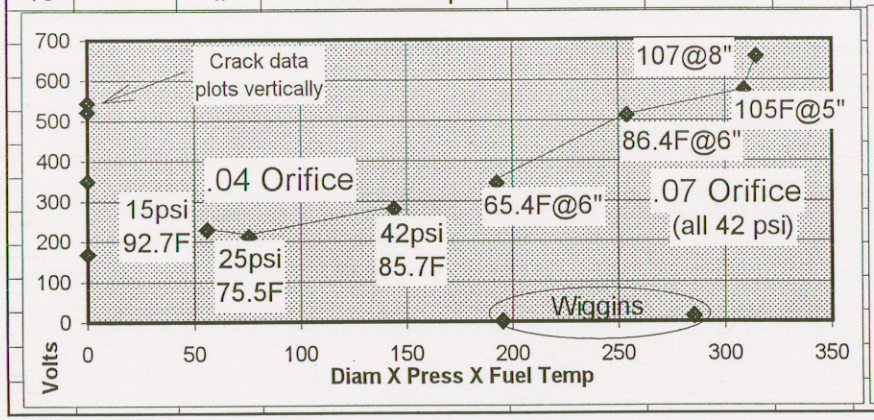
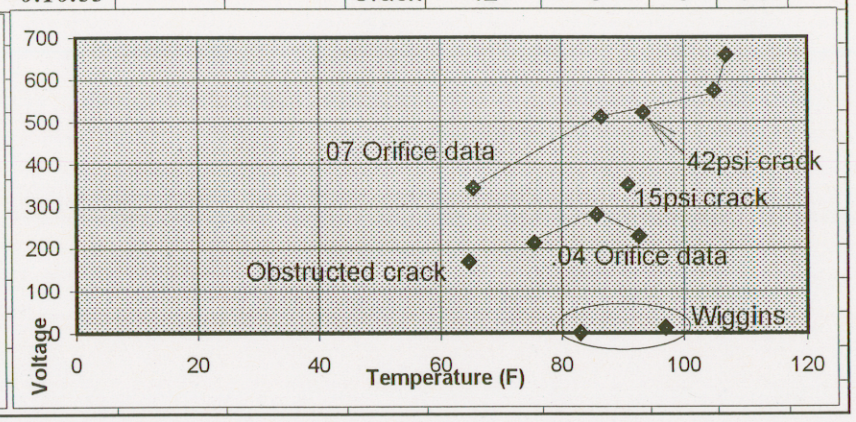
DATA FROM STATIC TESTS OF MARCH 4-7, 1997

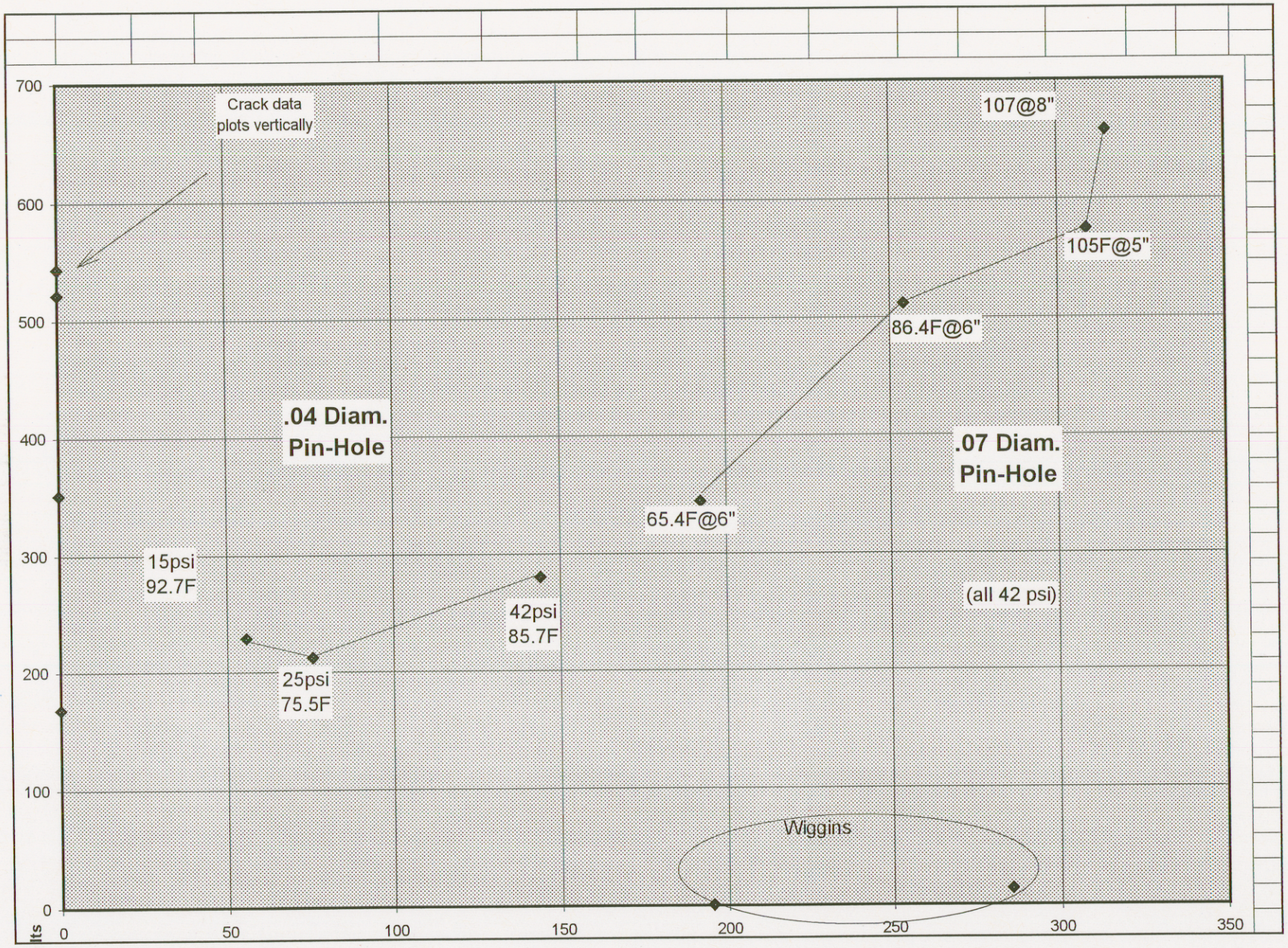
R. Swaim

Italicized entries are derived

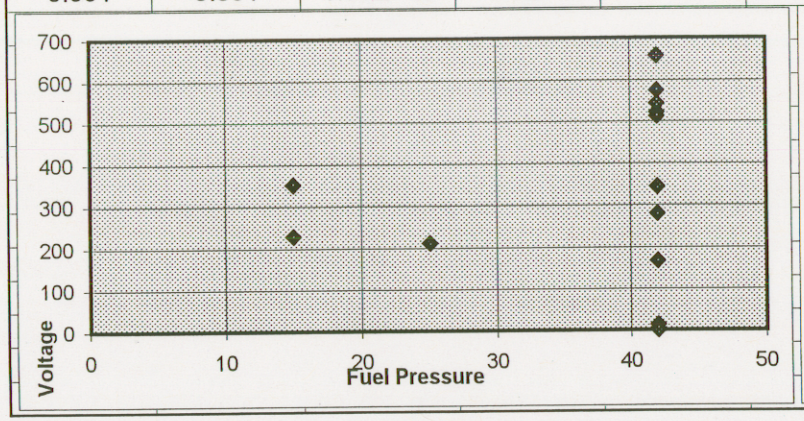
Entry	Date	Test #	Target	Time Stop	Time Start (1:00)	Time Sec.	*Hours to Plot With*	Leakage (ml)	*Leak rate GPH*	Orifice	Fuel PSI	Distance (Inches)	Start CU	CU Tem	End CU
1	3/7/97	IV.b	Wiggins 1"	15:30:46	15:24:49		*0:05*			0.07	42	8	10		
2	3/5/97	IV.b	WigT7/T8/M4/F4	13:50:33	13:44:26	120	*0:06:07*	1310	*3.39501*	0.04	42	1.75	10	69	
3	5/5/97	IV.b	WigT11/T12/M6/F6	11:34:30	11:28:00	120	*0:06:30*	1000	*2.43877*	0.04	25	1.75	10	69	
4	5/5/97	IV.b	WigT11/T12/M6/F6	11:49:04	11:44:02	120	*0:05:02*	1310	*4.12572*	0.04	42	1.75	10	69	
5	5/5/97	IV.c	WigT7/T8/M4/F4			120	*120*	3740	*0.19762*	0.06	42	1.75	17	68	17
6	5/6/97	I.	Teflon clamp			120	*120*	720	*0.03804*	0.04	15	2	9	70	
7	5/6/97	I.	Teflon clamp			120	*120*	1000	*0.05284*	0.04	25	2	9	70	
8	5/6/97	I.	Teflon clamp			120	*120*	1310	*0.06922*	0.04	42	2	9	70	
9	5/6/97	I.	Teflon clamp			780	*780*			Crack	15	2	9	70	
10	5/6/97	I.	Teflon clamp							Crack	42	2	9	70	
11	5/6/97	I.	Teflon clamp			330	*330*			Crack	42	5	9	70	
12	5/7/97	I.	Teflon clamp	10:41:24	10:24:30	1020	*0:16:54*			0.07	42	5	7.5	72	
13	5/7/97	I.	Teflon clamp		10:59:12	900	*0:15:00*			0.07	42	8	7.5	72	
14		I.	Teflon clamp	16:26:44	16:22:07		*0:04:37*			0.07	42	6	5	64	
15		I.	Teflon clamp	18:36:20	18:20:22		*0:15:58*			0.07	42	6	5	64	
16		I.	Teflon clamp	19:32:05	19:15:10		*0:16:55*			Crack	42	6	5	64	

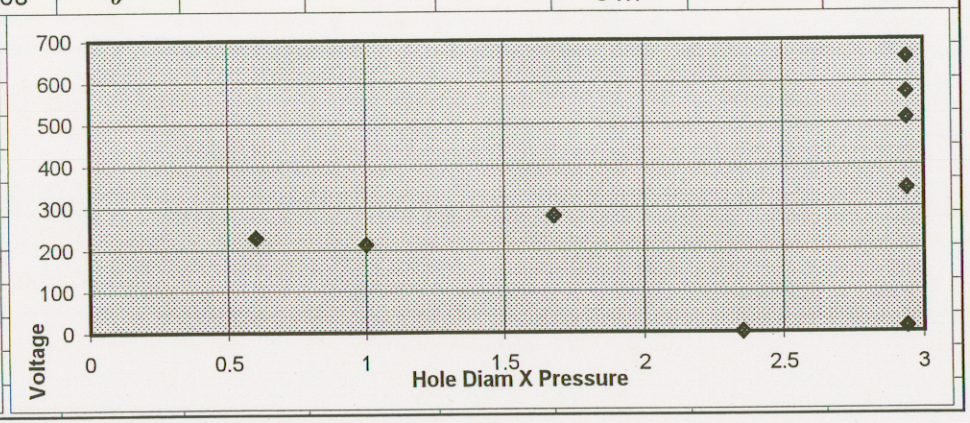
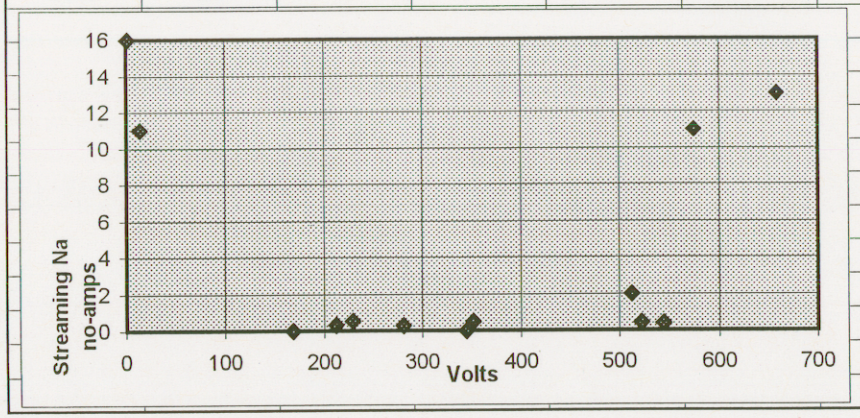





Crack data
plots vertically
.04 Diam.
Pin-Hole
.07 Diam.
Pin-Hole
15psi
92.7F
25psi
75.5F
42psi
85.7F
65.4F@6"
86.4F@6"
105F@5"
107@8"
(all 42 psi)
Wiggins
0
100
200
300
400
500
600
700
0
50
100
150
200
250
300
350

Nanofarads Start	Nanofarads End	Ohms Start	Ohms End		Volts	*Asolute Amps*	Amps Nano-am	Bleed Time (S)	nd Blee Volts	F.Temp Start	F.Temp End	Room Temp
0.131		1.20E+11	1.20E+11		14	*11*	-11			97		68.9
10.38	10.883	1.10E+07	1.20E+07			*0.14*	0.14			84.6		70
2.606	2.99	1.00E+08	1.00E+08			*4*	4			81.3		66
2.606	2.99	1.00E+08	1.00E+08			*0.155*	0.155			83.1		66
0.4473	0.52	2.40E+09	7.00E+08		1	*16*	16			83		71.8
0.091	0.0912	1.00E+12	1.00E+12		229	*0.52*	-0.52	300	214	92.7		69
0.091	0.0912	1.00E+12	1.00E+12		212	*0.31*	-0.31	300	201	75.5		69
0.091	0.0912	1.00E+12	1.00E+12		280	*0.27*	-0.27	300	243	85.7		69
0.091	0.0912	1.00E+12	1.00E+12		351	*0.5*	0.5			90.9		
0.091	0.0912	1.00E+12	1.00E+12		522	*0.41*	0.41			93.4		
0.091	0.0912	1.00E+12	1.00E+12		544	*0.4*	0.4					
0.0913	0.0908	1.00E+12	1.00E+12		575	*11*	11			105	108	63
0.0913	0.0908	1.00E+12	1.00E+12		658	*13*	13			107	105	63
0.091	0.091	1.00E+12	1.00E+12		344	*0*				65.4	72.2	57
0.091	0.091	1.00E+12	1.00E+12		512	*2*	2			86.4	91.5	58
0.091	0.091	1.00E+12	1.00E+12		168	*0*				64.7		56





Room RH%	Chamber Temp	Chamber RH%	LEL	Oxygen	*R/C (start Nos.)*	Fuel PSI	Hole times Pressure	Dia*Press *Temp	
13	68.8	1.4			*916.03*	42	2.94	285.18	97
33	70	1.4	2	5.7	*0.00*	42	1.68	142.128	84.6
31.5	72	1.1	1.2	7.4	*0.04*	25	1	81.3	81.3
31.5	72	1.1	1.2	7.4	*0.04*	42	1.68	139.608	83.1
32	67	0		8.2	*5.37*	42	2.352	195.216	83
8	70.6	0	0	0.7	*10989.01*	15	0.6	55.62	92.7
8	71.5	0	0	0.7	*10989.01*	25	1	75.5	75.5
8	69	0	0	0.7	*10989.01*	42	1.68	143.976	85.7
	61	0	5	1	*10989.01*	15		#VALUE!	90.9
	69	0	5	1	*10989.01*	42		#VALUE!	93.4
	69	0	5	1	*10989.01*	42		#VALUE!	
13	70	0	2	0	*10952.90*	42	2.94	308.7	105
13	70	0	2	0	*10952.90*	42	2.94	314.58	107
60.2	61	0			*10989.01*	42	2.94	192.276	65.4
15	63	0			*10989.01*	42	2.94	254.016	86.4
15.5	65	0			*10989.01*	42		#VALUE!	64.7