATTEMPT TO RESET PACKER.
1423						ATTEMPT TO RESET PACKER.
1439						SET DOWN IN WELLHEAD.
1445						PRESSURE TEST KILL & FLOW LINE.
1457						PRESSURE UP ANNULUS TO 2000 PSI.
1502						BRING ANNULUS PRESSURE ON UP TO 2500 PSI.
						THE FORMATION BROKE DOWN AT 2300 PSI.
						RTTS PACKER WAS NOT SET.

Casing perms. _____ Bottom choke _____ Surf. temp _____ °F Ticket No. _____
 Gas gravity _____ Oil gravity _____ GOR _____
 Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F

INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED

Date Time	a.m. p.m.	Choke Size	Surface Pressure psi	Gas Rate MCF	Liquid Rate BPD	Remarks
1515						SET RTTS PACKER.
1521						CLOSE RAMS.
1524						PRESSURE TEST KILL & FLOW LINE TO 7000PSI.
1536						PRESSURE UP ANNULUS TO 1600 PSI.
1535						APR-N TESTER VALVE OPEN.
1538		8/64	1900			OPEN MANIFOLD ON 8/64 ADJ. CHOKE.
1550		32/64				CHANGE ADJ. CHOKE.
1609		36/64	1980			CHANGE ADJ. CHOKE.
1611		40/64				CHANGE ADJ. CHOKE.
1614			2380			GAS TO SURFACE.
1630		"	2860			
1645		"	3205			
1700		"	3180			B.S.W 40%
1730		"	3152			B.S.W. 30% 3% CO ₂
1750		36/64				CHANGE ADJ. CHOKE.
1800		"	3415			B.S.W. 20%
1830		"	3505			B.S.W. 20% 3% CO ₂
1900		"	3446			B.S.W. 20%
1930		"	3477			B.S.W. 20%
2000		"	3433			B.S.W. 20%
2030		"	3410			B.S.W. 20% 2% CO ₂
2100		"	3430			B.S.W. 15%
2130		"	3450			
2155		32/64				CHANGE ADJ. CHOKE.
2200		"	3520			B.S.W. 10% 2% CO ₂
2210		"				GO THRU SEPARATOR.

Casing perms. _____ Bottom choke _____ Surf. temp. _____ °F Ticket No. _____
 Gas gravity _____ Oil gravity _____ GOR _____
 Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F

INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED

Date Time	a.m. p.m.	Choke Size	Surface Pressure psi	Gas Rate MCF	Liquid Rate BPD	Remarks
2300		32/64	3925			
2400		"	3930			
OCT 17		"				
0044		"				CHANGE TO FIXED CHOKE.
0256		"				CHANGE TO ADJ. CHOKE.
0300		"	3480			
0400		7/64	3090			
0500		37/64	3100			
0545		20/64				REDUCE ADJ. CHOKE.
0612		"	3990			CHANGE TO FIXED CHOKE
			4400			
			4400			
0815		"				BY-PASS SEPARATOR.
0820						CLOSE WELL IN AT CHOKE MANIFOLD FOR BUILD UP.
OCT 18						
1100						START RIGGING UP WIRELINE FOR DUMMY RUN.
1150						WIRELINE IN LUBRICATOR.
1156						CLOSE LUBRICATOR.
1200						BLEED OFF PRESSURE ABOVE LUBRICATOR.
1227						OPEN SWAB VALVE AND KILL VALVE.
1233						P.T. 7000 PSI - OK.
1250						BLEED OFF.
1300						PRESSURE UP TO EQUALIZE PRESSURE ABOVE LUB. VALVE. CLOSE KILL LINE.

Casing perms. _____ Bottom choke _____ Surf. temp _____ °F Ticket No. _____
 Gas gravity _____ Oil gravity _____ GOR _____
 Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F

INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED _____

Date Time	a.m. p.m.	Choke Size	Surface Pressure psi	Gas Rate MCF	Liquid Rate BPD	Remarks
1301						OPEN LUB. VALVE.
1307						WIRELINE STUCK AT 70 FT.
1310						PUMP THRU LUB. VALVE - OPEN.
1315						RIH W/WIRELINE.
1320						STUCK AT 310 FT.
1350						WIRELINE BACK IN LUBRICATOR.
1352						CLOSE LUB. VALVE.
1353						BLEED OFF ABOVE LUB. VALVE THRU CHOKE
1357						CLOSE CHOKE - LUB. VALVE CLOSED.
1405						CLOSE EZ-TREE.
1407						BLEED OFF.
1424						LUBRICATOR OFF.
1443						LUBRICATOR ON FLOWHEAD.
1446						OPEN KILL VALVE.
1449						P.T. 7000 PSI - OK.
1500						BLEED OFF.
1502						OPEN LUBRICATOR.
1503						PRESSURE UP 5200 PSI ABOVE EZ TREE.
1508						OPEN EZ TREE.
1509						RIH W/WIRELINE.
1515						STUCK AT 310 FT.
1600						WIRELINE THRU EZ-TREE - STUCK AGAIN
1704						WIRELINE BACK IN LUBRICATOR.
1705						CLOSE LUBRICATOR - BLEED OFF PRESSURE ABOVE
						OPEN LUBRICATOR. RIH W/GAUGES.
1900						STUCK AT 310 FT.

Casing perms. _____ Bottom choke _____ Surf. temp _____ °F Ticket No. _____
 Gas gravity _____ Oil gravity _____ GOR _____
 Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F

INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED _____

Date Time	a.m. p.m.	Choke Size	Surface Pressure psi	Gas Rate MCF	Liquid Rate BPD	Remarks
1910						GAUGES BACK IN LUBRICATOR.
1912						CLOSE LUBRICATOR.
2036						OPEN LUBRICATOR.
2037						RIH W/IMPRESSION BLOCK.
2100						POH W/IMPRESSION BLOCK.
2124						CLOSE LUBRICATOR.
2154						CLOSE SWAB. VALVE.
2204						P.T. 7000 PSI.
2217						BLEED OFF TO 5000 PSI.
2218						OPEN LUBRICATOR.
2220		8/64				OPEN WELL ON ADJ. CHOKE.
2300		32/64				MUD TO SURFACE.
2330						CLOSE IN AT CHOKE MANIFOLD.
2334						CLOSE LUBRICATOR - BLEED OFF PRESSURE ABOVE.
OCT 19						
0035						EQUALIZE PRESSURE ABOVE LUBRICATOR.
0045						OPEN LUBRICATOR.
0048						RIH W/WIRELINE SAMPLE BAILER
0055						OK TO 400 FT. POOH.
0100						WIRELINE AT SURFACE.
0104						LUBRICATOR CLOSED - BLEED OFF.
0140						EQUALIZE PRESSURE.
0152						OPEN LUBRICATOR.
0155						RIH W/GAUGES.
0250						GAUGES SET IN "8" NIPPLE

Casing perms. _____ Bottom choke _____ Surf. temp _____ °F Ticket No. _____
 Gas gravity _____ Oil gravity _____ GOR _____
 Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F

INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED _____

Date Time	a.m. p.m.	Choke Size	Surface Pressure psi	Gas Rate MCF	Liquid Rate BPD	Remarks
0255						POOH.
0315						WIRELINE STUCK AT 8 FT.
0348						CLOSE EZ-TREE - BLEED OFF.
0423						PRESSURE UP TO 3000 PSI.
0435						OPEN EZ-TREE.
0436						PUMP 5 BBL TO CHECK FLAPPER VALVE OPEN
0439						CLOSE LUBRICATOR.
0521						PRESSURE UP TO 5000 PSI TO EQUALIZE
						PRESSURE.
0532						OPEN LUBRICATOR VALVE.
0553		20/64				OPEN WELL ON ADJ. CHOKE.
0556		10/64				REDUCE ADJ. CHOKE.
0601		20/64				INCREASE ADJ. CHOKE.
0628		"				CHANGE TO FIXED CHOKE - START GLYCOL. INJ.
0700		"				START TAKING CONDENSATE READINGS.
0800		"				STOP GLYCOL INJ.
0900		"				
1000		"				
1100		"				
1200		"				
1300		"				
1400		"				
1432						SHUT IN AT FAILSAFE VALVE - LEAKING CHICKSAN
1540						PRESSURE TEST LINES 7000 PSI.
1555						BLEED DOWN TO 4500 PSI.
1556						OPEN MASTER VALVE.

Casing perms. _____ Bottom choke _____ Surf. temp. _____ °F Ticket No. _____
 Gas gravity _____ Oil gravity _____ GOR _____
 Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F

INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED _____

Date Time	a.m. p.m.	Choke Size	Surface Pressure psi	Gas Rate MCF	Liquid Rate BPD	Remarks
1600						OPEN CHOKE MANIFOLD.
1606						LEAK IN DOWN STREAM CHOKE.
1607						CLOSE CHOKE MANIFOLD.
1618						CLOSE MASTER VALVE.
1619						BLEED OFF PRESSURE & FLUSH LINES.
1710						PRESSURE UP 5000 PSI TO EQUALIZE.
1712						OPEN MASTER VALVE.
1718		20/64				OPEN WELL ON ADJ. CHOKE.
1724		20/64				FLOW THRU SEPARATOR.
1800		"	4620			
1900		"	4588			
2000		"	4562			CO ₂ 3%
2100		"	4552			
2200		"	4568			
2232		"	4570			BY-PASS SEPARATOR.
2232						SHUT IN WELL AT CHOKE MANFIELD.
OCT 20						
1526						OPEN CHOKE MANIFOLD-LEAK-SHUT IN CHOKE
1535		48/64				OPEN ON ADJ. CHOKE.
1549		"				FLOW THRU SEPARATOR.
1558		50/64				INCREASE ADJ. CHOKE.
1630		"				CHANGE TO FIXED CHOKE.
1640		52/64				INCREASE FIXED CHOKE .
1700		"				CO ₂ 2% BSW 5%
1653		56/64				INCREASE FIXED CHOKE
1900		"	2387			

Casing perms. _____ Bottom choke _____ Surf. temp _____ °F Ticket No. _____
 Gas gravity _____ Oil gravity _____ GOR _____
 Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F

INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED _____

Date Time	a.m. p.m.	Choke Size	Surface Pressure psi	Gas Rate MCF	Liquid Rate BPD	Remarks
2000		56/64	2280			
2100		"	2244			
2200		"	2235			
2300		"	2230			
2400		"	2220	25800	2871.2	CO ₂ 2% BSW 1%
OCT 21		"				BY-PASS SEPARATOR.
0001		"				BY-PASS SEPARATOR.
0002						SHUT IN WELL AT CHOKE MANIFOLD.
1730						BULL HEAD FORMATION W/MUD.
1830						OBSERVE WELL.
1900						ATTEMPT TO SHEAR APR-M - NO GO (4500PSI)
1930						WORK PIPE TO OPEN RTTS CIRC. VALVE.
2030						RTTS CIRC. VALVE OPEN - START CIRCULATING.
2330						UNSEAT PACKER AND OBSERVE WELL.
OCT 22						
0000						CIRC. BOTTOM UP - GAS PEAK AT 22%
0130						REVERSE WELL - MAX. GAS 10%
0330						CIRC. BOTTOM UP - GAS 8% DECREASING TO 3%
0630						START POOH.
1830						SLIP JOINTS AT ROTARY.
2130						PACKER OUT OF HOLE.
2210						STOP GAUGE H1.
2211						STOP GAUGE H700.
2215						STOP GAUGE H701.

<u>DESCRIPTION</u>	<u>O.D.</u>	<u>I.D.</u>	<u>LENGTH</u>	<u>DEPTH</u>
X-OVER 4½ IF B X 3½ IF P			.55	
3½" TUBING			762.35	
X-OVER 3½ B X 3½ IF P			.59	
SLIP JOINT - OPEN	5.00	2.25	5.54	
SLIP JOINT - CLOSED	5.00	2.25	4.02	
SLIP JOINT - CLOSED	5.00	2.25	4.02	
14 X 4¾ DRILL COLLARS	4.75	2.25	132.97	
RTTS CIRC. VALVE	4.87	2.44	.98	
1 STD. DRILL COLLAR	4.75	2.25	28.20	
SLIP JOINT - CLOSED	5.00	2.25	4.02	
SLIP JOINT - CLOSED	5.00	2.25	4.02	
1 STD. DRILL COLLARS	4.75	2.25	28.16	
APR-M SAFETY REV. VAL.	5.00	2.25	2.30	3478.54
DRILL PIPE TESTER VAL.	5.00	2.25	1.40	
APR-N TESTER VALVE	5.00	2.25	3.90	3482.24
HYDRAULIC BY-PASS	4.62	2.25	2.08	
BIG JOHN WARS	4.62	2.37	1.58	
SAFETY JOINT	4.87	2.44	.82	
RTTS PACKER - ABOVE	5.75	2.44	.56	3491.18
RTTS PACKER - BELOW	5.75	2.44	.82	
X-OVER 3½ FN B X 3½ IF P			.20	
PERF. JOINT OF 3½ DRILL PIPE			9.63	
X-OVER 3½ IF B X 2½ EUE P			.23	
X-OVER 2½ EUE B X 2½ EUE P			.27	
FLOPETROL "F" NIPPLE		1.81	.29	
TWO JOINTS OF 2½" TUBING			18.78	

IMPRARY; PHILLIPS PET NORWAY
 TICKET NO: HDD1427
 GAUGE NO: 788

1ST FLOW 198. 5 MINUTE INTERVALS. LAST INTERVAL= 6 MINS.
 ----- TOTAL 996 MINUTES

	TIME		PRESSURE		DELTA P
	MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG	
P0	0	.000	.743	5667	0
P1	5	.003	.768	5662	195
P2	10	.006	.711	5617	250
P3	15	.009	.715	5648	219
P4	20	.011	.717	5664	203
P5	25	.014	.720	5687	180
P6	30	.017	.698	5515	352
P7	35	.020	.672	5312	555
P8	40	.023	.710	5639	256
P9	45	.026	.712	5625	242
P10	50	.029	.717	5664	203
P11	55	.032	.723	5710	157
P12	60	.034	.726	5734	133
P13	65	.037	.725	5726	141
P14	70	.040	.724	5718	149
P15	75	.043	.720	5687	180
P16	80	.046	.716	5656	211
P17	85	.049	.714	5640	227
P18	90	.052	.713	5632	235
P19	95	.055	.712	5625	242
P20	100	.057	.709	5601	266
P21	105	.060	.706	5593	274
P22	110	.063	.707	5585	282
P23	115	.066	.705	5570	297
P24	120	.069	.701	5539	328
P25	125	.072	.695	5492	375
P26	130	.075	.713	5632	235
P27	135	.077	.714	5640	227
P28	140	.080	.714	5640	227
P29	145	.083	.717	5664	203
P30	150	.086	.719	5679	188
P31	155	.089	.719	5679	188
P32	160	.092	.719	5679	188
P33	165	.095	.719	5679	188
P34	170	.098	.719	5679	188
P35	175	.100	.719	5679	188
P36	180	.103	.719	5679	188
P37	185	.106	.717	5664	203
P38	190	.109	.717	5664	203
P39	195	.112	.717	5664	203
P40	200	.115	.715	5648	219
P41	205	.118	.715	5648	219
P42	210	.121	.715	5648	219

COMPANY: PHILLIPS PET NORWAY
 TICKET NO: HDD1407
 GAUGE NO: 700

1ST FLOW CONTINUED

	TIME		PRESSURE		DELTA P
	MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG	
P43	215	.123	.715	5645	219
P44	220	.126	.715	5648	219
P45	225	.129	.715	5648	219
P46	230	.132	.715	5648	219
P47	235	.135	.715	5648	219
P48	240	.138	.714	5640	227
P49	245	.141	.713	5632	235
P50	250	.146	.712	5625	242
P51	255	.146	.712	5625	242
P52	260	.149	.712	5625	242
P53	265	.152	.713	5632	235
P54	270	.155	.707	5585	282
P55	275	.158	.707	5585	282
P56	280	.161	.707	5585	282
P57	285	.164	.707	5585	282
P58	290	.166	.707	5585	282
P59	295	.169	.707	5585	282
P60	300	.172	.707	5585	282
P61	305	.175	.707	5585	282
P62	310	.178	.707	5585	282
P63	315	.181	.707	5585	282
P64	320	.184	.707	5585	282
P65	325	.186	.707	5585	282
P66	330	.189	.707	5585	282
P67	335	.192	.707	5585	282
P68	340	.195	.709	5601	266
P69	345	.198	.709	5601	266
P70	350	.201	.708	5593	274
P71	355	.204	.708	5593	274
P72	360	.207	.708	5593	274
P73	365	.209	.708	5593	274
P74	370	.212	.713	5632	235
P75	375	.215	.719	5679	188
P76	380	.218	.721	5695	170
P77	385	.221	.723	5710	157
P78	390	.224	.724	5718	149
P79	395	.227	.726	5734	133
P80	400	.230	.732	5781	56
P81	405	.232	.735	5804	62
P82	410	.235	.739	5835	32
P83	415	.238	.742	5859	8
P84	420	.241	.744	5875	8
P85	425	.244	.751	5929	62

COMPANY: PHILLIPS PET NORWAY
 TICKET NO: H001407
 GAUGE NO: 700

187 FLOW CONTINUED

	TIME		PRESSURE		PSIG	DELTA P
	MINUTES	INCHES DEFL.	INCHES DEFL.			
P86	430	.247	.752	5937	70	
P87	435	.250	.754	5953	86	
P88	440	.252	.755	5960	93	
P89	445	.255	.757	5976	109	
P90	450	.258	.757	5976	109	
P91	455	.261	.759	5992	125	
P92	460	.264	.760	6000	133	
P93	465	.267	.759	5992	125	
P94	470	.270	.758	5984	117	
P95	475	.273	.758	5984	117	
P96	480	.275	.758	5984	117	
P97	485	.278	.758	5984	117	
P98	490	.281	.757	5976	109	
P99	495	.284	.756	5968	101	
P100	500	.287	.756	5968	101	
P101	505	.290	.756	5968	101	
P102	510	.293	.756	5968	101	
P103	515	.296	.756	5968	101	
P104	520	.298	.756	5968	101	
P105	525	.301	.755	5960	93	
P106	530	.304	.755	5960	93	
P107	535	.307	.755	5960	93	
P108	540	.310	.745	5882	15	
P109	545	.313	.730	5765	102	
P110	550	.316	.724	5713	149	
P111	555	.318	.721	5695	172	
P112	560	.321	.719	5679	188	
P113	565	.324	.717	5664	203	
P114	570	.327	.716	5656	211	
P115	575	.330	.716	5656	211	
P116	580	.333	.714	5640	227	
P117	585	.336	.714	5640	227	
P118	590	.339	.713	5632	235	
P119	595	.341	.712	5625	242	
P120	600	.344	.711	5617	250	
P121	605	.347	.711	5617	250	
P122	610	.350	.711	5617	250	
P123	615	.353	.710	5609	258	
P124	620	.356	.709	5601	266	
P125	625	.359	.709	5601	266	
P126	630	.362	.708	5593	274	
P127	635	.364	.708	5593	274	
P128	640	.367	.707	5585	282	

COMPANY: PHILLIPS PET NORWAY
 TICKET NO: HDD1407
 GAUGE NO: 700

187 FLOW CONTINUED

	TIME		PRESSURE		PRIG	DELTA P
	MINUTES	INCHES DEFL,	INCHES DEFL,			
P129	645	.370	.707		5535	252
P130	650	.373	.707		5565	282
P131	655	.376	.706		5578	289
P132	660	.379	.706		5578	289
P133	665	.382	.704		5562	305
P134	670	.384	.704		5562	305
P135	675	.387	.680		5575	492
P136	680	.390	.645		5101	766
P137	685	.393	.627		4960	907
P138	690	.396	.613		4889	978
P139	695	.399	.604		4779	1088
P140	700	.402	.597		4724	1143
P141	705	.405	.589		4661	1204
P142	710	.407	.592		4635	1182
P143	715	.410	.603		4771	1096
P144	720	.413	.615		4866	1001
P145	725	.416	.632		5000	867
P146	730	.419	.639		5054	813
P147	735	.421	.640		5061	805
P148	740	.425	.644		5093	774
P149	745	.427	.645		5101	766
P150	750	.430	.646		5109	758
P151	755	.433	.647		5117	750
P152	760	.436	.647		5117	750
P153	765	.439	.647		5117	750
P154	770	.442	.647		5117	750
P155	775	.445	.647		5117	750
P156	780	.448	.647		5117	750
P157	785	.450	.646		5109	758
P158	790	.453	.646		5109	758
P159	795	.456	.646		5109	758
P160	800	.459	.646		5109	758
P161	805	.462	.645		5101	766
P162	810	.465	.644		5093	774
P163	815	.468	.644		5093	774
P164	820	.471	.644		5093	774
P165	825	.473	.644		5093	774
P166	830	.476	.644		5093	774
P167	835	.479	.701		5539	328
P168	840	.482	.727		5742	125
P169	845	.485	.735		5804	63
P170	850	.488	.741		5851	16
P171	855	.491	.745		5881	15

COMPANY: PHILLIPS PET NORWAY
 TICKET NO: H001407
 GAUGE NO: 700

187 FLOW CONTINUED

	TIME		PRESSURE		PSIG	DELTA P
	MINUTES	INCHES DEFL.	INCHES DEFL.			
P172	860	.493	.747		5898	31
P173	865	.496	.751		5929	62
P174	870	.499	.759		5992	125
P175	875	.502	.773		6102	285
P176	880	.505	.777		6138	266
P177	885	.508	.780		6157	290
P178	890	.511	.783		6181	314
P179	895	.514	.785		6196	329
P180	900	.516	.786		6204	387
P181	905	.517	.788		6220	353
P182	910	.522	.789		6228	361
P183	915	.525	.791		6244	377
P184	920	.528	.792		6251	384
P185	925	.531	.793		6259	392
P186	930	.534	.794		6267	400
P187	935	.537	.795		6275	408
P188	940	.539	.796		6283	416
P189	945	.542	.797		6291	424
P190	950	.545	.797		6291	424
P191	955	.548	.799		7713	1846
P192	960	.551	.798		6299	432
P193	965	.554	.798		6299	432
P194	970	.557	.798		6299	432
P195	975	.559	.798		6299	432
P196	980	.562	.800		6314	447
P197	985	.565	.800		6314	447
P198	990	.568	.800		6314	447
P199	995	.572	.800		6314	447

COMPANY: PHILLIPS PET NORWAY
 TIGHTEN NO: H001407
 GAUGE NO: 700

1ST CLOSURE 455. 5 MINUTE INTERVALS. LAST INTERVAL= 7 MINS.

 TOTAL 2282 MINUTES

	TIME		PRESSURE		DELTA P	T-O/S
	MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG		
P0	0	.000	.800	6314	0	
P1	5	.003	.825	6511	197	191.5000
P2	10	.006	.832	6566	252	96.2500
P3	15	.009	.835	6590	276	64.5000
P4	20	.011	.838	6614	300	52.9545
P5	25	.014	.840	6629	315	41.8214
P6	30	.017	.842	6645	331	34.6176
P7	35	.020	.844	6661	347	29.5750
P8	40	.023	.845	6669	355	25.8478
P9	45	.026	.847	6685	371	22.9808
P10	50	.029	.848	6692	378	20.7069
P11	55	.032	.849	6700	386	18.6594
P12	60	.034	.850	6708	394	17.8088
P13	65	.037	.852	6724	410	16.4459
P14	70	.040	.853	6732	418	15.2875
P15	75	.043	.854	6740	426	14.2907
P16	80	.046	.855	6748	434	13.4239
P17	85	.049	.856	6755	441	12.6693
P18	90	.052	.856	6755	441	11.9904
P19	95	.055	.857	6763	449	11.3809
P20	100	.057	.857	6763	449	11.0263
P21	105	.060	.858	6771	457	10.5250
P22	110	.063	.858	6771	457	10.0714
P23	115	.066	.859	6779	465	9.6591
P24	120	.069	.860	6787	473	9.2826
P25	125	.072	.860	6787	473	8.9375
P26	130	.075	.861	6795	481	8.6200
P27	135	.077	.862	6803	489	8.4221
P28	140	.080	.862	6803	489	8.1438
P29	145	.083	.863	6811	497	7.8855
P30	150	.086	.863	6811	497	7.6458
P31	155	.089	.863	6811	497	7.4213
P32	160	.092	.864	6818	504	7.2120
P33	165	.095	.865	6826	512	7.0156
P34	170	.098	.865	6826	512	6.8316
P35	175	.100	.865	6826	512	6.7150
P36	180	.103	.866	6834	520	6.5485
P37	185	.106	.866	6834	520	6.3915
P38	190	.109	.866	6834	520	6.2481
P39	195	.112	.867	6842	528	6.1027
P40	200	.115	.867	6842	528	5.9696
P41	205	.118	.868	6850	536	5.8432
P42	210	.121	.868	6850	536	5.7231

COMPANY: PHILLIPS PET NORWAY

TICKET NO: H001407

GAUGE NO: 700

167 CLOSURE CONTINUED

MINUTES	TIME		PRESSURE		PSIG	DELTA P	T+0/0
	INCHES	DEFL.	INCHES	DEFL.			
F43	215	.123	.868		6850	566	5.6463
F44	220	.126	.869		6853	544	5.5357
F45	225	.129	.869		6853	544	5.4302
F46	230	.132	.870		6866	552	5.3295
F47	235	.135	.870		6866	552	5.2333
F48	240	.138	.872		6881	567	5.1413
F49	245	.141	.872		6881	567	5.0532
F50	250	.143	.872		6881	567	4.9665
F51	255	.146	.872		6881	567	4.8144
F52	260	.149	.872		6881	567	4.6356
F53	265	.152	.872		6881	567	4.7599
F54	270	.155	.872		6881	567	4.6871
F55	275	.158	.873		6889	575	4.6171
F56	280	.161	.873		6889	575	4.5497
F57	285	.164	.873		6889	575	4.4848
F58	290	.166	.873		6889	575	4.4428
F59	295	.169	.873		6889	575	4.3817
F60	300	.172	.873		6889	575	4.3227
F61	305	.175	.874		6897	583	4.2657
F62	310	.178	.874		6897	583	4.2107
F63	315	.181	.875		6905	591	4.1575
F64	320	.184	.875		6905	591	4.1060
F65	325	.186	.875		6905	591	4.0726
F66	330	.189	.876		6913	599	4.0238
F67	335	.192	.876		6913	599	3.9766
F68	340	.195	.876		6913	599	3.9308
F69	345	.198	.876		6913	599	3.8864
F70	350	.201	.876		6913	599	3.8433
F71	355	.204	.876		6913	599	3.8015
F72	360	.207	.876		6913	599	3.7609
F73	365	.209	.877		6921	607	3.7344
F74	370	.212	.877		6921	607	3.6958
F75	375	.215	.877		6921	607	3.6581
F76	380	.218	.878		6929	615	3.6216
F77	385	.221	.878		6929	615	3.5860
F78	390	.224	.878		6929	615	3.5513
F79	395	.227	.878		6929	615	3.5176
F80	400	.230	.878		6929	615	3.4848
F81	405	.232	.879		6937	623	3.4534
F82	410	.235	.878		6929	615	3.4319
F83	415	.238	.878		6929	615	3.4013
F84	420	.241	.879		6937	623	3.3714
F85	425	.244	.879		6937	623	3.3422

COMPANY: PHILLIPS PET NORWAY
 TICKET NO: H001407
 GAUGE NO: 700

197 CLOSURE CONTINUED

	TIME		PRESSURE		PSIG	DELTA P	T+0/D
	MINUTES	INCHES DEFL.	INCHES DEFL.				
P86	430	.247	.880		6944	680	3.3138
P87	435	.250	.880		6944	680	3.2860
P88	440	.252	.880		6944	680	3.2679
P89	445	.253	.880		6944	680	3.2412
P90	450	.253	.880		6944	680	3.2151
P91	455	.261	.880		6944	680	3.1897
P92	460	.264	.880		6944	680	3.1648
P93	465	.267	.880		6944	680	3.1404
P94	470	.270	.881		6952	688	3.1167
P95	475	.273	.881		6952	688	3.0934
P96	480	.275	.881		6952	688	3.0782
P97	485	.278	.882		6960	646	3.0558
P98	490	.281	.882		6960	646	3.0388
P99	495	.284	.882		6960	646	3.0128
P100	500	.287	.882		6960	646	2.9918
P101	505	.290	.882		6960	646	2.9707
P102	510	.293	.882		6960	646	2.9505
P103	515	.296	.882		6960	646	2.9307
P104	520	.298	.882		6960	646	2.9178
P105	525	.301	.882		6960	646	2.8987
P106	530	.304	.883		6968	654	2.8799
P107	535	.307	.883		6968	654	2.8616
P108	540	.310	.883		6968	654	2.8435
P109	545	.313	.883		6968	654	2.8257
P110	550	.316	.883		6968	654	2.8085
P111	555	.318	.883		6968	654	2.7972
P112	560	.321	.883		6968	654	2.7804
P113	565	.324	.883		6968	654	2.7639
P114	570	.327	.884		6976	662	2.7477
P115	575	.330	.884		6976	662	2.7315
P116	580	.333	.884		6976	662	2.7162
P117	585	.336	.884		6976	662	2.7009
P118	590	.339	.884		6976	662	2.6858
P119	595	.341	.884		6976	662	2.6760
P120	600	.344	.884		6976	662	2.6613
P121	605	.347	.884		6976	662	2.6470
P122	610	.350	.884		6976	662	2.6325
P123	615	.353	.884		6976	662	2.6180
P124	620	.356	.884		6976	662	2.6033
P125	625	.359	.884		6976	662	2.5919
P126	630	.362	.885		6984	670	2.5787
P127	635	.364	.885		6984	670	2.5701
P128	640	.367	.885		6984	670	2.5572

COMPANY: PHILLIPS PET NORWAY
 TICKET NO: HDD1487
 GAUGE NO: 700

1ST CLOSURE CONTINUED

	TIME		PRESSURE		T-O/D	
	MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG	DELTA P	
P129	645	.370	.885	6984	670	2.5446
P130	650	.373	.885	6984	670	2.5322
P131	655	.376	.885	6984	670	2.5199
P132	660	.379	.885	6984	670	2.5079
P133	665	.382	.885	6984	670	2.4961
P134	670	.384	.886	6992	678	2.4883
P135	675	.387	.886	6992	678	2.4767
P136	680	.390	.887	7000	686	2.4654
P137	685	.393	.887	7000	686	2.4542
P138	690	.396	.887	7000	686	2.4432
P139	695	.399	.887	7000	686	2.4323
P140	700	.402	.887	7000	686	2.4216
P141	705	.405	.887	7000	686	2.4111
P142	710	.407	.887	7000	686	2.4042
P143	715	.410	.887	7000	686	2.3939
P144	720	.413	.887	7000	686	2.3838
P145	725	.416	.887	7000	686	2.3738
P146	730	.419	.887	7000	686	2.3640
P147	735	.422	.887	7000	686	2.3543
P148	740	.425	.887	7000	686	2.3447
P149	745	.427	.887	7000	686	2.3384
P150	750	.430	.887	7000	686	2.3291
P151	755	.433	.887	7000	686	2.3199
P152	760	.436	.887	7000	686	2.3108
P153	765	.439	.887	7000	686	2.3018
P154	770	.442	.887	7000	686	2.2930
P155	775	.445	.887	7000	686	2.2843
P156	780	.448	.887	7000	686	2.2757
P157	785	.450	.887	7000	686	2.2700
P158	790	.453	.887	7000	686	2.2616
P159	795	.456	.887	7000	686	2.2533
P160	800	.459	.888	7007	693	2.2451
P161	805	.462	.888	7007	693	2.2370
P162	810	.465	.888	7007	693	2.2290
P163	815	.468	.888	7007	693	2.2212
P164	820	.471	.888	7007	693	2.2134
P165	825	.473	.888	7007	693	2.2062
P166	830	.476	.888	7007	693	2.2006
P167	835	.479	.888	7007	693	2.1931
P168	840	.482	.888	7007	693	2.1857
P169	845	.485	.888	7007	693	2.1784
P170	850	.488	.888	7007	693	2.1711
P171	855	.491	.888	7007	693	2.1640

COMPANY: PHILLIPS PET NORWAY
 TICKET NO: HDD0407
 GAUGE NO: 700

1ST CLOSURE CONTINUED

	TIME		PRESSURE		T+C/C	
	MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG	DELTA P	
P172	860	.498	.889	7015	701	2.1592
P173	865	.496	.889	7015	701	2.1522
P174	870	.499	.889	7015	701	2.1483
P175	875	.502	.889	7015	701	2.1384
P176	880	.505	.889	7015	701	2.1317
P177	885	.508	.889	7015	701	2.1250
P178	890	.511	.889	7015	701	2.1184
P179	895	.514	.890	7023	709	2.1119
P180	900	.516	.890	7023	709	2.1074
P181	905	.519	.890	7023	709	2.1012
P182	910	.522	.890	7023	709	2.0948
P183	915	.525	.890	7023	709	2.0886
P184	920	.528	.890	7023	709	2.0824
P185	925	.531	.890	7023	709	2.0763
P186	930	.534	.890	7023	709	2.0702
P187	935	.537	.890	7023	709	2.0642
P188	940	.539	.891	7031	717	2.0603
P189	945	.542	.891	7031	717	2.0544
P190	950	.545	.891	7031	717	2.0486
P191	955	.548	.891	7031	717	2.0429
P192	960	.551	.891	7031	717	2.0372
P193	965	.554	.891	7031	717	2.0316
P194	970	.557	.891	7031	717	2.0260
P195	975	.559	.891	7031	717	2.0224
P196	980	.562	.891	7031	717	2.0169
P197	985	.565	.892	7038	724	2.0115
P198	990	.568	.892	7038	724	2.0062
P199	995	.571	.892	7038	724	2.0009
P200	1000	.574	.892	7038	724	1.9956
P201	1005	.577	.892	7038	724	1.9905
P202	1010	.580	.892	7038	724	1.9853
P203	1015	.582	.892	7038	724	1.9820
P204	1020	.585	.892	7038	724	1.9769
P205	1025	.588	.892	7038	724	1.9719
P206	1030	.591	.892	7038	724	1.9670
P207	1035	.594	.892	7038	724	1.9621
P208	1040	.597	.892	7038	724	1.9573
P209	1045	.600	.892	7038	724	1.9525
P210	1050	.603	.892	7038	724	1.9478
P211	1055	.605	.892	7038	724	1.9446
P212	1060	.608	.892	7038	724	1.9400
P213	1065	.611	.892	7038	724	1.9354
P214	1070	.614	.892	7038	724	1.9308

COMPANY: PHILLIPS PET NORWAY
 TICKET NO: H001407
 GAUGE NO: 700

1ST CLOSURE CONTINUED

	TIME		PRESSURE		PSIG	DELTA P	T+0/D
	MINUTES	INCHES DEFL.	INCHES DEFL.				
P215	1075	.617	.892		7038	724	1.9263
P216	1080	.620	.892		7038	724	1.9218
P217	1085	.623	.892		7038	724	1.9173
P218	1090	.625	.892		7038	724	1.9144
P219	1095	.628	.892		7038	724	1.9100
P220	1100	.631	.892		7038	724	1.9057
P221	1105	.634	.892		7038	724	1.9014
P222	1110	.637	.892		7038	724	1.8972
P223	1115	.640	.892		7038	724	1.8930
P224	1120	.643	.892		7038	724	1.8888
P225	1125	.646	.892		7038	724	1.8847
P226	1130	.648	.892		7038	724	1.8819
P227	1135	.651	.892		7038	724	1.8779
P228	1140	.654	.892		7038	724	1.8739
P229	1145	.657	.892		7038	724	1.8699
P230	1150	.660	.892		7038	724	1.8659
P231	1155	.663	.892		7038	724	1.8620
P232	1160	.666	.892		7038	724	1.8581
P233	1165	.669	.892		7038	724	1.8543
P234	1170	.671	.892		7038	724	1.8517
P235	1175	.674	.892		7038	724	1.8479
P236	1180	.677	.892		7038	724	1.8442
P237	1185	.680	.892		7038	724	1.8404
P238	1190	.683	.892		7038	724	1.8367
P239	1195	.686	.892		7038	724	1.8331
P240	1200	.689	.893		7046	732	1.8295
P241	1205	.691	.893		7046	732	1.8271
P242	1210	.694	.893		7046	732	1.8235
P243	1215	.697	.893		7046	732	1.8199
P244	1220	.700	.893		7046	732	1.8164
P245	1225	.703	.893		7046	732	1.8129
P246	1230	.706	.893		7046	732	1.8095
P247	1235	.709	.893		7046	732	1.8061
P248	1240	.712	.893		7046	732	1.8027
P249	1245	.714	.893		7046	732	1.8004
P250	1250	.717	.893		7046	732	1.7971
P251	1255	.720	.893		7046	732	1.7938
P252	1260	.723	.893		7046	732	1.7905
P253	1265	.726	.893		7046	732	1.7872
P254	1270	.729	.893		7046	732	1.7840
P255	1275	.732	.893		7046	732	1.7807
P256	1280	.734	.893		7046	732	1.7786
P257	1285	.737	.893		7046	732	1.7754

COMPANY: PHILLIPS PET NORWAY

TICKET NO: HDD1407

GAUGE NO: 700

1ST CLOSURE CONTINUED

TIME		PRESSURE		T-070		
MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG	DELTA P		
P258	1290	.740	.893	7046	732	1.7723
P259	1295	.743	.893	7046	732	1.7692
P260	1300	.746	.893	7046	732	1.7661
P261	1305	.749	.893	7046	732	1.7630
P262	1310	.752	.893	7046	732	1.7600
P263	1315	.755	.893	7046	732	1.7570
P264	1320	.757	.894	7054	740	1.7550
P265	1325	.760	.894	7054	740	1.7520
P266	1330	.763	.894	7054	740	1.7490
P267	1335	.766	.894	7054	740	1.7461
P268	1340	.769	.894	7054	740	1.7432
P269	1345	.772	.894	7054	740	1.7403
P270	1350	.775	.894	7054	740	1.7374
P271	1355	.778	.894	7054	740	1.7346
P272	1360	.780	.894	7054	740	1.7327
P273	1365	.783	.894	7054	740	1.7299
P274	1370	.786	.894	7054	740	1.7271
P275	1375	.789	.894	7054	740	1.7243
P276	1380	.792	.894	7054	740	1.7216
P277	1385	.795	.894	7054	740	1.7189
P278	1390	.798	.894	7054	740	1.7162
P279	1395	.800	.894	7054	740	1.7144
P280	1400	.803	.894	7054	740	1.7117
P281	1405	.806	.894	7054	740	1.7091
P282	1410	.809	.894	7054	740	1.7064
P283	1415	.812	.894	7054	740	1.7038
P284	1420	.815	.894	7054	740	1.7012
P285	1425	.818	.895	7062	748	1.6987
P286	1430	.821	.895	7062	748	1.6961
P287	1435	.823	.895	7062	748	1.6944
P288	1440	.826	.895	7062	748	1.6919
P289	1445	.829	.895	7062	748	1.6894
P290	1450	.832	.895	7062	748	1.6869
P291	1455	.835	.895	7062	748	1.6844
P292	1460	.838	.895	7062	748	1.6820
P293	1465	.841	.895	7062	748	1.6795
P294	1470	.844	.895	7062	748	1.6771
P295	1475	.846	.895	7062	748	1.6755
P296	1480	.849	.895	7062	748	1.6731
P297	1485	.852	.895	7062	748	1.6708
P298	1490	.855	.895	7062	748	1.6684
P299	1495	.858	.895	7062	748	1.6661
P300	1500	.861	.895	7062	748	1.6638

COMPANY: PHILLIPS PET NORWAY
 TICKET NO: H001407
 GAUGE NO: 700

1ST CLOSURE CONTINUED

	TIME		PRESSURE		PSIG	DELTA P	T-O/D
	MINUTES	INCHES DEFL.	INCHES DEFL.				
P301	1505	.864	.895		7062	748	1.6615
P302	1510	.866	.895		7062	748	1.6599
P303	1515	.869	.895		7062	748	1.6577
P304	1520	.872	.895		7062	748	1.6554
P305	1525	.875	.895		7062	748	1.6531
P306	1530	.878	.895		7062	748	1.6509
P307	1535	.881	.895		7062	748	1.6487
P308	1540	.884	.895		7062	748	1.6465
P309	1545	.887	.895		7062	748	1.6443
P310	1550	.889	.895		7062	748	1.6429
P311	1555	.892	.895		7062	748	1.6407
P312	1560	.895	.895		7062	748	1.6385
P313	1565	.898	.896		7069	755	1.6364
P314	1570	.901	.896		7069	755	1.6343
P315	1575	.904	.896		7069	755	1.6322
P316	1580	.907	.896		7069	755	1.6301
P317	1585	.910	.896		7069	755	1.6280
P318	1590	.912	.896		7069	755	1.6266
P319	1595	.915	.896		7069	755	1.6246
P320	1600	.918	.896		7069	755	1.6225
P321	1605	.921	.896		7069	755	1.6205
P322	1610	.924	.896		7069	755	1.6185
P323	1615	.927	.896		7069	755	1.6165
P324	1620	.930	.896		7069	755	1.6145
P325	1625	.932	.896		7069	755	1.6132
P326	1630	.935	.896		7069	755	1.6112
P327	1635	.938	.896		7069	755	1.6093
P328	1640	.941	.896		7069	755	1.6073
P329	1645	.944	.896		7069	755	1.6054
P330	1650	.947	.897		7077	763	1.6035
P331	1655	.950	.897		7077	763	1.6016
P332	1660	.953	.897		7077	763	1.5997
P333	1665	.955	.897		7077	763	1.5984
P334	1670	.958	.897		7077	763	1.5966
P335	1675	.961	.897		7077	763	1.5947
P336	1680	.964	.897		7077	763	1.5928
P337	1685	.967	.897		7077	763	1.5910
P338	1690	.970	.897		7077	763	1.5892
P339	1695	.973	.897		7077	763	1.5874
P340	1700	.975	.897		7077	763	1.5862
P341	1705	.978	.897		7077	763	1.5844
P342	1710	.981	.897		7077	763	1.5826
P343	1715	.984	.897		7077	763	1.5808

COMPANY: PHILLIPS PET NORWAY
 TICKET NO: H001407
 GAUGE NO: 700

1BT CLOSURE CONTINUED

TIME		PRESSURE		T+0/D		
MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG	DELTA P		
P344	1720	.987	.897	7077	763	1.5790
P345	1725	.990	.897	7077	763	1.5773
P346	1730	.993	.897	7077	763	1.5755
P347	1735	.996	.897	7077	763	1.5738
P348	1740	.998	.897	7077	763	1.5726
P349	1745	1.001	.899	7093	779	1.5709
P350	1750	1.004	.899	7093	779	1.5692
P351	1755	1.007	.899	7093	779	1.5675
P352	1760	1.010	.899	7093	779	1.5658
P353	1765	1.013	.899	7093	779	1.5642
P354	1770	1.016	.899	7093	779	1.5625
P355	1775	1.019	.899	7093	779	1.5608
P356	1780	1.021	.899	7093	779	1.5597
P357	1785	1.024	.895	7062	748	1.5581
P358	1790	1.027	.867	6842	528	1.5565
P359	1795	1.030	.890	7023	709	1.5549
P360	1800	1.033	.895	7062	748	1.5532
P361	1805	1.036	.896	7069	755	1.5516
P362	1810	1.039	.897	7077	763	1.5500
P363	1815	1.041	.897	7077	763	1.5483
P364	1820	1.044	.898	7085	771	1.5474
P365	1825	1.047	.898	7085	771	1.5458
P366	1830	1.050	.898	7085	771	1.5443
P367	1835	1.053	.898	7085	771	1.5427
P368	1840	1.056	.898	7085	771	1.5412
P369	1845	1.059	.898	7085	771	1.5397
P370	1850	1.062	.898	7085	771	1.5381
P371	1855	1.064	.899	7093	779	1.5371
P372	1860	1.067	.899	7093	779	1.5356
P373	1865	1.070	.899	7093	779	1.5341
P374	1870	1.073	.899	7093	779	1.5326
P375	1875	1.076	.899	7093	779	1.5311
P376	1880	1.079	.899	7093	779	1.5297
P377	1885	1.082	.899	7093	779	1.5282
P378	1890	1.085	.899	7093	779	1.5267
P379	1895	1.087	.899	7093	779	1.5253
P380	1900	1.090	.899	7093	779	1.5243
P381	1905	1.093	.899	7093	779	1.5229
P382	1910	1.096	.899	7093	779	1.5214
P383	1915	1.099	.899	7093	779	1.5200
P384	1920	1.102	.899	7093	779	1.5186
P385	1925	1.105	.899	7093	779	1.5172
P386	1930	1.107	.899	7093	779	1.5163

COMPANY: PHILLIPS PET NORWAY
 TICKET NO: H001407
 GAUGE NO: 700

1ST CLOSURE CONTINUED

MINUTES	TIME	PRESSURE		PSIG	DELTA P	T+0/0
	INCHES DEFL.	INCHES DEFL.				
P387	1935	1.110	.899	7093	779	1.5149
P388	1940	1.113	.899	7093	779	1.5135
P389	1945	1.116	.901	7108	794	1.5121
P390	1950	1.119	.901	7108	794	1.5107
P391	1955	1.122	.901	7108	794	1.5094
P392	1960	1.125	.901	7108	794	1.5080
P393	1965	1.128	.901	7108	794	1.5066
P394	1970	1.130	.901	7108	794	1.5058
P395	1975	1.133	.901	7108	794	1.5044
P396	1980	1.136	.901	7108	794	1.5031
P397	1985	1.139	.901	7108	794	1.5018
P398	1990	1.142	.901	7108	794	1.5004
P399	1995	1.145	.901	7108	794	1.4991
P400	2000	1.148	.901	7108	794	1.4978
P401	2005	1.151	.901	7108	794	1.4965
P402	2010	1.153	.901	7108	794	1.4957
P403	2015	1.156	.901	7108	794	1.4944
P404	2020	1.159	.901	7108	794	1.4931
P405	2025	1.162	.901	7108	794	1.4918
P406	2030	1.165	.901	7108	794	1.4906
P407	2035	1.168	.901	7108	794	1.4893
P408	2040	1.171	.901	7108	794	1.4880
P409	2045	1.173	.901	7108	794	1.4872
P410	2050	1.176	.901	7108	794	1.4860
P411	2055	1.179	.901	7108	794	1.4847
P412	2060	1.182	.901	7108	794	1.4835
P413	2065	1.185	.901	7108	794	1.4823
P414	2070	1.188	.901	7108	794	1.4811
P415	2075	1.191	.901	7108	794	1.4798
P416	2080	1.194	.901	7108	794	1.4786
P417	2085	1.196	.901	7108	794	1.4778
P418	2090	1.199	.901	7108	794	1.4766
P419	2095	1.202	.901	7108	794	1.4755
P420	2100	1.205	.901	7108	794	1.4743
P421	2105	1.208	.901	7108	794	1.4731
P422	2110	1.211	.901	7108	794	1.4719
P423	2115	1.214	.901	7108	794	1.4708
P424	2120	1.217	.901	7108	794	1.4696
P425	2125	1.219	.901	7108	794	1.4688
P426	2130	1.222	.901	7108	794	1.4677
P427	2135	1.225	.901	7108	794	1.4665
P428	2140	1.228	.901	7108	794	1.4654
P429	2145	1.231	.901	7108	794	1.4643

COMPANY: PHILLIPS PET NORWAY
 TICKET NO: H001407
 GAUGE NO: 700

1ST CLOSURE CONTINUED

	TIME		PRESSURE		PSIG	DELTA P	T+0/E
	MINUTES	INCHES DEFL.	INCHES DEFL.				
P430	2150	1.234	.901		7108	794	1.44631
P431	2155	1.237	.901		7108	794	1.44620
P432	2160	1.239	.901		7108	794	1.44613
P433	2165	1.242	.901		7108	794	1.44601
P434	2170	1.245	.901		7108	794	1.44590
P435	2175	1.248	.901		7108	794	1.44579
P436	2180	1.251	.901		7108	794	1.44568
P437	2185	1.254	.901		7108	794	1.44557
P438	2190	1.257	.901		7108	794	1.44547
P439	2195	1.260	.901		7108	794	1.44536
P440	2200	1.262	.901		7108	794	1.44529
P441	2205	1.265	.901		7108	794	1.44518
P442	2210	1.268	.901		7108	794	1.44507
P443	2215	1.271	.901		7108	794	1.44496
P444	2220	1.274	.901		7108	794	1.44486
P445	2225	1.277	.901		7108	794	1.44475
P446	2230	1.280	.901		7108	794	1.44465
P447	2235	1.282	.901		7108	794	1.44458
P448	2240	1.285	.901		7108	794	1.44447
P449	2245	1.288	.901		7108	794	1.44437
P450	2250	1.291	.901		7108	794	1.44427
P451	2255	1.294	.901		7108	794	1.44417
P452	2260	1.297	.901		7108	794	1.44406
P453	2265	1.300	.901		7108	794	1.44396
P454	2270	1.303	.901		7108	794	1.44386
P455	2275	1.305	.901		7108	794	1.44379
P456	2282	1.309	.901		7108	794	1.44366

COMPANY: PHILLIPS PET NORWAY
 TICKET NO: H001407
 GAUGE NO: 700

2ND FLOW 13. 5 MINUTE INTERVALS. LAST INTERVAL = 6 MINS.

 TOTAL 71 MINUTES

	TIME		PRESSURE		DELTA P
	MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG	
P0	0	.000	.901	7108	0
P1	5	.003	.868	6850	258
P2	10	.006	.835	6590	518
P3	15	.009	.796	6288	825
P4	20	.011	.796	6288	825
P5	25	.014	.797	6291	817
P6	30	.017	.789	6228	880
P7	35	.020	.785	6196	912
P8	40	.023	.786	6181	927
P9	45	.026	.776	6125	983
P10	50	.029	.771	6086	1022
P11	55	.032	.770	6078	1030
P12	60	.034	.770	6078	1030
P13	65	.037	.768	6062	1046
P14	71	.041	.766	6047	1061

COMPANY: PHILLIPS PET NORWAY

TICKET NO: H001407

GAUGE NO: 700

2ND CLOSURE 75. 5 MINUTE INTERVALS. LAST INTERVAL= 6 MINS.

 TOTAL 381 MINUTES

	TIME		PRESSURE		DELTA P	T+0/D
	MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG		
F0	0	.000	.766	6047	0	
F1	5	.003	.854	6740	693	14.5667
F2	10	.006	.863	6811	764	7.7833
F3	15	.009	.868	6850	803	5.5222
F4	20	.011	.870	6866	819	4.7000
F5	25	.014	.874	6897	850	3.9071
F6	30	.017	.877	6921	874	3.3941
F7	35	.020	.879	6937	890	3.0350
F8	40	.023	.881	6952	905	2.7696
F9	45	.026	.882	6960	913	2.5654
F10	50	.029	.884	6976	929	2.4034
F11	55	.032	.885	6984	937	2.2719
F12	60	.034	.886	6992	945	2.1671
F13	65	.037	.887	7000	953	2.1000
F14	70	.040	.888	7007	960	2.0175
F15	75	.043	.888	7007	960	1.9465
F16	80	.046	.889	7015	968	1.8848
F17	85	.049	.889	7015	968	1.8306
F18	90	.051	.890	7023	976	1.7827
F19	95	.055	.891	7031	984	1.7400
F20	100	.057	.891	7031	984	1.7140
F21	105	.060	.892	7038	991	1.6783
F22	110	.063	.892	7038	991	1.6460
F23	115	.066	.893	7046	999	1.6167
F24	120	.069	.893	7046	999	1.5899
F25	125	.072	.893	7046	999	1.5653
F26	130	.075	.893	7046	999	1.5427
F27	135	.077	.893	7046	999	1.5216
F28	140	.080	.893	7046	999	1.5017
F29	145	.083	.893	7046	999	1.4804
F30	150	.086	.894	7054	1007	1.4733
F31	155	.089	.894	7054	1007	1.4573
F32	160	.092	.895	7062	1015	1.4424
F33	165	.095	.895	7062	1015	1.4284
F34	170	.098	.895	7062	1015	1.4153
F35	175	.100	.895	7062	1015	1.4070
F36	180	.103	.896	7069	1022	1.3951
F37	185	.106	.896	7069	1022	1.3840
F38	190	.109	.896	7069	1022	1.3734
F39	195	.112	.896	7069	1022	1.3634
F40	200	.115	.897	7077	1030	1.3535
F41	205	.118	.897	7077	1030	1.3449
F42	210	.121	.897	7077	1030	1.3364

COMPANY: PHILLIPS PET NORWAY

TICKET NO: H001407

SAUGE NO: 700

2ND CLOSURE CONTINUED

	TIME		PRESSURE		DELTA P	T+0/0
	MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG		
P43	215	.123	.897	7077	1080	1.3309
P44	220	.126	.897	7077	1080	1.3230
P45	225	.129	.897	7077	1080	1.3155
P46	230	.132	.897	7077	1080	1.3083
P47	235	.135	.897	7077	1080	1.3015
P48	240	.138	.897	7077	1080	1.2949
P49	245	.141	.897	7077	1080	1.2887
P50	250	.143	.897	7077	1080	1.2844
P51	255	.146	.898	7085	1038	1.2788
P52	260	.149	.898	7085	1038	1.2732
P53	265	.152	.898	7085	1038	1.2678
P54	270	.155	.898	7085	1038	1.2626
P55	275	.158	.898	7085	1038	1.2576
P56	280	.161	.898	7085	1038	1.2528
P57	285	.164	.898	7085	1038	1.2482
P58	290	.166	.898	7085	1038	1.2452
P59	295	.169	.898	7085	1038	1.2408
P60	300	.172	.898	7085	1038	1.2366
P61	305	.175	.898	7085	1038	1.2326
P62	310	.178	.898	7085	1038	1.2287
P63	315	.181	.899	7093	1046	1.2249
P64	320	.184	.899	7093	1046	1.2212
P65	325	.186	.899	7093	1046	1.2186
P66	330	.189	.899	7093	1046	1.2158
P67	335	.192	.899	7093	1046	1.2120
P68	340	.195	.899	7093	1046	1.2087
P69	345	.198	.899	7093	1046	1.2056
P70	350	.201	.899	7093	1046	1.2025
P71	355	.204	.899	7093	1046	1.1995
P72	360	.207	.899	7093	1046	1.1966
P73	365	.209	.899	7093	1046	1.1947
P74	370	.212	.899	7093	1046	1.1920
P75	375	.215	.899	7093	1046	1.1893
P76	381	.219	.899	7093	1046	1.1858

COMPANY: PHILLIPS PET NORWAY
 TICKET NO: H001407
 GAUGE NO: 700

GRD FLOW 100. 5 MINUTE INTERVALS. LAST INTERVAL= 4 MINS.

 TOTAL 519 MINUTES

	TIME		PRESSURE		DELTA P
	MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG	
P0	0	.000	.899	7093	0
P1	5	.003	.885	6984	109
P2	10	.006	.872	6881	212
P3	15	.009	.874	6897	196
P4	20	.011	.871	6874	219
P5	25	.014	.868	6850	243
P6	30	.017	.868	6850	243
P7	35	.020	.868	6850	243
P8	40	.023	.858	6771	322
P9	45	.026	.853	6732	361
P10	50	.029	.854	6740	353
P11	55	.032	.852	6724	369
P12	60	.034	.851	6716	377
P13	65	.037	.848	6692	401
P14	70	.040	.848	6692	401
P15	75	.043	.847	6685	408
P16	80	.046	.846	6677	416
P17	85	.049	.845	6669	424
P18	90	.051	.844	6661	432
P19	95	.055	.842	6645	448
P20	100	.057	.841	6637	456
P21	105	.060	.841	6637	456
P22	110	.063	.840	6629	464
P23	115	.066	.840	6629	464
P24	120	.069	.840	6629	464
P25	125	.072	.840	6629	464
P26	130	.075	.839	6622	471
P27	135	.077	.839	6622	471
P28	140	.080	.838	6614	479
P29	145	.083	.838	6614	479
P30	150	.086	.837	6606	487
P31	155	.089	.837	6606	487
P32	160	.092	.837	6606	487
P33	165	.095	.836	6598	495
P34	170	.098	.836	6598	495
P35	175	.100	.836	6598	495
P36	180	.103	.836	6598	495
P37	185	.106	.836	6598	495
P38	190	.109	.835	6590	503
P39	195	.112	.835	6590	503
P40	200	.115	.834	6582	511
P41	205	.118	.834	6582	511
P42	210	.121	.834	6582	511

COMPANY: PHILLIPS PET NORWAY
 TICKET NO: H001407
 GAUGE NO: 700

GRD FLOW CONTINUED

	TIME		PRESSURE		DELTA P
	MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG	
P43	215	.123	.834	6582	511
P44	220	.126	.834	6582	511
P45	225	.129	.834	6582	511
P46	230	.132	.834	6582	511
P47	235	.135	.833	6574	519
P48	240	.138	.833	6574	519
P49	245	.141	.833	6574	519
P50	250	.143	.833	6574	519
P51	255	.146	.833	6574	519
P52	260	.149	.833	6574	519
P53	265	.152	.832	6566	527
P54	270	.155	.832	6566	527
P55	275	.158	.832	6566	527
P56	280	.161	.832	6566	527
P57	285	.164	.832	6566	527
P58	290	.166	.832	6566	527
P59	295	.169	.831	6559	534
P60	300	.172	.831	6559	534
P61	305	.175	.831	6559	534
P62	310	.178	.831	6559	534
P63	315	.181	.831	6559	534
P64	320	.184	.831	6559	534
P65	325	.186	.831	6559	534
P66	330	.189	.831	6559	534
P67	335	.192	.830	6551	542
P68	340	.195	.830	6551	542
P69	345	.198	.830	6551	542
P70	350	.201	.830	6551	542
P71	355	.204	.830	6551	542
P72	360	.207	.830	6551	542
P73	365	.209	.830	6551	542
P74	370	.212	.829	6543	550
P75	375	.215	.829	6543	550
P76	380	.218	.829	6543	550
P77	385	.221	.829	6543	550
P78	390	.224	.829	6543	550
P79	395	.227	.829	6543	550
P80	400	.230	.829	6543	550
P81	405	.232	.828	6535	558
P82	410	.235	.828	6535	558
P83	415	.238	.828	6535	558
P84	420	.241	.828	6535	558
P85	425	.244	.828	6535	558

COMPANY: PHILLIPS PET NORWAY
 TICKET NO: HDD1407
 GAUGE NO: 700

GRI FLOW CONTINUED

	TIME		PRESSURE	
	MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG
P86	430	.247	.825	6535
P87	435	.250	.828	6535
P88	440	.252	.828	6535
P89	445	.255	.828	6535
P90	450	.258	.828	6535
P91	455	.261	.827	6527
P92	460	.264	.827	6527
P93	465	.267	.827	6527
P94	470	.270	.827	6527
P95	475	.273	.827	6527
P96	480	.275	.827	6527
P97	485	.278	.827	6527
P98	490	.281	.827	6527
P99	495	.284	.827	6527
P100	500	.287	.827	6527
P101	505	.290	.827	6527
P102	510	.293	.827	6527
P103	515	.296	.827	6527
P104	518	.298	.827	6527

COMPANY: PHILLIPS PET NORWAY
 TICKET NO: H001407
 GAUGE NO: 700

GRD CLOSURE 32. 5 MINUTE INTERVALS. LAST INTERVAL= 6 MINS.

 TOTAL 166 MINUTES

	TIME		PRESSURE		DELTA P	T+0/3
	MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG		
P0	0	.000	.827	6527	0	
P1	5	.003	.853	6732	205	100.2667
P2	10	.006	.858	6771	244	50.6333
P3	15	.009	.861	6795	268	34.0889
P4	20	.011	.863	6811	284	28.0727
P5	25	.014	.865	6826	299	22.2714
P6	30	.017	.866	6834	307	18.5176
P7	35	.020	.868	6850	323	15.2900
P8	40	.023	.870	6866	339	13.9478
P9	45	.026	.871	6874	347	12.4538
P10	50	.029	.873	6887	362	11.2690
P11	55	.032	.874	6897	370	10.3062
P12	60	.034	.875	6905	378	9.7588
P13	65	.037	.875	6905	378	9.0486
P14	70	.040	.876	6913	386	8.4450
P15	75	.043	.876	6913	386	7.9256
P16	80	.046	.877	6921	394	7.4789
P17	85	.049	.877	6921	394	7.0776
P18	90	.052	.876	6913	386	6.7269
P19	95	.055	.876	6929	402	6.4143
P20	100	.057	.879	6937	410	6.2246
P21	105	.060	.879	6937	410	5.9633
P22	110	.063	.880	6944	417	5.7270
P23	115	.066	.881	6952	425	5.5121
P24	120	.069	.881	6952	425	5.3159
P25	125	.072	.882	6960	433	5.1361
P26	130	.075	.882	6960	433	4.9707
P27	135	.077	.882	6960	433	4.8675
P28	140	.080	.883	6968	441	4.7225
P29	145	.083	.883	6968	441	4.5880
P30	150	.086	.883	6968	441	4.4628
P31	155	.089	.884	6976	449	4.3461
P32	160	.092	.884	6976	449	4.2370
P33	166	.095	.884	6976	449	4.1347

COMPANY: PHILLIPS PET NORWAY
 TICKET NO: H001407
 GAUGE NO: 700

4TH FLOW 63. 5 MINUTE INTERVALS, LAST INTERVAL= 5 MINS.

 TOTAL 320 MINUTES

	TIME		PRESSURE		DELTA P
	MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG	
P0	0	.000	.864	6676	0
P1	5	.003	.848	6692	284
P2	10	.006	.848	6692	284
P3	15	.009	.848	6692	284
P4	20	.011	.847	6685	291
P5	25	.014	.847	6685	291
P6	30	.017	.845	6669	307
P7	35	.020	.844	6661	315
P8	40	.023	.842	6645	331
P9	45	.026	.841	6637	339
P10	50	.029	.840	6629	347
P11	55	.032	.839	6622	354
P12	60	.034	.836	6598	376
P13	65	.037	.835	6590	386
P14	70	.040	.835	6590	386
P15	75	.043	.834	6582	394
P16	80	.046	.834	6582	394
P17	85	.049	.833	6574	402
P18	90	.052	.833	6574	402
P19	95	.055	.833	6574	402
P20	100	.057	.832	6566	410
P21	105	.060	.831	6559	417
P22	110	.063	.831	6559	417
P23	115	.066	.831	6559	417
P24	120	.069	.830	6551	425
P25	125	.072	.830	6551	425
P26	130	.075	.830	6551	425
P27	135	.077	.830	6551	425
P28	140	.080	.829	6543	433
P29	145	.083	.829	6543	433
P30	150	.086	.829	6543	433
P31	155	.089	.828	6535	441
P32	160	.092	.827	6527	449
P33	165	.095	.827	6527	449
P34	170	.098	.827	6527	449
P35	175	.100	.827	6527	449
P36	180	.103	.827	6527	449
P37	185	.106	.827	6527	449
P38	190	.109	.827	6527	449
P39	195	.112	.827	6527	449
P40	200	.115	.826	6519	457
P41	205	.118	.826	6519	457
P42	210	.121	.826	6519	457

COMPANY: PHILLIPS PET NORWAY
 TICKET NO: H001407
 GAUGE NO: 700

4TH FLOW CONTINUED

	TIME		PRESSURE		PSIG	DELTA P
	MINUTES	INCHES DEFL.	INCHES DEFL.			
P43	215	.123	.826		6519	457
P44	220	.126	.826		6519	457
P45	225	.129	.826		6519	457
P46	230	.132	.826		6519	457
P47	235	.135	.826		6519	457
P48	240	.138	.826		6519	457
P49	245	.141	.826		6519	457
P50	250	.143	.826		6519	457
P51	255	.146	.826		6519	457
P52	260	.149	.826		6519	457
P53	265	.152	.826		6519	457
P54	270	.155	.826		6519	457
P55	275	.158	.826		6519	457
P56	280	.161	.826		6519	457
P57	285	.164	.826		6519	457
P58	290	.166	.826		6519	457
P59	295	.169	.826		6519	457
P60	300	.172	.825		6511	465
P61	305	.175	.825		6511	465
P62	310	.178	.825		6511	465
P63	315	.181	.824		6503	473
P64	320	.184	.823		6496	480

COMPANY: PHILLIPS PET NORWAY
 TICKET NO: HDD1407
 GAUGE NO: 700

4TH CLOSURE 203. 5 MINUTE INTERVALS. LAST INTERVAL= 6 MINS.

 TOTAL 1021 MINUTES

	TIME		PRESSURE		PSIG	DELTA P	T+0.10
	MINUTES	INCHES DEFL.	INCHES DEFL.				
P0	0	.000	.823		6496	0	
P1	5	.003	.850		6708	212	62.2000
P2	10	.006	.857		6763	267	31.6000
P3	15	.009	.861		6795	299	21.4000
P4	20	.011	.862		6803	307	17.6909
P5	25	.014	.865		6826	380	14.1143
P6	30	.017	.867		6842	346	11.8000
P7	35	.020	.868		6850	354	10.1800
P8	40	.023	.870		6866	370	8.9826
P9	45	.026	.871		6874	378	8.0615
P10	50	.029	.872		6881	385	7.3310
P11	55	.032	.873		6889	393	6.7375
P12	60	.034	.873		6889	393	6.4000
P13	65	.037	.874		6897	401	5.9622
P14	70	.040	.875		6905	409	5.5900
P15	75	.043	.876		6913	417	5.2698
P16	80	.046	.876		6913	417	4.9813
P17	85	.049	.877		6921	425	4.7469
P18	90	.052	.877		6921	425	4.5308
P19	95	.055	.878		6929	433	4.3182
P20	100	.057	.878		6929	433	4.2211
P21	105	.060	.879		6937	441	4.0600
P22	110	.063	.879		6937	441	3.9143
P23	115	.066	.880		6944	448	3.7818
P24	120	.069	.880		6944	448	3.6639
P25	125	.072	.881		6952	456	3.5500
P26	130	.075	.881		6952	456	3.4480
P27	135	.077	.881		6952	456	3.3844
P28	140	.080	.882		6960	464	3.2950
P29	145	.083	.882		6960	464	3.2120
P30	150	.086	.882		6960	464	3.1349
P31	155	.089	.883		6968	472	3.0629
P32	160	.092	.883		6968	472	2.9957
P33	165	.095	.883		6968	472	2.9326
P34	170	.098	.884		6976	480	2.8735
P35	175	.100	.884		6976	480	2.8360
P36	180	.103	.884		6976	480	2.7825
P37	185	.106	.884		6976	480	2.7321
P38	190	.109	.884		6976	480	2.6844
P39	195	.112	.885		6984	488	2.6393
P40	200	.115	.885		6984	488	2.5965
P41	205	.118	.885		6984	488	2.5559
P42	210	.121	.885		6984	488	2.5174

COMPANY: PHILLIPS PET NORWAY

TICKET NO: H001407

GAUGE NO: 700

4TH CLOSURE CONTINUED

	TIME		PRESSURE		DELTA P	T+0/D
	MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG		
P43	215	.123	.886	6992	496	2.4927
P44	220	.126	.886	6992	496	2.4571
P45	225	.129	.886	6992	496	2.4238
P46	230	.132	.886	6992	496	2.3909
P47	235	.135	.887	7000	504	2.3600
P48	240	.138	.887	7000	504	2.3304
P49	245	.141	.887	7000	504	2.3021
P50	250	.143	.887	7000	504	2.2839
P51	255	.146	.887	7000	504	2.2575
P52	260	.149	.887	7000	504	2.2322
P53	265	.152	.888	7007	511	2.2079
P54	270	.155	.888	7007	511	2.1845
P55	275	.158	.888	7007	511	2.1620
P56	280	.161	.888	7007	511	2.1404
P57	285	.164	.888	7007	511	2.1195
P58	290	.166	.888	7007	511	2.1060
P59	295	.169	.889	7015	519	2.0864
P60	300	.171	.889	7015	519	2.0674
P61	305	.175	.889	7015	519	2.0491
P62	310	.178	.889	7015	519	2.0315
P63	315	.181	.889	7015	519	2.0144
P64	320	.184	.890	7023	527	1.9978
P65	325	.186	.890	7023	527	1.9871
P66	330	.189	.890	7023	527	1.9714
P67	335	.192	.890	7023	527	1.9562
P68	340	.195	.890	7023	527	1.9415
P69	345	.198	.890	7023	527	1.9276
P70	350	.201	.890	7023	527	1.9134
P71	355	.204	.891	7031	535	1.9000
P72	360	.207	.891	7031	535	1.8870
P73	365	.209	.891	7031	535	1.8785
P74	370	.212	.891	7031	535	1.8660
P75	375	.215	.891	7031	535	1.8540
P76	380	.218	.891	7031	535	1.8422
P77	385	.221	.891	7031	535	1.8308
P78	390	.224	.891	7031	535	1.8196
P79	395	.227	.891	7031	535	1.8088
P80	400	.230	.892	7038	542	1.7983
P81	405	.232	.892	7038	542	1.7914
P82	410	.235	.892	7038	542	1.7818
P83	415	.238	.892	7038	542	1.7714
P84	420	.241	.892	7038	542	1.7618
P85	425	.244	.892	7038	542	1.7525

COMPANY: PHILLIPS PET NORWAY

TICKET NO: H001407

GAUGE NO: 700

ATH CLOSURE CONTINUED

	TIME		PRESSURE		PSIG	DELTA P	T+0/D
	MINUTES	INCHES DEFL.	INCHES DEFL.				
P86	430	.247	.892		7038	542	1.7433
P87	435	.250	.892		7038	542	1.7344
P88	440	.252	.892		7038	542	1.7286
P89	445	.255	.892		7038	542	1.7200
P90	450	.258	.893		7046	550	1.7116
P91	455	.261	.893		7046	550	1.7034
P92	460	.264	.893		7046	550	1.6955
P93	465	.267	.893		7046	550	1.6876
P94	470	.270	.893		7046	550	1.6800
P95	475	.273	.893		7046	550	1.6725
P96	480	.275	.893		7046	550	1.6676
P97	485	.278	.893		7046	550	1.6634
P98	490	.281	.893		7046	550	1.6584
P99	495	.284	.893		7046	550	1.6465
P100	500	.287	.894		7054	558	1.6397
P101	505	.290	.894		7054	558	1.6331
P102	510	.293	.894		7054	558	1.6266
P103	515	.296	.894		7054	558	1.6203
P104	520	.298	.894		7054	558	1.6161
P105	525	.301	.894		7054	558	1.6100
P106	530	.304	.894		7054	558	1.6039
P107	535	.307	.894		7054	558	1.5980
P108	540	.310	.894		7054	558	1.5923
P109	545	.313	.894		7054	558	1.5866
P110	550	.316	.894		7054	558	1.5810
P111	555	.318	.894		7054	558	1.5774
P112	560	.321	.894		7054	558	1.5720
P113	565	.324	.895		7062	566	1.5667
P114	570	.327	.895		7062	566	1.5615
P115	575	.330	.895		7062	566	1.5564
P116	580	.333	.895		7062	566	1.5514
P117	585	.336	.895		7062	566	1.5464
P118	590	.339	.895		7062	566	1.5416
P119	595	.341	.895		7062	566	1.5384
P120	600	.344	.895		7062	566	1.5337
P121	605	.347	.895		7062	566	1.5291
P122	610	.350	.895		7062	566	1.5246
P123	615	.353	.895		7062	566	1.5201
P124	620	.356	.895		7062	566	1.5157
P125	625	.359	.895		7062	566	1.5114
P126	630	.362	.895		7062	566	1.5072
P127	635	.364	.895		7062	566	1.5044
P128	640	.367	.895		7062	566	1.5003

COMPANY: PHILLIPS PET NORWAY
 TICKET NO: H001407
 GAUGE NO: 700

ATH CLOSURE CONTINUED

	TIME		PRESSURE		FBIS	DELTA P	T+0/D
	MINUTES	INCHES DEFL.	INCHES DEFL.				
P129	645	.370	.895		7062	566	1.4962
P130	650	.373	.895		7062	566	1.4922
P131	655	.376	.895		7062	566	1.4883
P132	660	.379	.895		7062	566	1.4844
P133	665	.382	.895		7062	566	1.4806
P134	670	.384	.896		7069	573	1.4781
P135	675	.387	.896		7069	573	1.4744
P136	680	.390	.896		7069	573	1.4708
P137	685	.393	.896		7069	573	1.4672
P138	690	.396	.896		7069	573	1.4636
P139	695	.399	.896		7069	573	1.4602
P140	700	.402	.896		7069	573	1.4567
P141	705	.405	.896		7069	573	1.4533
P142	710	.407	.896		7069	573	1.4511
P143	715	.410	.896		7069	573	1.4478
P144	720	.413	.896		7069	573	1.4446
P145	725	.416	.896		7069	573	1.4413
P146	730	.419	.897		7077	581	1.4382
P147	735	.422	.897		7077	581	1.4351
P148	740	.425	.897		7077	581	1.4320
P149	745	.427	.897		7077	581	1.4300
P150	750	.430	.897		7077	581	1.4270
P151	755	.433	.897		7077	581	1.4240
P152	760	.436	.897		7077	581	1.4211
P153	765	.439	.897		7077	581	1.4182
P154	770	.442	.897		7077	581	1.4154
P155	775	.445	.897		7077	581	1.4126
P156	780	.448	.897		7077	581	1.4098
P157	785	.450	.897		7077	581	1.4080
P158	790	.453	.897		7077	581	1.4053
P159	795	.456	.897		7077	581	1.4026
P160	800	.459	.897		7077	581	1.4000
P161	805	.462	.897		7077	581	1.3974
P162	810	.465	.897		7077	581	1.3948
P163	815	.466	.898		7085	589	1.3923
P164	820	.471	.898		7085	589	1.3898
P165	825	.473	.898		7085	589	1.3882
P166	830	.476	.898		7085	589	1.3857
P167	835	.479	.898		7085	589	1.3833
P168	840	.482	.898		7085	589	1.3809
P169	845	.485	.898		7085	589	1.3786
P170	850	.488	.898		7085	589	1.3762
P171	855	.491	.898		7085	589	1.3739

COMPANY: PHILLIPS PET NORWAY
 TICKET NO: H001407
 GAUGE NO: 700

4TH CLOSURE CONTINUED

	TIME		PRESSURE		PSIG	DELTA P	T+0/2
	MINUTES	INCHES DEFL.	INCHES DEFL.				
P172	860	.493	.898		7085	589	1.3724
P173	865	.496	.898		7085	589	1.3702
P174	870	.499	.898		7085	589	1.3679
P175	875	.502	.898		7085	589	1.3657
P176	880	.505	.898		7085	589	1.3636
P177	885	.508	.898		7085	589	1.3614
P178	890	.511	.898		7085	589	1.3593
P179	895	.514	.898		7085	589	1.3572
P180	900	.516	.898		7085	589	1.3558
P181	905	.519	.898		7085	589	1.3536
P182	910	.522	.898		7085	589	1.3517
P183	915	.525	.898		7085	589	1.3497
P184	920	.528	.898		7085	589	1.3477
P185	925	.531	.898		7085	589	1.3458
P186	930	.534	.898		7085	589	1.3438
P187	935	.537	.898		7085	589	1.3419
P188	940	.539	.898		7085	589	1.3404
P189	945	.542	.898		7085	589	1.3387
P190	950	.545	.898		7085	589	1.3369
P191	955	.548	.899		7093	597	1.3350
P192	960	.551	.899		7093	597	1.3332
P193	965	.554	.899		7093	597	1.3314
P194	970	.557	.899		7093	597	1.3296
P195	975	.559	.899		7093	597	1.3284
P196	980	.562	.899		7093	597	1.3267
P197	985	.565	.899		7093	597	1.3250
P198	990	.568	.899		7093	597	1.3232
P199	995	.571	.899		7093	597	1.3215
P200	1000	.574	.899		7093	597	1.3197
P201	1005	.577	.899		7093	597	1.3182
P202	1010	.580	.899		7093	597	1.3164
P203	1015	.582	.899		7093	597	1.3155
P204	1021	.586	.899		7093	597	1.3133

COMPANY: PHILLIPS PET NORWAY
 TICKET NO: H001407
 GAUGE NO: 700

STH FLOW 101. 5 MINUTE INTERVALS. LAST INTERVAL= 4 MINS.

 TOTAL 509 MINUTES

	TIME		PRESSURE		PSIG	DELTA P
	MINUTES	INCHES DEFL.	INCHES DEFL.			
P0	0	.000	.899		7093	0
P1	5	.003	.780		6157	936
P2	10	.006	.719		5679	1414
P3	15	.009	.697		5507	1586
P4	20	.011	.690		5453	1640
P5	25	.014	.677		5351	1742
P6	30	.017	.667		5273	1820
P7	35	.020	.662		5234	1859
P8	40	.023	.653		5203	1890
P9	45	.026	.653		5164	1929
P10	50	.029	.648		5125	1968
P11	55	.032	.644		5093	2000
P12	60	.034	.640		5062	2031
P13	65	.037	.650		5140	1953
P14	70	.040	.639		5054	2039
P15	75	.043	.644		5093	2000
P16	80	.046	.632		5000	2093
P17	85	.049	.633		5007	2086
P18	90	.051	.633		5007	2086
P19	95	.053	.632		5000	2093
P20	100	.057	.631		4992	2101
P21	105	.060	.629		4976	2117
P22	110	.063	.627		4960	2133
P23	115	.066	.624		4937	2156
P24	120	.069	.623		4929	2164
P25	125	.072	.621		4913	2180
P26	130	.075	.620		4905	2188
P27	135	.077	.620		4905	2188
P28	140	.080	.619		4897	2196
P29	145	.083	.618		4889	2204
P30	150	.086	.616		4874	2219
P31	155	.089	.615		4866	2227
P32	160	.092	.613		4850	2243
P33	165	.095	.610		4826	2267
P34	170	.098	.608		4811	2282
P35	175	.100	.608		4811	2282
P36	180	.103	.607		4803	2290
P37	185	.106	.606		4795	2298
P38	190	.109	.605		4787	2306
P39	195	.112	.604		4779	2314
P40	200	.115	.603		4771	2322
P41	205	.118	.602		4763	2330
P42	210	.121	.601		4755	2338

COMPANY: PHILLIPS PET NORWAY
 TICKET NO: HDD1407
 GAUGE NO: 700

5TH FLOW CONTINUED

	TIME		PRESSURE		DELTA P
	MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG	
P43	215	.123	.601	4755	2338
P44	220	.126	.599	4740	2353
P45	225	.129	.598	4732	2361
P46	230	.132	.597	4724	2369
P47	235	.135	.596	4716	2377
P48	240	.138	.596	4716	2377
P49	245	.141	.595	4708	2385
P50	250	.143	.595	4708	2385
P51	255	.146	.593	4692	2401
P52	260	.149	.592	4685	2408
P53	265	.152	.589	4608	2590
P54	270	.155	.565	4472	2621
P55	275	.158	.563	4456	2637
P56	280	.161	.563	4456	2637
P57	285	.164	.574	4543	2550
P58	290	.166	.565	4472	2621
P59	295	.169	.564	4464	2629
P60	300	.172	.564	4464	2629
P61	305	.175	.564	4464	2629
P62	310	.178	.564	4464	2629
P63	315	.181	.564	4464	2629
P64	320	.184	.564	4464	2629
P65	325	.186	.563	4456	2637
P66	330	.189	.564	4464	2629
P67	335	.192	.564	4464	2629
P68	340	.195	.564	4464	2629
P69	345	.198	.564	4464	2629
P70	350	.201	.564	4464	2629
P71	355	.204	.564	4464	2629
P72	360	.207	.564	4464	2629
P73	365	.209	.563	4456	2637
P74	370	.212	.563	4456	2637
P75	375	.215	.561	4440	2653
P76	380	.218	.561	4440	2653
P77	385	.221	.561	4440	2653
P78	390	.224	.561	4440	2653
P79	395	.227	.561	4440	2653
P80	400	.230	.561	4440	2653
P81	405	.232	.562	4446	2645
P82	410	.235	.562	4446	2645
P83	415	.238	.562	4446	2645
P84	420	.241	.562	4446	2645
P85	425	.244	.562	4446	2645

COMPANY: PHILLIPS PET NORWAY
 TICKET NO: H001407
 GAUGE NO: 700

5TH FLOW CONTINUED

	TIME		PRESSURE		PSIG	DELTA P
	MINUTES	INCHES DEFL.	INCHES DEFL.			
P86	430	.247	.561		4440	2653
P87	435	.250	.561		4440	2653
P88	440	.252	.560		4438	2660
P89	445	.255	.558		4417	2676
P90	450	.258	.560		4438	2660
P91	455	.261	.559		4425	2668
P92	460	.264	.558		4425	2668
P93	465	.267	.558		4417	2676
P94	470	.270	.558		4417	2676
P95	475	.273	.558		4417	2676
P96	480	.275	.558		4417	2676
P97	485	.278	.558		4417	2676
P98	490	.281	.558		4417	2676
P99	495	.284	.558		4417	2676
P100	500	.287	.558		4417	2676
P101	505	.290	.558		4417	2676
P102	509	.292	.558		4417	2676

COMPANY: PHILLIPS PET NORWAY

TICKET NO: H001407

GAUGE NO: 700

5TH CLOSURE 111. 5 MINUTE INTERVALS. LAST INTERVAL= 7 MINS.

 TOTAL 562 MINUTES

	TIME		PRESSURE		DELTA P	T+O/S
	MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG		
P0	0	.000	.558	4417	0	
P1	5	.003	.729	5757	1340	98.8333
P2	10	.006	.745	5882	1465	49.6667
P3	15	.009	.757	5976	1559	33.4444
P4	20	.011	.765	6039	1612	27.5455
P5	25	.014	.773	6102	1685	21.8571
P6	30	.017	.779	6149	1732	18.1765
P7	35	.020	.785	6196	1779	15.6000
P8	40	.023	.791	6244	1827	13.6957
P9	45	.026	.796	6288	1866	12.2308
P10	50	.029	.800	6314	1897	11.0690
P11	55	.032	.803	6338	1921	10.1250
P12	60	.034	.805	6354	1937	9.5882
P13	65	.037	.808	6377	1960	8.8919
P14	70	.040	.811	6401	1984	8.3000
P15	75	.043	.813	6417	2000	7.7907
P16	80	.046	.816	6440	2023	7.3478
P17	85	.049	.819	6464	2047	6.9592
P18	90	.052	.821	6480	2063	6.6154
P19	95	.055	.823	6496	2079	6.3091
P20	100	.057	.824	6503	2086	6.1228
P21	105	.060	.826	6519	2102	5.8667
P22	110	.063	.827	6527	2110	5.6349
P23	115	.066	.829	6543	2126	5.4242
P24	120	.069	.830	6551	2134	5.2319
P25	125	.072	.832	6566	2149	5.0556
P26	130	.075	.833	6574	2157	4.8933
P27	135	.077	.835	6580	2173	4.7922
P28	140	.080	.835	6590	2173	4.6500
P29	145	.083	.837	6606	2189	4.5181
P30	150	.086	.838	6614	2197	4.3953
P31	155	.089	.840	6629	2212	4.2809
P32	160	.092	.841	6637	2220	4.1739
P33	165	.095	.843	6653	2236	4.0737
P34	170	.098	.843	6653	2236	3.9796
P35	175	.100	.844	6661	2244	3.9200
P36	180	.103	.845	6669	2252	3.8350
P37	185	.106	.846	6677	2260	3.7547
P38	190	.109	.847	6685	2266	3.6789
P39	195	.112	.847	6685	2266	3.6071
P40	200	.115	.848	6692	2275	3.5391
P41	205	.118	.849	6700	2283	3.4746
P42	210	.121	.850	6708	2291	3.4132

COMPANY: PHILLIPS PET NORWAY

TICKET NO: H001407

GAUGE NO: 700

SEA CLOSURE CONTINUED

	TIME		PRESSURE		PSIG	DELTA P	T-0/C
	MINUTES	INCHES DEFL.	INCHES DEFL.				
P43	215	.128	.850		6708	2291	3.3740
P44	220	.128	.851		6716	2239	3.3175
P45	225	.129	.852		6724	2307	3.2686
P46	230	.132	.853		6732	2315	3.2121
P47	235	.135	.853		6732	2315	3.1630
P48	240	.138	.854		6740	2323	3.1159
P49	245	.141	.855		6743	2331	3.0709
P50	250	.143	.855		6748	2331	3.0420
P51	255	.146	.856		6753	2338	3.0080
P52	260	.149	.857		6763	2346	2.9897
P53	265	.152	.857		6763	2346	2.9211
P54	270	.155	.857		6763	2346	2.8835
P55	275	.158	.858		6771	2354	2.8431
P56	280	.161	.858		6771	2354	2.8137
P57	285	.164	.859		6779	2362	2.7805
P58	290	.166	.859		6779	2362	2.7590
P59	295	.169	.859		6779	2362	2.7278
P60	300	.172	.860		6787	2370	2.6977
P61	305	.175	.861		6795	2378	2.6686
P62	310	.178	.861		6795	2378	2.6404
P63	315	.181	.862		6803	2386	2.6133
P64	320	.184	.862		6803	2386	2.5870
P65	325	.186	.863		6811	2394	2.5699
P66	330	.189	.863		6811	2394	2.5450
P67	335	.192	.864		6818	2401	2.5208
P68	340	.195	.864		6818	2401	2.4974
P69	345	.198	.865		6826	2409	2.4747
P70	350	.201	.865		6826	2409	2.4527
P71	355	.204	.865		6826	2409	2.4314
P72	360	.207	.865		6826	2409	2.4106
P73	365	.209	.865		6826	2409	2.3971
P74	370	.212	.866		6834	2417	2.3774
P75	375	.215	.866		6834	2417	2.3581
P76	380	.218	.866		6834	2417	2.3394
P77	385	.221	.866		6834	2417	2.3213
P78	390	.224	.867		6842	2425	2.3036
P79	395	.227	.867		6842	2425	2.2866
P80	400	.230	.867		6841	2425	2.2696
P81	405	.232	.868		6850	2433	2.2536
P82	410	.235	.868		6850	2433	2.2326
P83	415	.238	.869		6859	2441	2.2169
P84	420	.241	.869		6859	2441	2.2016
P85	425	.244	.869		6859	2441	2.1867

COMPANY: PHILLIPS PET NORWAY
 TICKET NO: H001407
 GAUGE NO: 700

5TH CLOSURE CONTINUED

	TIME		PRESSURE		PSIG	DELTA P	T+C/D
	MINUTES	INCHES DEFL.	INCHES DEFL.				
P86	430	.247	.870		6866	2449	2.1822
P87	435	.250	.870		6866	2449	2.1680
P88	440	.252	.870		6866	2449	2.1587
P89	445	.255	.870		6866	2449	2.1451
P90	450	.258	.871		6874	2457	2.1318
P91	455	.261	.871		6874	2457	2.1188
P92	460	.264	.871		6874	2457	2.1061
P93	465	.267	.872		6881	2464	2.0936
P94	470	.270	.872		6881	2464	2.0815
P95	475	.273	.872		6881	2464	2.0696
P96	480	.275	.871		6881	2464	2.0618
P97	485	.278	.873		6889	2472	2.0504
P98	490	.281	.873		6889	2472	2.0391
P99	495	.284	.873		6889	2472	2.0282
P100	500	.287	.873		6889	2472	2.0174
P101	505	.290	.873		6889	2472	2.0069
P102	510	.293	.873		6889	2472	1.9966
P103	515	.296	.873		6889	2472	1.9865
P104	520	.298	.874		6897	2480	1.9799
P105	525	.301	.874		6897	2480	1.9701
P106	530	.304	.874		6897	2480	1.9605
P107	535	.307	.874		6897	2480	1.9511
P108	540	.310	.874		6897	2480	1.9419
P109	545	.313	.874		6897	2480	1.9329
P110	550	.316	.875		6905	2488	1.9241
P111	555	.318	.875		6905	2488	1.9182
P112	562	.322	.875		6905	2488	1.9068

COMPANY: PHILLIPS PET NORWAY
 TICKET NO: H001407
 GAUGE NO: 701

1ST FLOW 198. 5 MINUTE INTERVALS, LAST INTERVAL= 6 MINS.
 ----- TOTAL 996 MINUTES

	TIME		PRESSURE		
	MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG	DELTA P
P0	0	.000	.777	5962	0
P1	5	.002	.795	6097	135
P2	10	.005	.742	5696	266
P3	15	.007	.744	5712	250
P4	20	.009	.746	5727	235
P5	25	.012	.746	5727	235
P6	30	.014	.721	5537	425
P7	35	.016	.701	5386	576
P8	40	.019	.734	5636	326
P9	45	.021	.737	5659	303
P10	50	.023	.738	5666	296
P11	55	.026	.744	5712	250
P12	60	.028	.746	5727	235
P13	65	.030	.752	5772	190
P14	70	.032	.752	5772	190
P15	75	.035	.751	5765	197
P16	80	.037	.747	5734	228
P17	85	.039	.745	5719	243
P18	90	.042	.744	5712	250
P19	95	.044	.744	5712	250
P20	100	.046	.737	5659	303
P21	105	.049	.735	5643	319
P22	110	.051	.733	5628	334
P23	115	.053	.729	5598	364
P24	120	.056	.727	5583	379
P25	125	.058	.722	5545	417
P26	130	.060	.733	5628	334
P27	135	.063	.740	5681	281
P28	140	.065	.741	5689	273
P29	145	.067	.744	5712	250
P30	150	.070	.745	5719	243
P31	155	.072	.746	5727	235
P32	160	.074	.746	5727	235
P33	165	.077	.746	5727	235
P34	170	.079	.746	5727	235
P35	175	.081	.746	5727	235
P36	180	.083	.745	5719	243
P37	185	.086	.744	5712	250
P38	190	.088	.744	5712	250
P39	195	.090	.744	5712	250
P40	200	.093	.742	5696	266
P41	205	.095	.742	5696	266
P42	210	.097	.742	5696	266

COMPANY: PHILLIPS PET NORWAY

TICKET NO: H001407

GAUGE NO: 701

1ST FLOW CONTINUED

	TIME		PRESSURE		DELTA P
	MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG	
P43	215	.100	.742	5696	266
P44	220	.102	.742	5696	266
P45	225	.104	.742	5696	266
P46	230	.107	.742	5696	266
P47	235	.109	.742	5696	266
P48	240	.111	.742	5696	266
P49	245	.114	.741	5689	273
P50	250	.116	.738	5666	296
P51	255	.118	.740	5681	281
P52	260	.121	.739	5674	288
P53	265	.123	.737	5659	303
P54	270	.125	.736	5651	311
P55	275	.128	.737	5659	303
P56	280	.130	.737	5659	303
P57	285	.132	.737	5659	303
P58	290	.135	.737	5659	303
P59	295	.137	.737	5659	303
P60	300	.139	.737	5659	303
P61	305	.141	.737	5659	303
P62	310	.144	.737	5659	303
P63	315	.146	.737	5659	303
P64	320	.148	.737	5659	303
P65	325	.151	.737	5659	303
P66	330	.153	.737	5659	303
P67	335	.155	.736	5651	311
P68	340	.158	.736	5651	311
P69	345	.160	.736	5651	311
P70	350	.162	.735	5643	319
P71	355	.165	.736	5651	311
P72	360	.167	.736	5651	311
P73	365	.169	.736	5651	311
P74	370	.172	.736	5651	311
P75	375	.174	.740	5681	281
P76	380	.176	.744	5712	250
P77	385	.179	.747	5734	228
P78	390	.181	.749	5750	212
P79	395	.183	.751	5765	197
P80	400	.186	.753	5780	182
P81	405	.188	.758	5818	144
P82	410	.190	.762	5848	114
P83	415	.192	.765	5871	91
P84	420	.195	.770	5909	53
P85	425	.197	.771	5916	46

COMPANY: PHILLIPS PET NORWAY
 TICKET NO: H001407
 GAUGE NO: 701

1ST FLOW CONTINUED

	TIME		PRESSURE		DELTA P
	MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG	
P86	430	.199	.778	5969	7
P87	435	.202	.779	5977	15
P88	440	.204	.782	6000	38
P89	445	.206	.784	6014	52
P90	450	.209	.785	6022	60
P91	455	.211	.786	6029	67
P92	460	.213	.787	6037	75
P93	465	.216	.788	6044	82
P94	470	.218	.787	6037	75
P95	475	.220	.787	6037	75
P96	480	.223	.787	6037	75
P97	485	.225	.787	6037	75
P98	490	.227	.787	6037	75
P99	495	.230	.786	6029	67
P100	500	.232	.786	6029	67
P101	505	.234	.785	6022	60
P102	510	.237	.785	6022	60
P103	515	.239	.785	6022	60
P104	520	.241	.785	6022	60
P105	525	.244	.785	6022	60
P106	530	.246	.785	6022	60
P107	535	.248	.785	6022	60
P108	540	.250	.785	6022	60
P109	545	.253	.765	5871	91
P110	550	.255	.755	5795	167
P111	555	.257	.749	5750	212
P112	560	.260	.744	5712	250
P113	565	.262	.744	5712	250
P114	570	.264	.744	5712	250
P115	575	.267	.743	5704	258
P116	580	.269	.740	5681	281
P117	585	.271	.742	5696	266
P118	590	.274	.741	5689	273
P119	595	.276	.740	5681	281
P120	600	.278	.740	5681	281
P121	605	.281	.739	5674	288
P122	610	.283	.739	5674	288
P123	615	.285	.738	5666	296
P124	620	.288	.738	5666	296
P125	625	.290	.738	5666	296
P126	630	.292	.737	5659	303
P127	635	.295	.736	5651	311
P128	640	.297	.736	5651	311

COMPANY: PHILLIPS PET NORWAY

TICKET NO: H001407

GAUGE NO: 701

1ST FLOW CONTINUED

	TIME		PRESSURE		DELTA P
	MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG	
P129	645	.299	.736	5651	311
P130	650	.301	.734	5636	326
P131	655	.304	.735	5643	319
P132	660	.306	.734	5636	326
P133	665	.308	.734	5636	326
P134	670	.311	.733	5628	334
P135	675	.313	.718	5515	447
P136	680	.315	.680	5227	735
P137	685	.318	.657	5053	909
P138	690	.320	.634	4878	1084
P139	695	.322	.641	4931	1031
P140	700	.325	.622	4787	1175
P141	705	.327	.618	4757	1205
P142	710	.329	.615	4734	1228
P143	715	.332	.621	4780	1182
P144	720	.334	.633	4871	1091
P145	725	.336	.647	4977	985
P146	730	.339	.662	5090	872
P147	735	.341	.665	5113	849
P148	740	.343	.667	5128	834
P149	745	.346	.670	5151	811
P150	750	.348	.672	5166	796
P151	755	.350	.672	5166	796
P152	760	.353	.673	5174	788
P153	765	.355	.673	5174	788
P154	770	.357	.673	5174	788
P155	775	.359	.673	5174	788
P156	780	.362	.673	5174	788
P157	785	.364	.673	5174	788
P158	790	.366	.673	5174	788
P159	795	.369	.673	5174	788
P160	800	.371	.673	5174	788
P161	805	.373	.673	5174	788
P162	810	.376	.672	5166	796
P163	815	.378	.672	5166	796
P164	820	.380	.672	5166	796
P165	825	.383	.672	5166	796
P166	830	.385	.672	5166	796
P167	835	.387	.672	5166	796
P168	840	.390	.672	5166	796
P169	845	.392	.756	5803	159
P170	850	.394	.763	5856	106
P171	855	.397	.769	5901	61

COMPANY: PHILLIPS PET NORWAY
 TICKET NO: H001407
 GAUGE NO: 701

1ST FLOW CONTINUED

	TIME		PRESSURE		DELTA P
	MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG	
P172	860	.399	.776	5954	8
P173	865	.401	.778	5969	7
P174	870	.404	.791	6067	105
P175	875	.406	.803	6156	194
P176	880	.408	.806	6179	217
P177	885	.410	.808	6194	232
P178	890	.413	.812	6223	261
P179	895	.415	.815	6246	284
P180	900	.417	.816	6253	291
P181	905	.420	.819	6276	314
P182	910	.422	.819	6276	314
P183	915	.424	.821	6291	329
P184	920	.427	.823	6305	343
P185	925	.429	.824	6313	351
P186	930	.431	.825	6320	358
P187	935	.434	.826	6328	366
P188	940	.436	.827	6335	373
P189	945	.438	.827	6335	373
P190	950	.441	.828	6343	381
P191	955	.443	.828	6343	381
P192	960	.445	.828	6343	381
P193	965	.448	.829	6350	388
P194	970	.450	.829	6350	388
P195	975	.452	.830	6358	396
P196	980	.455	.831	6365	403
P197	985	.457	.831	6365	403
P198	990	.459	.831	6365	403
P199	996	.462	.832	6373	411

COMPANY: PHILLIPS PET NORWAY
 TICKET NO: H001407
 GAUGE NO: 701

1ST CLOSURE 455. 5 MINUTE INTERVALS. LAST INTERVAL= 7 MINS.

 TOTAL 2292 MINUTES

	TIME		PRESSURE		DELTA P	T+0/D
	MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG		
P0	0	.000	.832	6873	0	
P1	5	.002	.856	6552	179	231.9500
P2	10	.005	.864	6611	238	93.3800
P3	15	.007	.867	6634	261	66.9857
P4	20	.009	.870	6656	283	52.3222
P5	25	.012	.872	6671	298	39.4917
P6	30	.014	.874	6686	313	33.9929
P7	35	.016	.875	6694	321	29.8687
P8	40	.019	.877	6708	335	25.8105
P9	45	.021	.879	6723	350	22.8952
P10	50	.023	.880	6731	358	21.0826
P11	55	.026	.882	6746	373	18.7654
P12	60	.028	.884	6761	388	17.4964
P13	65	.030	.884	6761	388	16.3967
P14	70	.032	.885	6768	395	15.4344
P15	75	.035	.887	6783	410	14.1971
P16	80	.037	.888	6791	418	13.4838
P17	85	.039	.888	6791	418	12.8436
P18	90	.042	.889	6793	425	11.9976
P19	95	.044	.890	6805	432	11.4977
P20	100	.046	.891	6813	440	11.0413
P21	105	.049	.891	6813	440	10.4265
P22	110	.051	.892	6820	447	10.0569
P23	115	.053	.892	6820	447	9.7151
P24	120	.056	.893	6828	455	9.2482
P25	125	.058	.894	6835	462	8.9638
P26	130	.060	.894	6835	462	8.6983
P27	135	.063	.895	6843	470	8.3317
P28	140	.065	.895	6843	470	8.1062
P29	145	.067	.896	6850	477	7.8940
P30	150	.070	.897	6858	485	7.5986
P31	155	.072	.897	6858	485	7.4153
P32	160	.074	.898	6865	492	7.2419
P33	165	.077	.898	6865	492	6.9987
P34	170	.079	.899	6873	500	6.8466
P35	175	.081	.899	6873	500	6.7025
P36	180	.083	.899	6873	500	6.5651
P37	185	.086	.900	6880	507	6.3709
P38	190	.088	.900	6880	507	6.2489
P39	195	.090	.900	6880	507	6.1322
P40	200	.093	.901	6888	515	5.9667
P41	205	.095	.902	6895	522	5.8621
P42	210	.097	.902	6895	522	5.7619

COMPANY: PHILLIPS PET NORWAY
 TICKET NO: H001407L
 GAUGE NO: 701

TEST CLOSURE CONTINUED

	TIME		PRESSURE		DELTA P	T+0/0
	MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG		
P43	215	.100	.902	6895	522	5.6190
P44	220	.102	.903	6902	529	5.5284
P45	225	.104	.903	6902	529	5.4413
P46	230	.107	.904	6910	537	5.3168
P47	235	.109	.904	6910	537	5.2376
P48	240	.111	.904	6910	537	5.1613
P49	245	.114	.905	6917	544	5.0518
P50	250	.116	.905	6917	544	4.9819
P51	255	.118	.905	6917	544	4.9144
P52	260	.121	.905	6917	544	4.8174
P53	265	.123	.906	6925	552	4.7553
P54	270	.125	.906	6925	552	4.6952
P55	275	.128	.906	6925	552	4.6086
P56	280	.130	.906	6925	552	4.5531
P57	285	.132	.906	6925	552	4.4992
P58	290	.135	.907	6932	559	4.4215
P59	295	.137	.907	6932	559	4.3715
P60	300	.139	.907	6932	559	4.3230
P61	305	.141	.908	6940	567	4.2759
P62	310	.144	.908	6940	567	4.2076
P63	315	.146	.908	6940	567	4.1637
P64	320	.148	.909	6947	574	4.1209
P65	325	.151	.909	6947	574	4.0589
P66	330	.153	.909	6947	574	4.0190
P67	335	.155	.909	6947	574	3.9800
P68	340	.158	.910	6955	582	3.9234
P69	345	.160	.910	6955	582	3.8869
P70	350	.162	.910	6955	582	3.8512
P71	355	.165	.910	6955	582	3.7994
P72	360	.167	.910	6955	582	3.7659
P73	365	.169	.911	6962	589	3.7331
P74	370	.172	.911	6962	589	3.6855
P75	375	.174	.911	6962	589	3.6546
P76	380	.176	.911	6962	589	3.6244
P77	385	.179	.912	6970	597	3.5804
P78	390	.181	.912	6970	597	3.5519
P79	395	.183	.912	6970	597	3.5240
P80	400	.186	.912	6970	597	3.4833
P81	405	.188	.912	6970	597	3.4569
P82	410	.190	.913	6977	604	3.4311
P83	415	.192	.913	6977	604	3.4057
P84	420	.195	.913	6977	604	3.3687
P85	425	.197	.513	6977	604	3.3447

COMPANY: PHILLIPS PET NORWAY
 TICKET NO: H001407
 GAUGE NO: 701

1ST CLOSURE CONTINUED

	TIME		PRESSURE		FSIG	DELTA P	T+0/D
	MINUTES	INCHES DEFL.	INCHES DEFL.				
P86	430	.199	.913		6977	604	3.3211
P87	435	.202	.913		6977	604	3.2866
P88	440	.204	.914		6985	612	3.2642
P89	445	.206	.914		6985	612	3.2422
P90	450	.209	.914		6985	612	3.2100
P91	455	.211	.914		6985	612	3.1891
P92	460	.213	.914		6985	612	3.1685
P93	465	.216	.915		6992	619	3.1384
P94	470	.218	.915		6992	619	3.1188
P95	475	.220	.915		6992	619	3.0995
P96	480	.223	.915		6992	619	3.0718
P97	485	.225	.915		6992	619	3.0529
P98	490	.227	.915		6992	619	3.0348
P99	495	.230	.915		6992	619	3.0083
P100	500	.232	.915		6992	619	2.9909
P101	505	.234	.915		6992	619	2.9739
P102	510	.237	.916		7000	627	2.9489
P103	515	.239	.916		7000	627	2.9326
P104	520	.241	.916		7000	627	2.9166
P105	525	.244	.916		7000	627	2.8930
P106	530	.246	.916		7000	627	2.8776
P107	535	.248	.916		7000	627	2.8625
P108	540	.250	.916		7000	627	2.8476
P109	545	.253	.916		7000	627	2.8257
P110	550	.255	.916		7000	627	2.8114
P111	555	.257	.916		7000	627	2.7973
P112	560	.260	.917		7007	634	2.7765
P113	565	.262	.917		7007	634	2.7630
P114	570	.264	.917		7007	634	2.7496
P115	575	.267	.917		7007	634	2.7300
P116	580	.269	.917		7007	634	2.7171
P117	585	.271	.917		7007	634	2.7044
P118	590	.274	.918		7015	642	2.6858
P119	595	.276	.918		7015	642	2.6736
P120	600	.278	.918		7015	642	2.6615
P121	605	.281	.919		7022	649	2.6438
P122	610	.283	.919		7022	649	2.6322
P123	615	.285	.919		7022	649	2.6207
P124	620	.288	.919		7022	649	2.6038
P125	625	.290	.919		7022	649	2.5928
P126	630	.292	.919		7022	649	2.5818
P127	635	.295	.919		7022	649	2.5658
P128	640	.297	.919		7022	649	2.5552

COMPANY: PHILLIPS PET NORWAY
 TICKET NO: H001407
 GAUGE NO: 701

1ST CLOSURE CONTINUED

	TIME		PRESSURE		DELTA P	T+0/0
	MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG		
P129	645	.299	.920	7030	657	2.5448
P130	650	.301	.920	7030	657	2.5346
P131	655	.304	.920	7030	657	2.5194
P132	660	.306	.920	7030	657	2.5095
P133	665	.308	.920	7030	657	2.4997
P134	670	.311	.920	7030	657	2.4852
P135	675	.313	.920	7030	657	2.4757
P136	680	.315	.920	7030	657	2.4663
P137	685	.318	.920	7030	657	2.4525
P138	690	.320	.920	7030	657	2.4434
P139	695	.322	.920	7030	657	2.4345
P140	700	.325	.921	7037	664	2.4212
P141	705	.327	.921	7037	664	2.4125
P142	710	.329	.921	7037	664	2.4040
P143	715	.332	.921	7037	664	2.3913
P144	720	.334	.921	7037	664	2.3829
P145	725	.336	.921	7037	664	2.3747
P146	730	.339	.921	7037	664	2.3625
P147	735	.341	.921	7037	664	2.3545
P148	740	.343	.921	7037	664	2.3466
P149	745	.346	.921	7037	664	2.3350
P150	750	.348	.922	7045	672	2.3273
P151	755	.350	.922	7045	672	2.3197
P152	760	.353	.922	7045	672	2.3085
P153	765	.355	.922	7045	672	2.3011
P154	770	.357	.922	7045	672	2.2938
P155	775	.359	.922	7045	672	2.2866
P156	780	.362	.922	7045	672	2.2760
P157	785	.364	.922	7045	672	2.2690
P158	790	.366	.922	7045	672	2.2620
P159	795	.369	.922	7045	672	2.2518
P160	800	.371	.922	7045	672	2.2450
P161	805	.373	.922	7045	672	2.2383
P162	810	.376	.923	7052	679	2.2285
P163	815	.378	.923	7052	679	2.2220
P164	820	.380	.923	7052	679	2.2155
P165	825	.383	.923	7052	679	2.2060
P166	830	.385	.923	7052	679	2.1997
P167	835	.387	.923	7052	679	2.1935
P168	840	.390	.923	7052	679	2.1844
P169	845	.392	.923	7052	679	2.1783
P170	850	.394	.923	7052	679	2.1723
P171	855	.397	.923	7052	679	2.1635

COMPANY: PHILLIPS PET NORWAY
 TICKET NO: H001407
 GAUGE NO: 701

1ST CLOSURE CONTINUED

	TIME		PRESSURE		DELTA P	T+0/D
	MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG		
P172	860	.399	.923	7052	679	2.1576
P173	865	.401	.923	7052	679	2.1519
P174	870	.404	.924	7060	687	2.1433
P175	875	.406	.924	7060	687	2.1377
P176	880	.408	.924	7060	687	2.1321
P177	885	.410	.924	7060	687	2.1266
P178	890	.413	.924	7060	687	2.1184
P179	895	.415	.924	7060	687	2.1130
P180	900	.417	.925	7067	694	2.1077
P181	905	.420	.925	7067	694	2.0998
P182	910	.422	.925	7067	694	2.0945
P183	915	.424	.925	7067	694	2.0894
P184	920	.427	.925	7067	694	2.0817
P185	925	.429	.925	7067	694	2.0767
P186	930	.431	.925	7067	694	2.0717
P187	935	.434	.925	7067	694	2.0643
P188	940	.436	.925	7067	694	2.0594
P189	945	.438	.925	7067	694	2.0546
P190	950	.441	.925	7067	694	2.0474
P191	955	.443	.925	7067	694	2.0427
P192	960	.445	.925	7067	694	2.0380
P193	965	.448	.925	7067	694	2.0310
P194	970	.450	.925	7067	694	2.0264
P195	975	.452	.925	7067	694	2.0219
P196	980	.455	.925	7067	694	2.0152
P197	985	.457	.925	7067	694	2.0107
P198	990	.459	.925	7067	694	2.0063
P199	995	.462	.925	7067	694	1.9998
P200	1000	.464	.925	7067	694	1.9955
P201	1005	.466	.925	7067	694	1.9912
P202	1010	.468	.925	7067	694	1.9870
P203	1015	.471	.926	7075	702	1.9807
P204	1020	.473	.926	7075	702	1.9765
P205	1025	.475	.926	7075	702	1.9724
P206	1030	.478	.926	7075	702	1.9663
P207	1035	.480	.926	7075	702	1.9623
P208	1040	.482	.926	7075	702	1.9583
P209	1045	.485	.926	7075	702	1.9524
P210	1050	.487	.926	7075	702	1.9485
P211	1055	.489	.926	7075	702	1.9446
P212	1060	.492	.926	7075	702	1.9388
P213	1065	.494	.926	7075	702	1.9350
P214	1070	.496	.926	7075	702	1.9313

COMPANY: PHILLIPS PET NORWAY
 TICKET NO: H001407
 GAUGE NO: 701

1ST CLOSURE CONTINUED

TIME		PRESSURE		T+0/D		
MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG	DELTA P		
P215	1075	.499	.927	7082	709	1.9257
P216	1080	.501	.927	7082	709	1.9220
P217	1085	.503	.927	7082	709	1.9183
P218	1090	.506	.927	7082	709	1.9128
P219	1095	.508	.927	7082	709	1.9093
P220	1100	.510	.927	7082	709	1.9057
P221	1105	.513	.927	7082	709	1.9004
P222	1110	.515	.927	7082	709	1.8969
P223	1115	.517	.927	7082	709	1.8934
P224	1120	.519	.927	7082	709	1.8900
P225	1125	.522	.927	7082	709	1.8849
P226	1130	.524	.927	7082	709	1.8815
P227	1135	.526	.927	7082	709	1.8781
P228	1140	.529	.927	7082	709	1.8732
P229	1145	.531	.927	7082	709	1.8699
P230	1150	.533	.927	7082	709	1.8666
P231	1155	.536	.927	7082	709	1.8618
P232	1160	.538	.927	7082	709	1.8584
P233	1165	.540	.928	7090	717	1.8554
P234	1170	.543	.928	7090	717	1.8506
P235	1175	.545	.928	7090	717	1.8475
P236	1180	.547	.928	7090	717	1.8444
P237	1185	.550	.928	7090	717	1.8396
P238	1190	.552	.928	7090	717	1.8368
P239	1195	.554	.928	7090	717	1.8329
P240	1200	.557	.928	7090	717	1.8293
P241	1205	.559	.928	7090	717	1.8263
P242	1210	.561	.928	7090	717	1.8234
P243	1215	.564	.928	7090	717	1.8190
P244	1220	.566	.928	7090	717	1.8161
P245	1225	.568	.928	7090	717	1.8132
P246	1230	.571	.928	7090	717	1.8089
P247	1235	.573	.928	7090	717	1.8061
P248	1240	.575	.928	7090	717	1.8033
P249	1245	.577	.928	7090	717	1.8005
P250	1250	.580	.928	7090	717	1.7964
P251	1255	.582	.928	7090	717	1.7936
P252	1260	.584	.928	7090	717	1.7909
P253	1265	.587	.928	7090	717	1.7869
P254	1270	.589	.928	7090	717	1.7842
P255	1275	.591	.928	7090	717	1.7816
P256	1280	.594	.928	7090	717	1.7776
P257	1285	.596	.928	7090	717	1.7750

COMPANY: PHILLIPS PET NORWAY
 TICKET NO: H001407
 GAUGE NO: 701

1ST CLOSURE CONTINUED

	TIME		PRESSURE		DELTA P	T+0/0
	MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG		
P258	1290	.598	.928	7090	717	1.7724
P259	1295	.601	.928	7090	717	1.7686
P260	1300	.603	.928	7090	717	1.7660
P261	1305	.605	.928	7090	717	1.7635
P262	1310	.608	.928	7090	717	1.7597
P263	1315	.610	.928	7090	717	1.7572
P264	1320	.612	.928	7090	717	1.7547
P265	1325	.615	.928	7090	717	1.7511
P266	1330	.617	.928	7090	717	1.7486
P267	1335	.619	.928	7090	717	1.7462
P268	1340	.622	.928	7090	717	1.7420
P269	1345	.624	.928	7090	717	1.7402
P270	1350	.626	.928	7090	717	1.7379
P271	1355	.628	.928	7090	717	1.7355
P272	1360	.631	.928	7090	717	1.7320
P273	1365	.633	.929	7097	724	1.7297
P274	1370	.635	.929	7097	724	1.7274
P275	1375	.638	.929	7097	724	1.7240
P276	1380	.640	.929	7097	724	1.7217
P277	1385	.642	.929	7097	724	1.7195
P278	1390	.645	.929	7097	724	1.7161
P279	1395	.647	.929	7097	724	1.7139
P280	1400	.649	.929	7097	724	1.7117
P281	1405	.652	.929	7097	724	1.7084
P282	1410	.654	.929	7097	724	1.7063
P283	1415	.656	.929	7097	724	1.7041
P284	1420	.659	.929	7097	724	1.7009
P285	1425	.661	.929	7097	724	1.6988
P286	1430	.663	.929	7097	724	1.6967
P287	1435	.666	.929	7097	724	1.6935
P288	1440	.668	.930	7105	732	1.6915
P289	1445	.670	.930	7105	732	1.6894
P290	1450	.673	.930	7105	732	1.6863
P291	1455	.675	.930	7105	732	1.6843
P292	1460	.677	.930	7105	732	1.6823
P293	1465	.680	.930	7105	732	1.6793
P294	1470	.682	.930	7105	732	1.6773
P295	1475	.684	.930	7105	732	1.6753
P296	1480	.686	.930	7105	732	1.6733
P297	1485	.689	.930	7105	732	1.6704
P298	1490	.691	.930	7105	732	1.6685
P299	1495	.693	.930	7105	732	1.6665
P300	1500	.696	.930	7105	732	1.6636

COMPANY: PHILLIPS PET NORWAY
 TICKET NO: H001407
 GAUGE NO: 701

1ST CLOSURE CONTINUED

	TIME		PRESSURE		DELTA P	T+0/0
	MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG		
P301	1505	.698	.930	7105	732	1.6617
P302	1510	.700	.930	7105	732	1.6599
P303	1515	.703	.930	7105	732	1.6570
P304	1520	.705	.930	7105	732	1.6552
P305	1525	.707	.930	7105	732	1.6533
P306	1530	.710	.930	7105	732	1.6506
P307	1535	.712	.930	7105	732	1.6487
P308	1540	.714	.930	7105	732	1.6469
P309	1545	.717	.930	7105	732	1.6442
P310	1550	.719	.930	7105	732	1.6424
P311	1555	.721	.930	7105	732	1.6406
P312	1560	.724	.930	7105	732	1.6380
P313	1565	.726	.930	7105	732	1.6362
P314	1570	.728	.930	7105	732	1.6345
P315	1575	.731	.930	7105	732	1.6319
P316	1580	.733	.930	7105	732	1.6302
P317	1585	.735	.930	7105	732	1.6284
P318	1590	.737	.930	7105	732	1.6267
P319	1595	.740	.930	7105	732	1.6242
P320	1600	.742	.930	7105	732	1.6225
P321	1605	.744	.930	7105	732	1.6208
P322	1610	.747	.930	7105	732	1.6183
P323	1615	.749	.931	7112	739	1.6167
P324	1620	.751	.931	7112	739	1.6150
P325	1625	.754	.931	7112	739	1.6126
P326	1630	.756	.931	7112	739	1.6110
P327	1635	.758	.931	7112	739	1.6094
P328	1640	.761	.931	7112	739	1.6070
P329	1645	.763	.931	7112	739	1.6054
P330	1650	.765	.931	7112	739	1.6038
P331	1655	.766	.931	7112	739	1.6014
P332	1660	.770	.931	7112	739	1.5999
P333	1665	.772	.931	7112	739	1.5983
P334	1670	.775	.931	7112	739	1.5968
P335	1675	.777	.931	7112	739	1.5945
P336	1680	.779	.931	7112	739	1.5929
P337	1685	.782	.931	7112	739	1.5907
P338	1690	.784	.931	7112	739	1.5892
P339	1695	.786	.931	7112	739	1.5877
P340	1700	.789	.931	7112	739	1.5854
P341	1705	.791	.931	7112	739	1.5839
P342	1710	.793	.932	7120	747	1.5825
P343	1715	.795	.932	7120	747	1.5810

COMPANY: PHILLIPS PET NORWAY

TICKET NO: H001407

GAUGE NO: 701

1ST CLOSURE CONTINUED

TIME		PRESSURE		T+0/D		
MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG	DELTA P		
P344	1720	.798	.932	7120	747	1.5788
P345	1725	.800	.932	7120	747	1.5774
P346	1730	.802	.932	7120	747	1.5759
P347	1735	.805	.932	7120	747	1.5738
P348	1740	.807	.934	7135	762	1.5724
P349	1745	.809	.934	7135	762	1.5710
P350	1750	.812	.934	7135	762	1.5688
P351	1755	.814	.934	7135	762	1.5674
P352	1760	.816	.934	7135	762	1.5661
P353	1765	.819	.934	7135	762	1.5640
P354	1770	.821	.934	7135	762	1.5626
P355	1775	.823	.934	7135	762	1.5612
P356	1780	.826	.925	7067	694	1.5592
P357	1785	.828	.902	6895	522	1.5579
P358	1790	.830	.919	7022	649	1.5565
P359	1795	.833	.927	7082	709	1.5545
P360	1800	.835	.928	7090	717	1.5532
P361	1805	.837	.929	7097	724	1.5519
P362	1810	.840	.929	7097	724	1.5499
P363	1815	.842	.930	7105	732	1.5486
P364	1820	.844	.930	7105	732	1.5473
P365	1825	.846	.930	7105	732	1.5460
P366	1830	.849	.930	7105	732	1.5441
P367	1835	.851	.931	7112	739	1.5428
P368	1840	.853	.931	7112	739	1.5415
P369	1845	.856	.931	7112	739	1.5396
P370	1850	.858	.931	7112	739	1.5383
P371	1855	.860	.932	7120	747	1.5371
P372	1860	.863	.933	7127	754	1.5352
P373	1865	.865	.933	7127	754	1.5340
P374	1870	.867	.933	7127	754	1.5328
P375	1875	.870	.933	7127	754	1.5309
P376	1880	.872	.933	7127	754	1.5297
P377	1885	.874	.933	7127	754	1.5285
P378	1890	.877	.933	7127	754	1.5267
P379	1895	.879	.933	7127	754	1.5255
P380	1900	.881	.933	7127	754	1.5243
P381	1905	.884	.933	7127	754	1.5225
P382	1910	.886	.933	7127	754	1.5213
P383	1915	.888	.933	7127	754	1.5202
P384	1920	.891	.933	7127	754	1.5184
P385	1925	.893	.933	7127	754	1.5172
P386	1930	.896	.933	7127	754	1.5161

COMPANY: PHILLIPS PET NORWAY
 TICKET NO: H001407
 GAUGE NO: 701

1ST CLOSURE CONTINUED

	TIME		PRESSURE		DELTA F	T+C/D
	MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG		
P387	1935	.898	.936	7150	777	1.5144
P388	1940	.900	.936	7150	777	1.5132
P389	1945	.902	.936	7150	777	1.5121
P390	1950	.904	.936	7150	777	1.5110
P391	1955	.907	.936	7150	777	1.5093
P392	1960	.909	.936	7150	777	1.5081
P393	1965	.911	.936	7150	777	1.5070
P394	1970	.914	.936	7150	777	1.5054
P395	1975	.916	.936	7150	777	1.5043
P396	1980	.918	.936	7150	777	1.5032
P397	1985	.921	.936	7150	777	1.5015
P398	1990	.923	.936	7150	777	1.5004
P399	1995	.925	.936	7150	777	1.4994
P400	2000	.928	.936	7150	777	1.4977
P401	2005	.930	.936	7150	777	1.4967
P402	2010	.932	.936	7150	777	1.4956
P403	2015	.935	.936	7150	777	1.4940
P404	2020	.937	.936	7150	777	1.4930
P405	2025	.939	.936	7150	777	1.4919
P406	2030	.942	.936	7150	777	1.4903
P407	2035	.944	.936	7150	777	1.4893
P408	2040	.946	.936	7150	777	1.4883
P409	2045	.949	.936	7150	777	1.4867
P410	2050	.951	.936	7150	777	1.4857
P411	2055	.953	.936	7150	777	1.4847
P412	2060	.955	.936	7150	777	1.4837
P413	2065	.958	.936	7150	777	1.4822
P414	2070	.960	.936	7150	777	1.4811
P415	2075	.962	.936	7150	777	1.4801
P416	2080	.965	.936	7150	777	1.4787
P417	2085	.967	.936	7150	777	1.4777
P418	2090	.969	.936	7150	777	1.4767
P419	2095	.972	.936	7150	777	1.4752
P420	2100	.974	.936	7150	777	1.4742
P421	2105	.976	.936	7150	777	1.4733
P422	2110	.979	.936	7150	777	1.4718
P423	2115	.981	.936	7150	777	1.4708
P424	2120	.983	.936	7150	777	1.4699
P425	2125	.986	.936	7150	777	1.4685
P426	2130	.988	.936	7150	777	1.4675
P427	2135	.990	.936	7150	777	1.4666
P428	2140	.993	.936	7150	777	1.4652
P429	2145	.995	.936	7150	777	1.4642

COMPANY: PHILLIPS PET NORWAY
 TICKET NO: H001407
 GAUGE NO: 701

1ST CLOSURE CONTINUED

TIME		PRESSURE		FSIG	DELTA P	T+0/D
MINUTES	INCHES DEFL.	INCHES DEFL.				
P430	2150	.997	.936	7150	777	1.4638
P431	2155	1.000	.936	7150	777	1.4619
P432	2160	1.002	.936	7150	777	1.4610
P433	2165	1.004	.936	7150	777	1.4601
P434	2170	1.007	.936	7150	777	1.4587
P435	2175	1.009	.936	7150	777	1.4578
P436	2180	1.011	.936	7150	777	1.4569
P437	2185	1.013	.936	7150	777	1.4560
P438	2190	1.016	.936	7150	777	1.4546
P439	2195	1.018	.936	7150	777	1.4537
P440	2200	1.020	.936	7150	777	1.4528
P441	2205	1.023	.936	7150	777	1.4515
P442	2210	1.025	.936	7150	777	1.4506
P443	2215	1.027	.936	7150	777	1.4498
P444	2220	1.030	.936	7150	777	1.4484
P445	2225	1.032	.936	7150	777	1.4476
P446	2230	1.034	.936	7150	777	1.4467
P447	2235	1.037	.936	7150	777	1.4454
P448	2240	1.039	.936	7150	777	1.4446
P449	2245	1.041	.936	7150	777	1.4437
P450	2250	1.044	.936	7150	777	1.4424
P451	2255	1.046	.936	7150	777	1.4416
P452	2260	1.048	.936	7150	777	1.4407
P453	2265	1.051	.936	7150	777	1.4395
P454	2270	1.053	.936	7150	777	1.4387
P455	2275	1.055	.936	7150	777	1.4378
P456	2282	1.058	.936	7150	777	1.4366

COMPANY: PHILLIPS PET NORWAY
 TICKET NO: H001407
 GAUGE NO: 701

ZND FLOW 13. 5 MINUTE INTERVALS. LAST INTERVAL= 6 MINS.
 ----- TOTAL 71 MINUTES

	TIME		PRESSURE		
	MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG	DELTA P
P0	0	.000	.936	7150	0
P1	5	.002	.903	6902	248
P2	10	.005	.864	6611	539
P3	15	.007	.826	6328	822
P4	20	.009	.826	6328	822
P5	25	.012	.826	6328	822
P6	30	.014	.820	6283	867
P7	35	.016	.815	6246	904
P8	40	.019	.811	6216	934
P9	45	.021	.808	6194	956
P10	50	.023	.804	6164	986
P11	55	.026	.801	6141	1009
P12	60	.028	.800	6134	1016
P13	65	.030	.798	6119	1031
P14	71	.033	.796	6104	1046

COMPANY: PHILLIPS PET NORWAY
 TICKET NO: H001407
 GAUGE NO: 701

2ND CLOSURE 75. 5 MINUTE INTERVALS. LAST INTERVAL= 6 MINS.

 TOTAL 381 MINUTES

	TIME		PRESSURE		T+0/G
	MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG	
P0	0	.000	.796	6104	0
P1	5	.002	.876	6701	597
P2	10	.005	.893	6828	724
P3	15	.007	.899	6873	769
P4	20	.009	.902	6895	791
P5	25	.012	.906	6925	821
P6	30	.014	.909	6947	843
P7	35	.016	.911	6962	858
P8	40	.019	.913	6977	873
P9	45	.021	.914	6985	881
P10	50	.023	.915	6992	888
P11	55	.026	.917	7007	903
P12	60	.028	.918	7015	911
P13	65	.030	.919	7022	918
P14	70	.032	.920	7030	926
P15	75	.035	.920	7030	926
P16	80	.037	.921	7037	933
P17	85	.039	.921	7037	933
P18	90	.042	.922	7045	941
P19	95	.044	.923	7052	948
P20	100	.046	.923	7052	948
P21	105	.049	.923	7052	948
P22	110	.051	.924	7060	956
P23	115	.053	.925	7067	963
P24	120	.056	.925	7067	963
P25	125	.058	.925	7067	963
P26	130	.060	.926	7075	971
P27	135	.063	.926	7075	971
P28	140	.065	.926	7075	971
P29	145	.067	.926	7075	971
P30	150	.070	.926	7075	971
P31	155	.072	.927	7082	978
P32	160	.074	.927	7082	978
P33	165	.077	.927	7082	978
P34	170	.079	.927	7082	978
P35	175	.081	.927	7082	978
P36	180	.083	.927	7082	978
P37	185	.086	.927	7082	978
P38	190	.088	.927	7082	978
P39	195	.090	.928	7090	986
P40	200	.093	.932	7120	1016
P41	205	.095	.932	7120	1016
P42	210	.097	.932	7120	1016

COMPANY: PHILLIPS PET NORWAY
 TICKET NO: H001407
 GAUGE NO: 701

2ND CLOSURE CONTINUED

	TIME		PRESSURE		DELTA P	T+0/D
	MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG		
P43	215	.100	.932	7120	1016	1.3292
P44	220	.102	.932	7120	1016	1.3227
P45	225	.104	.932	7120	1016	1.3165
P46	230	.107	.932	7120	1016	1.3077
P47	235	.109	.932	7120	1016	1.3020
P48	240	.111	.932	7120	1016	1.2966
P49	245	.114	.932	7120	1016	1.2888
P50	250	.116	.932	7120	1016	1.2838
P51	255	.118	.932	7120	1016	1.2790
P52	260	.121	.932	7120	1016	1.2721
P53	265	.123	.932	7120	1016	1.2676
P54	270	.125	.932	7120	1016	1.2634
P55	275	.128	.932	7120	1016	1.2572
P56	280	.130	.932	7120	1016	1.2532
P57	285	.132	.932	7120	1016	1.2494
P58	290	.135	.932	7120	1016	1.2439
P59	295	.137	.932	7120	1016	1.2403
P60	300	.139	.932	7120	1016	1.2368
P61	305	.141	.932	7120	1016	1.2335
P62	310	.144	.932	7120	1016	1.2286
P63	315	.146	.932	7120	1016	1.2255
P64	320	.148	.932	7120	1016	1.2224
P65	325	.151	.932	7120	1016	1.2180
P66	330	.153	.932	7120	1016	1.2152
P67	335	.155	.932	7120	1016	1.2124
P68	340	.158	.932	7120	1016	1.2084
P69	345	.160	.932	7120	1016	1.2058
P70	350	.162	.932	7120	1016	1.2032
P71	355	.165	.932	7120	1016	1.1995
P72	360	.167	.932	7120	1016	1.1971
P73	365	.169	.932	7120	1016	1.1948
P74	370	.172	.932	7120	1016	1.1914
P75	375	.174	.933	7127	1023	1.1892
P76	381	.177	.933	7127	1023	1.1860

COMPANY: PHILLIPS PET NORWAY
 TICKET NO: HQD1407
 GAUGE NO: 701

3RD FLOW 103. 5 MINUTE INTERVALS, LAST INTERVAL= 4 MINS.

 TOTAL 519 MINUTES

	TIME		PRESSURE		DELTA P
	MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG	
P0	0	.000	.983	7127	0
P1	5	.002	.917	7007	120
P2	10	.005	.910	6955	172
P3	15	.007	.906	6925	202
P4	20	.009	.904	6910	217
P5	25	.012	.903	6902	225
P6	30	.014	.902	6895	232
P7	35	.016	.901	6888	239
P8	40	.019	.896	6865	322
P9	45	.021	.889	6798	329
P10	50	.023	.887	6783	344
P11	55	.026	.884	6761	366
P12	60	.028	.883	6753	374
P13	65	.030	.883	6753	374
P14	70	.032	.882	6746	381
P15	75	.035	.882	6746	381
P16	80	.037	.880	6731	396
P17	85	.039	.875	6723	404
P18	90	.042	.879	6723	404
P19	95	.044	.873	6716	411
P20	100	.046	.877	6708	419
P21	105	.049	.877	6708	419
P22	110	.051	.877	6708	419
P23	115	.053	.876	6701	426
P24	120	.056	.876	6701	426
P25	125	.058	.876	6701	426
P26	130	.060	.874	6686	441
P27	135	.063	.874	6686	441
P28	140	.065	.874	6686	441
P29	145	.067	.874	6686	441
P30	150	.070	.873	6679	448
P31	155	.072	.873	6679	448
P32	160	.074	.872	6671	456
P33	165	.077	.871	6664	463
P34	170	.079	.871	6664	463
P35	175	.081	.871	6664	463
P36	180	.083	.872	6671	456
P37	185	.086	.870	6656	471
P38	190	.088	.870	6656	471
P39	195	.090	.870	6656	471
P40	200	.093	.870	6656	471
P41	205	.095	.870	6656	471
P42	210	.097	.870	6656	471

COMPANY: PHILLIPS PET NORWAY
 TICKET NO: H001407
 GAUGE NO: 701

3RD FLOW CONTINUED

	TIME		PRESSURE		DELTA P
	MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG	
P40	215	.100	.869	6649	478
P44	220	.102	.869	6649	478
P45	225	.104	.868	6641	486
P46	230	.107	.868	6641	486
P47	235	.109	.868	6641	486
P48	240	.111	.867	6634	493
P49	245	.114	.867	6634	493
P50	250	.116	.867	6634	493
P51	255	.118	.867	6634	493
P52	260	.121	.867	6634	493
P53	265	.123	.867	6634	493
P54	270	.125	.866	6626	501
P55	275	.128	.866	6626	501
P56	280	.130	.866	6626	501
P57	285	.132	.866	6626	501
P58	290	.135	.866	6626	501
P59	295	.137	.865	6619	508
P60	300	.139	.865	6619	508
P61	305	.141	.865	6619	508
P62	310	.144	.865	6619	508
P63	315	.146	.865	6619	508
P64	320	.148	.865	6619	508
P65	325	.151	.865	6619	508
P66	330	.153	.865	6619	508
P67	335	.155	.865	6619	508
P68	340	.158	.865	6619	508
P69	345	.160	.865	6619	508
P70	350	.162	.865	6619	508
P71	355	.165	.865	6619	508
P72	360	.167	.865	6619	508
P73	365	.169	.865	6619	508
P74	370	.172	.865	6619	508
P75	375	.174	.864	6611	516
P76	380	.176	.864	6611	516
P77	385	.179	.864	6611	516
P78	390	.181	.863	6604	523
P79	395	.183	.863	6604	523
P80	400	.186	.863	6604	523
P81	405	.188	.863	6604	523
P82	410	.190	.863	6604	523
P83	415	.192	.863	6604	523
P84	420	.195	.863	6604	523
P85	425	.197	.863	6604	523

COMPANY: PHILLIPS PET NORWAY
 TICKET NO: HDD1407
 GAUGE NO: 701

3RD FLOW CONTINUED

	TIME		PRESSURE		DELTA P
	MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG	
P86	430	.199	.863	6604	523
P87	435	.202	.863	6604	523
P88	440	.204	.863	6604	523
P89	445	.206	.863	6604	523
P90	450	.209	.863	6604	523
P91	455	.211	.863	6604	523
P92	460	.213	.863	6604	523
P93	465	.216	.863	6604	523
P94	470	.218	.862	6597	530
P95	475	.220	.862	6597	530
P96	480	.223	.862	6597	530
P97	485	.225	.862	6597	530
P98	490	.227	.862	6597	530
P99	495	.230	.862	6597	530
P100	500	.232	.861	6589	538
P101	505	.234	.861	6589	538
P102	510	.237	.861	6589	538
P103	515	.239	.861	6589	538
P104	519	.241	.861	6589	538

COMPANY: PHILLIPS PET NORWAY
 TICKET NO: H001407
 GAUGE NO: 701

3RD CLOSURE 32. 5 MINUTE INTERVALS. LAST INTERVAL= 6 MINS.

 TOTAL 166 MINUTES

	TIME		PRESSURE		DELTA P	T+0/D
	MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG		
P0	0	.000	.861	6889	0	
P1	5	.002	.885	6768	179	121.3500
P2	10	.005	.891	6813	224	49.1400
P3	15	.007	.893	6828	239	35.3857
P4	20	.009	.896	6850	261	27.7444
P5	25	.012	.898	6865	276	21.0583
P6	30	.014	.900	6880	291	18.1929
P7	35	.016	.902	6895	306	16.0438
P8	40	.019	.904	6910	321	13.6684
P9	45	.021	.905	6917	328	12.4619
P10	50	.023	.906	6925	336	11.4652
P11	55	.026	.906	6925	336	10.2577
P12	60	.028	.907	6932	343	9.5964
P13	65	.030	.908	6940	351	9.0233
P14	70	.032	.909	6947	358	8.5219
P15	75	.035	.910	6955	366	7.8771
P16	80	.037	.910	6955	366	7.5054
P17	85	.039	.910	6955	366	7.1718
P18	90	.042	.908	6940	351	6.7919
P19	95	.044	.909	6947	358	6.4705
P20	100	.046	.911	6962	373	6.2326
P21	105	.049	.911	6962	373	5.9122
P22	110	.051	.912	6970	381	5.7196
P23	115	.053	.912	6970	381	5.5415
P24	120	.056	.912	6970	381	5.2982
P25	125	.058	.912	6970	381	5.1500
P26	130	.060	.914	6985	396	5.0117
P27	135	.063	.914	6985	396	4.8206
P28	140	.065	.914	6985	396	4.7031
P29	145	.067	.915	6992	403	4.5925
P30	150	.070	.915	6992	403	4.4896
P31	155	.072	.915	6992	403	4.3431
P32	160	.074	.916	7000	411	4.2527
P33	166	.077	.916	7000	411	4.1260

COMPANY: PHILLIPS PET NORWAY

TICKET NO: H001407

GAUGE NO: 701

4TH FLOW 68. 5 MINUTE INTERVALS, LAST INTERVAL= 5 MINS.
 ----- TOTAL 320 MINUTES

	TIME		PRESSURE		
	MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG	DELTA P
P0	0	.000	.916	7000	0
P1	5	.002	.891	6813	187
P2	10	.005	.881	6738	262
P3	15	.007	.881	6738	262
P4	20	.009	.881	6738	262
P5	25	.012	.881	6738	262
P6	30	.014	.880	6731	269
P7	35	.016	.879	6723	277
P8	40	.019	.877	6708	292
P9	45	.021	.876	6701	299
P10	50	.023	.873	6679	321
P11	55	.026	.871	6664	336
P12	60	.028	.870	6656	344
P13	65	.030	.869	6649	351
P14	70	.032	.869	6649	351
P15	75	.035	.869	6649	351
P16	80	.037	.869	6649	351
P17	85	.039	.869	6649	351
P18	90	.042	.868	6641	359
P19	95	.044	.867	6634	366
P20	100	.046	.867	6634	366
P21	105	.049	.866	6626	374
P22	110	.051	.866	6626	374
P23	115	.053	.865	6619	381
P24	120	.056	.865	6619	381
P25	125	.058	.865	6619	381
P26	130	.060	.865	6619	381
P27	135	.063	.863	6604	396
P28	140	.065	.863	6604	396
P29	145	.067	.863	6604	396
P30	150	.070	.863	6604	396
P31	155	.072	.863	6604	396
P32	160	.074	.863	6604	396
P33	165	.077	.863	6604	396
P34	170	.079	.862	6597	403
P35	175	.081	.862	6597	403
P36	180	.083	.862	6597	403
P37	185	.086	.862	6597	403
P38	190	.088	.862	6597	403
P39	195	.090	.860	6582	418
P40	200	.093	.860	6582	418
P41	205	.095	.860	6582	418
P42	210	.097	.860	6582	418

COMPANY: PHILLIPS PET NORWAY
 TICKET NO: H001407
 GAUGE NO: 701

4TH FLOW CONTINUED

	TIME		PRESSURE		PSIG	DELTA P
	MINUTES	INCHES DEFL.	INCHES DEFL.			
P43	215	.100	.860		6582	418
P44	220	.102	.860		6582	418
P45	225	.104	.859		6574	426
P46	230	.107	.859		6574	426
P47	235	.109	.859		6574	426
P48	240	.111	.859		6574	426
P49	245	.114	.859		6574	426
P50	250	.116	.859		6574	426
P51	255	.118	.859		6574	426
P52	260	.121	.859		6574	426
P53	265	.123	.859		6574	426
P54	270	.125	.859		6574	426
P55	275	.128	.858		6567	433
P56	280	.130	.858		6567	433
P57	285	.132	.858		6567	433
P58	290	.135	.858		6567	433
P59	295	.137	.858		6567	433
P60	300	.139	.858		6567	433
P61	305	.141	.858		6567	433
P62	310	.144	.858		6567	433
P63	315	.146	.858		6567	433
P64	320	.148	.858		6567	433

COMPANY: PHILLIPS PET NORWAY
 TICKET NO: H001407
 GAUGE NO: 701

Plot 4th build up
 tp = 5.267 hrs.

4TH CLOSURE 203. 5 MINUTE INTERVALS. 1

 TOTAL 1021 MINUTES

Mark plotted med
~~Amrad~~ "pressure rate
 from Amerade gauge"

	TIME		PRESSURE		PSIG		
	MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG			
P0	0	0.000	.000	.858	656		
P1	5	0.083	.002	.879	672		
P2	10	0.167	.005	.887	678		
P3	15	0.250	.007	.890	6805	✓	238 22.2000
P4	20	0.333	.009	.892	6820	✓	253 17.4889
P5	25	0.417	.012	.894	6835	✓	268 13.3667
P6	30	0.500	.014	.896	6850	✓	283 11.6000
P7	35	0.583	.016	.898	6865	✓	298 10.2750
P8	40	0.667	.019	.899	6875	✓	306 8.6105
P9	45	0.750	.021	.901	6889	✓	321 6.8667
P10	50	0.833	.023	.902	6895	✓	328 7.4522
P11	55	0.917	.026	.903	6902	✓	335 6.7077
P12	60	1.000	.028	.904	6910	✓	343 6.3000
P13	65		.030	.904	6910		343 5.9467
P14	✓ 70	1.167	.032	.905	6917	✓	350 5.6375
P15	75		.035	.905	6917		350 5.2400
P16	✓ 80	1.333	.037	.906	6925	✓	358 5.0108
P17	85		.039	.907	6932		365 4.8051
P18	✓ 90	1.500	.042	.907	6932	✓	365 4.5533
P19	95		.044	.908	6940		373 4.3727
P20	100		.046	.908	6940		373 4.2261
P21	✓ 105	1.750	.049	.909	6947	✓	380 4.0296
P22	110		.051	.909	6947		380 3.9098
P23	115		.053	.910	6955		388 3.8000
P24	120		.056	.910	6955		388 3.6500
P25	✓ 125	2.083	.058	.910	6955	✓	388 3.5586
P26	130		.060	.911	6962		395 3.4733
P27	135		.063	.912	6970		403 3.3556
P28	140		.065	.912	6970		403 3.2831
P29	✓ 145	2.417	.067	.912	6970	✓	403 3.2149
P30	150		.070	.912	6970		403 3.1200
P31	155		.072	.913	6977		410 3.0611
P32	160		.074	.913	6977		410 3.0054
P33	165		.077	.914	6985		418 2.9273
P34	170		.079	.914	6985		418 2.8785
P35	✓ 175	2.917	.081	.914	6985	✓ ← 50	418 2.8321
P36	180		.083	.915	6992		425 2.7880
P37	185		.086	.915	6992		425 2.7256
P38	190		.088	.915	6992		425 2.6864
P39	✓ 195	3.250	.090	.915	6992	✓	425 2.6489
P40	200		.093	.916	7000		433 2.5957
P41	205		.095	.916	7000		433 2.5621
P42	210		.097	.916	7000		433 2.5299

COMPANY: PHILLIPS PET NORWAY
 TICKET NO: H001407
 GAUGE NO: 701

4TH CLOSURE CONTINUED

	TIME		PRESSURE		T+O/D	
	MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG	DELTA P	
P43	215	.100	.916	7000	433	2.4840
P44	220	.102	.916	7000	433	2.4549
P45	✓ 225 3.750	.104	.916	7000 ✓	433	2.4269
P46	230	.107	.917	7007	440	2.3869
P47	235	.109	.917	7007	440	2.3615
P48	240	.111	.917	7007	440	2.3369
P49	245	.114	.917	7007	440	2.3018
P50	250	.116	.918	7015	448	2.2793
P51	✓ 255 4.250	.118	.918	7015 ✓	448	2.2576
P52	260	.121	.918	7015	448	2.2264
P53	265	.123	.918	7015	448	2.2065
P54	270	.125	.918	7015	448	2.1872
P55	275	.128	.918	7015	448	2.1594
P56	280	.130	.919	7022	455	2.1415
P57	285	.132	.919	7022	455	2.1242
P58	290	.135	.919	7022	455	2.0993
P59	✓ 295 4.917	.137	.919	7022 ✓	455	2.0832
P60	300	.139	.919	7022	455	2.0676
P61	305	.141	.919	7022	455	2.0525
P62	310	.144	.919	7022	455	2.0306
P63	315	.146	.920	7030	463	2.0164
P64	320	.148	.920	7030	463	2.0027
P65	325	.151	.920	7030	463	1.9828
P66	330	.153	.920	7030	463	1.9699
P67	✓ 335 5.583	.155	.920	7030 ✓	463	1.9574
P68	340	.158	.920	7030	463	1.9392
P69	345	.160	.920	7030	463	1.9275
P70	350	.162	.920	7030	463	1.9160
P71	355	.165	.920	7030	463	1.8994
P72	360	.167	.921	7037	470	1.8886
P73	365	.169	.921	7037	470	1.8781
P74	370	.172	.921	7037	470	1.8628
P75	375	.174	.921	7037	470	1.8529
P76	✓ 380 6.333	.176	.921	7037 ✓	470	1.8432
P77	385	.179	.921	7037	470	1.8291
P78	390	.181	.922	7045	478	1.8199
P79	395	.183	.922	7045	478	1.8109
P80	400	.186	.922	7045	478	1.7978
P81	405	.188	.922	7045	478	1.7894
P82	410	.190	.922	7045	478	1.7811
P83	415	.192	.922	7045	478	1.7729
P84	✓ 420 7.000	.195	.922	7045 ✓	478	1.7610
P85	425	.197	.922	7045	478	1.7533

COMPANY: PHILLIPS PET NORWAY
 TICKET NO: H001407
 GAUGE NO: 701

4TH CLOSURE CONTINUED

	TIME		PRESSURE		DELTA P	T+C/O
	MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG		
P86	430	.199	.922	7045	478	1.7457
P87	435	.202	.923	7052	485	1.7347
P88	440	.204	.923	7052	485	1.7275
P89	445	.206	.923	7052	485	1.7204
P90	450	.209	.923	7052	485	1.7100
P91	455	.211	.923	7052	485	1.7033
P92	460	.213	.923	7052	485	1.6967
P93	✓465	7.750 .216	.923	7052✓	485	1.6870
P94	470	.218	.923	7052	485	1.6807
P95	475	.220	.923	7052	485	1.6745
P96	480	.223	.924	7060	493	1.6655
P97	485	.225	.924	7060	493	1.6596
P98	490	.227	.924	7060	493	1.6537
P99	495	.230	.924	7060	493	1.6452
P100	500	.232	.924	7060	493	1.6397
P101	505	.234	.924	7060	493	1.6342
P102	✓510	8.500 .237	.924	7060✓	493	1.6262
P103	515	.239	.924	7060	493	1.6209
P104	520	.241	.924	7060	493	1.6158
P105	525	.244	.924	7060	493	1.6082
P106	530	.246	.924	7060	493	1.6033
P107	535	.248	.924	7060	493	1.5984
P108	540	.250	.924	7060	493	1.5936
P109	545	.253	.925	7067	500	1.5866
P110	550	.255	.925	7067	500	1.5820
P111	555	.257	.925	7067	500	1.5774
P112	560	.260	.925	7067	500	1.5708
P113	565	.262	.925	7067	500	1.5664
P114	570	.264	.925	7067	500	1.5621
P115	✓575	9.583 .267	.925	7067✓	500	1.5558
P116	580	.269	.925	7067	500	1.5517
P117	585	.271	.925	7067	500	1.5476
P118	590	.274	.925	7067	500	1.5416
P119	595	.276	.925	7067	500	1.5377
P120	600	.278	.925	7067	500	1.5336
P121	605	.281	.925	7067	500	1.5281
P122	610	.283	.925	7067	500	1.5244
P123	615	.285	.925	7067	500	1.5207
P124	620	.288	.925	7067	500	1.5158
P125	625	.290	.925	7067	500	1.5117
P126	630	.292	.925	7067	500	1.5082
P127	635	.295	.925	7067	500	1.5031
P128	640	.297	.926	7075	508	1.4997

COMPANY: PHILLIPS PET NORWAY
 TICKET NO: H001407
 GAUGE NO: 701

4TH CLOSURE CONTINUED

	TIME		PRESSURE		DELTA P	T+0/D	
	MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG			
P129	✓ 645	10.750	.299	.926	7075 ✓	508	1.4963
P130	650		.301	.926	7075	508	1.4930
P131	655		.304	.926	7075	508	1.4882
P132	660		.306	.926	7075	508	1.4850
P133	665		.308	.926	7075	508	1.4818
P134	670		.311	.926	7075	508	1.4772
P135	675		.313	.926	7075	508	1.4741
P136	680		.315	.926	7075	508	1.4711
P137	685		.318	.926	7075	508	1.4667
P138	690		.320	.926	7075	508	1.4638
P139	695		.322	.926	7075	508	1.4609
P140	700		.325	.926	7075	508	1.4566
P141	705		.327	.926	7075	508	1.4538
P142	710		.329	.926	7075	508	1.4511
P143	715		.332	.926	7075	508	1.4470
P144	720		.334	.927	7082	515	1.4443
P145	725		.336	.927	7082	515	1.4417
P146	730		.339	.927	7082	515	1.4378
P147	735		.341	.927	7082	515	1.4352
P148	740		.343	.927	7082	515	1.4327
P149	745		.346	.927	7082	515	1.4289
P150	750		.348	.927	7082	515	1.4264
P151	755		.350	.927	7082	515	1.4240
P152	760		.353	.927	7082	515	1.4204
P153	✓ 765	12.750	.355	.927	7082 ✓	515	1.4180
P154	770		.357	.927	7082	515	1.4157
P155	775		.359	.927	7082	515	1.4134
P156	780		.362	.927	7082	515	1.4099
P157	785		.364	.927	7082	515	1.4077
P158	790		.366	.927	7082	515	1.4055
P159	795		.369	.927	7082	515	1.4022
P160	800		.371	.927	7082	515	1.4000
P161	805		.373	.927	7082	515	1.3979
P162	810		.376	.927	7082	515	1.3947
P163	815		.378	.927	7082	515	1.3926
P164	820		.380	.927	7082	515	1.3905
P165	825		.383	.927	7082	515	1.3875
P166	830		.385	.927	7082	515	1.3855
P167	835		.387	.927	7082	515	1.3835
P168	840		.390	.927	7082	515	1.3805
P169	845		.392	.927	7082	515	1.3786
P170	850		.394	.927	7082	515	1.3766
P171	855		.397	.927	7082	515	1.3738

COMPANY: PHILLIPS PET NORWAY
 TICKET NO: H001407
 GAUGE NO: 701

4TH CLOSURE CONTINUED

	TIME		PRESSURE		DELTA P	T+0/D
	MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG		
P172	860	.399	.928	7090	523	1.3719
P173	865	.401	.928	7090	523	1.3701
P174	870	.404	.928	7090	523	1.3673
P175	875	.406	.928	7090	523	1.3655
P176	880	.408	.928	7090	523	1.3637
P177	885	.410	.928	7090	523	1.3620
P178	890	.413	.928	7090	523	1.3593
P179	895	.415	.928	7090	523	1.3576
P180	900	.417	.928	7090	523	1.3559
P181	905	.420	.928	7090	523	1.3533
P182	910	15.167 .422	.928	7090 ✓	523	1.3517
P183	915	.424	.928	7090	523	1.3500
P184	920	.427	.928	7090	523	1.3475
P185	925	.429	.928	7090	523	1.3459
P186	930	.431	.928	7090	523	1.3443
P187	935	.434	.928	7090	523	1.3419
P188	940	.436	.928	7090	523	1.3404
P189	945	.438	.928	7090	523	1.3388
P190	950	.441	.928	7090	523	1.3365
P191	955	.443	.928	7090	523	1.3350
P192	960	.445	.928	7090	523	1.3335
P193	965	.448	.928	7090	523	1.3312
P194	970	.450	.928	7090	523	1.3298
P195	975	.452	.928	7090	523	1.3283
P196	980	.455	.928	7090	523	1.3262
P197	985	.457	.928	7090	523	1.3247
P198	990	.459	.928	7090	523	1.3233
P199	995	.462	.928	7090	523	1.3212
P200	1000	.464	.928	7090	523	1.3198
P201	1005	.466	.928	7090	523	1.3185
P202	1010	.468	.928	7090	523	1.3171
P203	1015	.471	.928	7090	523	1.3151
P204	1021	17.017 .474	.928	7090 ✓	523	1.3131

COMPANY: PHILLIPS PET NORWAY
 TICKET NO: H001407
 GAUGE NO: 701

*Plot 5th flow,
 total tp = 8.423 hrs*

*Mark plotted and
 "pressure data from
 Amerada gauges"*

5TH FLOW 101. 5 MINUTE INTERVALS. 4
 TOTAL 509 MINUTES

TIME MINUTES	TIME		PRESSURE		PSIG
	INCHES	DEFL.	INCHES	DEFL.	
P0	0	0.000	.000	.928	709
P1	5	0.083	.002	.850	650
P2	10	0.167	.005	.753	578
P3	15	0.250	.007	.733	5628 ✓ 1462
P4	20	0.333	.009	.719	5522 ✓ 1568
P5	25	0.417	.012	.704	5409 ✓ 1681
P6	30	0.500	.014	.695	5340 ✓ 1750
P7	35	0.583	.016	.688	5287 ✓ 1803
P8	40	0.667	.019	.681	5234 ✓ 1856
P9	45	0.750	.021	.678	5212 ✓ 1878
P10	50	0.833	.023	.674	5181 ✓ 1909
P11	55	0.917	.026	.670	5151 ✓ 1939
P12	60	1.000	.028	.666	5121 ✓ 1969
P13	✓ 65	1.083	.030	.665	5113 ✓ 1977
P14	70		.032	.662	5090 ✓ 2000
P15	✓ 75	1.250	.035	.661	5083 ✓ 2007
P16	80		.037	.660	5075 ✓ 2015
P17	✓ 85	1.417	.039	.656	5045 ✓ 2045
P18	90		.042	.657	5053 ✓ 2037
P19	✓ 95	1.583	.044	.657	5053 ✓ 2037
P20	100		.046	.655	5037 ✓ 2058
P21	105		.049	.651	5007 ✓ 2088
P22	✓ 110	1.833	.051	.650	5000 ✓ 2090
P23	115		.053	.647	4977 ✓ 2113
P24	120		.056	.646	4969 ✓ 2121
P25	125		.058	.645	4962 ✓ 2128
P26	✓ 130	2.167	.060	.643	4946 ✓ 2144
P27	135		.063	.643	4946 ✓ 2144
P28	140		.065	.642	4939 ✓ 2151
P29	145		.067	.642	4939 ✓ 2151
P30	✓ 150	2.500	.070	.637	4901 ✓ (20) 2189
P31	155		.072	.635	4886 ✓ 2204
P32	160		.074	.635	4886 ✓ 2204
P33	165		.077	.635	4886 ✓ 2204
P34	170		.078	.633	4871 ✓ 2219
P35	✓ 175	2.917	.081	.632	4863 ✓ 2227
P36	180		.083	.631	4856 ✓ 2234
P37	185		.086	.630	4848 ✓ 2242
P38	190		.088	.629	4840 ✓ 2250
P39	195		.090	.629	4840 ✓ 2250
P40	✓ 200	3.333	.093	.627	4825 ✓ 2265
P41	205		.095	.625	4810 ✓ 2280
P42	210		.097	.625	4810 ✓ 2280

COMPANY: PHILLIPS PET NORWAY
 TICKET NO: HOD1407
 GAUGE NO: 701

5TH FLOW CONTINUED

	TIME		PRESSURE		PSIG	DELTA P
	MINUTES	INCHES DEFL.	INCHES DEFL.			
P43	215	.100	.624		4803	2287
P44	220	.102	.623		4795	2295
P45	✓ 225	3.750 .104	.622		4787 ✓	2303
P46	230	.107	.621		4780	2310
P47	235	.109	.618		4757	2333
P48	240	.111	.618		4757	2333
P49	245	.114	.617		4750	2340
P50	250	.116	.616		4742	2348
P51	✓ 255	4.250 .118	.615		4734 ✓	2356
P52	260	.121	.614		4727	2363
P53	265	.123	.596		4590	2500
P54	270	.125	.585		4507	2583
P55	275	.128	.585		4507	2583
P56	280	.130	.585		4507	2583
P57	✓ 285	4.750 .132	.585		4507 ✓	2583
P58	290	.135	.585		4507	2583
P59	295	.137	.588		4530	2560
P60	300	.139	.586		4515	2575
P61	305	.141	.586		4515	2575
P62	310	.144	.586		4515	2575
P63	315	.146	.586		4515	2575
P64	✓ 320	5.333 .148	.586		4515 ✓	2575
P65	325	.151	.586		4515	2575
P66	330	.153	.585		4507	2583
P67	335	.155	.585		4507	2583
P68	340	.158	.584		4500	2590
P69	345	.160	.584		4500	2590
P70	350	.162	.583		4492	2598
P71	355	.165	.583		4492	2598
P72	360	.167	.583		4492	2598
P73	✓ 365	6.083 .169	.583		4492 ✓	2598
P74	370	.172	.583		4492	2598
P75	375	.174	.583		4492	2598
P76	380	.176	.583		4492	2598
P77	385	.179	.583		4492	2598
P78	390	.181	.582		4484	2606
P79	395	.183	.582		4484	2606
P80	400	.186	.582		4484	2606
P81	405	.188	.582		4484	2606
P82	410	.190	.582		4484	2606
P83	✓ 415	6.917 .192	.581		4477 ✓	2613
P84	420	.195	.581		4477	2613
P85	425	.197	.581		4477	2613

COMPANY: PHILLIPS PET NORWAY
 TICKET NO: H001407
 GAUGE NO: 701

5TH FLOW CONTINUED

	TIME		PRESSURE		PSIG	DELTA P
	MINUTES	INCHES DEFL.	INCHES DEFL.			
P86	430	.199	.581		4477	2613
P87	435	.202	.581		4477	2613
P88	440	.204	.579		4462	2628
P89	445	.206	.579		4462	2628
P90	450	.209	.579		4462	2628
P91	455	.211	.578		4454	2636
P92	✓ 460	7.667 .213	.578		4454 ✓	2636
P93	465	.216	.578		4454	2636
P94	470	.218	.577		4446	2644
P95	475	.220	.577		4446	2644
P96	480	.223	.577		4446	2644
P97	485	.225	.577		4446	2644
P98	490	.227	.577		4446	2644
P99	495	.230	.577		4446	2644
P100	500	.232	.577		4446	2644
P101	505	.234	.577		4446	2644
P102	✓ 509	8.483 .236	.577		4446 ✓	2644

COMPANY: PHILLIPS PET NORWAY
 TICKET NO: H001407.
 GAUGE NO: 701

5th build up

Merke plottet med
 "primære data fra
 Amanda gauge"

$f_p = 5.267 \text{ hrs}$

5TH CLOSURE 209. 5 MINUTE INTERVALS. 1

 TOTAL 1048 MINUTES

	TIME		PRESSURE		PSIG		
	MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG			
P0	0	0.000	.000	.577	4444		
P1	5	0.083	.002	.741	5689		
P2	10	0.167	.005	.774	5939		
P3	15	0.250	.007	.786	6029	✓	1000 34,7140
P4	20	0.333	.009	.794	6089	✓	1643 27,2222
P5	25	0.417	.012	.804	6164	✓	1718 20,6667
P6	30	0.500	.014	.811	6216	✓	1770 17,8571
P7	35	0.583	.016	.816	6253	✓	1807 15,7500
P8	40	0.667	.019	.822	6298	✓	1852 13,4211
P9	45	0.750	.021	.825	6320	✓	1874 12,2381
P10	50	0.833	.023	.828	6343	✓	1897 11,2609
P11	55	0.917	.026	.833	6380	✓	1934 10,0769
P12	✓ 60	1.000	.028	.836	6402	✓	1956 9,4286
P13	65		.030	.839	6425		1979 8,8667
P14	✓ 70	1.167	.032	.842	6447	✓	2001 8,3750
P15	75		.035	.845	6470		2024 7,7429
P16	80		.037	.847	6485		2035 7,3784
P17	✓ 85	1.417	.039	.849	6500	✓	2054 7,0513
P18	90		.042	.851	6514		2068 6,5190
P19	95		.044	.852	7270		2824 6,3636
P20	✓ 100	1.667	.046	.854	7285	✓	2839 6,1304
P21	105		.049	.857	7308		2862 5,8163
P22	110		.051	.859	7323		2877 5,6275
P23	115		.053	.860	6582		2136 5,4528
P24	✓ 120	2.000	.056	.862	6597	✓	2151 5,2143
P25	125		.058	.863	6604		2158 5,0690
P26	130		.060	.864	6611		2165 4,9333
P27	135		.063	.866	6626		2180 4,7460
P28	✓ 140	2.333	.065	.867	6634	✓	2188 4,6808
P29	145		.067	.868	6641		2195 4,5224
P30	150		.070	.869	6649		2203 4,3714
P31	155		.072	.870	6656		2210 4,2778
P32	160		.074	.871	6664		2218 4,1892
P33	165		.077	.873	6679		2233 4,0649
P34	✓ 170	2.833	.079	.874	6686	✓	2240 3,9873
P35	175		.081	.875	6694		2248 3,9136
P36	180		.083	.876	6701		2255 3,8434
P37	185		.086	.877	6708		2262 3,7442
P38	190		.088	.878	6716		2270 3,6818
P39	195		.090	.878	6716		2270 3,6222
P40	200		.093	.879	6723		2277 3,5376
P41	205		.095	.880	6731		2285 3,4842
P42	✓ 210	3.500	.097	.881	6738	✓ (20)	2292 3,4330

COMPANY: PHILLIPS PET NORWAY
 TICKET NO: HDD1407.
 GAUGE NO: 701

5TH CLOSURE CONTINUED

	TIME		PRESSURE		T+O/G	
	MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG		DELTA P
P43	215	.100	.882	6746	2300	3.3600
P44	220	.102	.883	6753	2307	3.3137
P45	225	.104	.883	6753	2307	3.2692
P46	230	.107	.884	6761	2315	3.2056
P47	235	.109	.885	6768	2322	3.1651
P48	240	.111	.885	6768	2322	3.1261
P49	245	.114	.886	6776	2330	3.0702
P50	✓ 250	4.167	.886	6776 ✓	2330	3.0345
P51	255	.118	.887	6783	2337	3.0000
P52	260	.121	.888	6791	2345	2.9504
P53	265	.123	.888	6791	2345	2.9137
P54	270	.125	.889	6798	2352	2.8880
P55	275	.128	.889	6798	2352	2.8437
P56	280	.130	.890	6805	2359	2.8154
P57	285	.132	.890	6805	2359	2.7879
P58	290	.135	.891	6813	2367	2.7481
P59	295	.137	.891	6813	2367	2.7226
P60	300	.139	.891	6813	2367	2.6978
P61	✓ 305	5.683	.892	6820 ✓	2374	2.6735
P62	310	.144	.893	6828	2382	2.6389
P63	315	.146	.893	6828	2382	2.6164
P64	320	.148	.893	6828	2382	2.5946
P65	325	.151	.894	6835	2389	2.5629
P66	330	.153	.894	6835	2389	2.5425
P67	335	.155	.895	6843	2397	2.5226
P68	340	.158	.895	6843	2397	2.4937
P69	345	.160	.896	6850	2404	2.4750
P70	350	.162	.896	6850	2404	2.4568
P71	355	.165	.896	6850	2404	2.4303
P72	360	.167	.897	6858	2412	2.4132
P73	✓ 365	6.083	.897	6858 ✓	2412	2.3964
P74	370	.172	.897	6858	2412	2.3721
P75	375	.174	.898	6865	2419	2.3563
P76	380	.176	.898	6865	2419	2.3409
P77	385	.179	.898	6865	2419	2.3184
P78	390	.181	.899	6873	2427	2.3039
P79	395	.183	.899	6873	2427	2.2896
P80	400	.186	.900	6880	2434	2.2688
P81	405	.188	.900	6880	2434	2.2553
P82	410	.190	.900	6880	2434	2.2421
P83	415	.192	.900	6880	2434	2.2292
P84	420	.195	.901	6888	2442	2.2103
P85	✓ 425	7.083	.901	6888 ✓	2442	2.1980

COMPANY: PHILLIPS PET NORWAY
 TICKET NO: H001407
 GAUGE NO: 701

5TH CLOSURE CONTINUED

	TIME		PRESSURE		DELTA P	T+0/0
	MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG		
P86	430	.199	.902	6895	2449	2.1859
P87	435	.202	.902	6895	2449	2.1688
P88	440	.204	.902	6895	2449	2.1569
P89	445	.206	.903	6902	2456	2.1456
P90	450	.209	.903	6902	2456	2.1292
P91	✓ 455	7.583 .211	.903	6902 ✓	2456	2.1185
P92	460	.213	.903	6902	2456	2.1080
P93	465	.216	.903	6902	2456	2.0926
P94	470	.218	.903	6902	2456	2.0826
P95	475	.220	.904	6910	2464	2.0727
P96	480	.223	.904	6910	2464	2.0588
P97	485	.225	.904	6910	2464	2.0489
P98	490	.227	.905	6917	2471	2.0396
P99	495	.230	.905	6917	2471	2.0261
P100	✓ 500	8.333 .232	.905	6917 ✓	2471	2.0172
P101	505	.234	.905	6917	2471	2.0085
P102	510	.237	.905	6917	2471	1.9958
P103	515	.239	.906	6925	2479	1.9874
P104	520	.241	.906	6925	2479	1.9793
P105	525	.244	.906	6925	2479	1.9672
P106	530	.246	.906	6925	2479	1.9593
P107	535	.248	.907	6932	2486	1.9516
P108	540	.250	.907	6932	2486	1.9440
P109	545	.253	.907	6932	2486	1.9328
P110	550	.255	.907	6932	2486	1.9255
P111	✓ 555	9.250 .257	.907	6932 ✓	2486	1.9188
P112	560	.260	.908	6940	2494	1.9077
P113	565	.262	.908	6940	2494	1.9008
P114	570	.264	.908	6940	2494	1.8939
P115	575	.267	.908	6940	2494	1.8839
P116	580	.269	.908	6940	2494	1.8773
P117	585	.271	.908	6940	2494	1.8708
P118	590	.274	.909	6947	2501	1.8613
P119	595	.276	.909	6947	2501	1.8551
P120	600	.278	.909	6947	2501	1.8489
P121	605	.281	.909	6947	2501	1.8399
P122	610	.283	.909	6947	2501	1.8339
P123	✓ 615	10.250 .285	.909	6947 ✓	2501	1.8281
P124	620	.288	.910	6955	2509	1.8194
P125	625	.290	.910	6955	2509	1.8138
P126	630	.292	.910	6955	2509	1.8082
P127	635	.295	.910	6955	2509	1.8000
P128	640	.297	.910	6955	2509	1.7946

COMPANY: PHILLIPS PET NORWAY
 TICKET NO: H001407.
 GAUGE NO: 701

5TH. CLOSURE CONTINUED

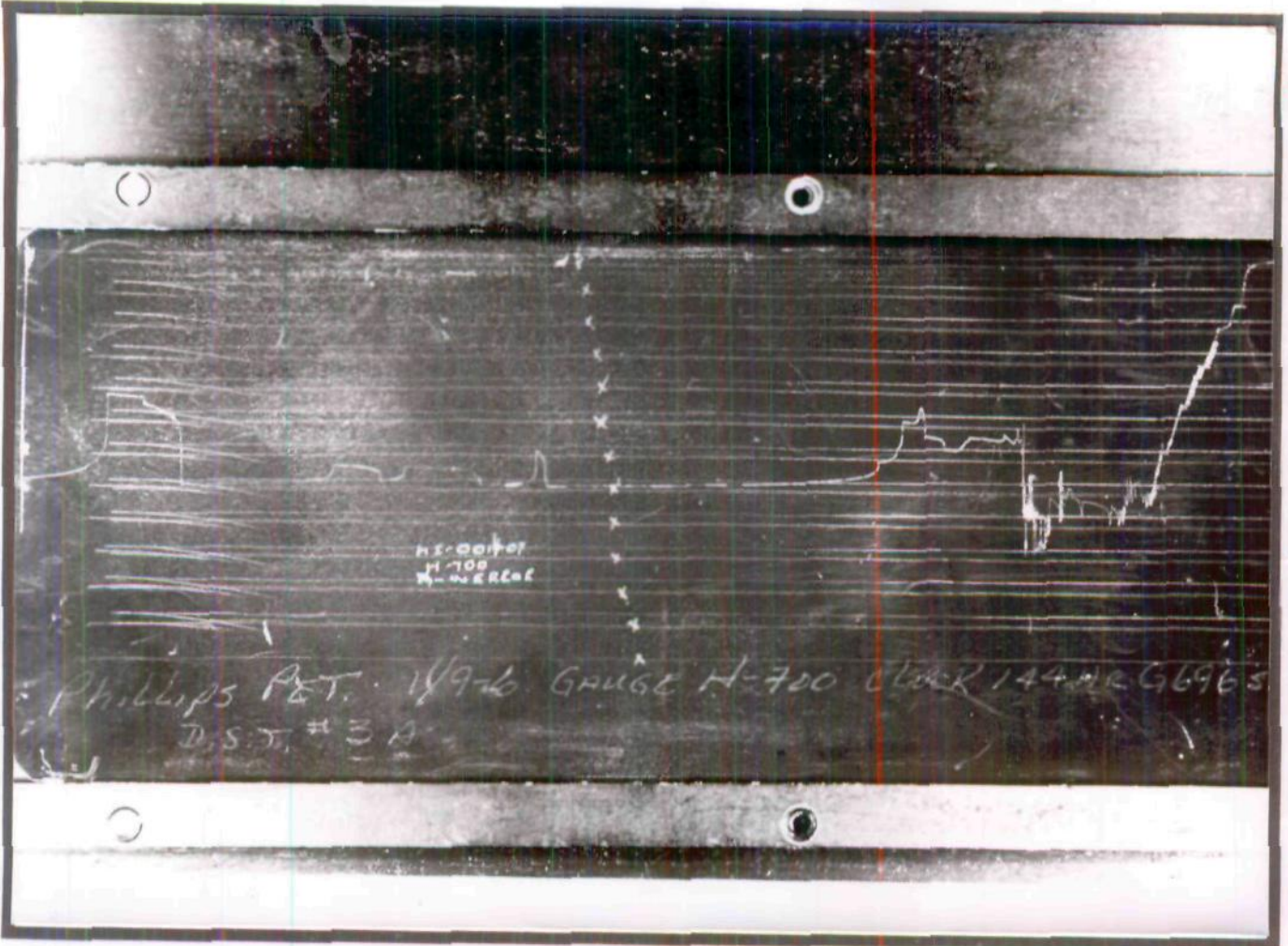
	TIME		PRESSURE		T+0/0	
	MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG	DELTA P	
P129	645	.299	.910	6955	2509	1.7393
P130	650	.301	.911	6962	2516	1.7341
P131	655	.304	.911	6962	2516	1.7763
P132	660	11.000	.911	6962 ✓	2516	1.7712
P133	665	.308	.912	6970	2524	1.7662
P134	670	.311	.912	6970	2524	1.7588
P135	675	.313	.912	6970	2524	1.7540
P136	680	.315	.912	6970	2524	1.7492
P137	685	.318	.913	6977	2531	1.7421
P138	690	.320	.913	6977	2531	1.7375
P139	695	.322	.912	6970	2524	1.7329
P140	700	.325	.912	6970	2524	1.7262
P141	705	.327	.912	6970	2524	1.7217
P142	710	.329	.912	6970	2524	1.7173
P143	715	.332	.912	6970	2524	1.7108
P144	✓ 720	12.000	.912	6970 ✓	2524	1.7066
P145	725	.336	.912	6970	2524	1.7024
P146	730	.339	.912	6970	2524	1.6962
P147	735	.341	.914	6985	2539	1.6921
P148	740	.343	.914	6985	2539	1.6880
P149	745	.346	.914	6985	2539	1.6821
P150	750	.348	.914	6985	2539	1.6782
P151	755	.350	.914	6985	2539	1.6743
P152	760	.353	.914	6985	2539	1.6686
P153	765	.355	.914	6985	2539	1.6648
P154	770	.357	.914	6985	2539	1.6611
P155	775	.359	.914	6985	2539	1.6574
P156	~ 780	13.000	.914	6985 ✓	2539	1.6519
P157	785	.364	.915	6992	2546	1.6484
P158	790	.366	.915	6992	2546	1.6448
P159	795	.369	.915	6992	2546	1.6396
P160	800	.371	.915	6992	2546	1.6361
P161	805	.373	.915	6992	2546	1.6327
P162	810	.376	.915	6992	2546	1.6277
P163	815	.378	.915	6992	2546	1.6243
P164	820	.380	.915	6992	2546	1.6211
P165	825	.383	.915	6992	2546	1.6162
P166	830	.385	.916	7000	2554	1.6130
P167	835	.387	.916	7000	2554	1.6098
P168	✓ 840	14.000	.916	7000 ✓	2554	1.6051
P169	845	.392	.916	7000	2554	1.6020
P170	850	.394	.916	7000	2554	1.5990
P171	855	.397	.916	7000	2554	1.5945

COMPANY: PHILLIPS PET NORWAY
 TICKET NO: H001407
 GAUGE NO: 701

5TH CLOSURE CONTINUED

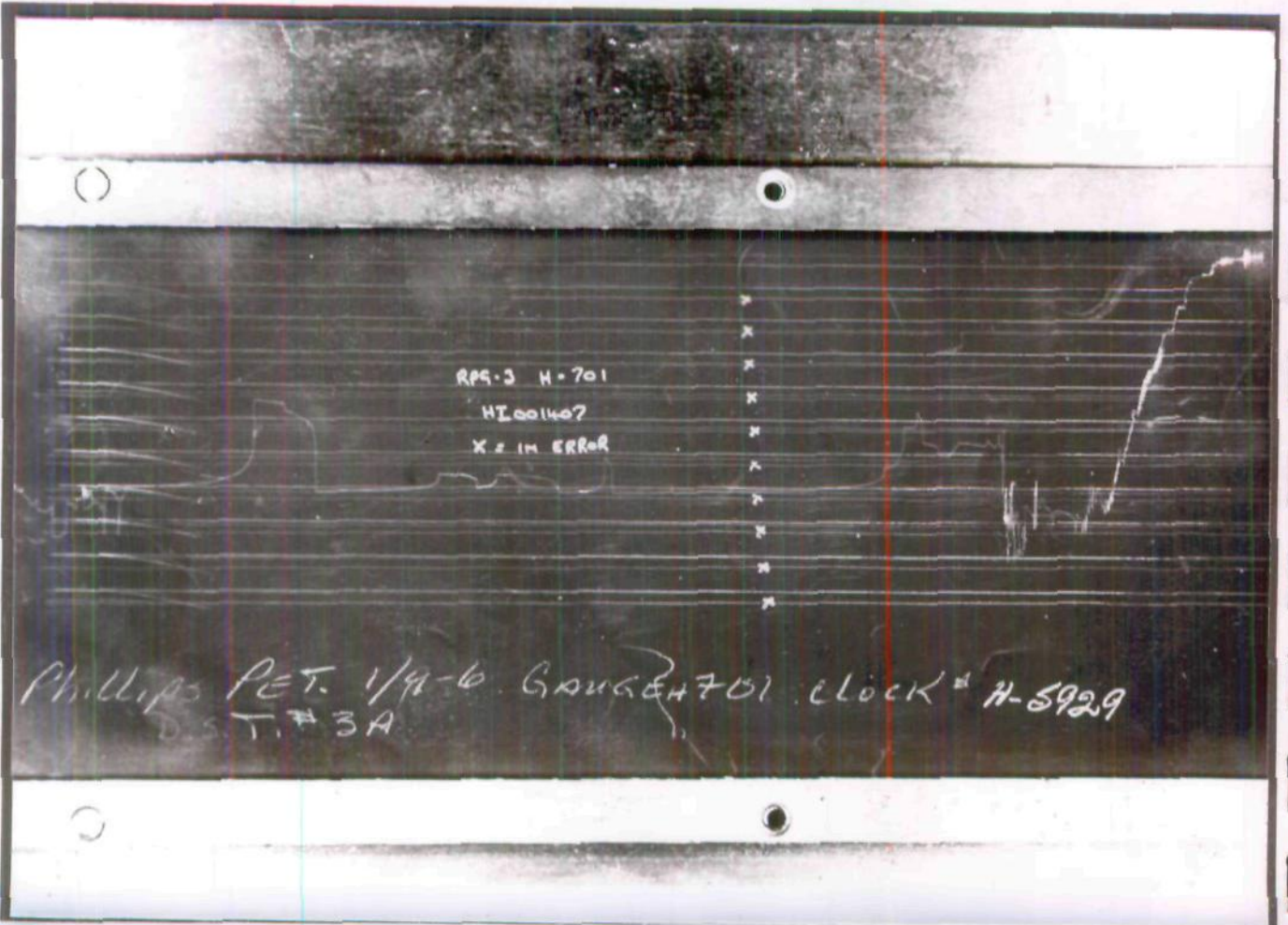
	TIME		PRESSURE		DELTA P	T+0/0
	MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG		
P172	860	.399	.916	7000	2554	1.5915
P173	865	.401	.916	7000	2554	1.5885
P174	870	.404	.917	7007	2561	1.5842
P175	875	.406	.917	7007	2561	1.5813
P176	880	.408	.917	7007	2561	1.5784
P177	885	.410	.917	7007	2561	1.5756
P178	890	.413	.917	7007	2561	1.5714
P179	895	14.9.17 .415	.917	7007	2561	1.5687
P180	900	.417	.917	7007	2561	1.5659
P181	905	.420	.917	7007	2561	1.5619
P182	910	.422	.917	7007	2561	1.5592
P183	915	.424	.917	7007	2561	1.5566
P184	920	.427	.917	7007	2561	1.5527
P185	925	.429	.917	7007	2561	1.5501
P186	930	.431	.918	7015	2569	1.5476
P187	935	.434	.918	7015	2569	1.5438
P188	940	.436	.918	7015	2569	1.5413
P189	945	.438	.919	7022	2576	1.5388
P190	950	.441	.919	7022	2576	1.5351
P191	955	.443	.919	7022	2576	1.5327
P192	960	.445	.919	7022	2576	1.5303
P193	965	.448	.919	7022	2576	1.5268
P194	970	16.167 .450	.919	7022	2576	1.5244
P195	975	.452	.919	7022	2576	1.5221
P196	980	.455	.919	7022	2576	1.5187
P197	985	.457	.919	7022	2576	1.5164
P198	990	.459	.919	7022	2576	1.5142
P199	995	.462	.919	7022	2576	1.5108
P200	1000	.464	.919	7022	2576	1.5086
P201	1005	.466	.919	7022	2576	1.5064
P202	1010	.468	.920	7030	2584	1.5043
P203	1015	.471	.920	7030	2584	1.5011
P204	1020	.473	.920	7030	2584	1.4989
P205	1025	.475	.920	7030	2584	1.4968
P206	1030	.478	.920	7030	2584	1.4937
P207	1035	.480	.920	7030	2584	1.4917
P208	1040	.482	.920	7030	2584	1.4896
P209	1045	.485	.920	7030	2584	1.4866
P210	1048	17.467 .486	.920	7030	2584	1.4856

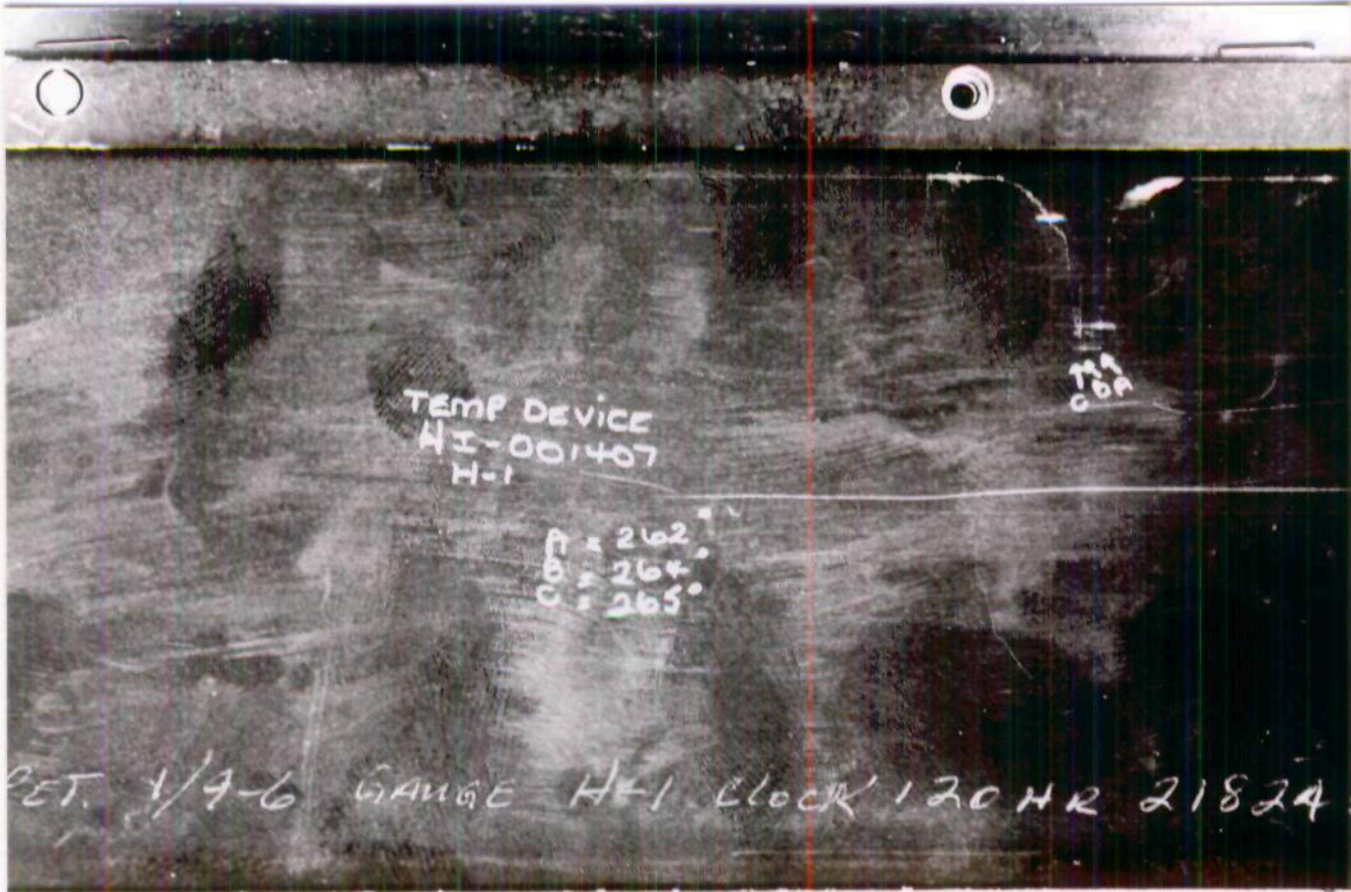
Pressure



RPG time

BT time





- OF_3 = Theoretical Open Flow Potential with /Damage Removed Max. MCF/D
- OF_4 = Theoretical Open Flow Potential with /Damage Removed Min. MCF/D
- P_s = Extrapolated Static Pressure Psig.
- P_f = Final Flow Pressure Psig.
- P_{ot} = Potentiometric Surface (Fresh Water*) Feet
- Q = Average Adjusted Production Rate During Test bbls/day
- Q_1 = Theoretical Production w/Damage Removed bbls/day
- Q_g = Measured Gas Production Rate MCF/D
- R = Corrected Recovery bbls
- r_w = Radius of Well Bore Feet
- t = Flow Time Minutes
- t_o = Total Flow Time Minutes
- T = Temperature Rankine °R
- Z = Compressibility Factor —
- μ = Viscosity Gas or Liquid CP
- Log** = Common Log

*Potentiometric Surface Reference to Rotary Table When Elevation Not Given,
Fresh Water Corrected to 100° F.