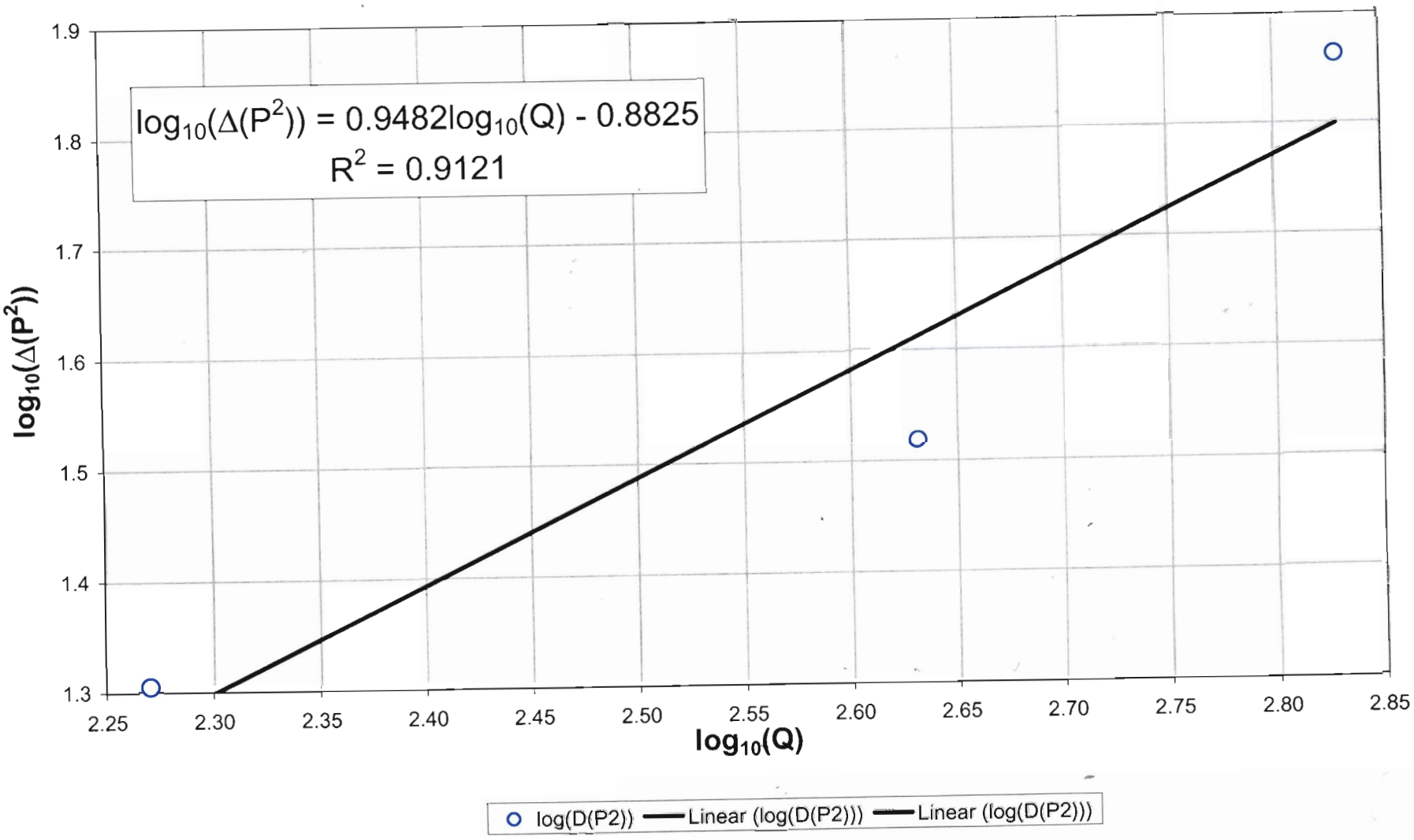
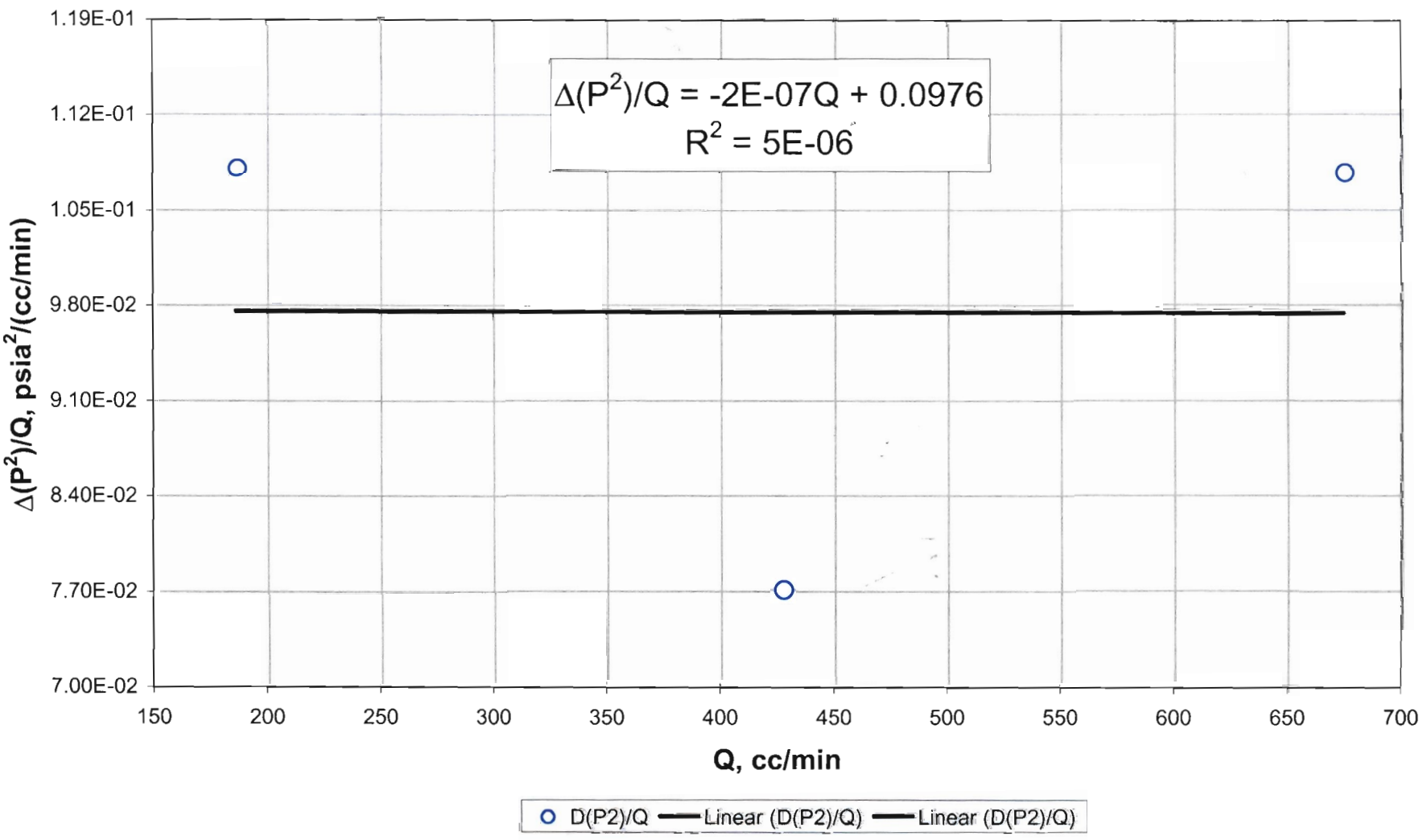
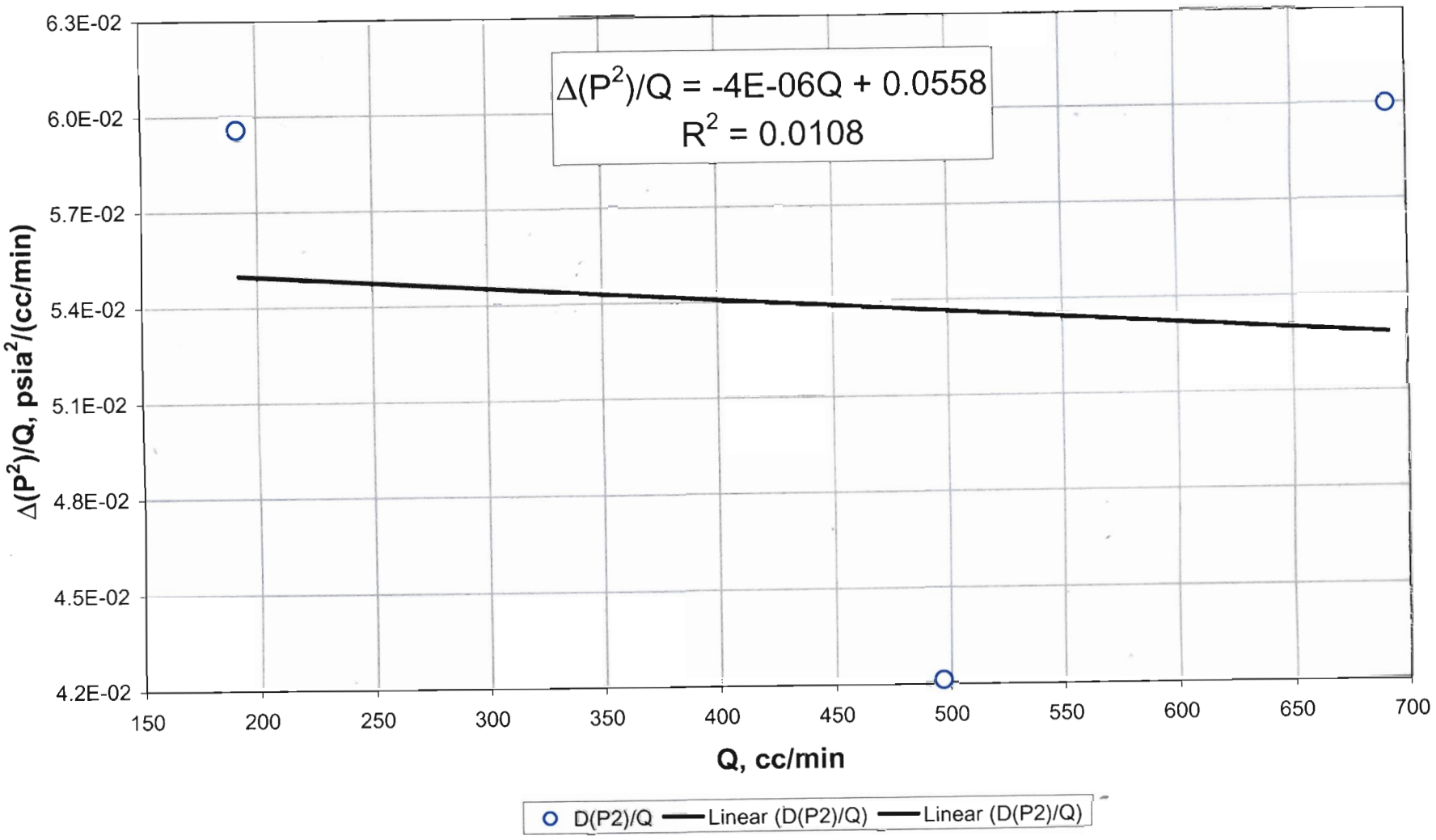
Log-Log plot of differential pressures squared vs. flowrate--used to identify the presence of high-velocity flow effects (when the slope is greater than unity)
V3 Transect: Drillhole 3



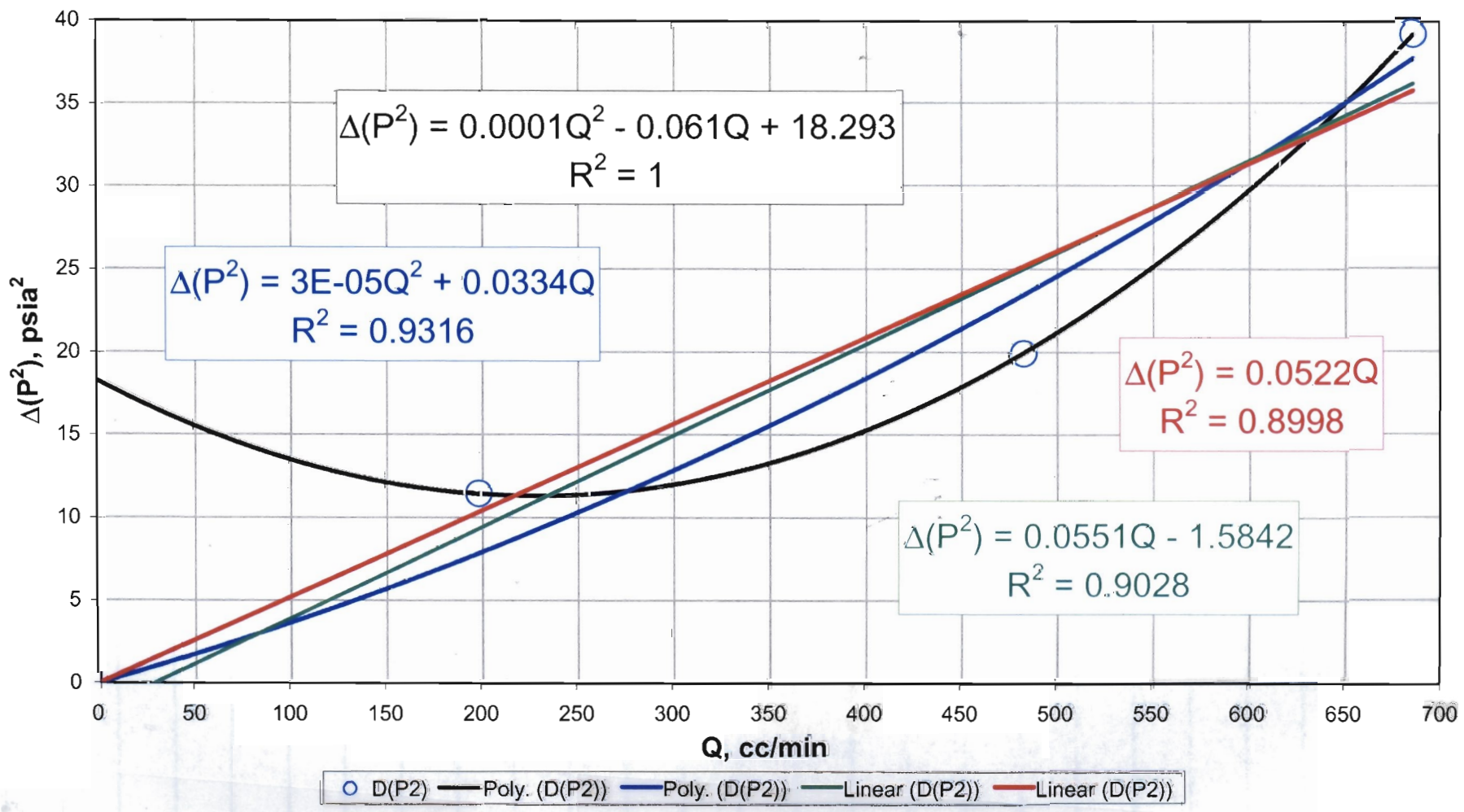
Final check for high velocity flow effects:
High velocity flow effects are present when the slope is non-zero and positive.
V3 Transect: Drillhole 3



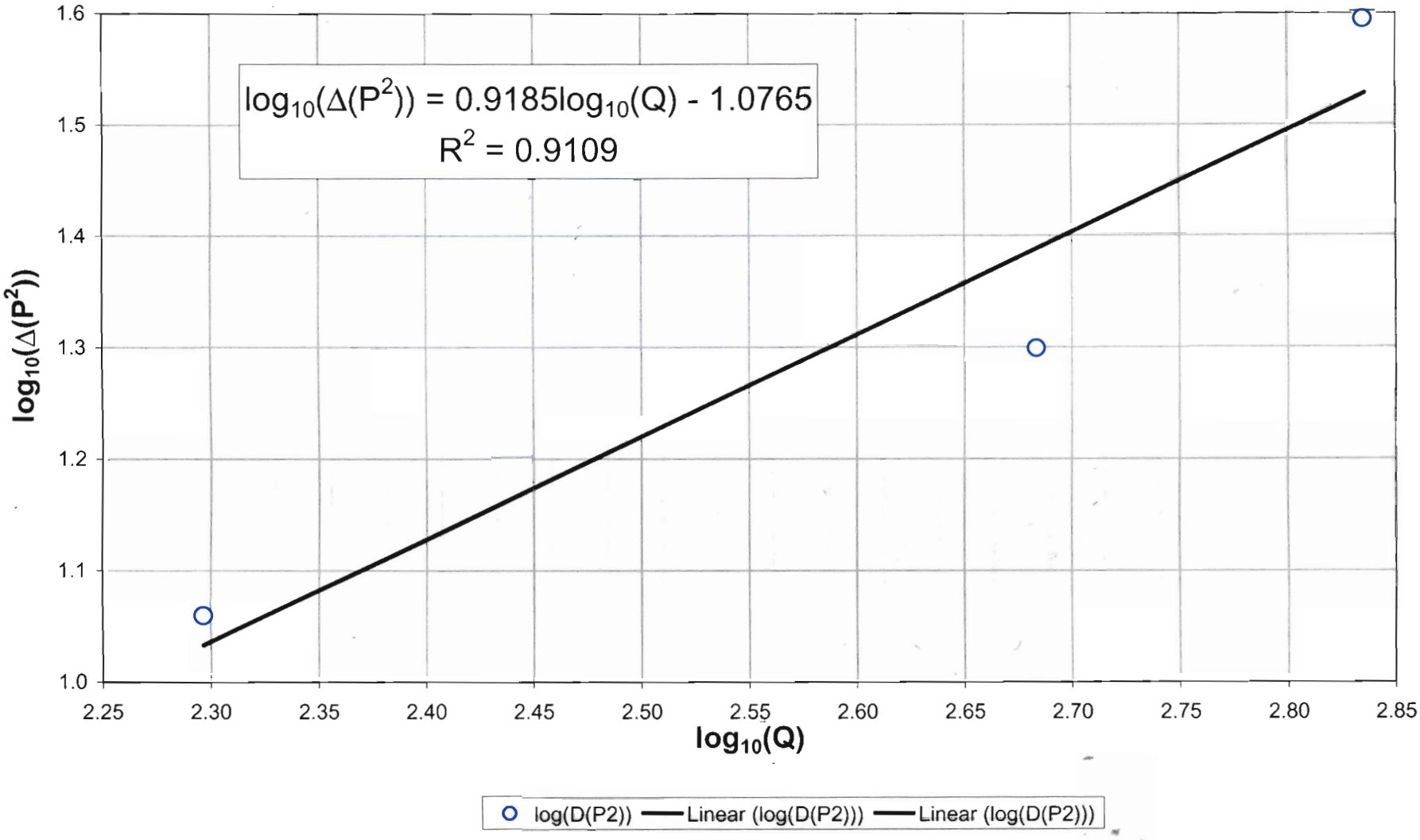
Final check for high velocity flow effects:
High velocity flow effects are present when the slope is non-zero and positive.
V3 Transect: Drillhole 4



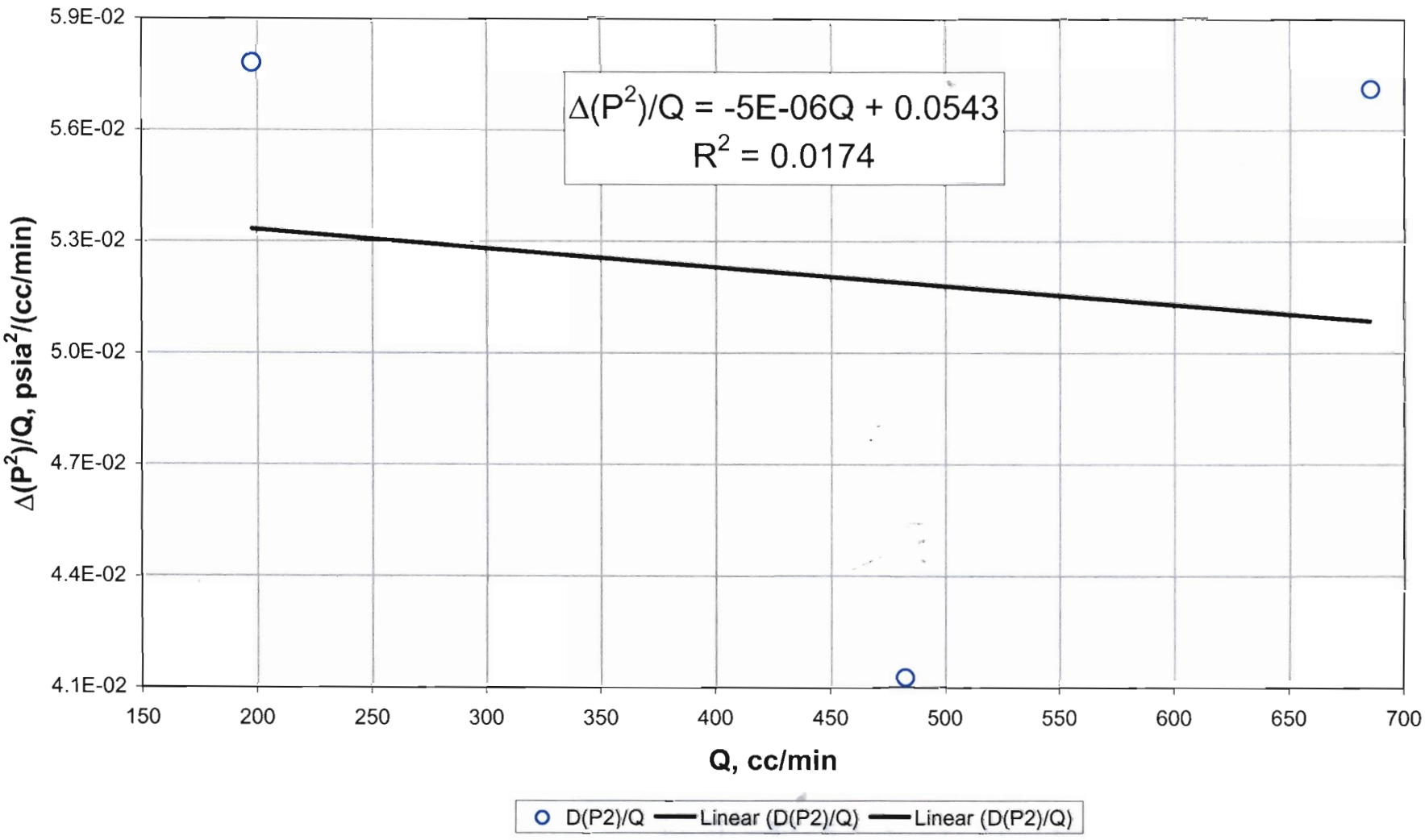
Relationship between steady-state differential pressures squared and flowrate:
If relationship is linear, with the ordinate intercept nearly zero,
there is no high velocity flow effect.
V3 Transect: Drillhole 5



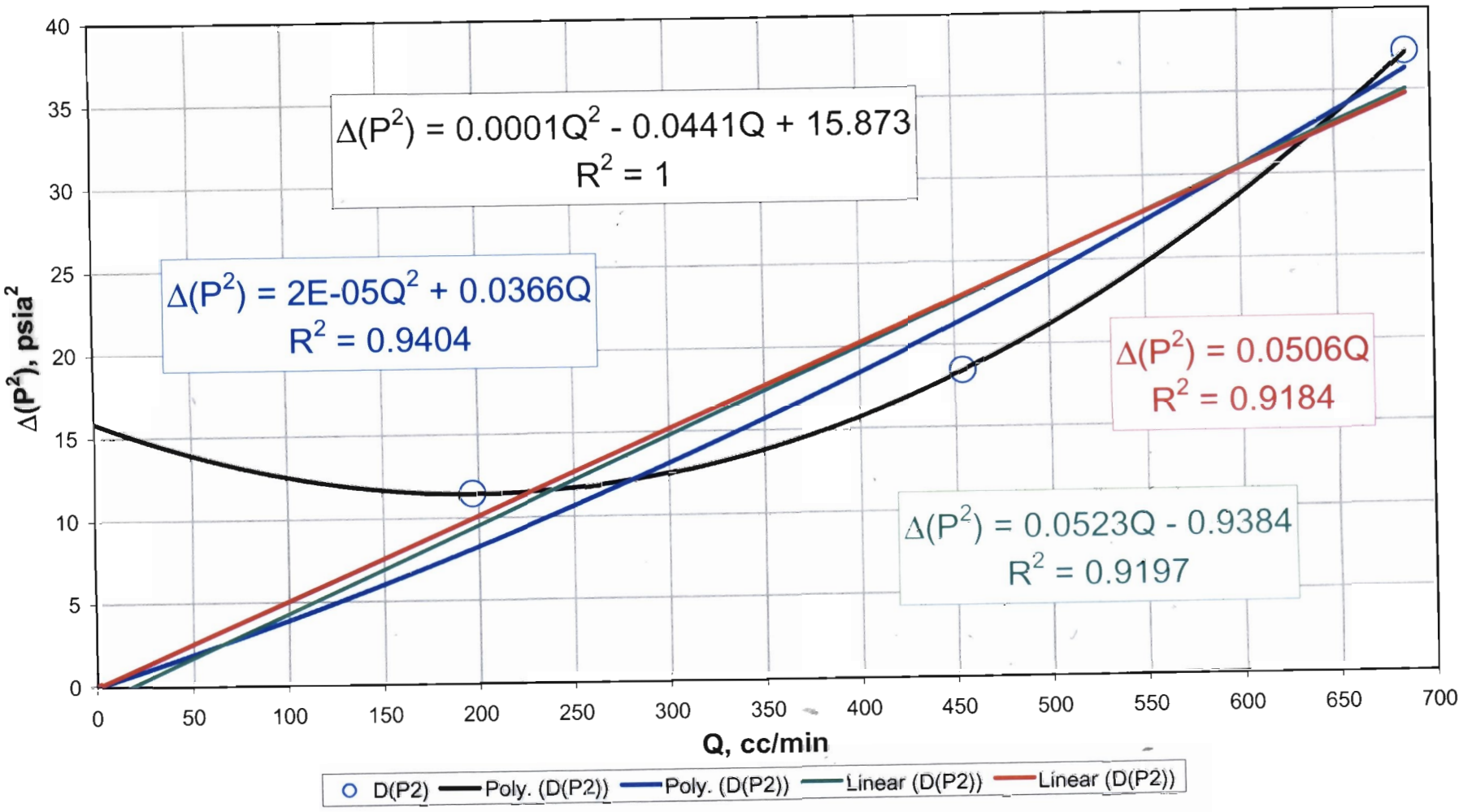
Log-Log plot of differential pressures squared vs. flowrate--used to identify the presence of high-velocity flow effects (when the slope is greater than unity)
V3 Transect: Drillhole 5



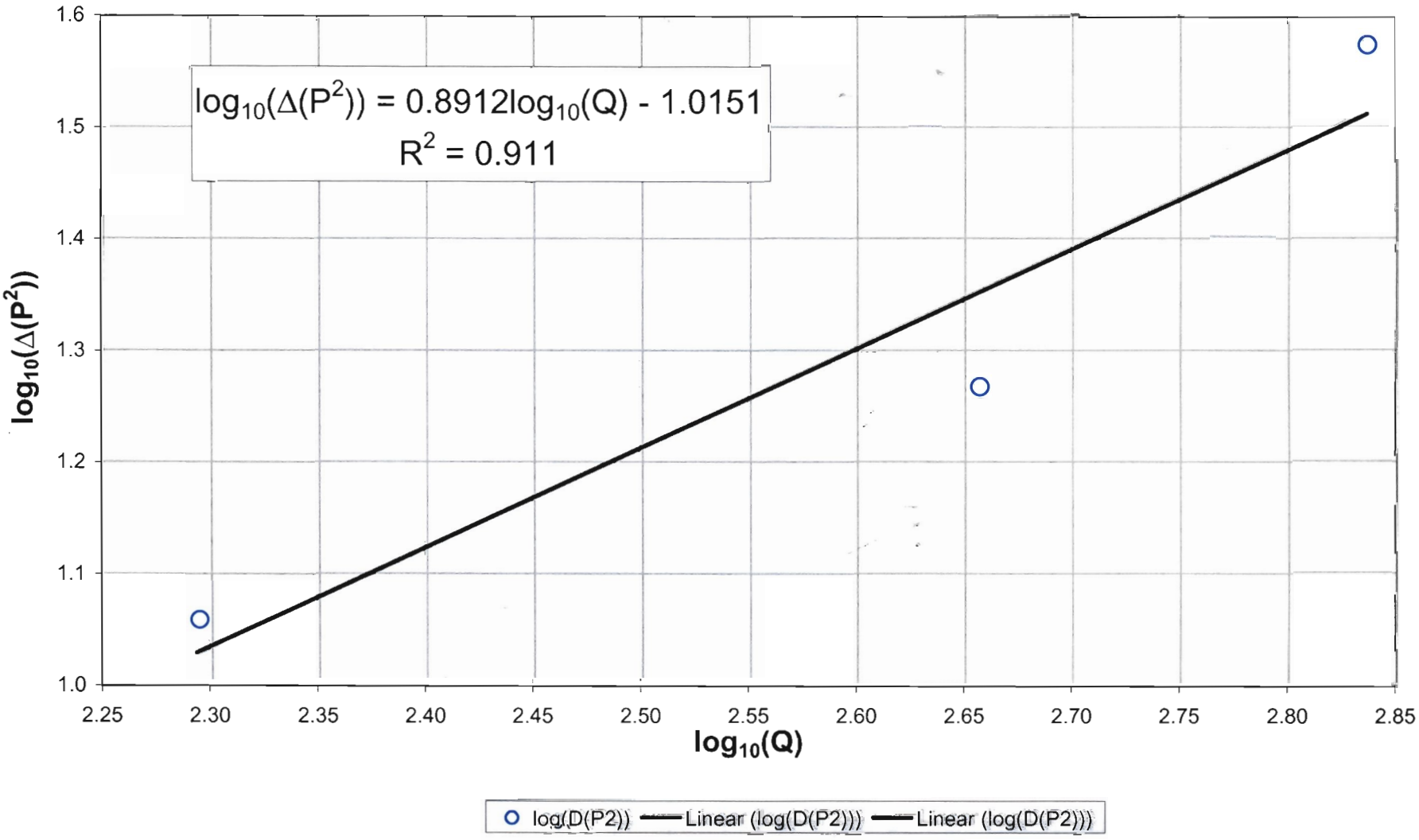
Final check for high velocity flow effects:
High velocity flow effects are present when the slope is non-zero and positive.
V3 Transect: Drillhole 5



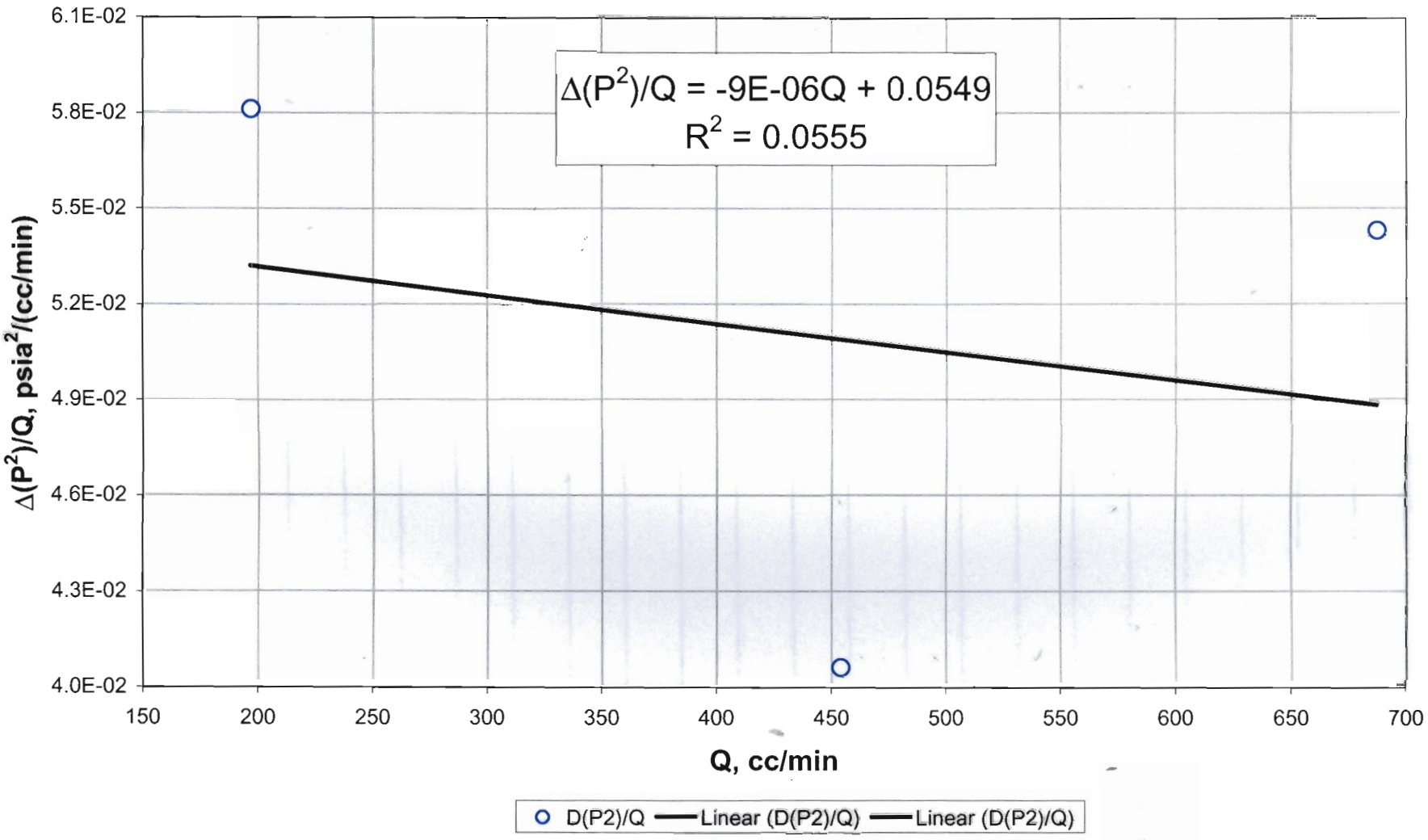
Relationship between steady-state differential pressures squared and flowrate:
If relationship is linear, with the ordinate intercept nearly zero,
there is no high velocity flow effect.
V3 Transect: Drillhole 6



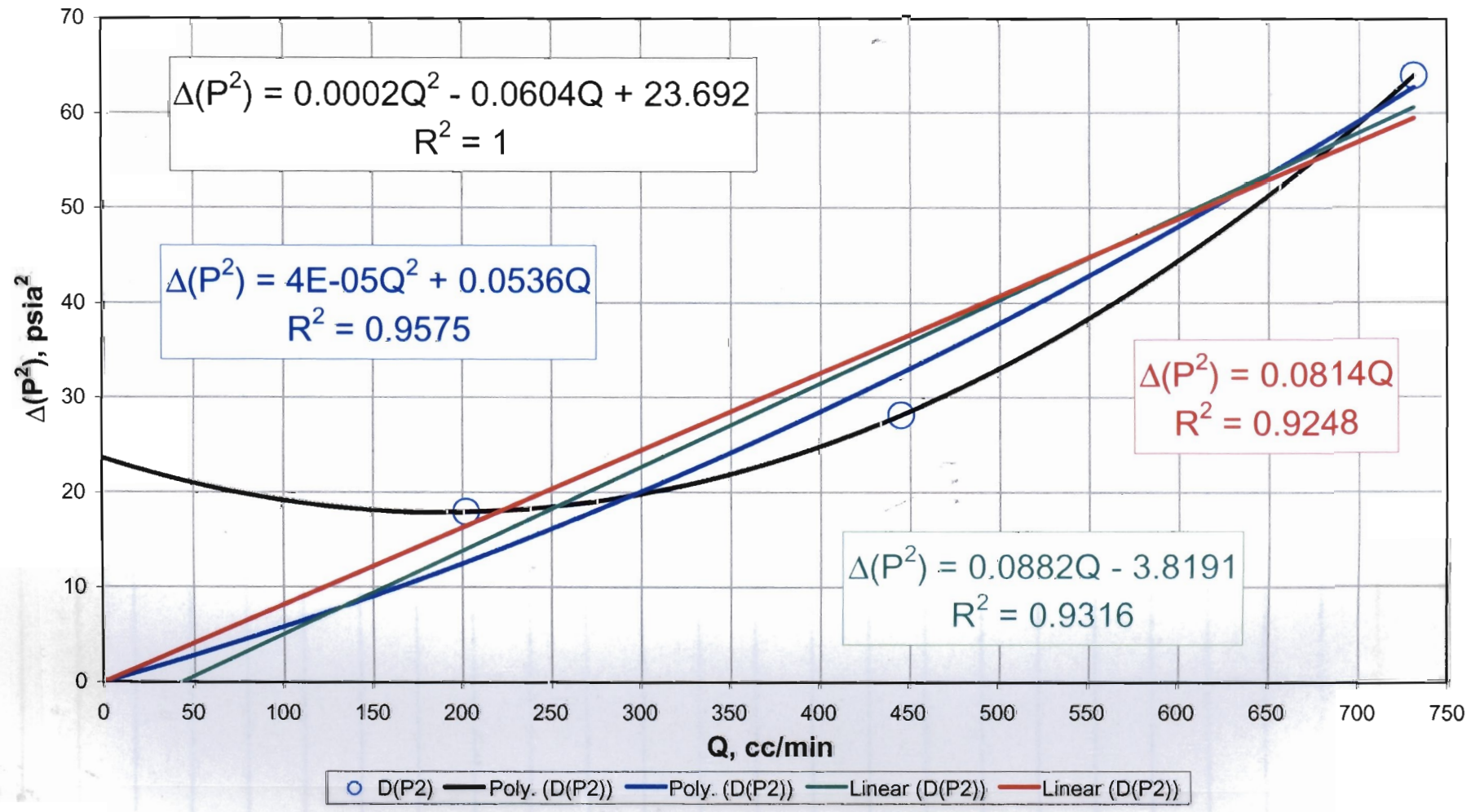
Log-Log plot of differential pressures squared vs. flowrate--used to identify the presence of high-velocity flow effects (when the slope is greater than unity)
V3 Transect: Drillhole 6



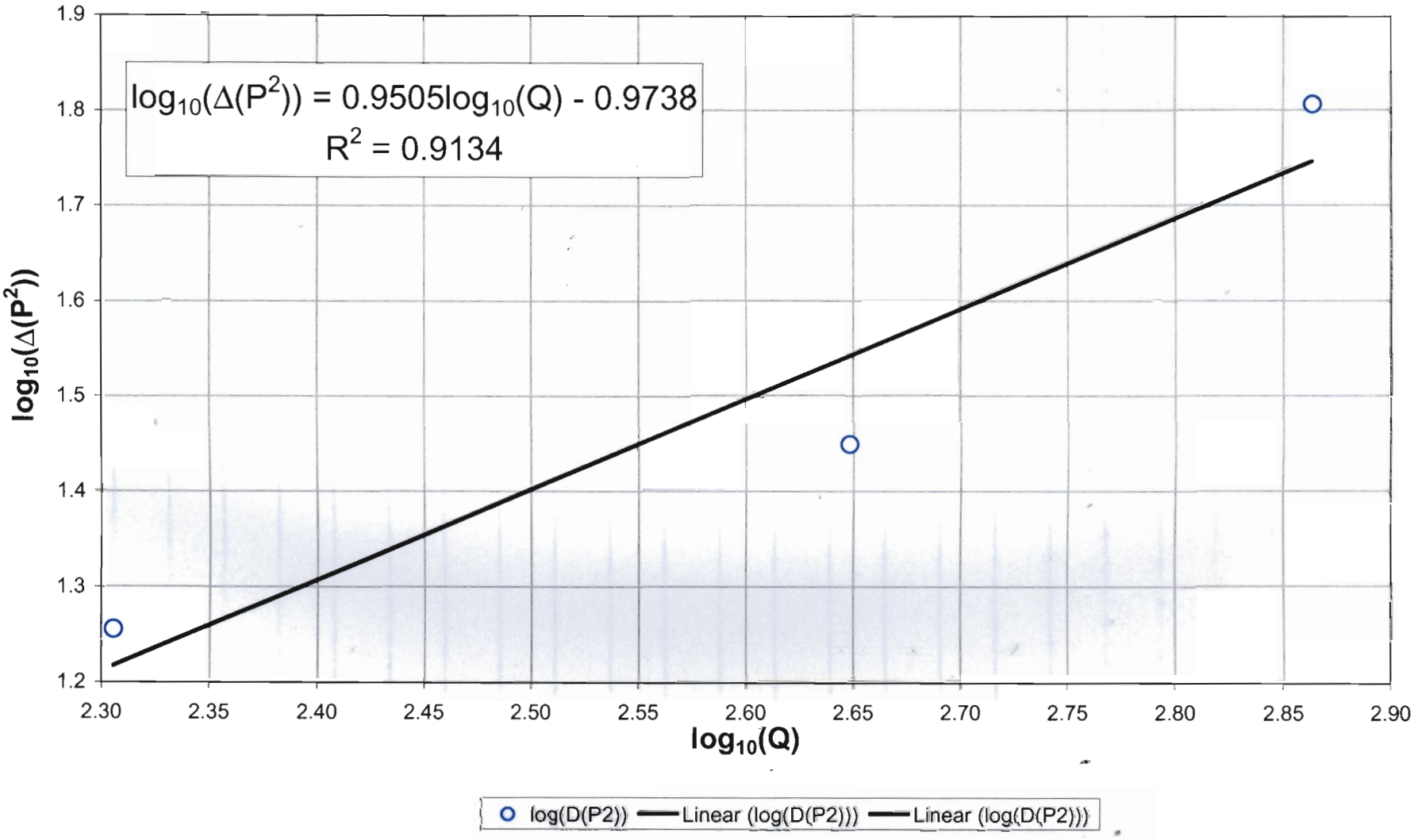
Final check for high velocity flow effects:
High velocity flow effects are present when the slope is non-zero and positive.
V3 Transect: Drillhole 6



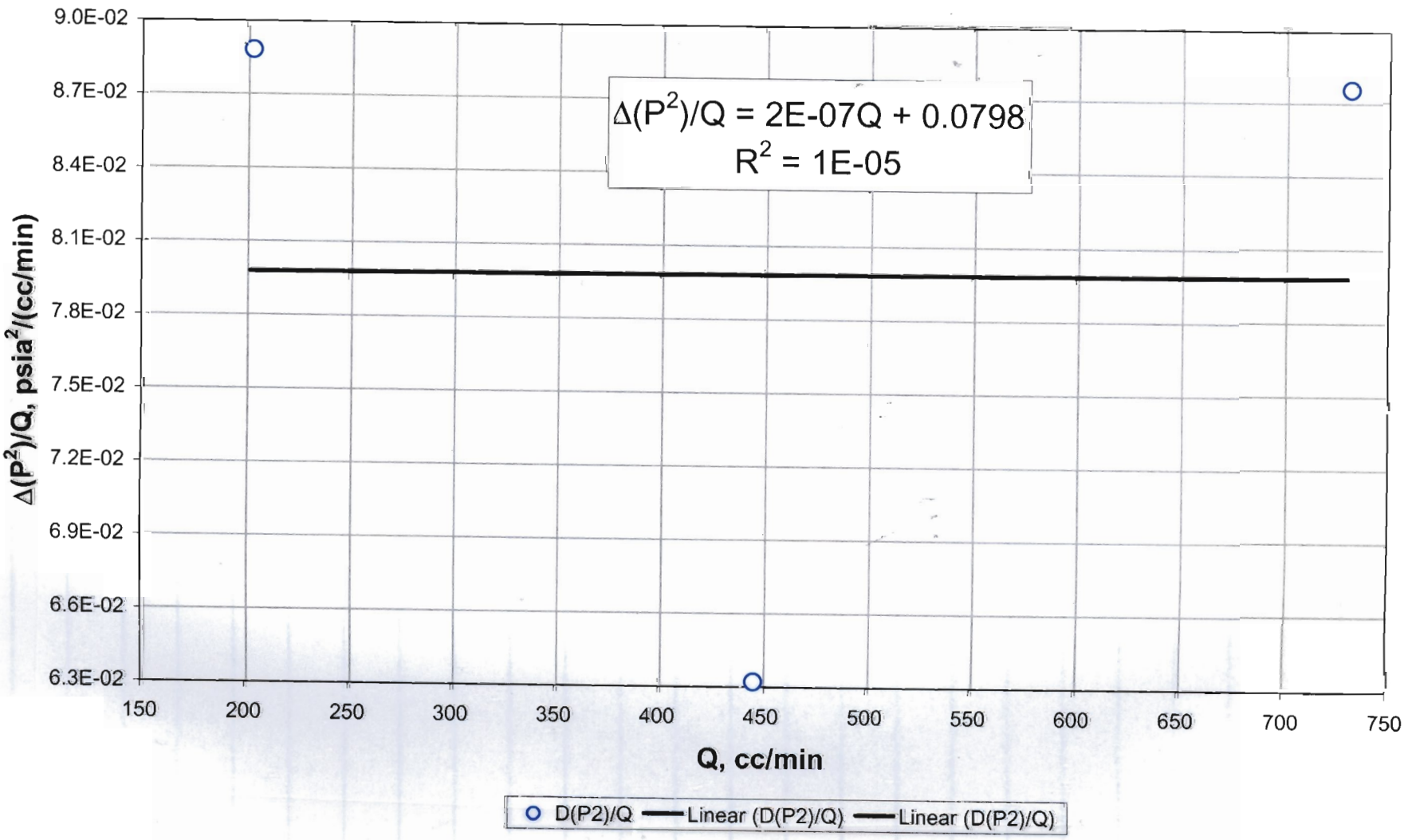
Relationship between steady-state differential pressures squared and flowrate:
If relationship is linear, with the ordinate intercept nearly zero,
there is no high velocity flow effect.
V3 Transect: Drillhole 7



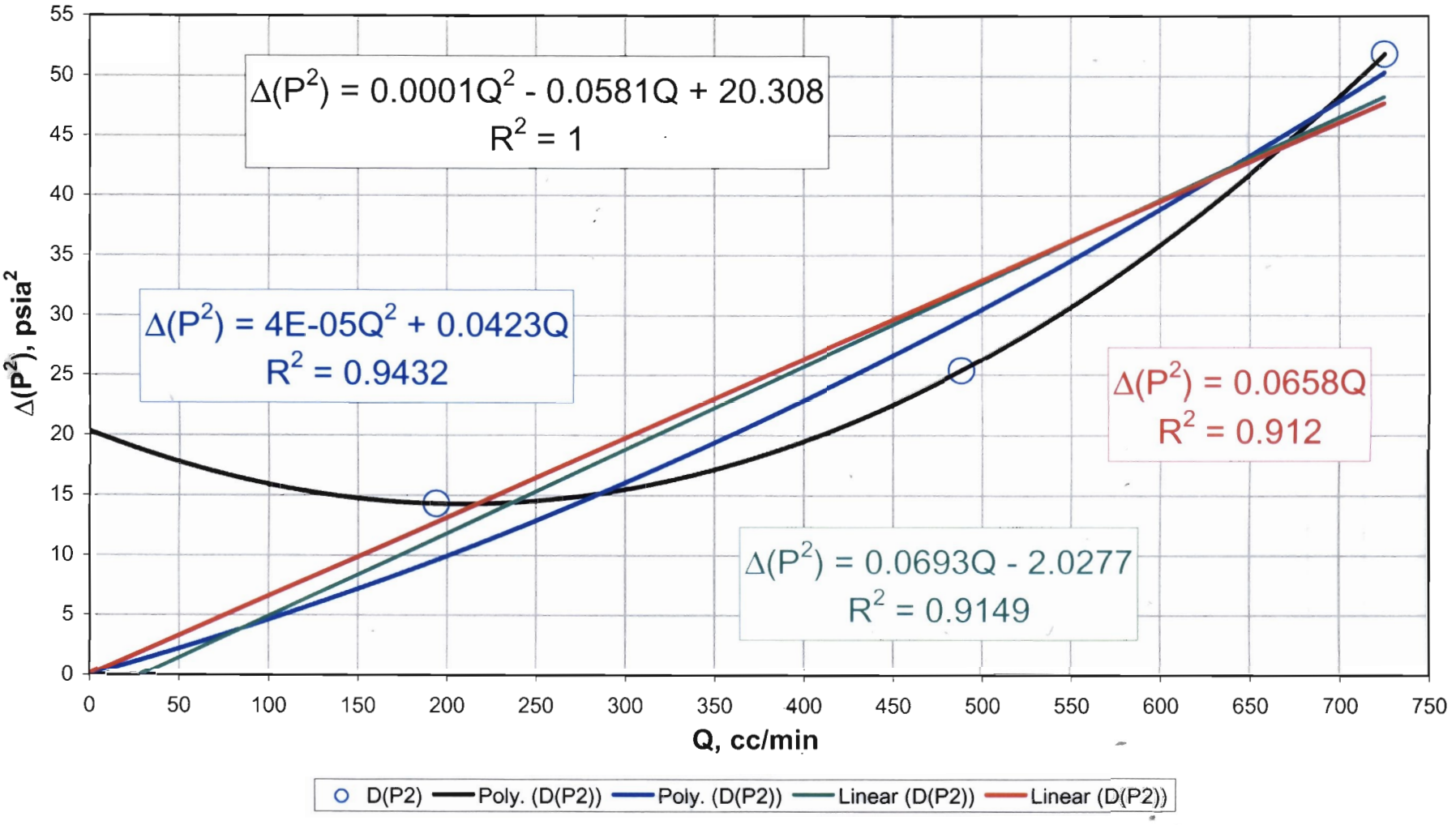
Log-Log plot of differential pressures squared vs. flowrate--used to identify the presence of high-velocity flow effects (when the slope is greater than unity)
V3 Transect: Drillhole 7



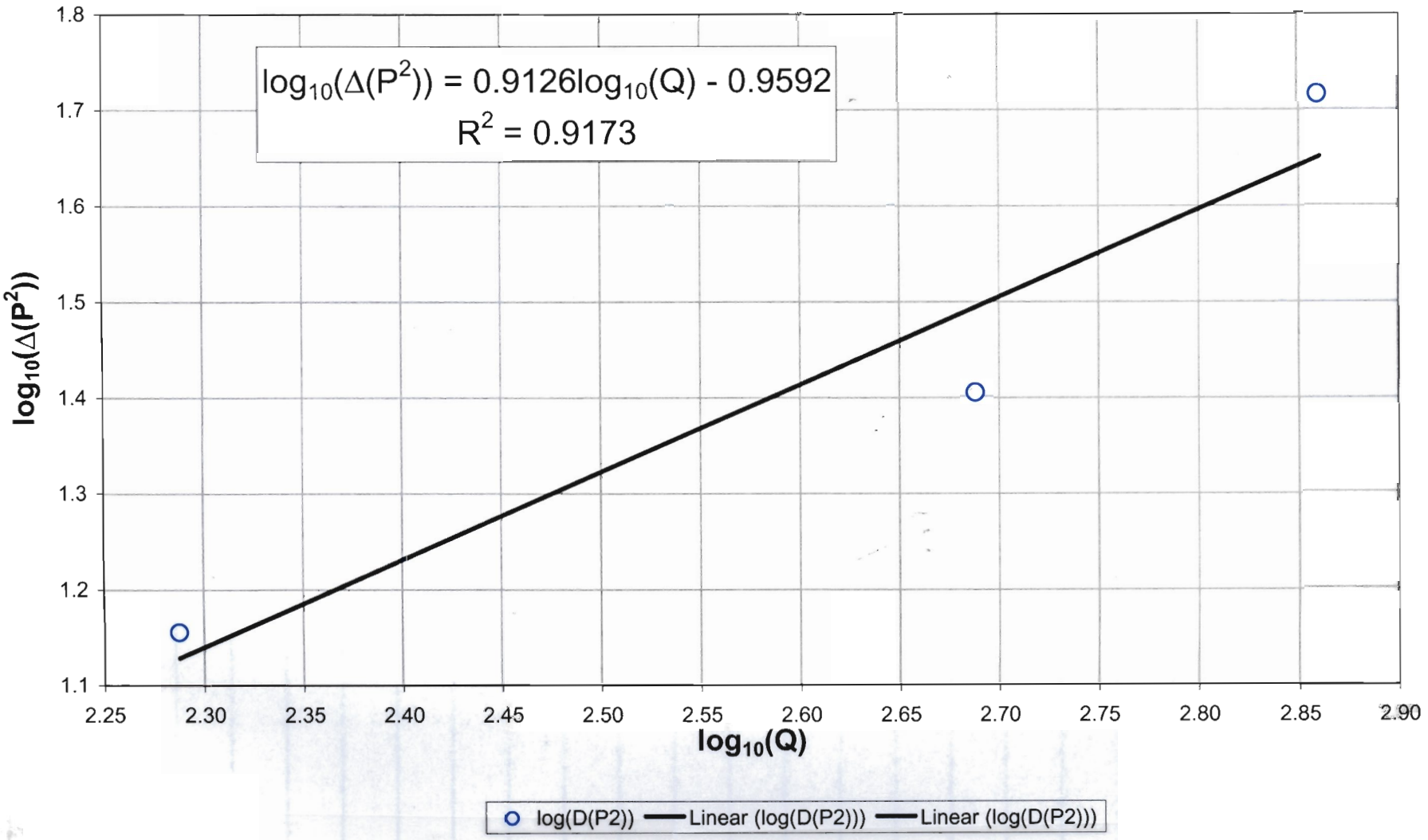
Final check for high velocity flow effects:
High velocity flow effects are present when the slope is non-zero and positive.
V3 Transect: Drillhole 7



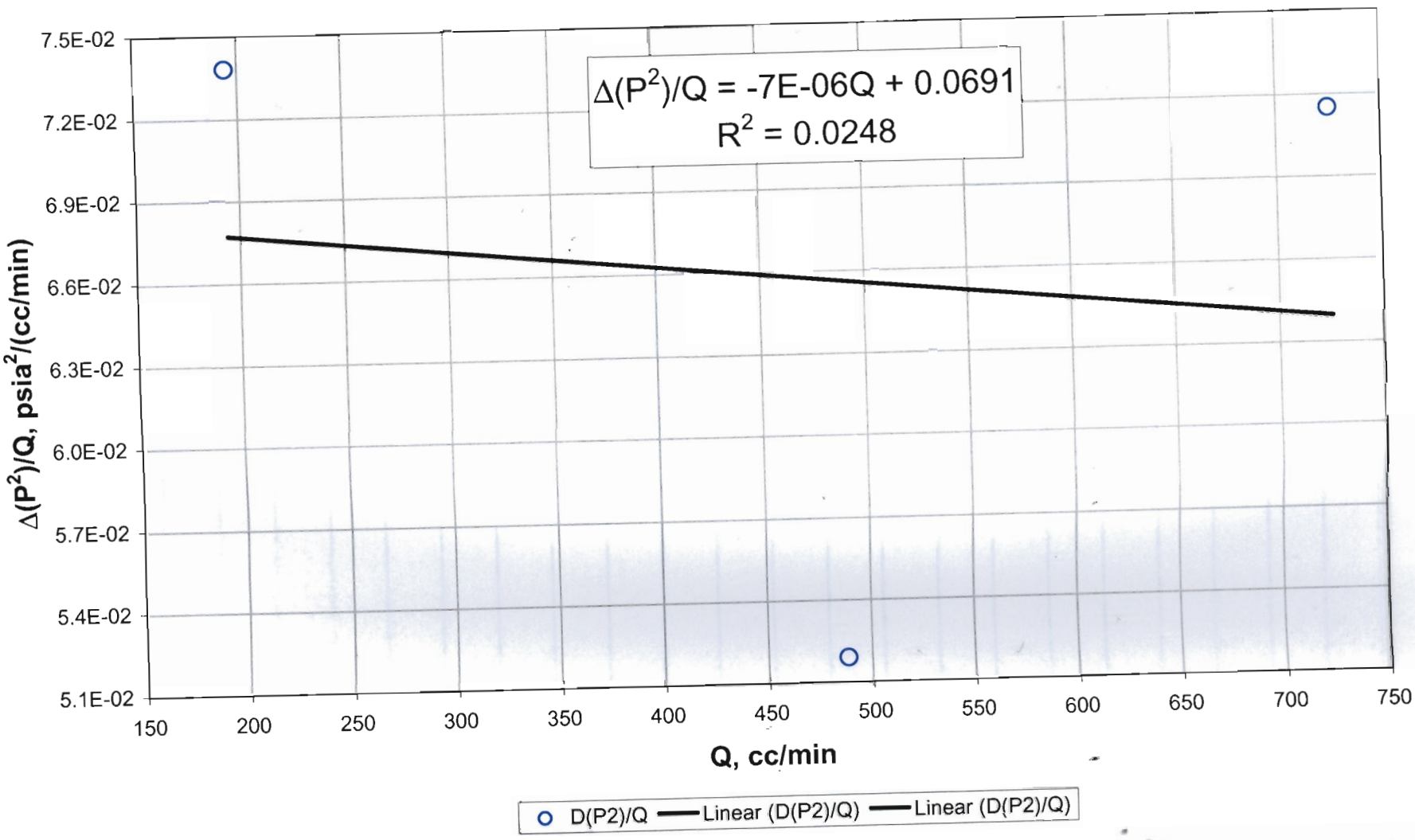
**Relationship between steady-state differential pressures squared and flowrate:
If relationship is linear, with the ordinate intercept nearly zero,
there is no high velocity flow effect.
V3 Transect: Drillhole 8**



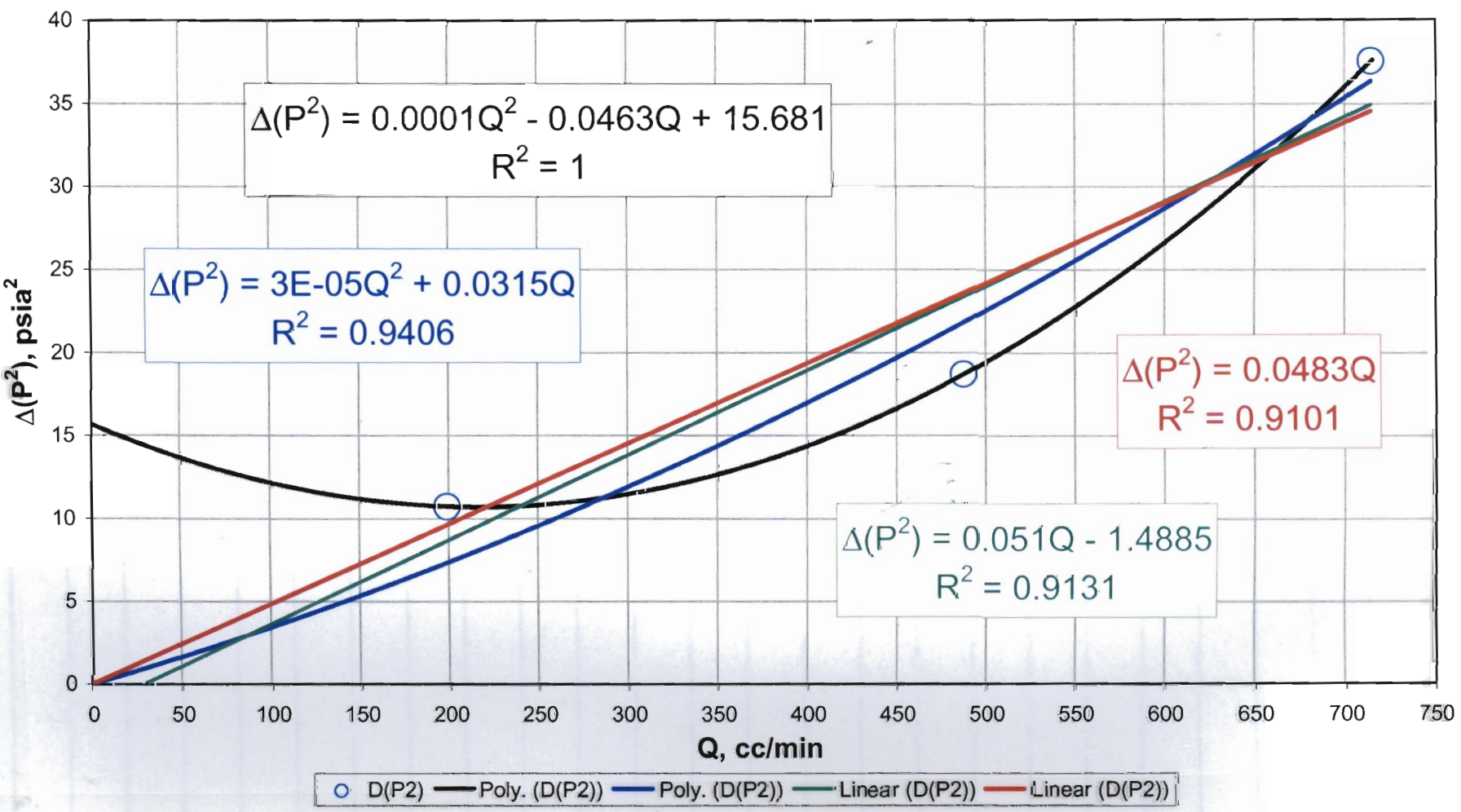
**Log-Log plot of differential pressures squared vs. flowrate--used to identify the presence of high-velocity flow effects (when the slope is greater than unity)
V3 Transect: Drillhole 8**



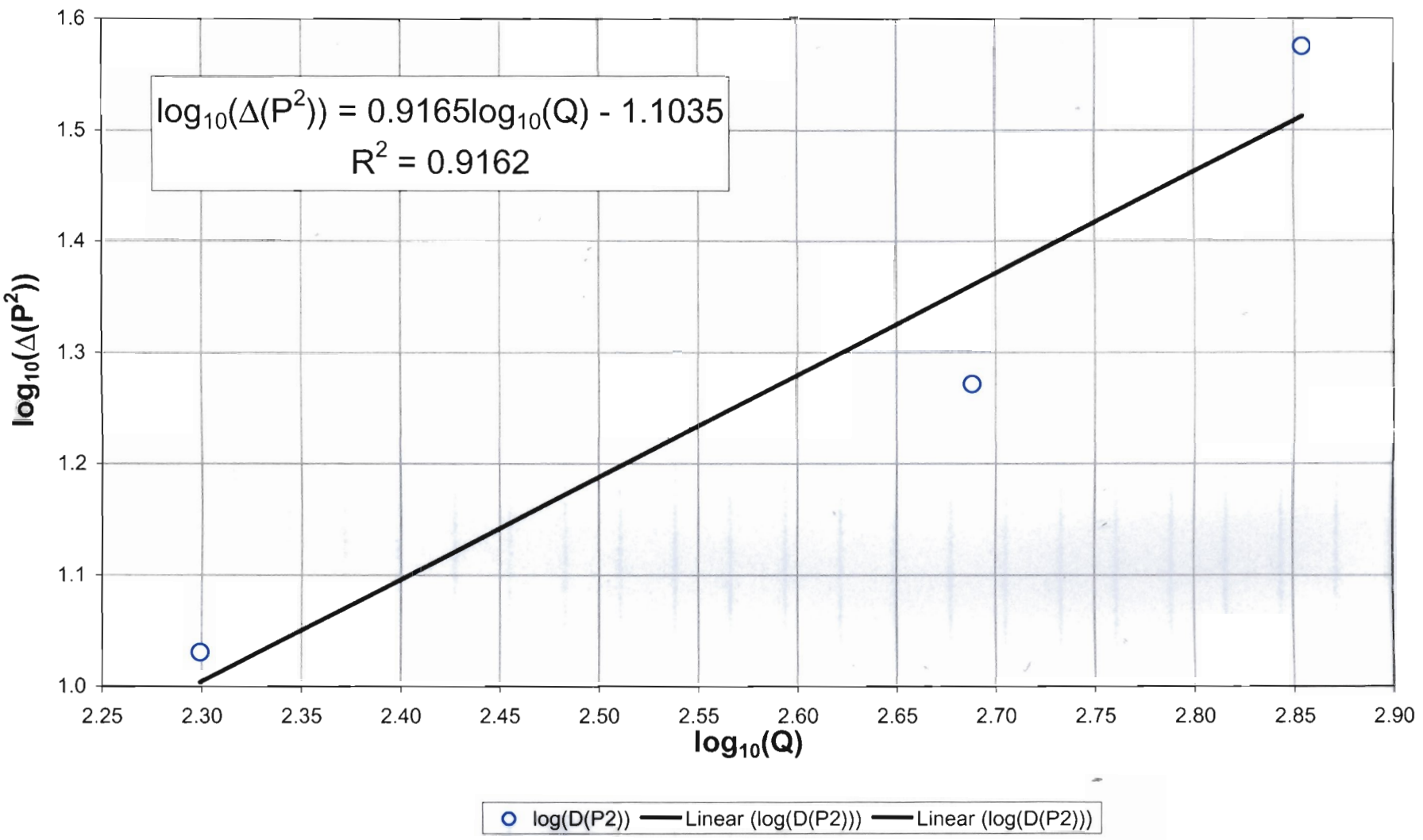
Final check for high velocity flow effects:
High velocity flow effects are present when the slope is non-zero and positive.
V3 Transect: Drillhole 8



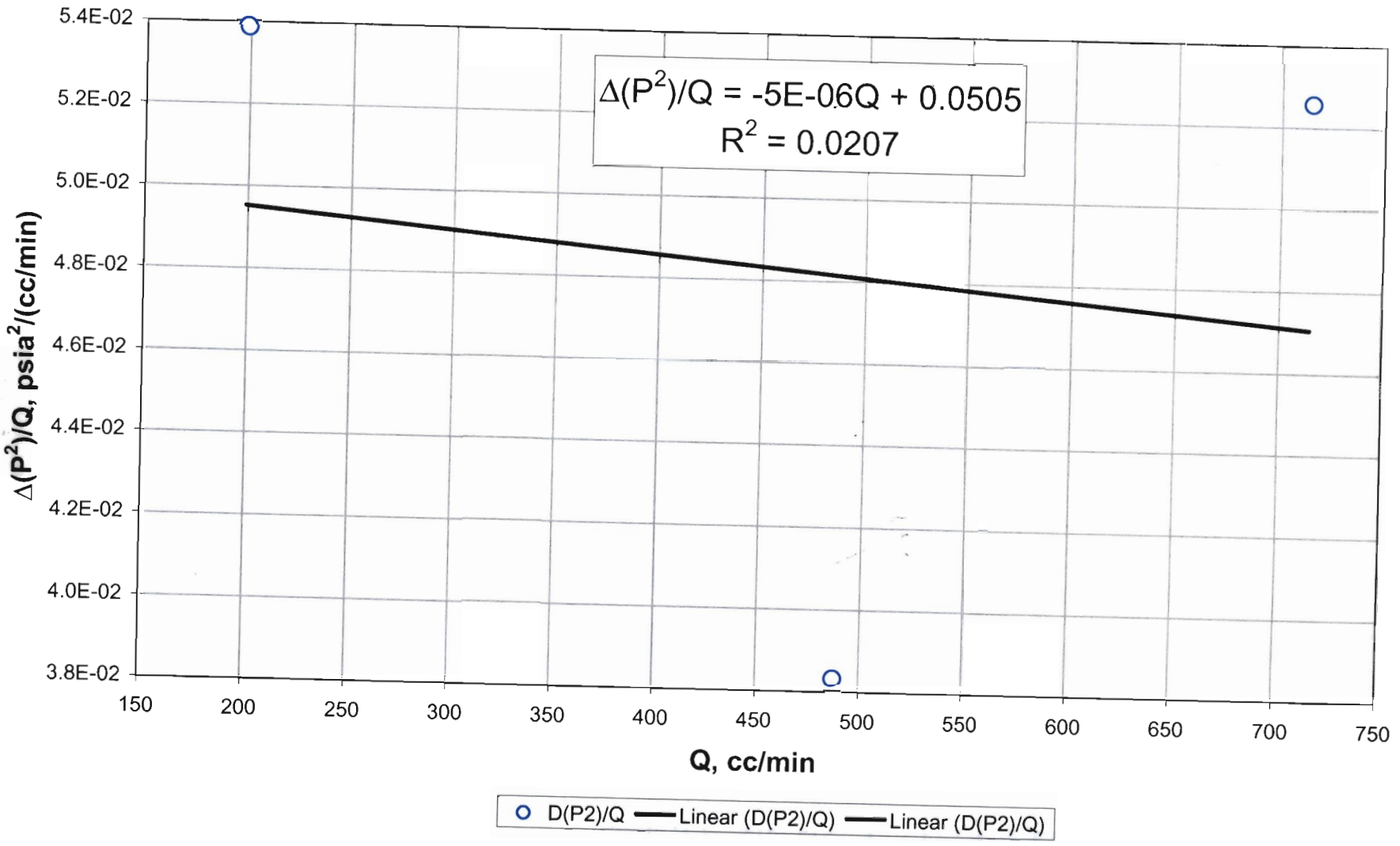
Relationship between steady-state differential pressures squared and flowrate:
If relationship is linear, with the ordinate intercept nearly zero,
there is no high velocity flow effect.
V3 Transect: Drillhole 9



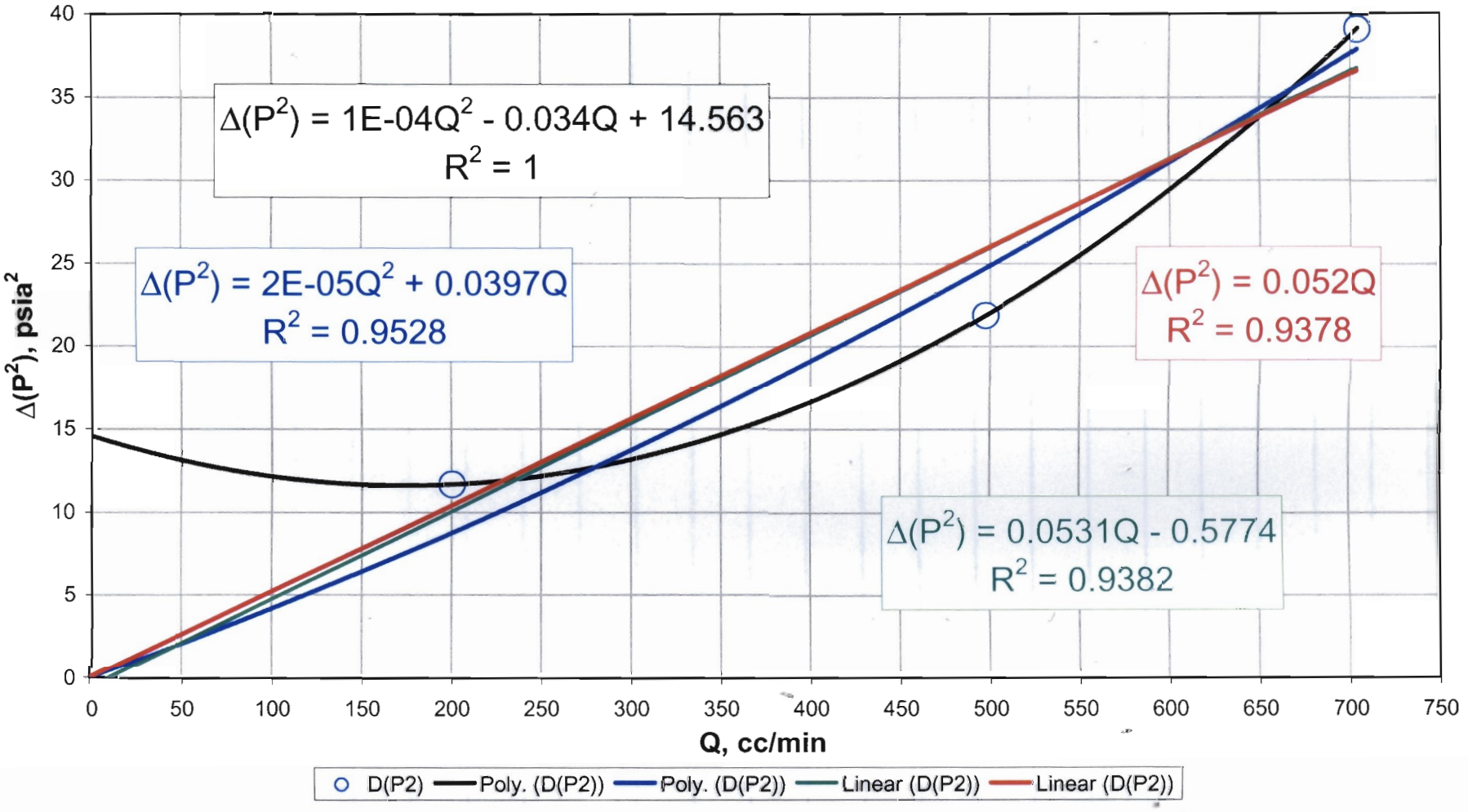
Log-Log plot of differential pressures squared vs. flowrate--used to identify the presence of high-velocity flow effects (when the slope is greater than unity)
V3 Transect: Drillhole 9



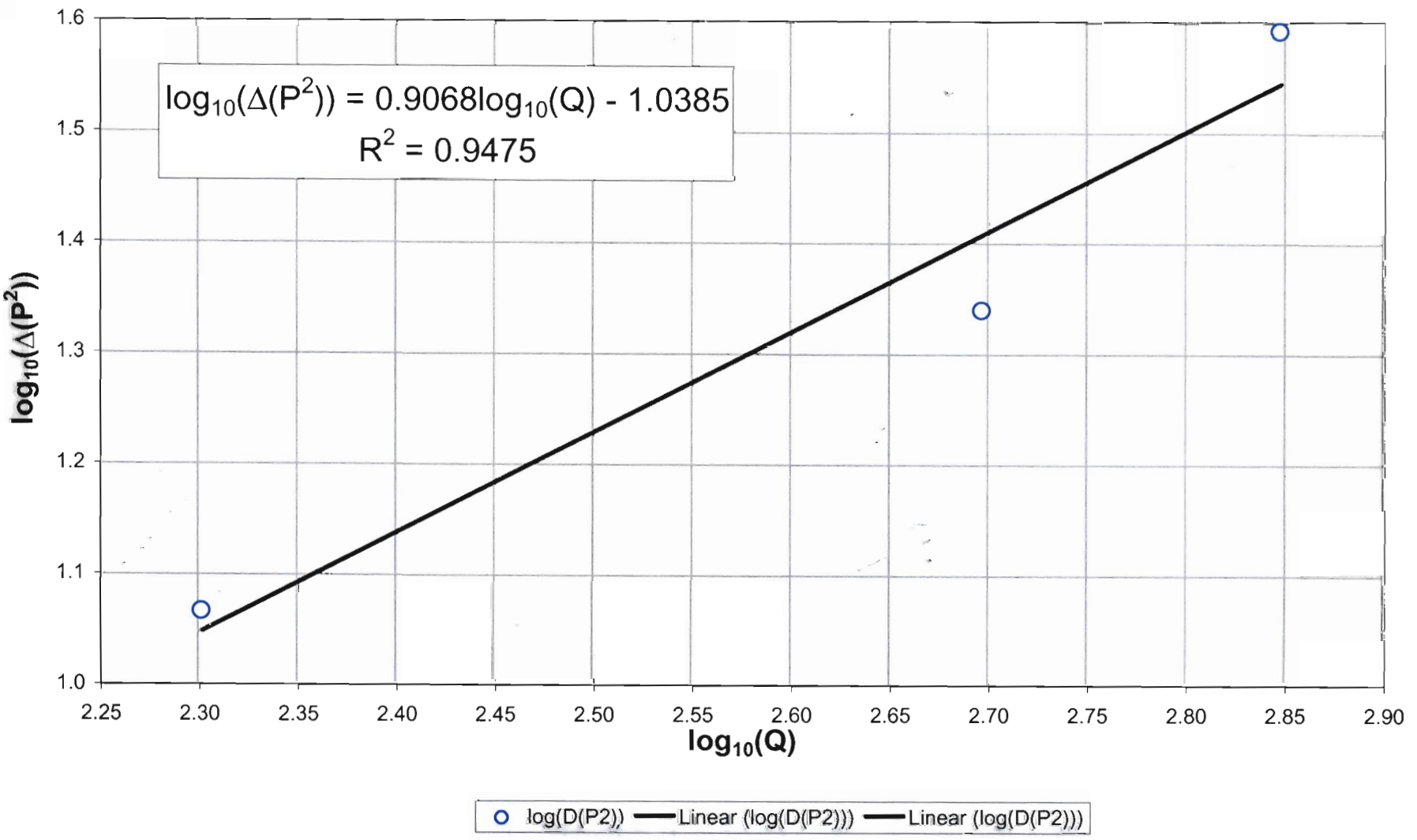
Final check for high velocity flow effects:
High velocity flow effects are present when the slope is non-zero and positive.
V3 Transect: Drillhole 9



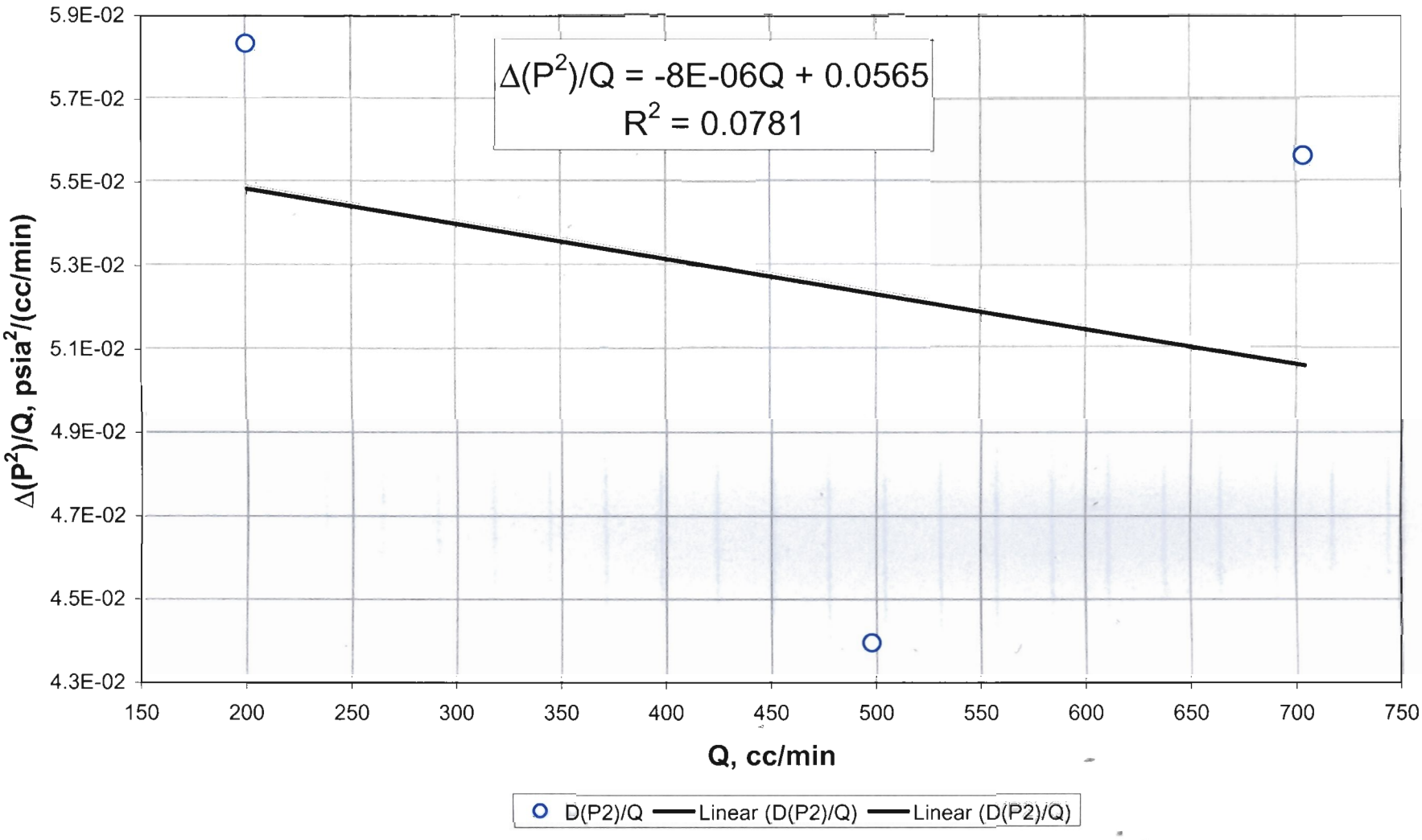
**Relationship between steady-state differential pressures squared and flowrate:
If relationship is linear, with the ordinate intercept nearly zero,
there is no high velocity flow effect.
V3 Transect: Drillhole 10**



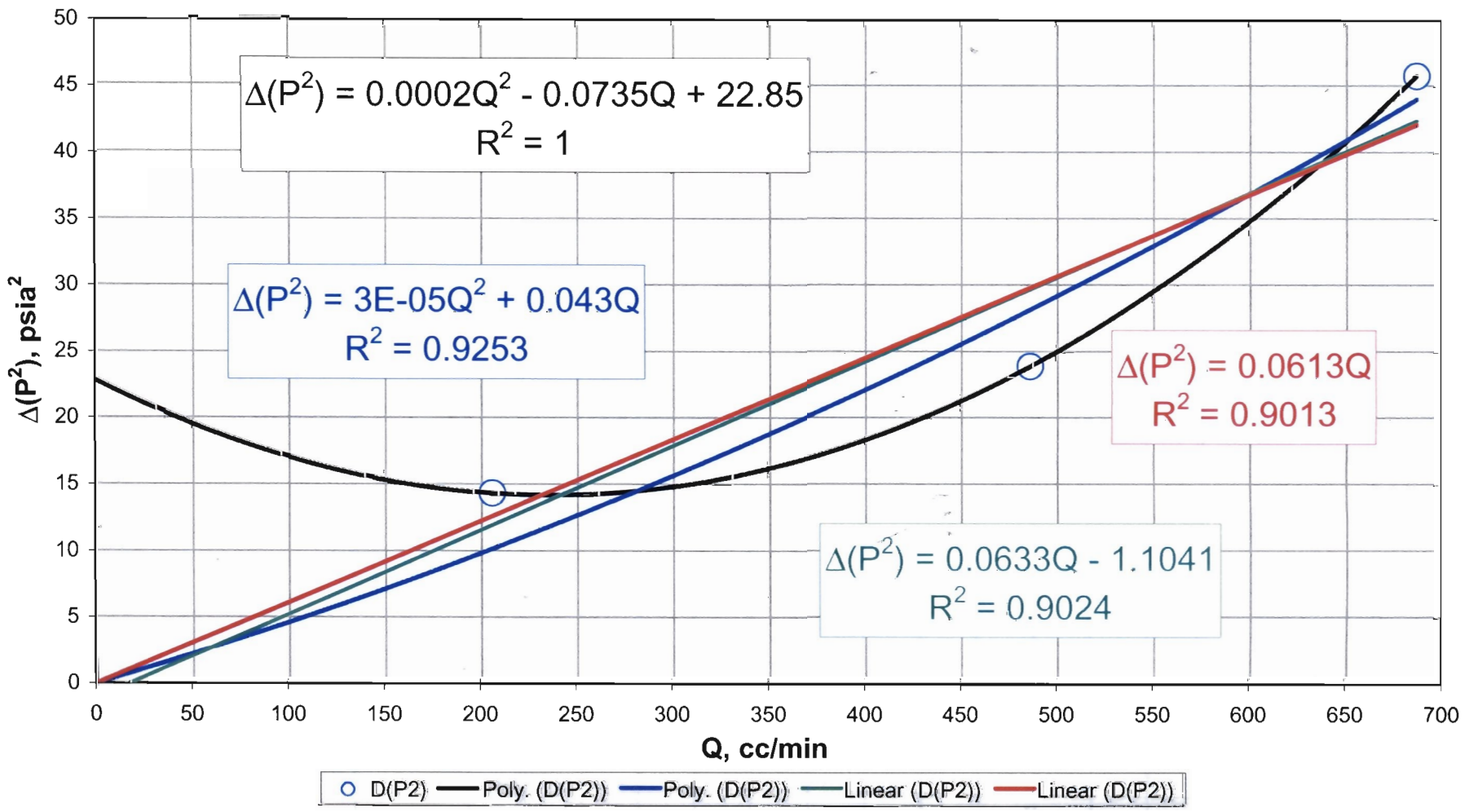
**Log-Log plot of differential pressures squared vs. flowrate--used to identify the presence of high-velocity flow effects (when the slope is greater than unity)
V3 Transect: Drillhole 10**



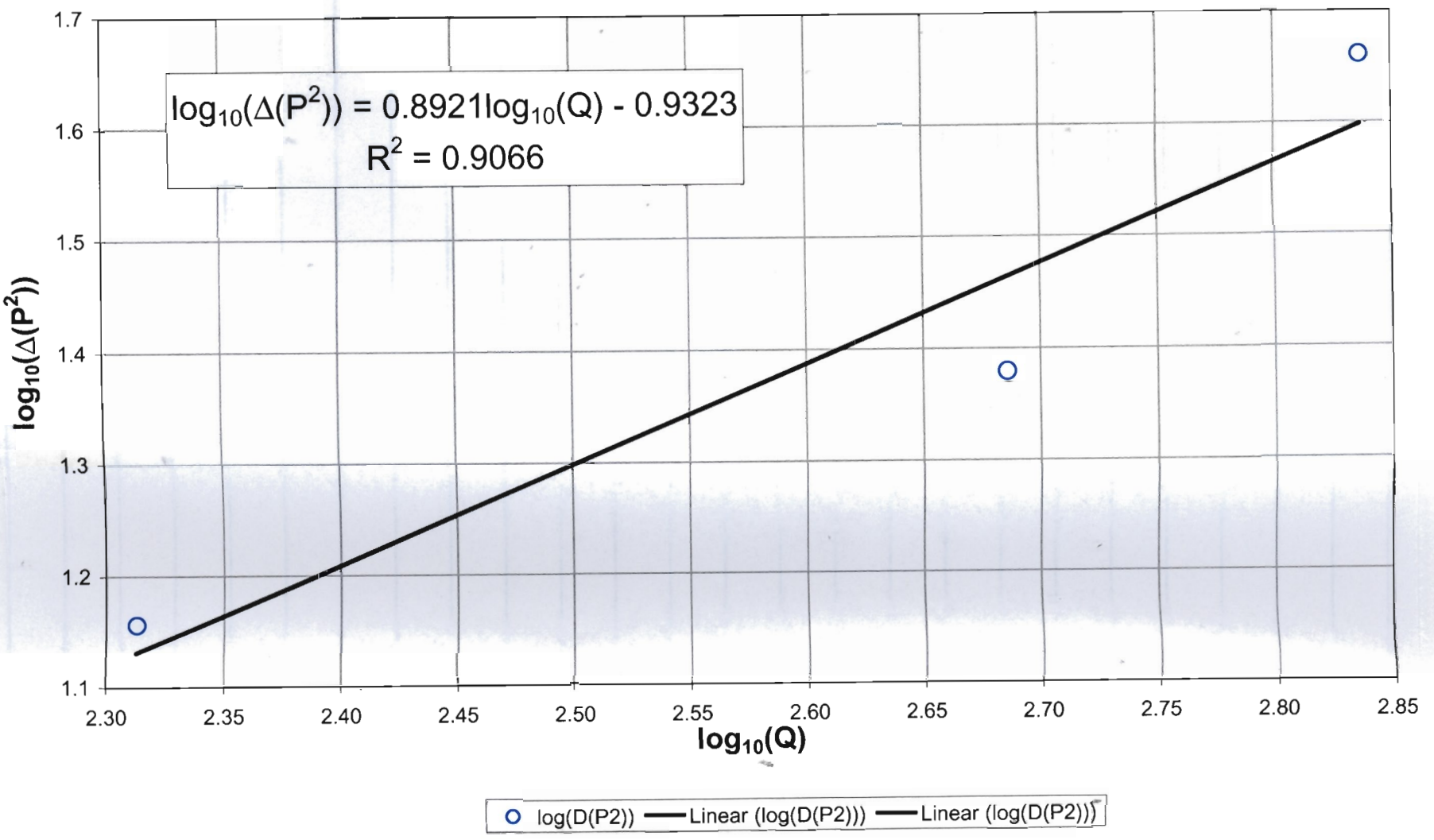
Final check for high velocity flow effects:
High velocity flow effects are present when the slope is non-zero and positive.
V3 Transect: Drillhole 10



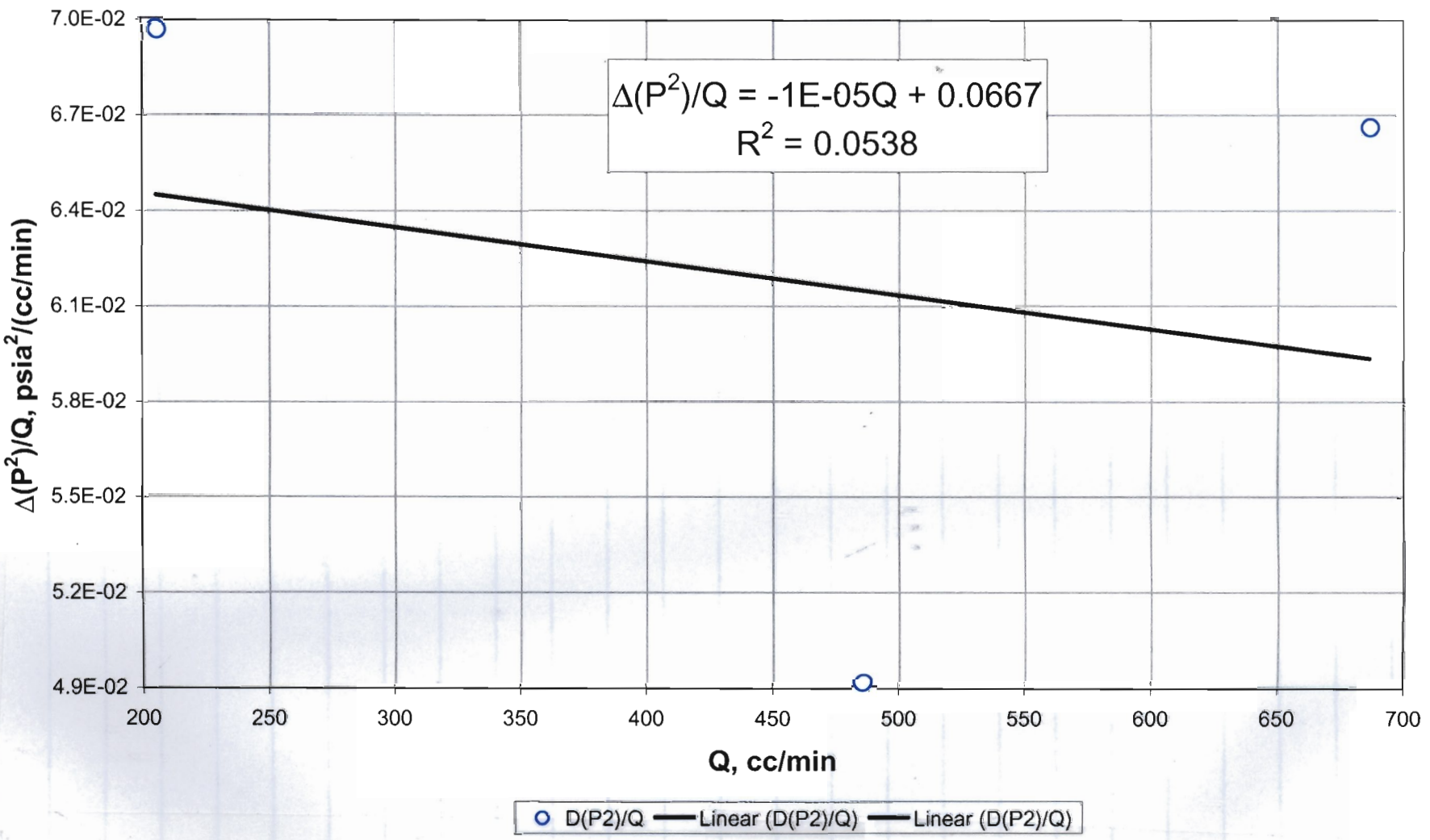
Relationship between steady-state differential pressures squared and flowrate:
If relationship is linear, with the ordinate intercept nearly zero,
there is no high velocity flow effect.
V3 Transect: Drillhole 11



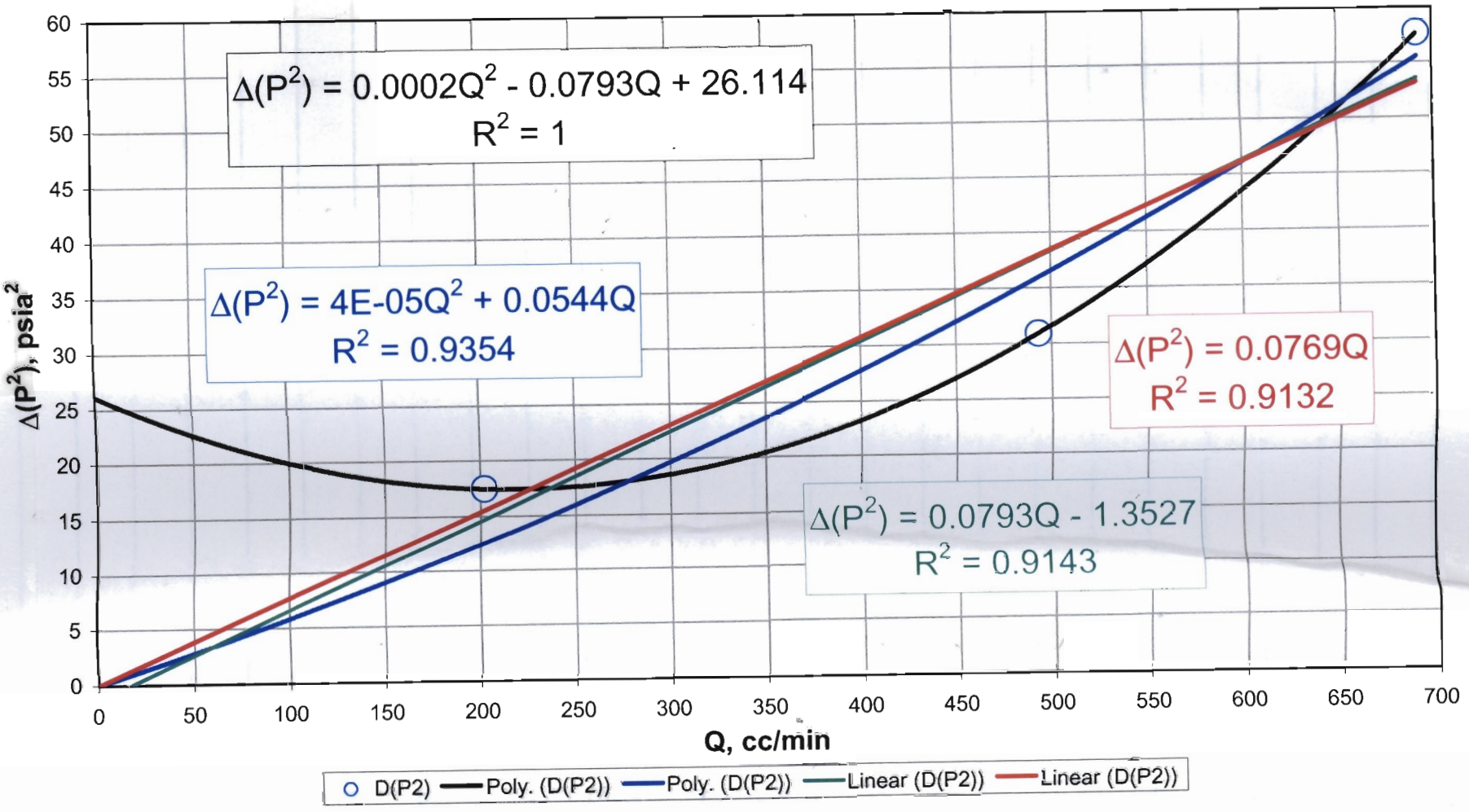
Log-Log plot of differential pressures squared vs. flowrate--used to identify the presence of high-velocity flow effects (when the slope is greater than unity)
V3 Transect: Drillhole 11



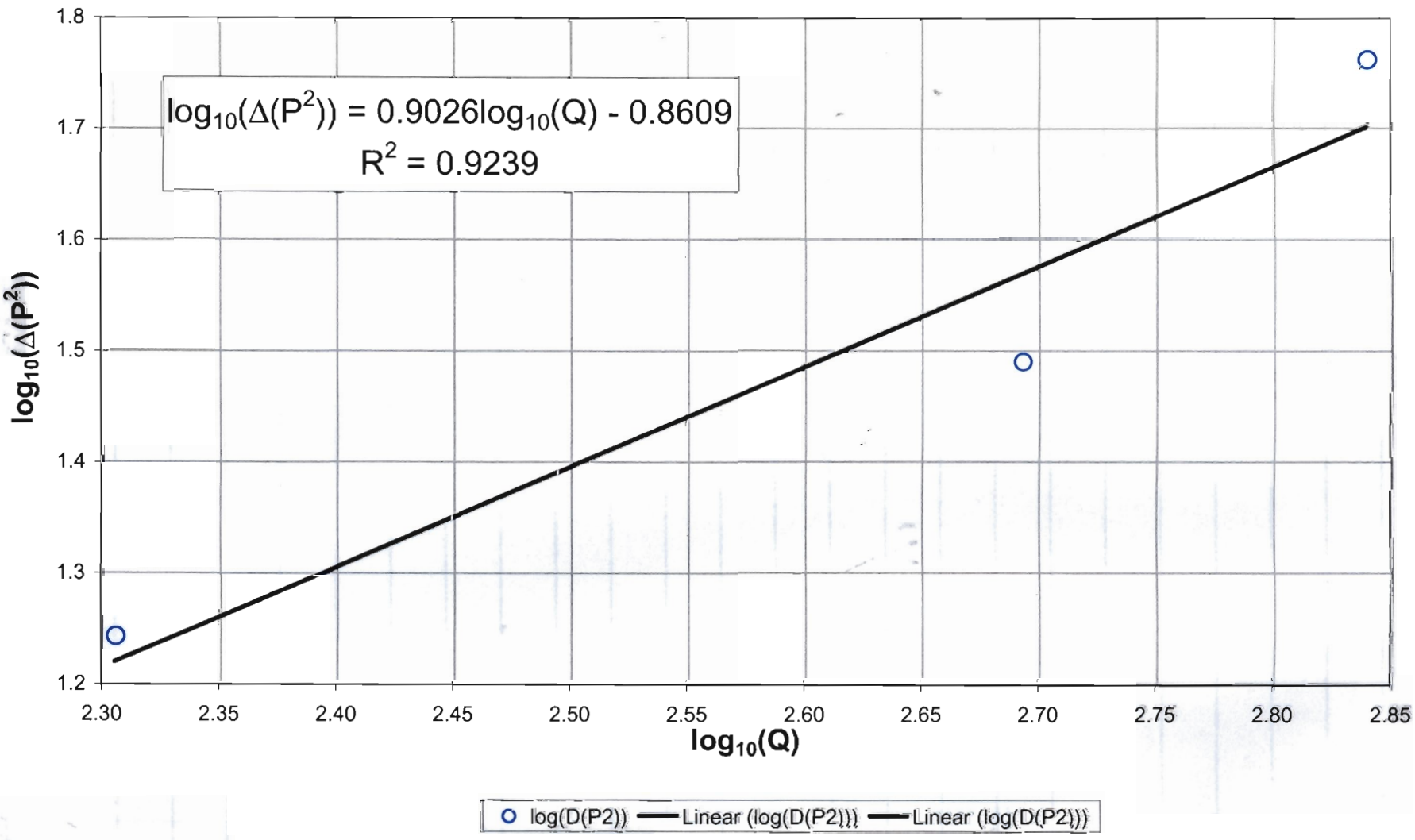
Final check for high velocity flow effects:
High velocity flow effects are present when the slope is non-zero and positive.
V3 Transect: Drillhole 11



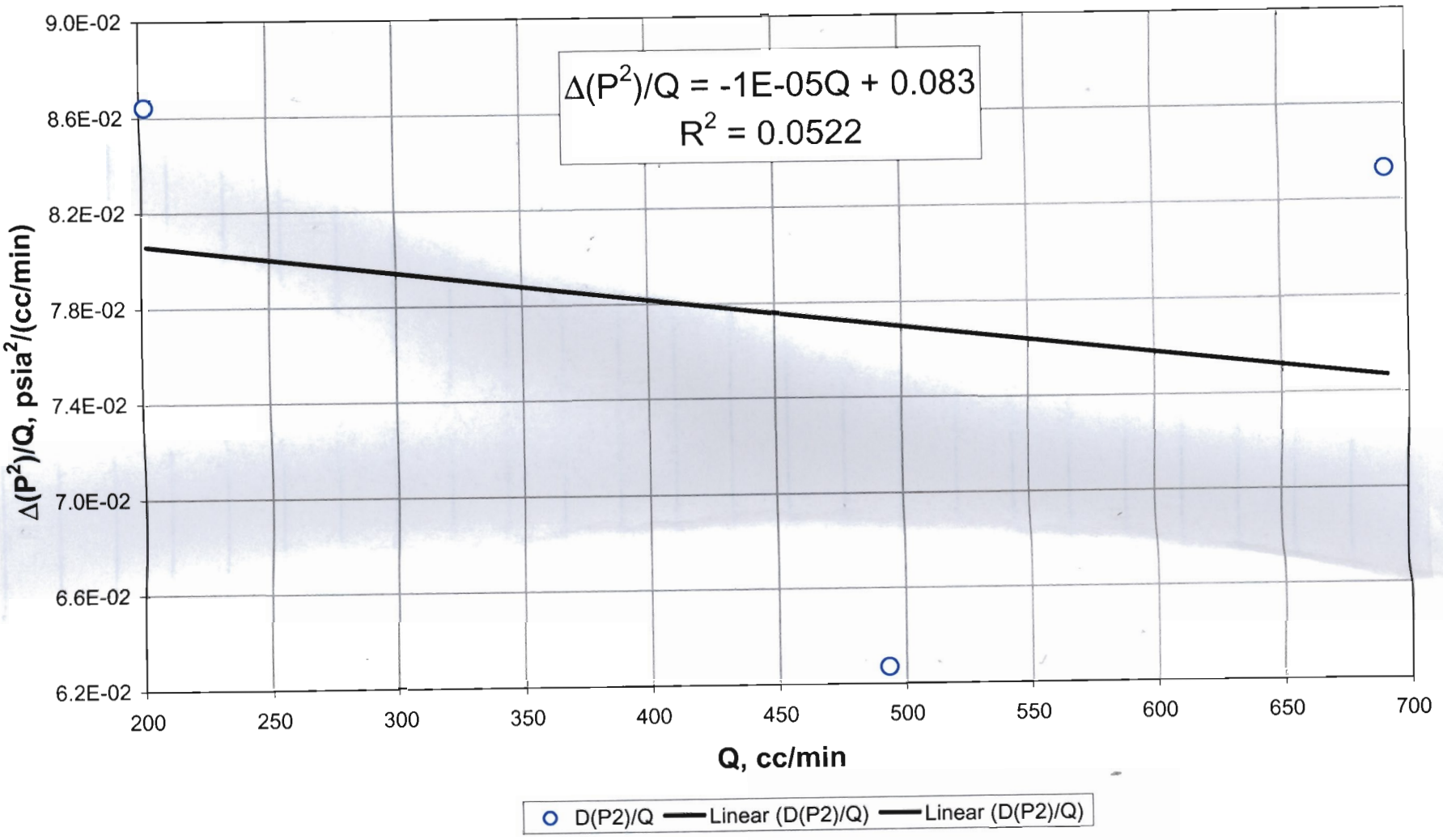
Relationship between steady-state differential pressures squared and flowrate:
If relationship is linear, with the ordinate intercept nearly zero,
there is no high velocity flow effect.
V3 Transect: Drillhole 12



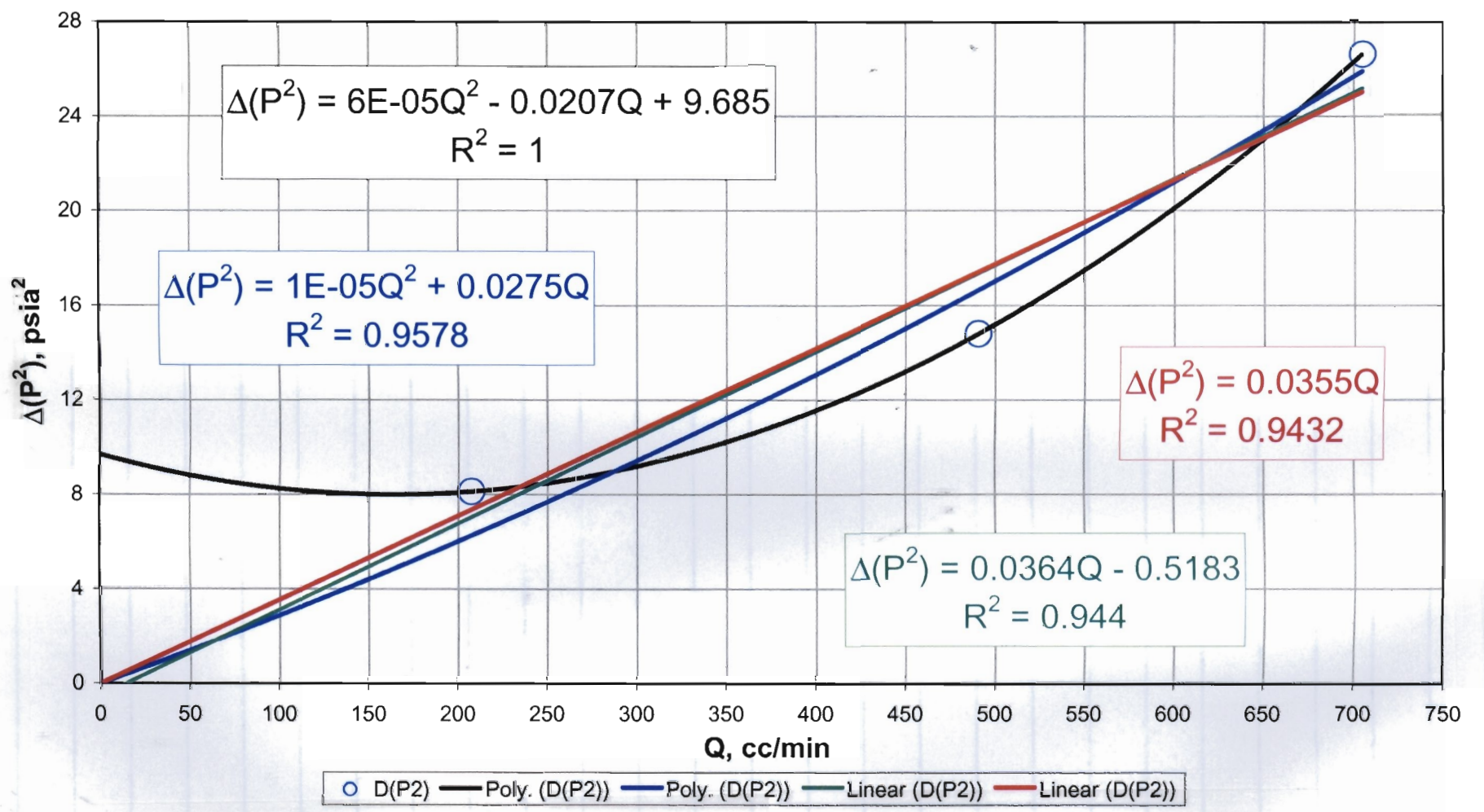
Log-Log plot of differential pressures squared vs. flowrate--used to identify the presence of high-velocity flow effects (when the slope is greater than unity)
V3 Transect: Drillhole 12



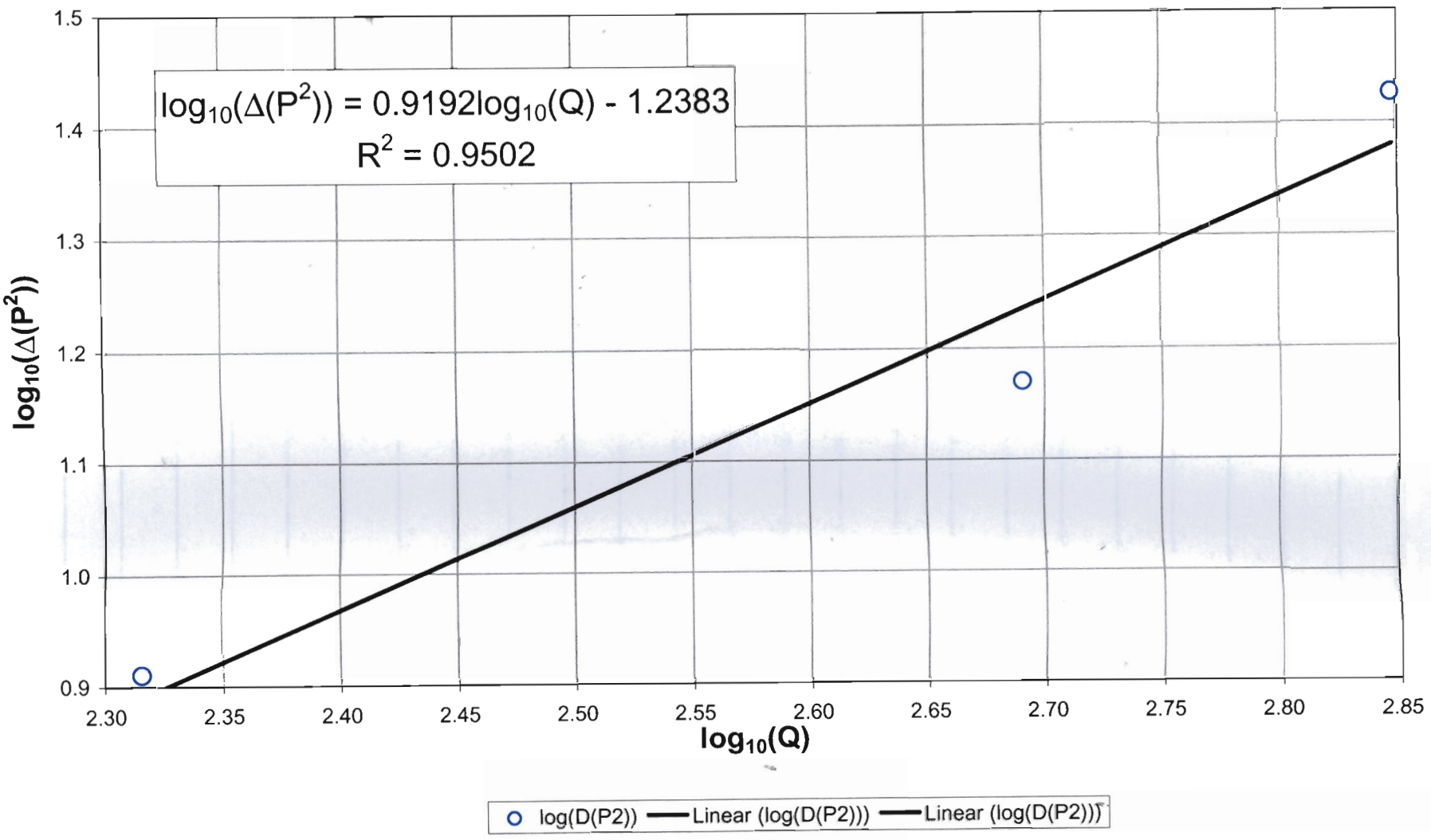
Final check for high velocity flow effects:
High velocity flow effects are present when the slope is non-zero and positive.
V3 Transect: Drillhole 12



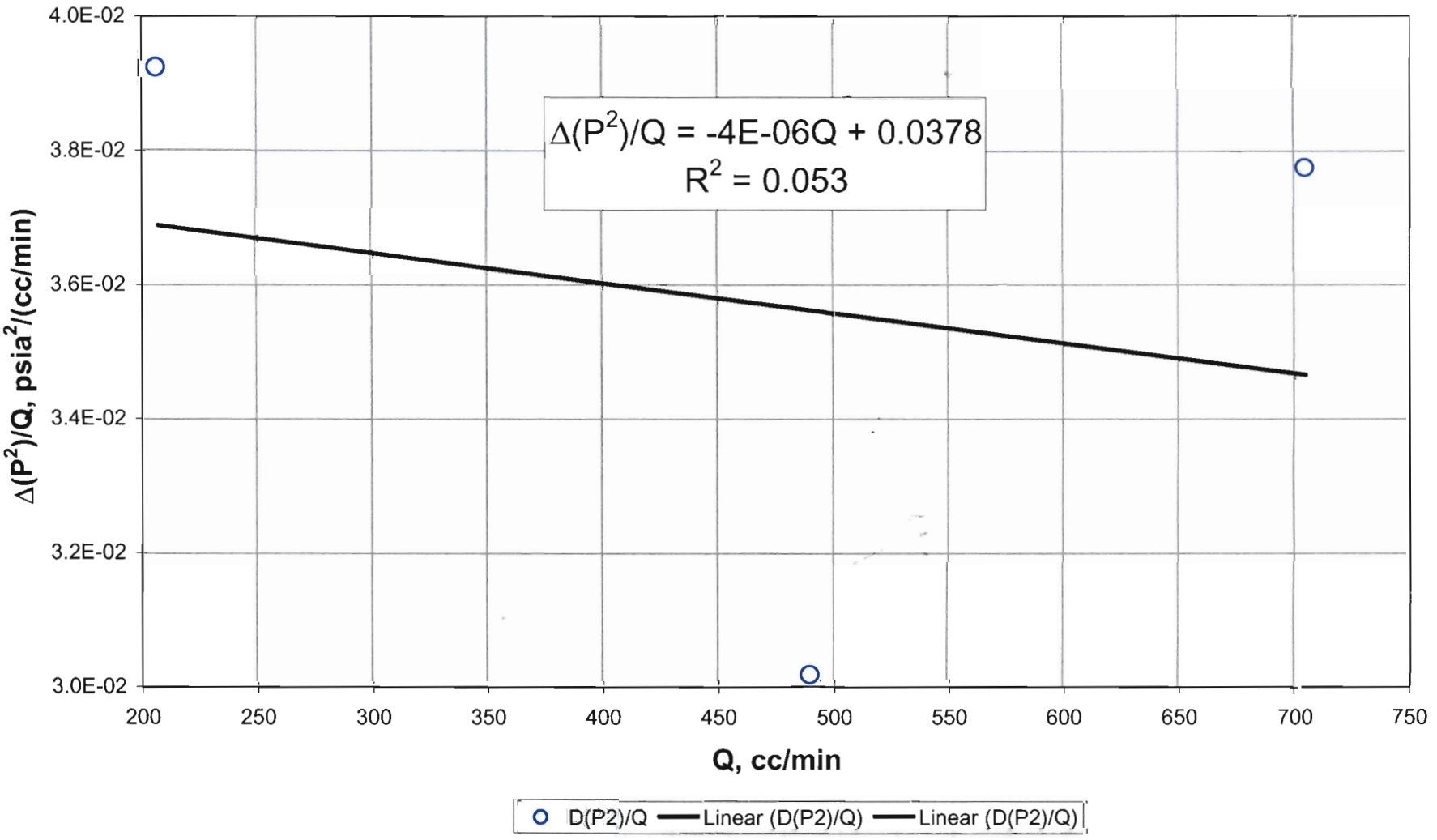
Relationship between steady-state differential pressures squared and flowrate:
If relationship is linear, with the ordinate intercept nearly zero,
there is no high velocity flow effect.
V3 Transect: Drillhole 13



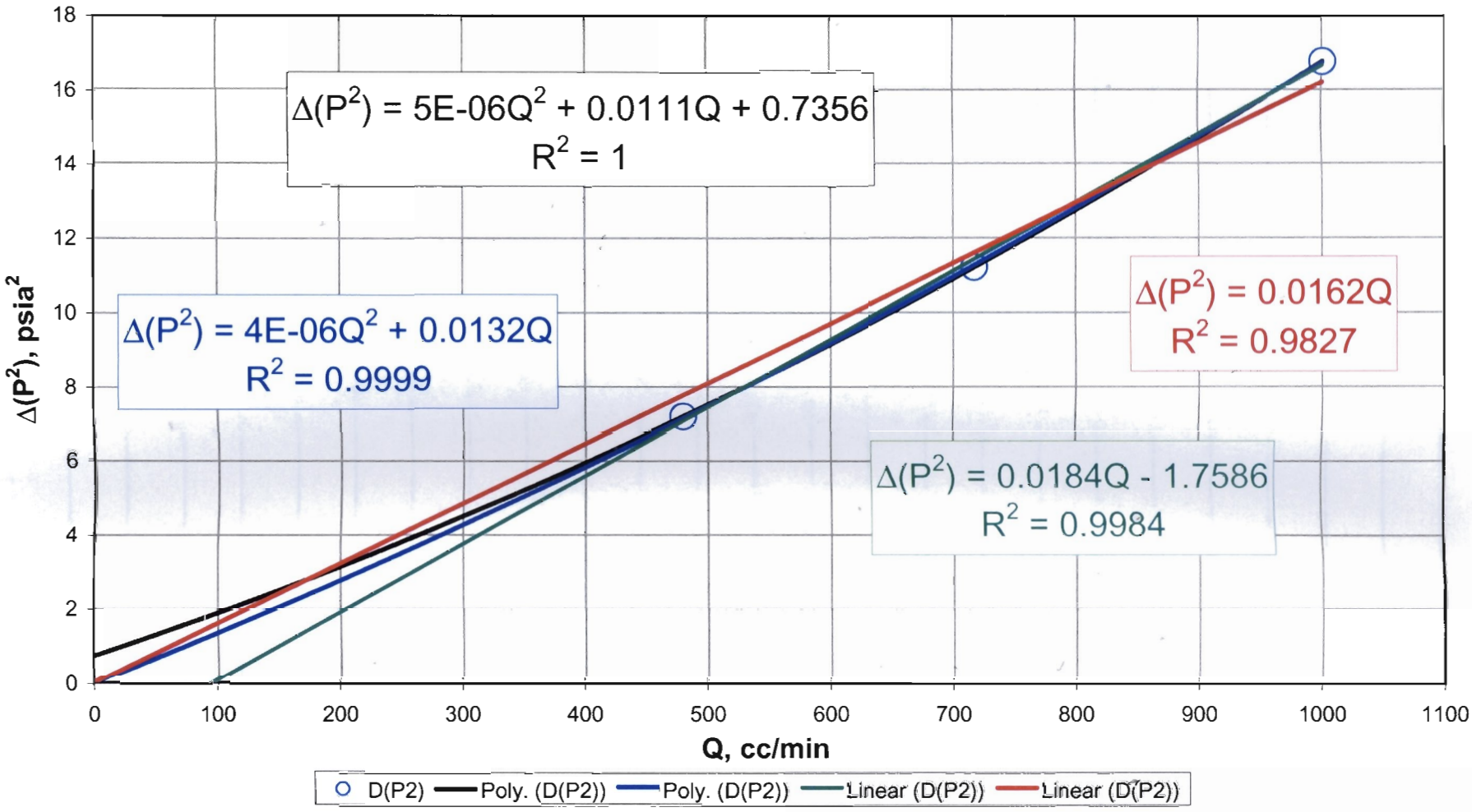
Log-Log plot of differential pressures squared vs. flowrate--used to identify the presence of high-velocity flow effects (when the slope is greater than unity)
V3 Transect: Drillhole 13



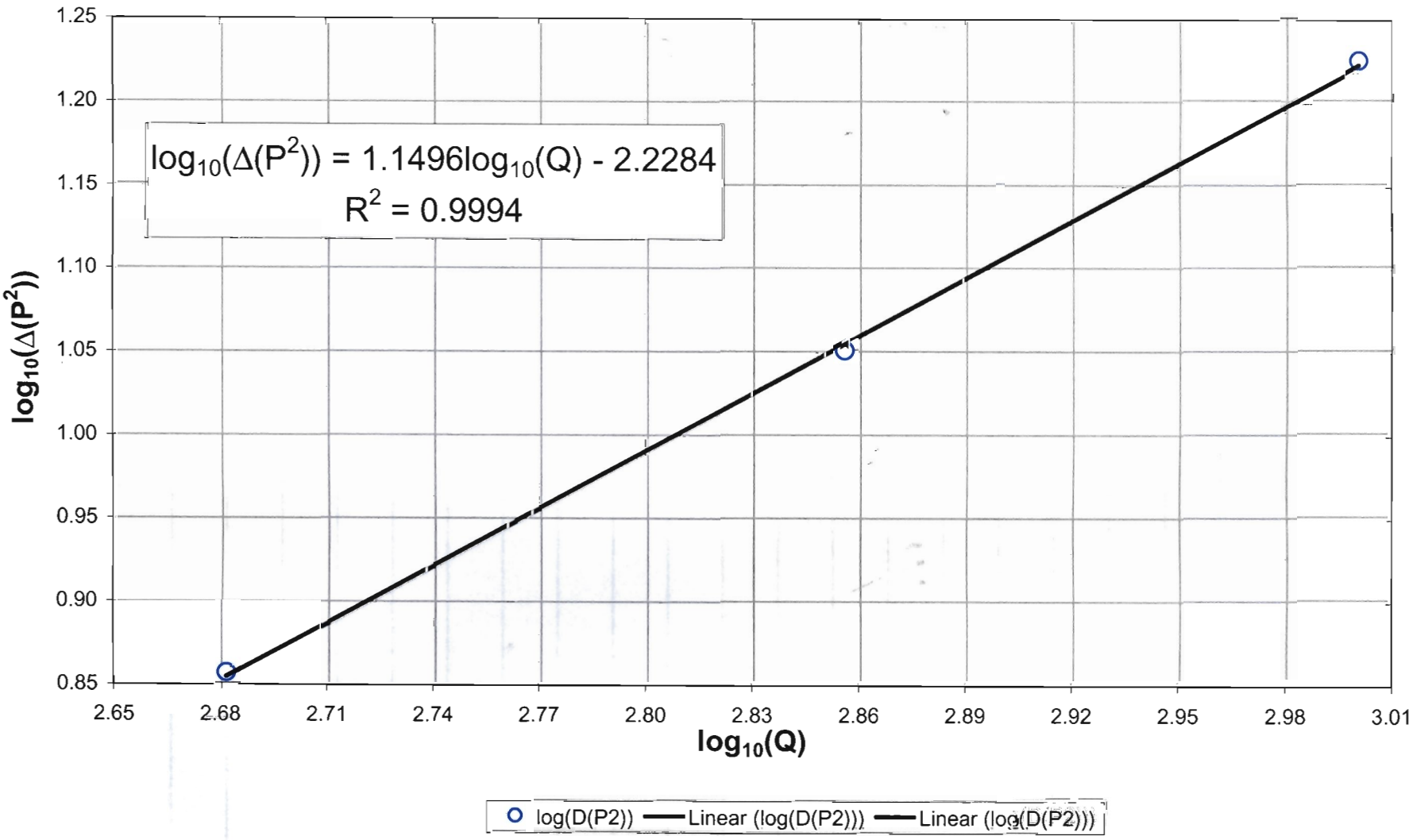
Final check for high velocity flow effects:
High velocity flow effects are present when the slope is non-zero and positive.
V3 Transect: Drillhole 13



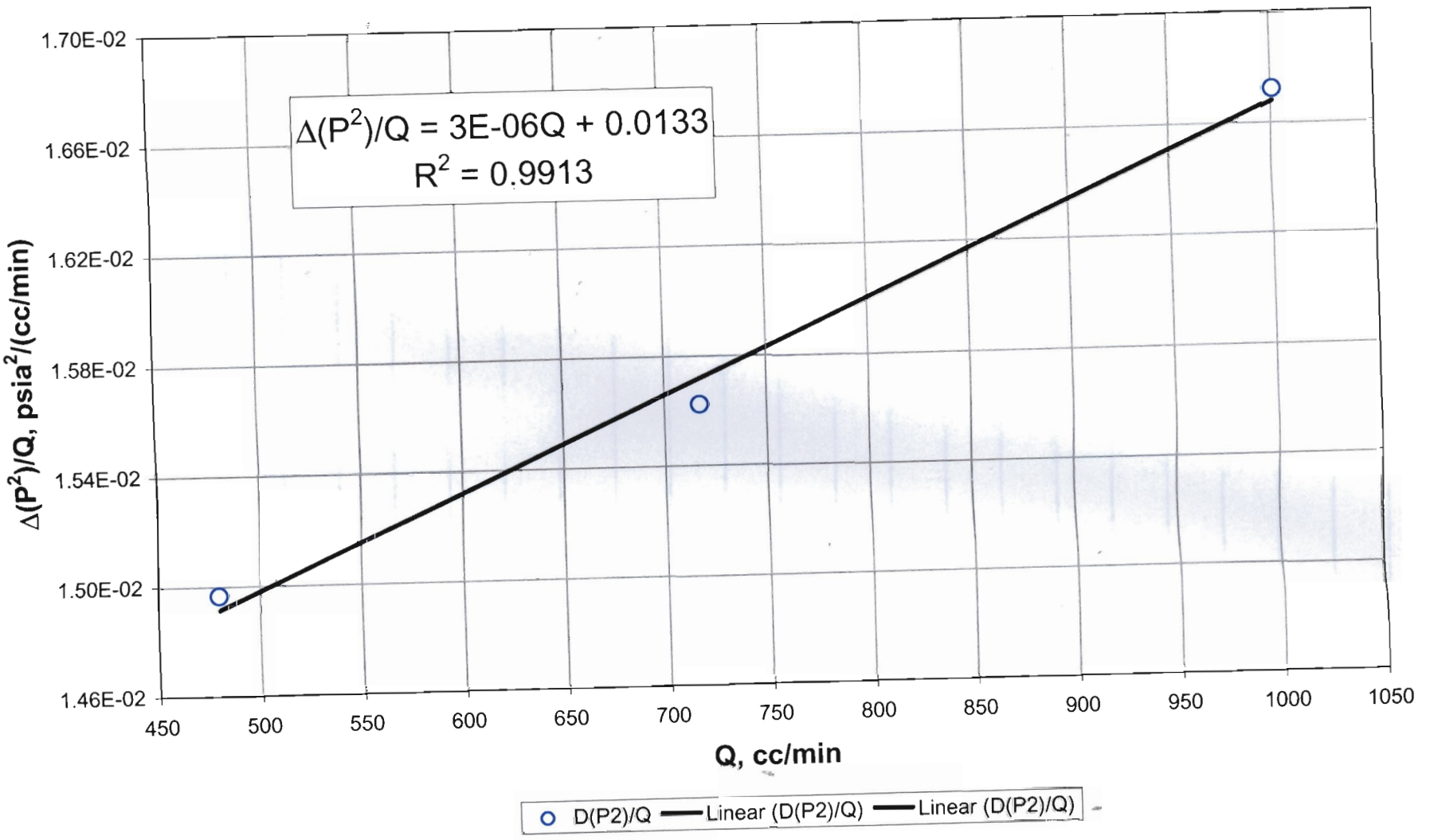
Relationship between steady-state differential pressures squared and flowrate:
If relationship is linear, with the ordinate intercept nearly zero,
there is no high velocity flow effect.
V3 Transect: Drillhole 14



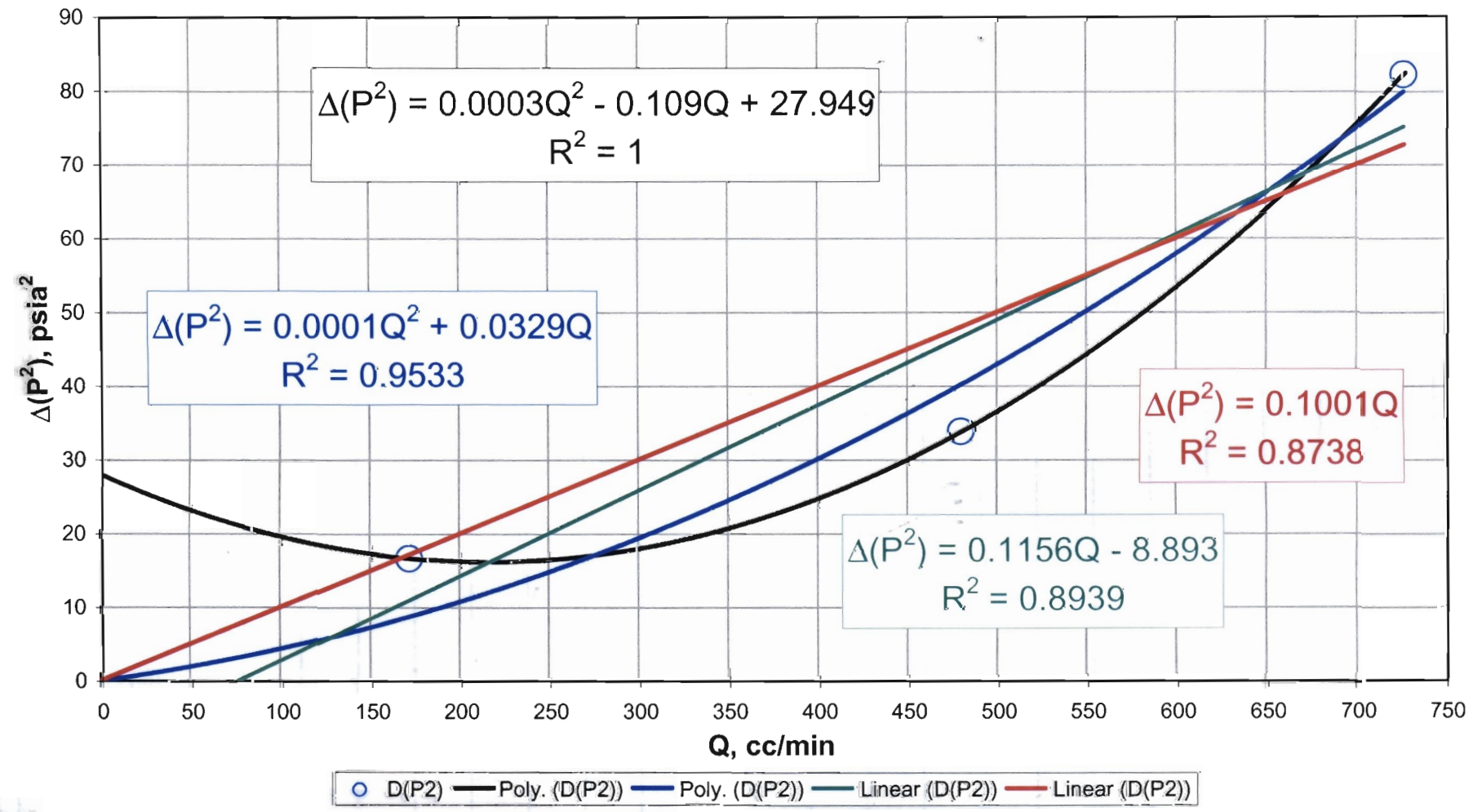
Log-Log plot of differential pressures squared vs. flowrate--used to identify the presence of high-velocity flow effects (when the slope is greater than unity)
V3 Transect: Drillhole 14



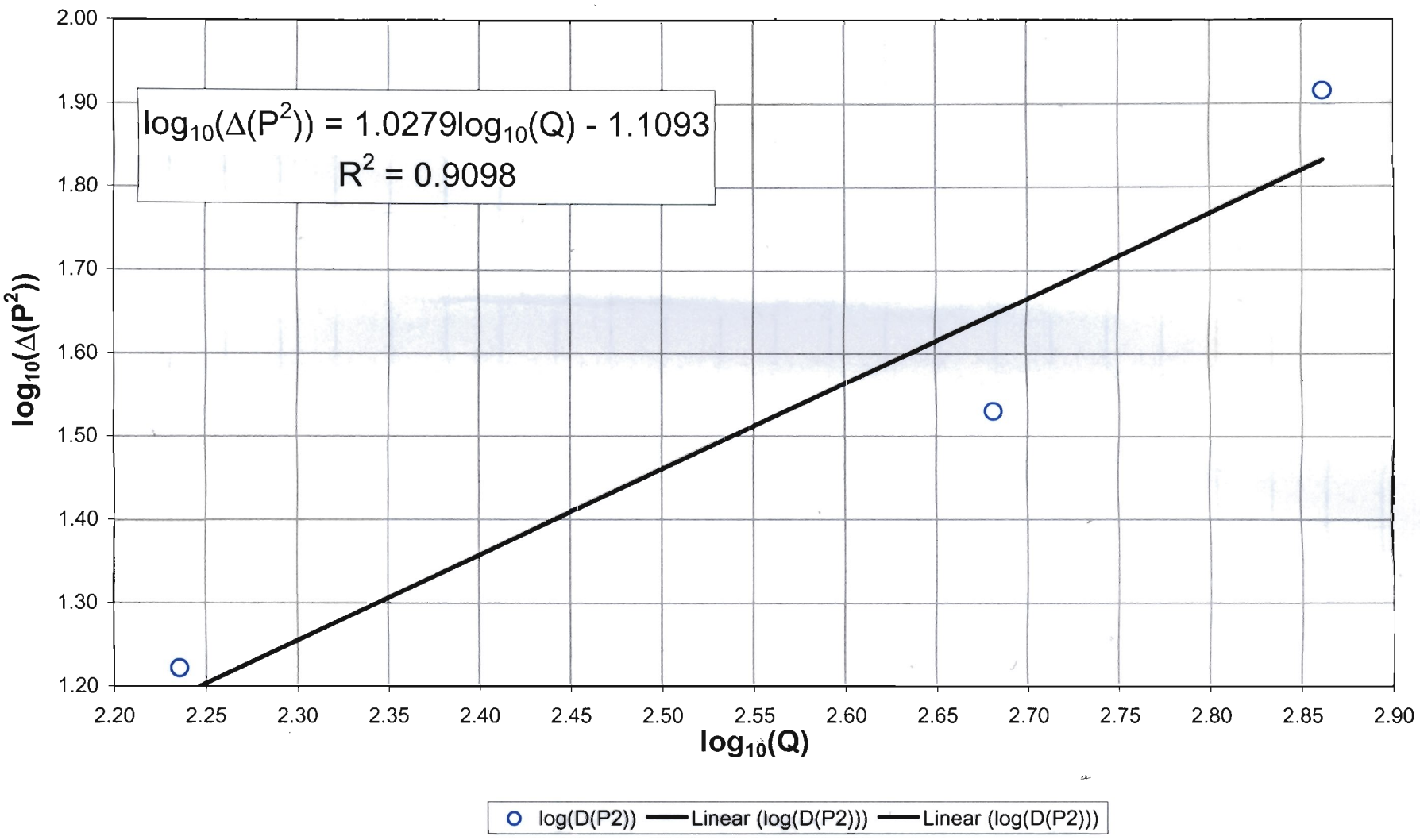
Final check for high velocity flow effects:
High velocity flow effects are present when the slope is non-zero and positive.
V3 Transect: Drillhole 14



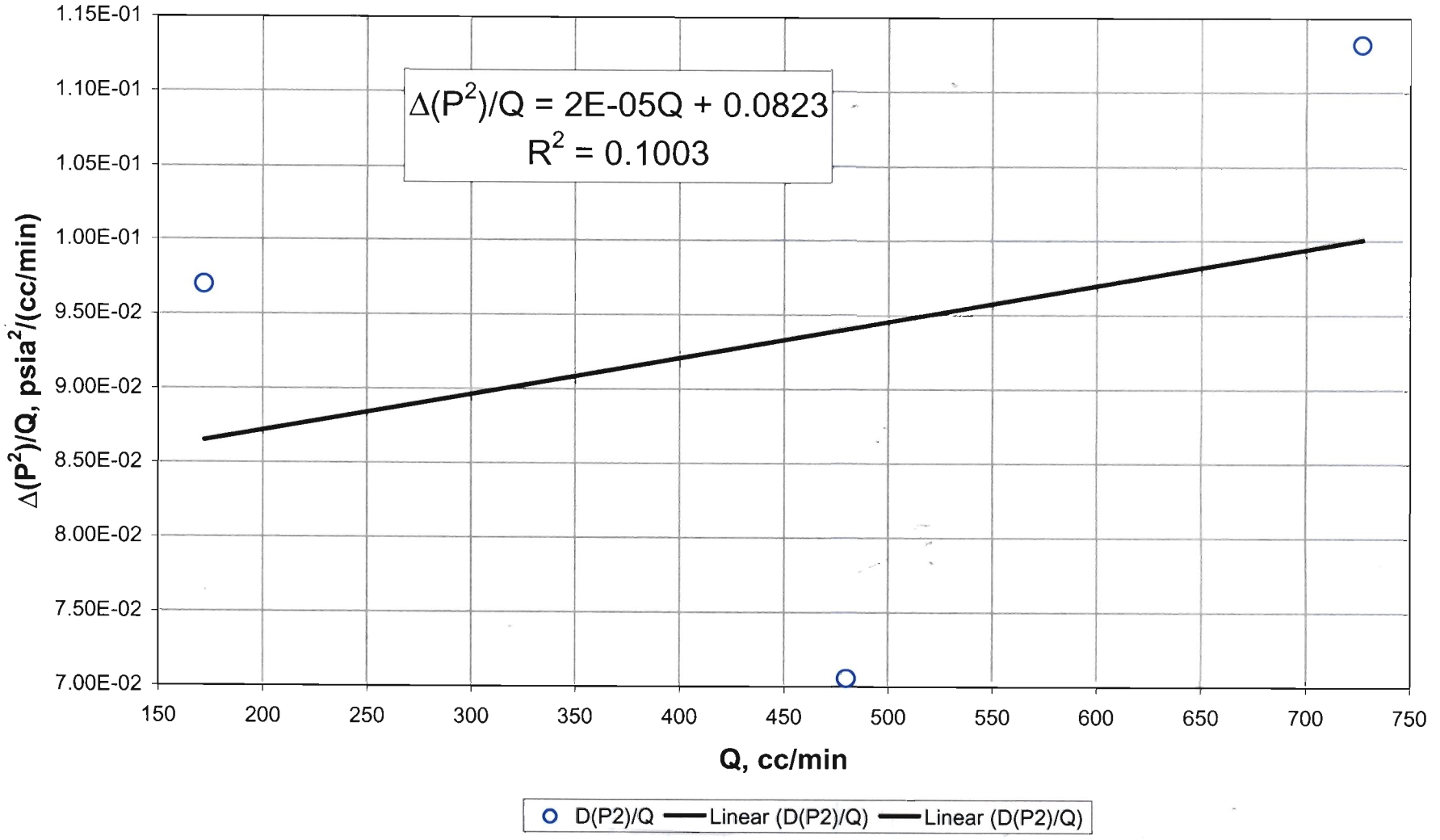
Relationship between steady-state differential pressures squared and flowrate:
If relationship is linear, with the ordinate intercept nearly zero,
there is no high velocity flow effect.
V3 Transect: Drillhole 15



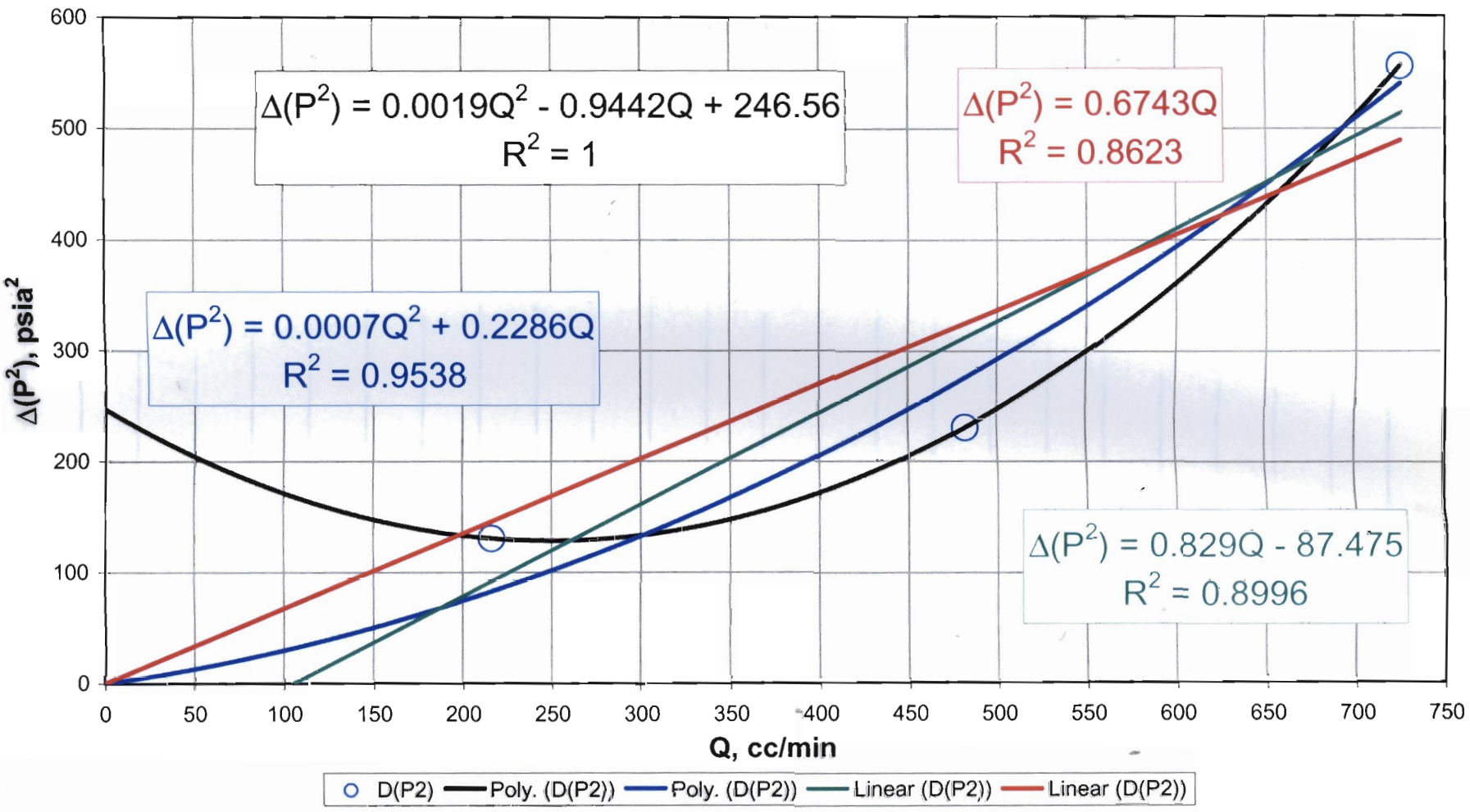
Log-Log plot of differential pressures squared vs. flowrate--used to identify the presence of high-velocity flow effects (when the slope is greater than unity)
V3 Transect: Drillhole 15



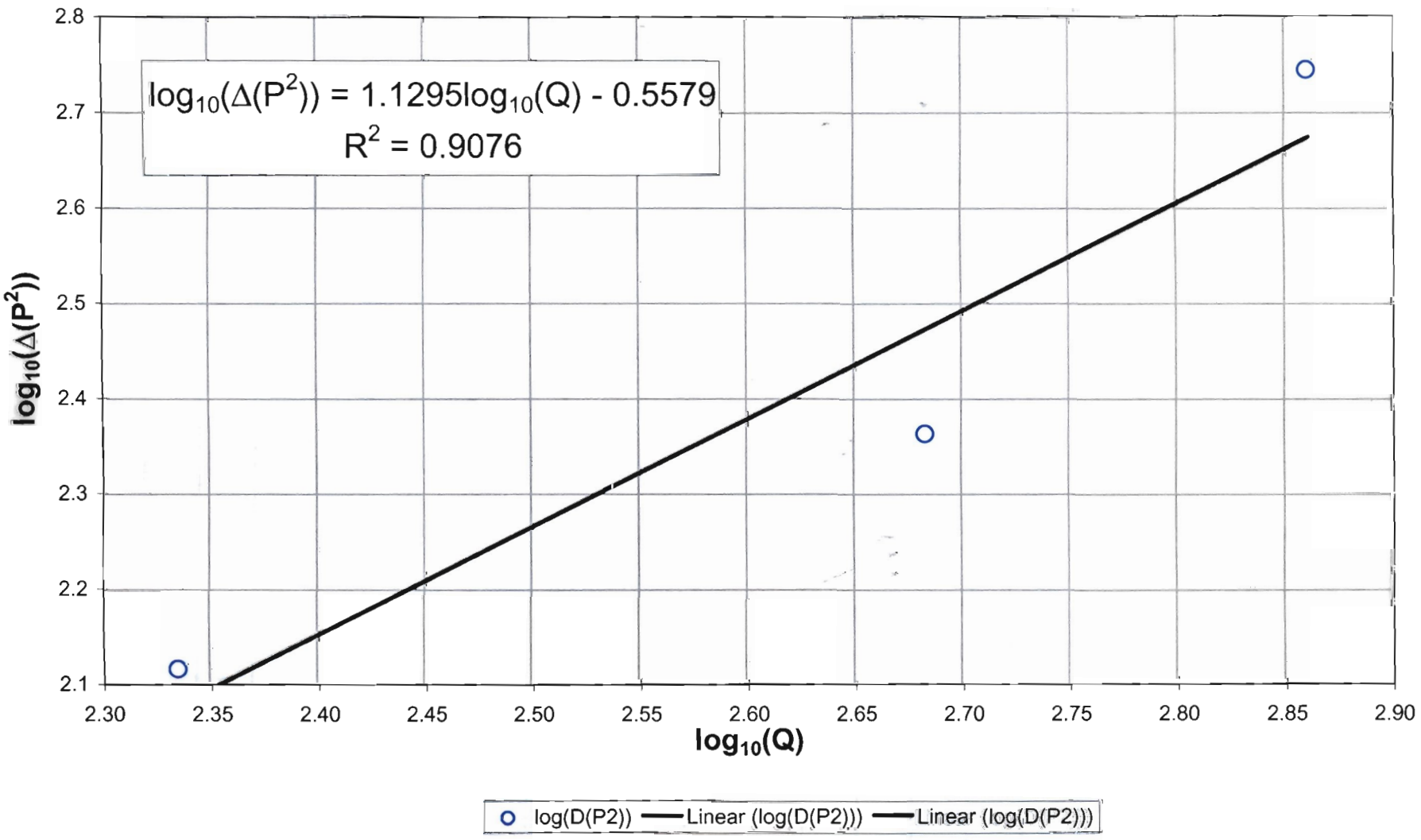
Final check for high velocity flow effects:
High velocity flow effects are present when the slope is non-zero and positive.
V3 Transect: Drillhole 15



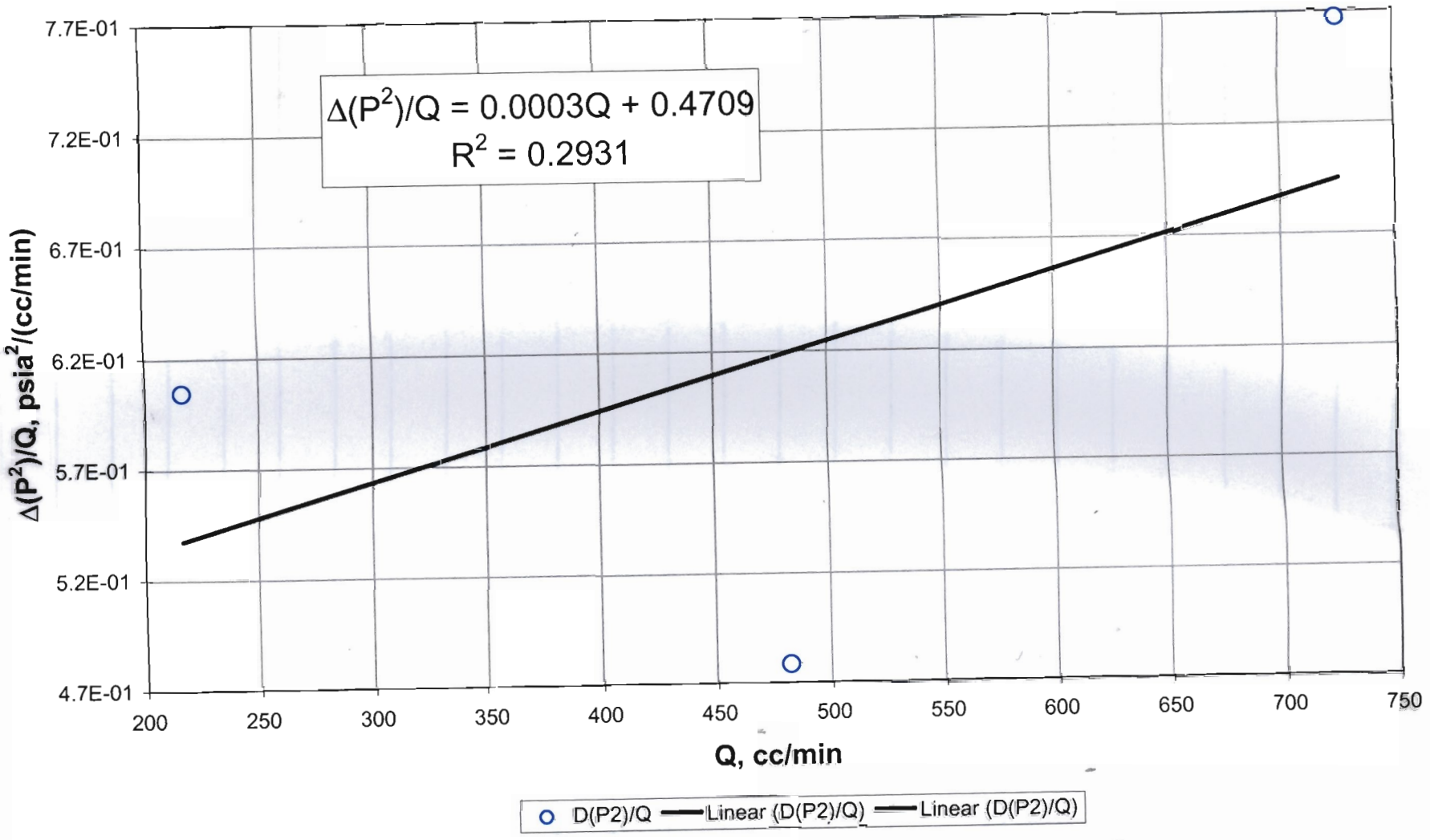
**Relationship between steady-state differential pressures squared and flowrate:
If relationship is linear, with the ordinate intercept nearly zero,
there is no high velocity flow effect.
V3 Transect: Drillhole 16**



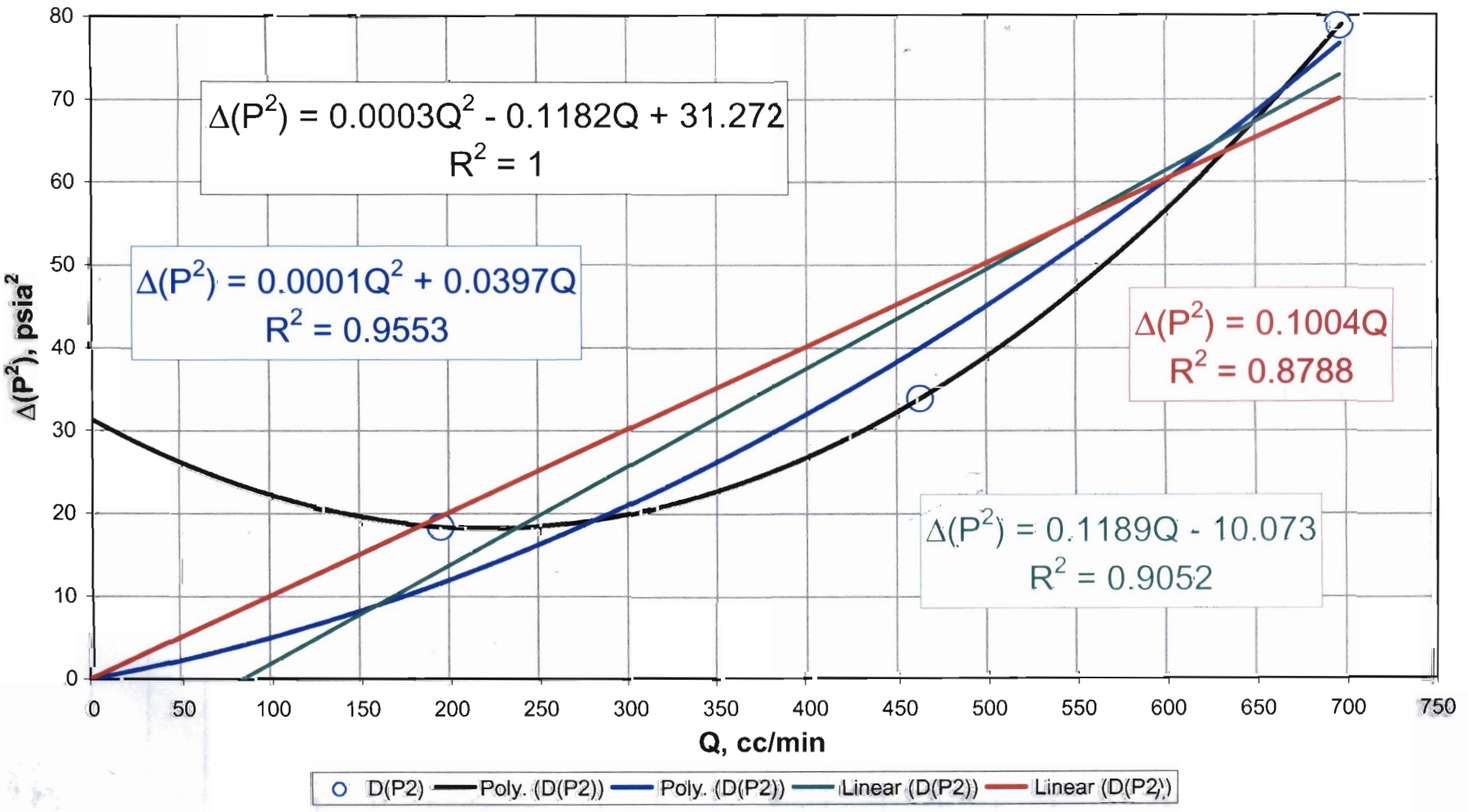
**Log-Log plot of differential pressures squared vs. flowrate--used to identify the presence of high-velocity flow effects (when the slope is greater than unity)
V3 Transect: Drillhole 16**



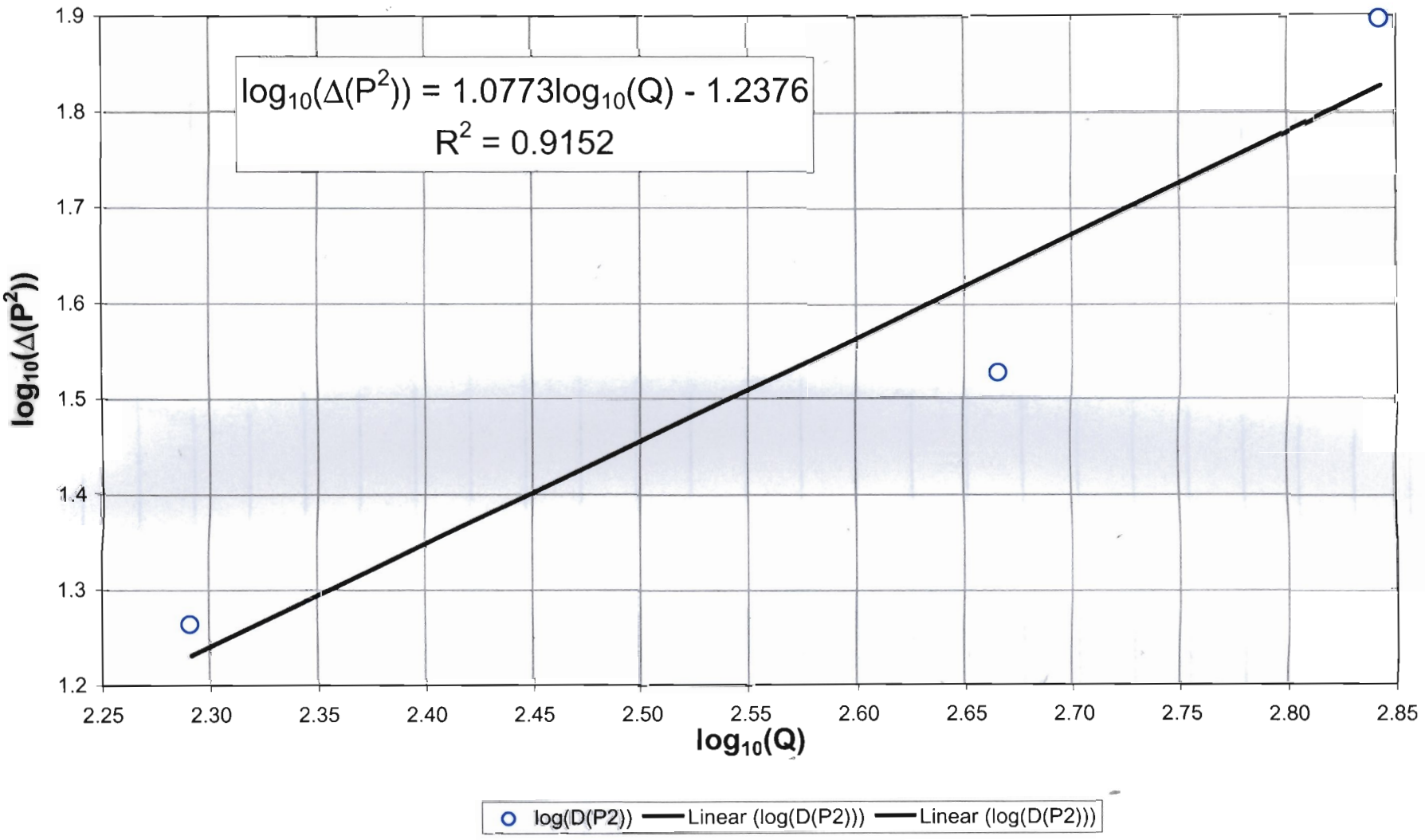
Final check for high velocity flow effects:
High velocity flow effects are present when the slope is non-zero and positive.
V3 Transect: Drillhole 16



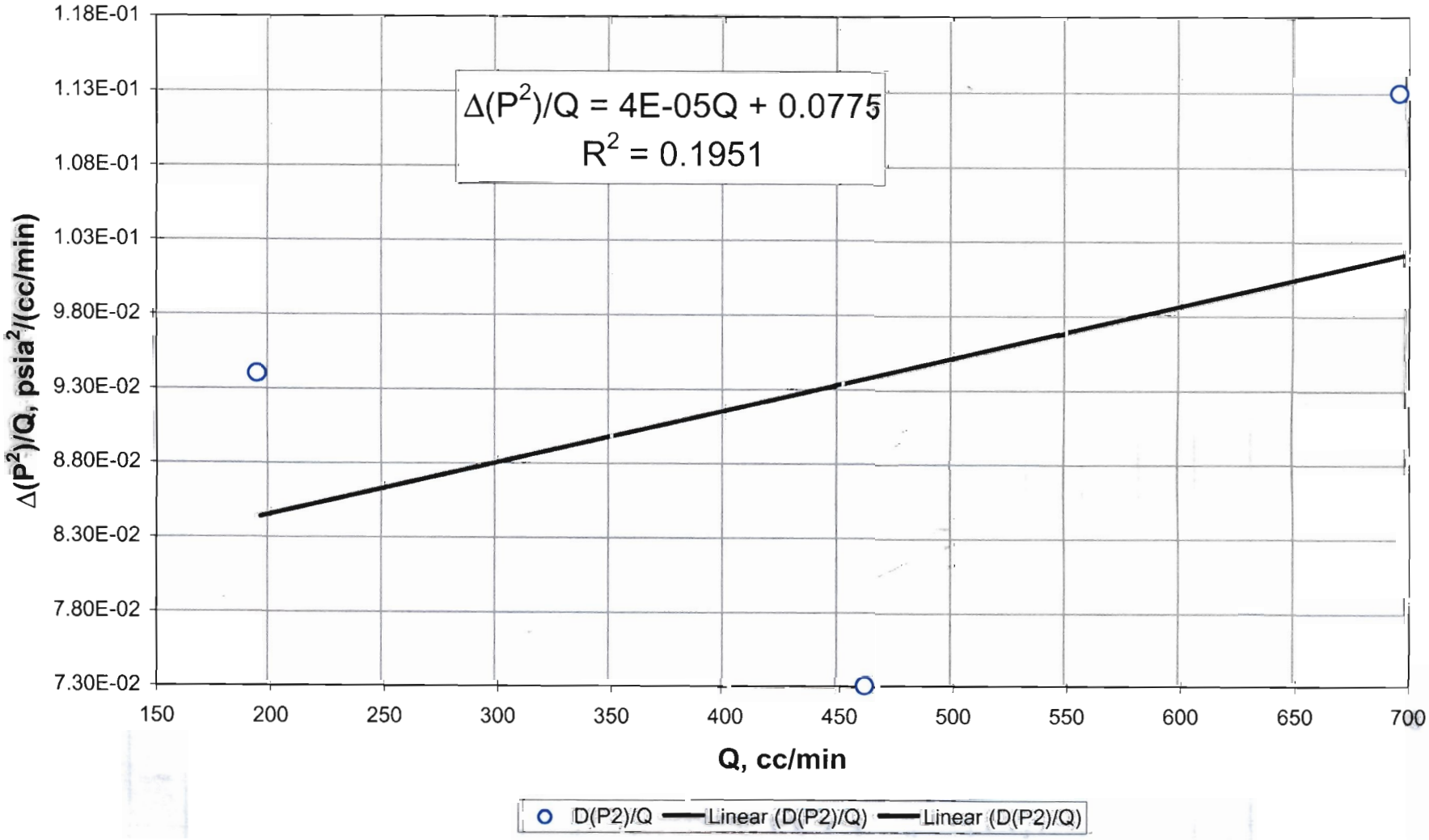
Relationship between steady-state differential pressures squared and flowrate:
If relationship is linear, with the ordinate intercept nearly zero,
there is no high velocity flow effect.
V3 Transect: Drillhole 17



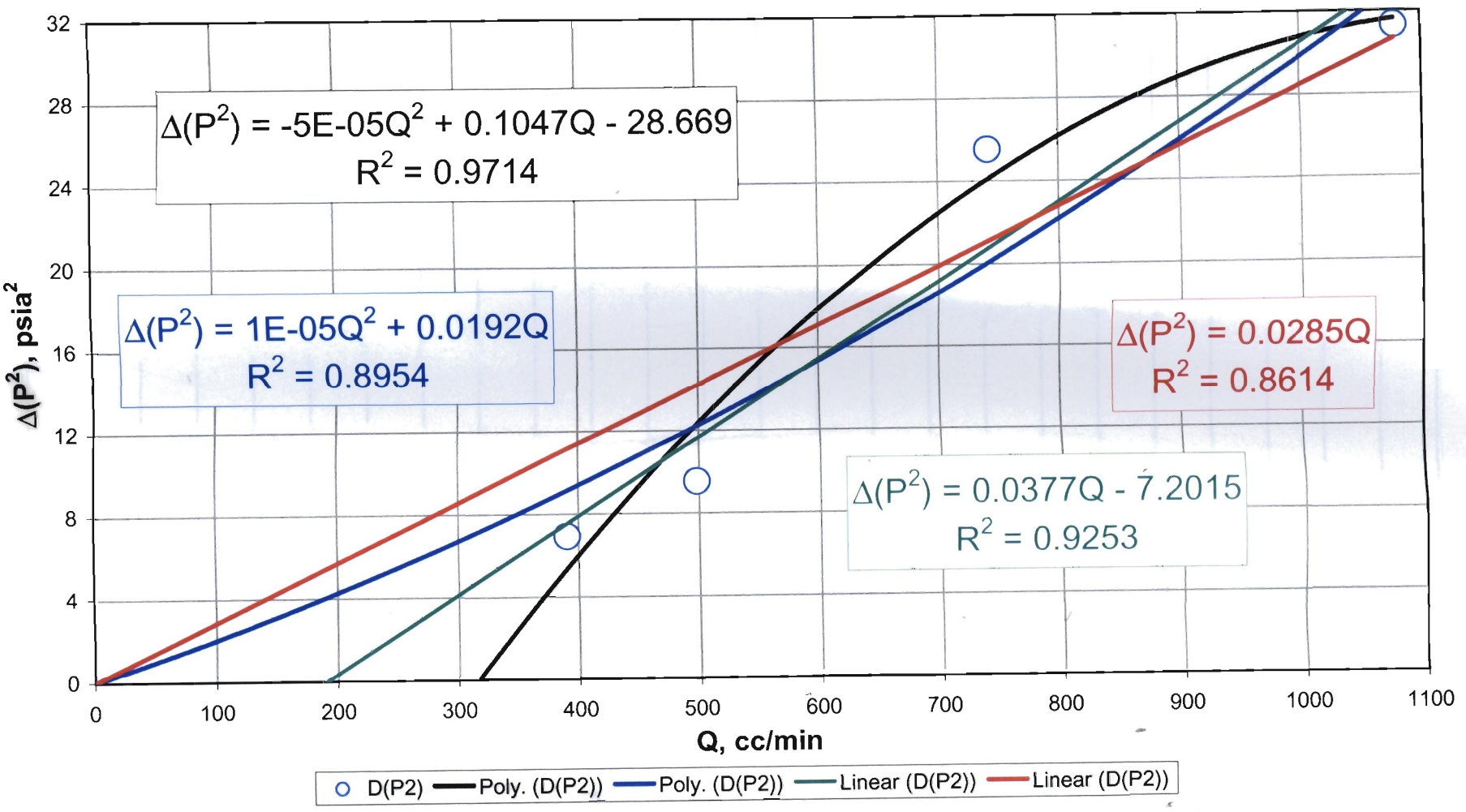
Log-Log plot of differential pressures squared vs. flowrate--used to identify the presence of high-velocity flow effects (when the slope is greater than unity)
V3 Transect: Drillhole 17



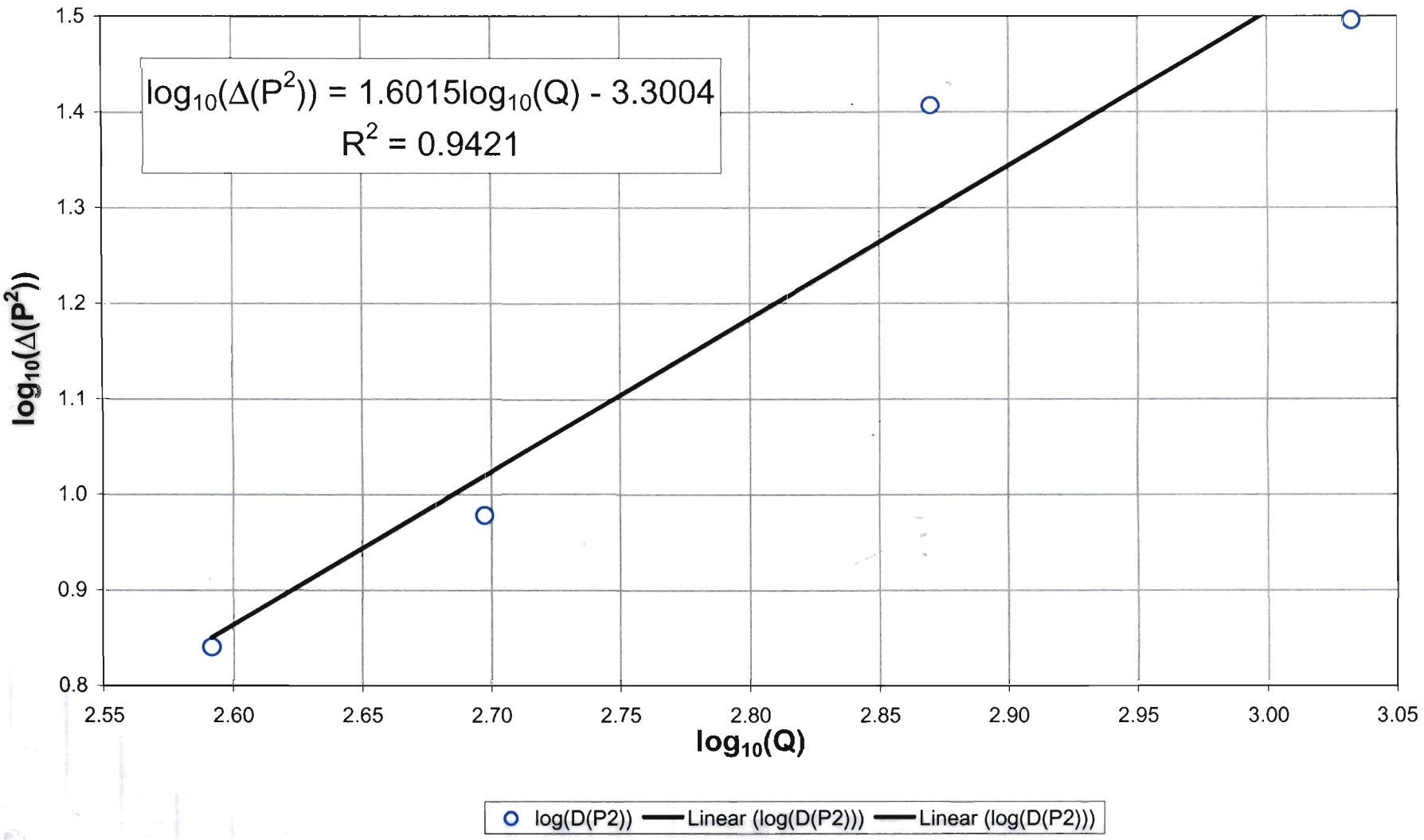
Final check for high velocity flow effects:
High velocity flow effects are present when the slope is non-zero and positive.
V3 Transect: Drillhole 17



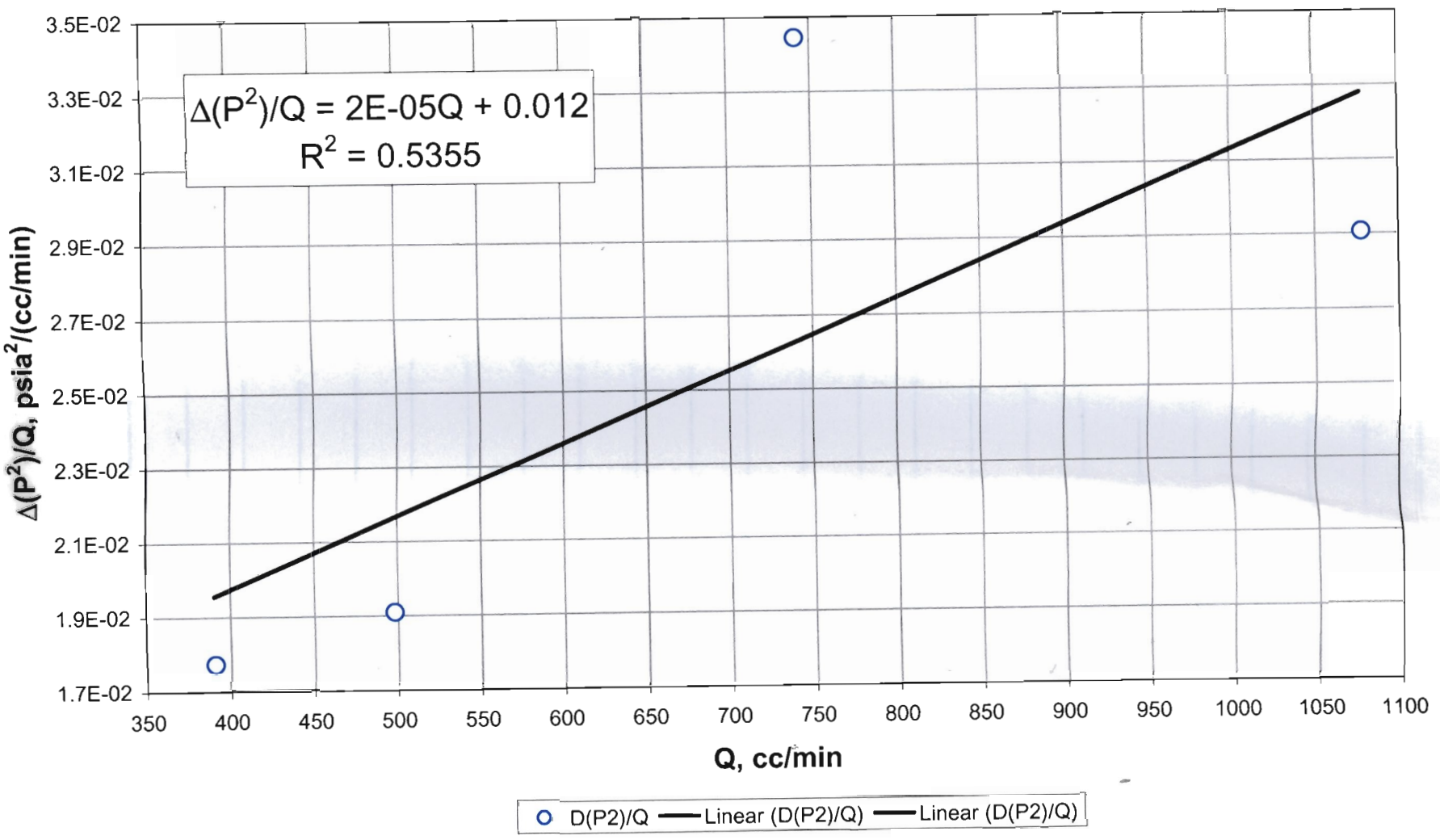
**Relationship between steady-state differential pressures squared and flowrate:
If relationship is linear, with the ordinate intercept nearly zero,
there is no high velocity flow effect.
V3 Transect: Drillhole 18**



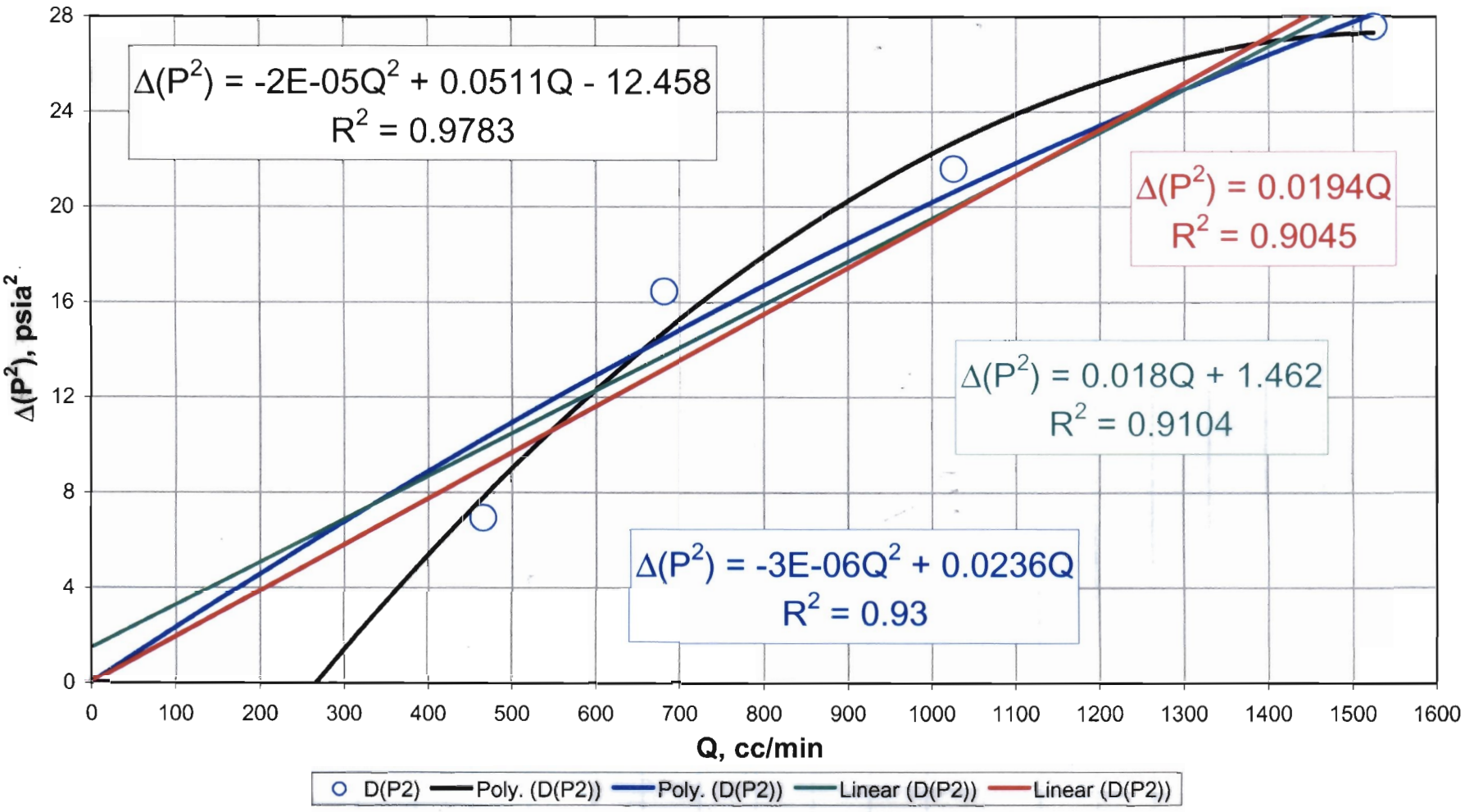
**Log-Log plot of differential pressures squared vs. flowrate--used to identify the presence of high-velocity flow effects (when the slope is greater than unity)
V3 Transect: Drillhole 18**



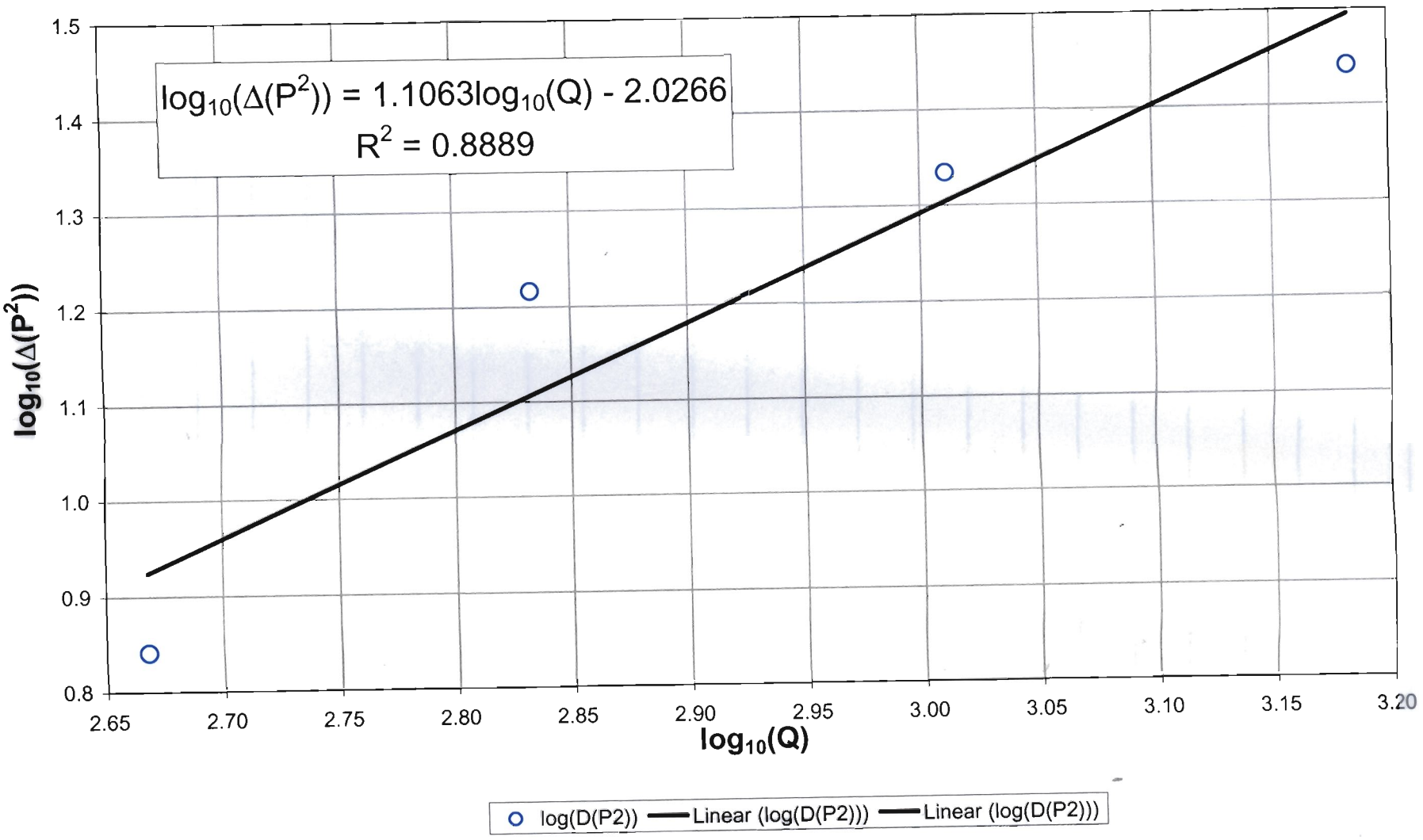
Final check for high velocity flow effects:
High velocity flow effects are present when the slope is non-zero and positive.
V3 Transect: Drillhole 18



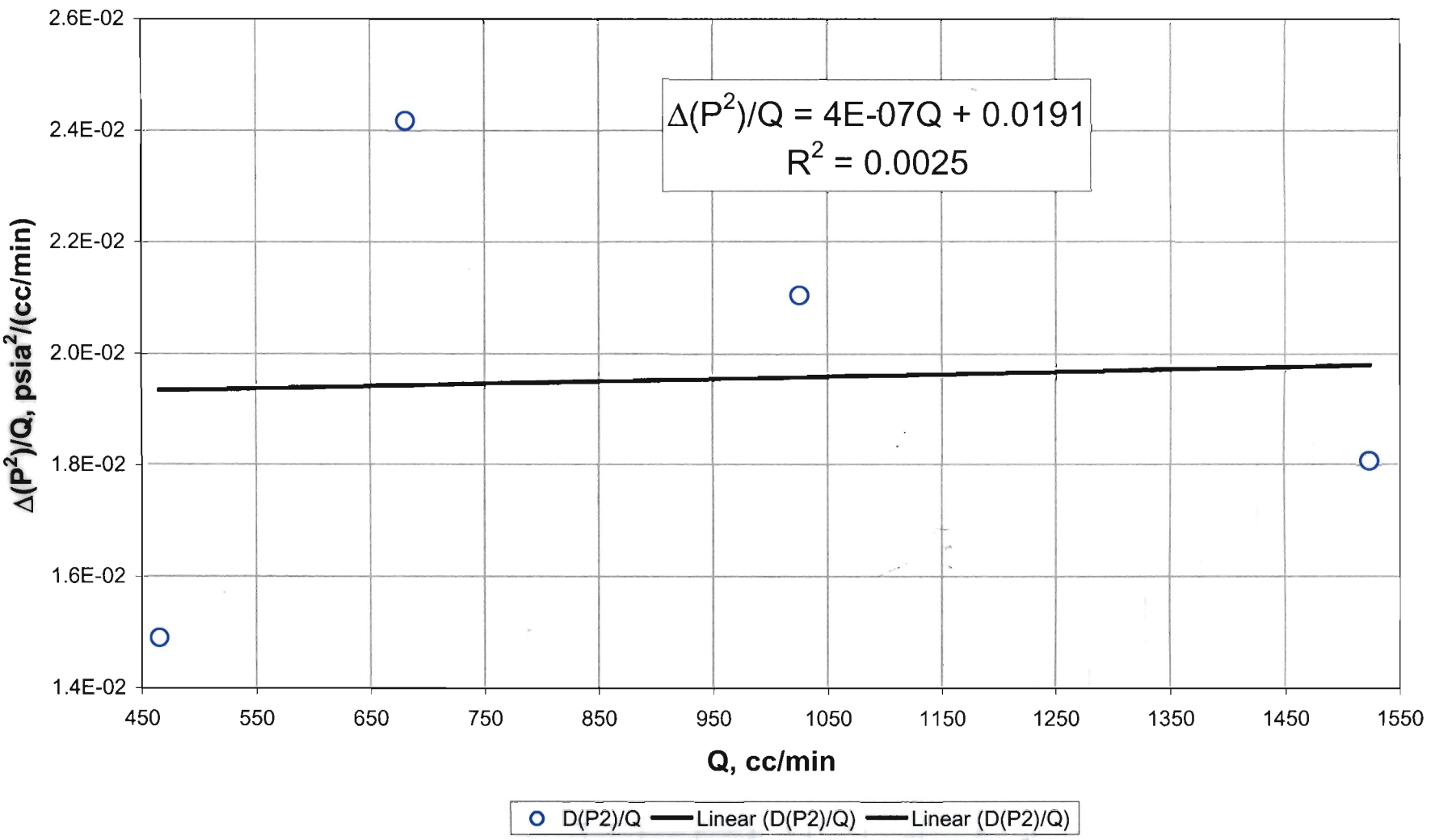
Relationship between steady-state differential pressures squared and flowrate:
If relationship is linear, with the ordinate intercept nearly zero,
there is no high velocity flow effect.
V3 Transect: Drillhole 19



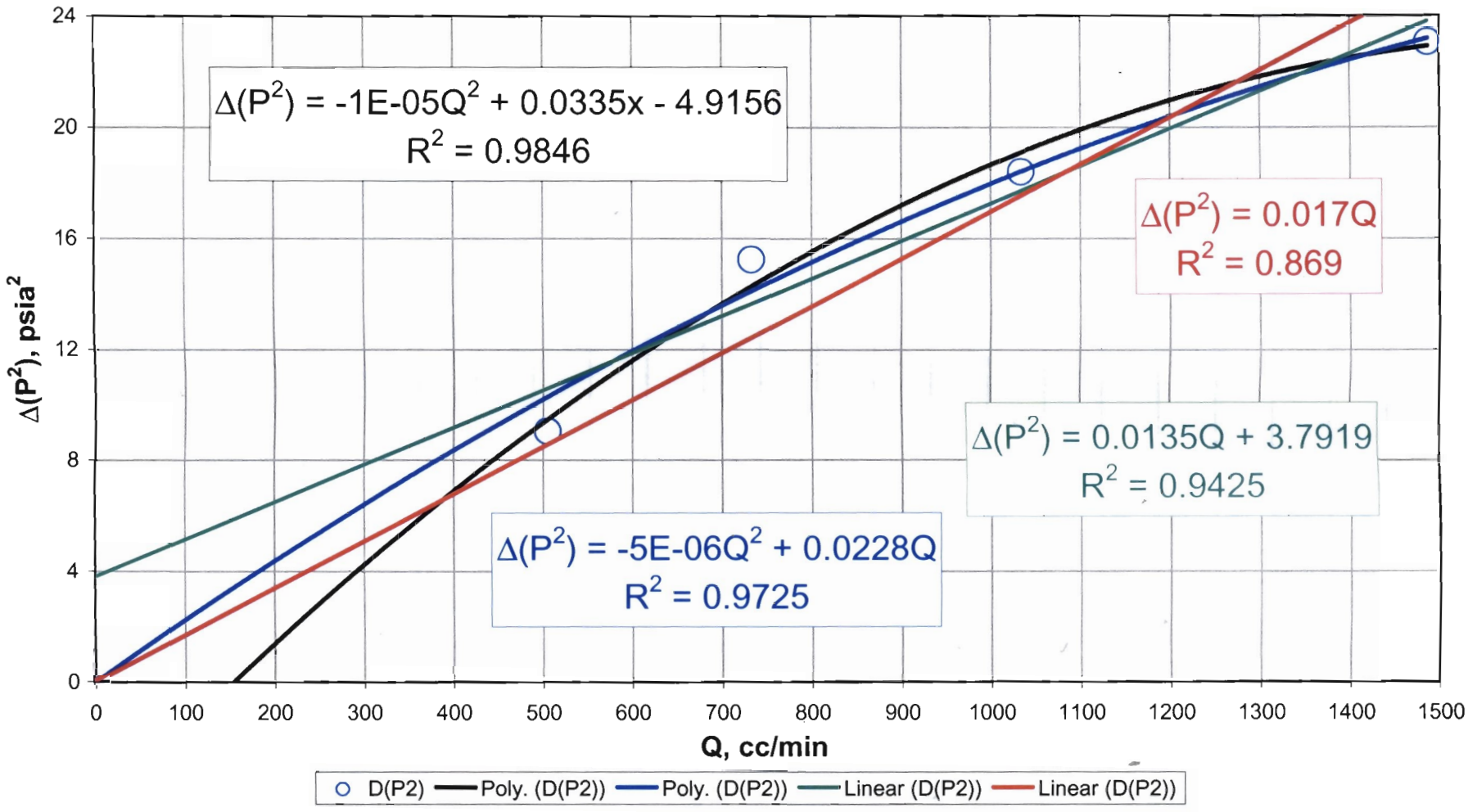
Log-Log plot of differential pressures squared vs. flowrate--used to identify the presence of high-velocity flow effects (when the slope is greater than unity)
V3 Transect: Drillhole 19



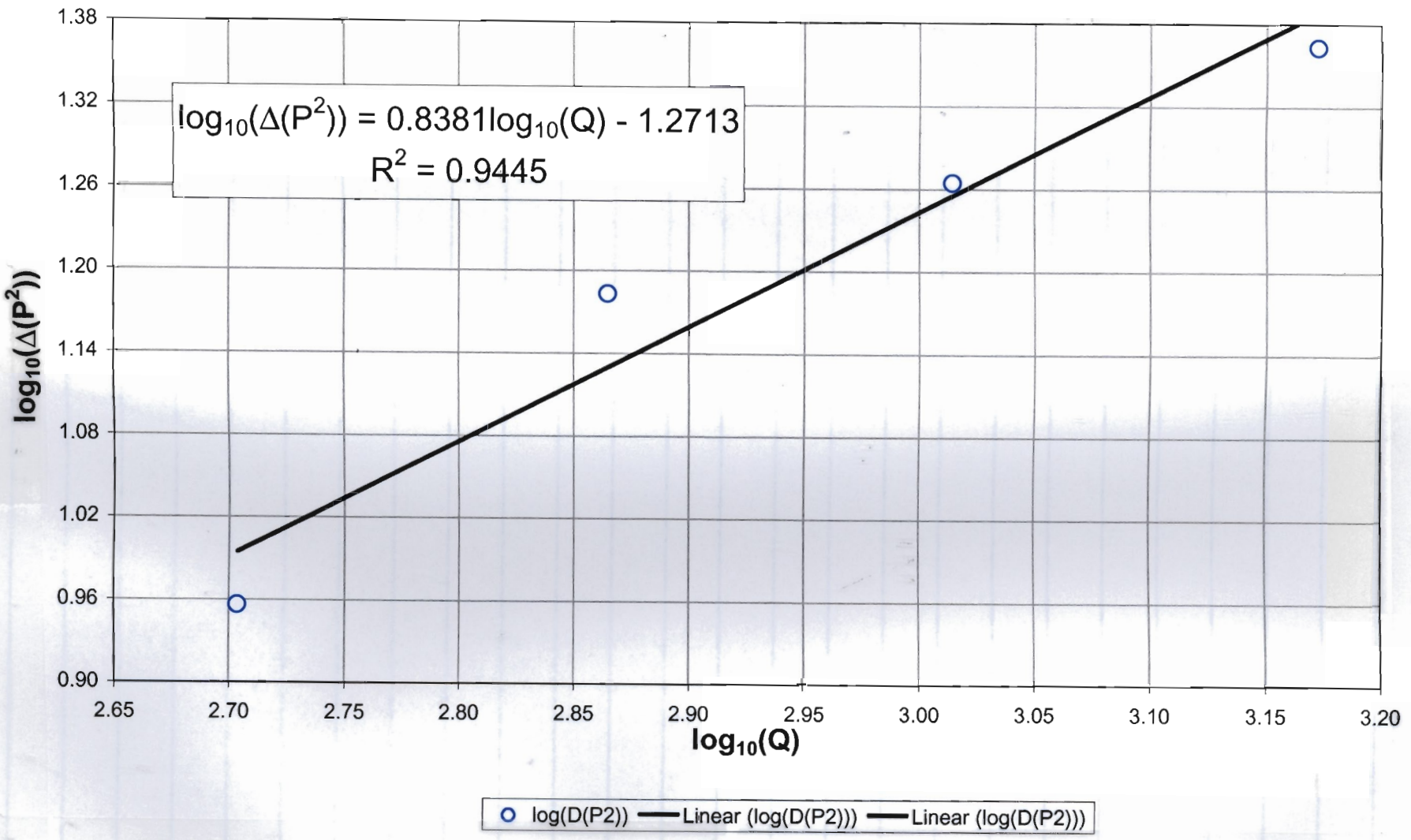
Final check for high velocity flow effects:
High velocity flow effects are present when the slope is non-zero and positive.
V3 Transect: Drillhole 19



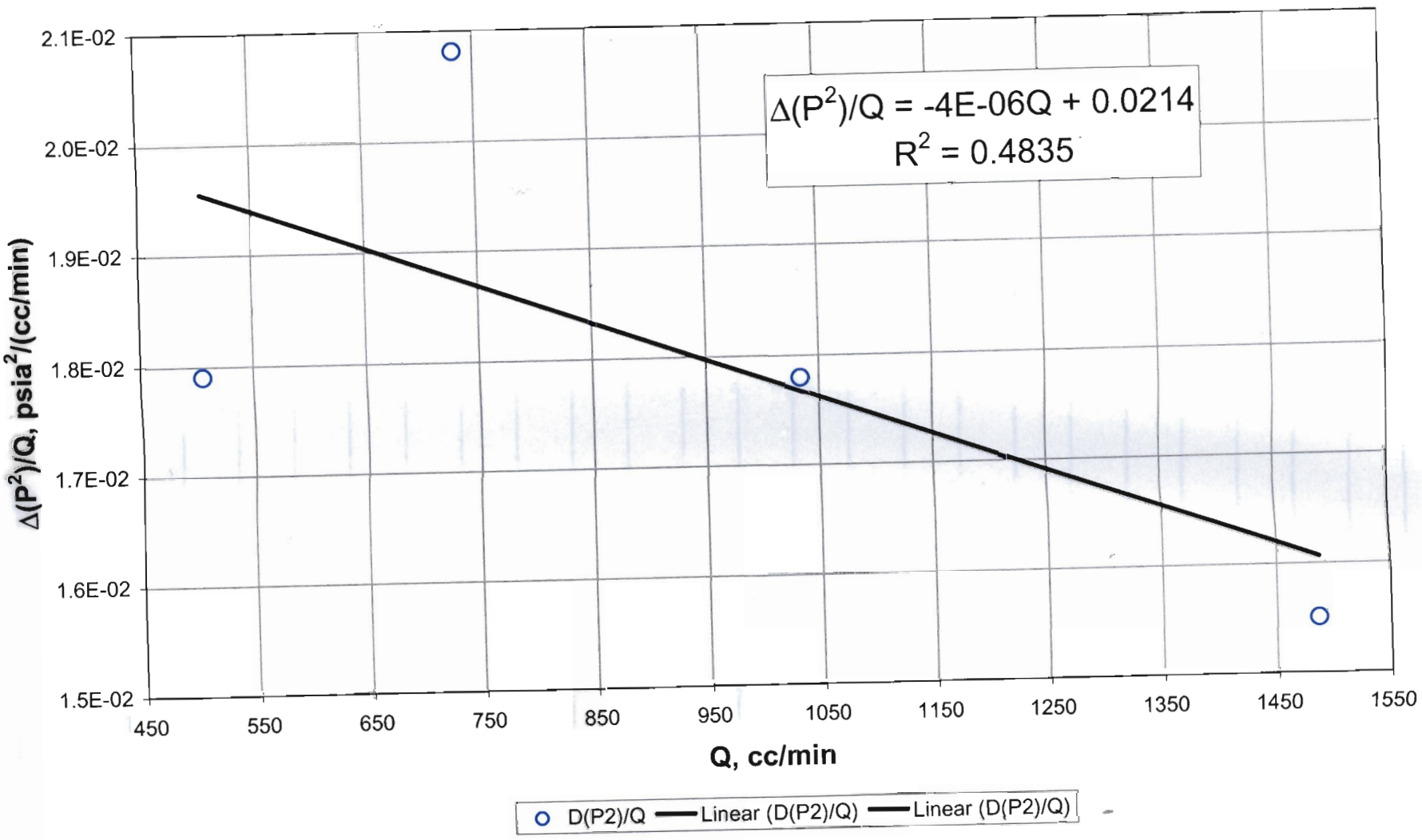
**Relationship between steady-state differential pressures squared and flowrate:
If relationship is linear, with the ordinate intercept nearly zero,
there is no high velocity flow effect.
V3 Transect: Drillhole 20**



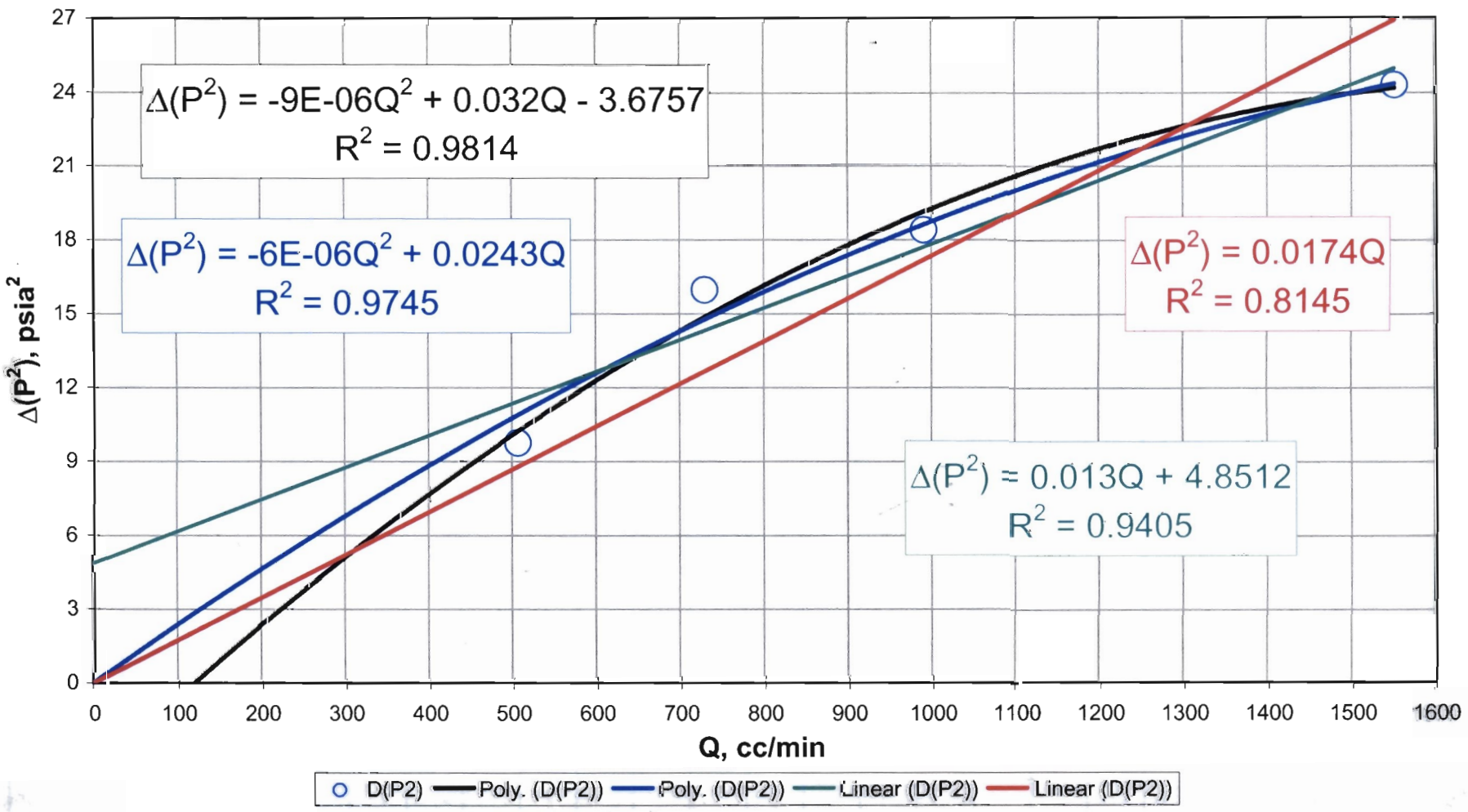
**Log-Log plot of differential pressures squared vs. flowrate--used to identify the presence of high-velocity flow effects (when the slope is greater than unity)
V3 Transect: Drillhole 20**



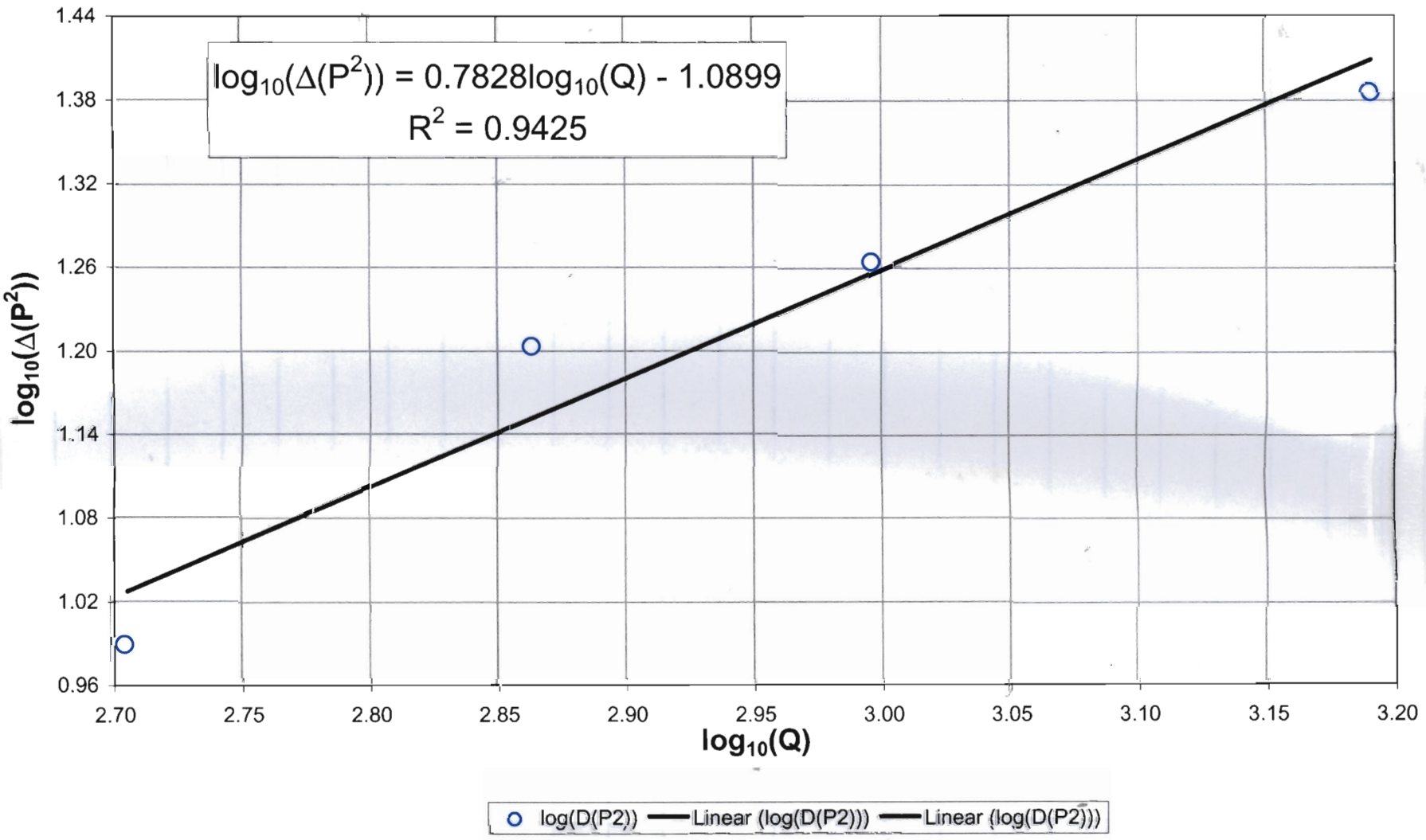
Final check for high velocity flow effects:
High velocity flow effects are present when the slope is non-zero and positive.
V3 Transect: Drillhole 20



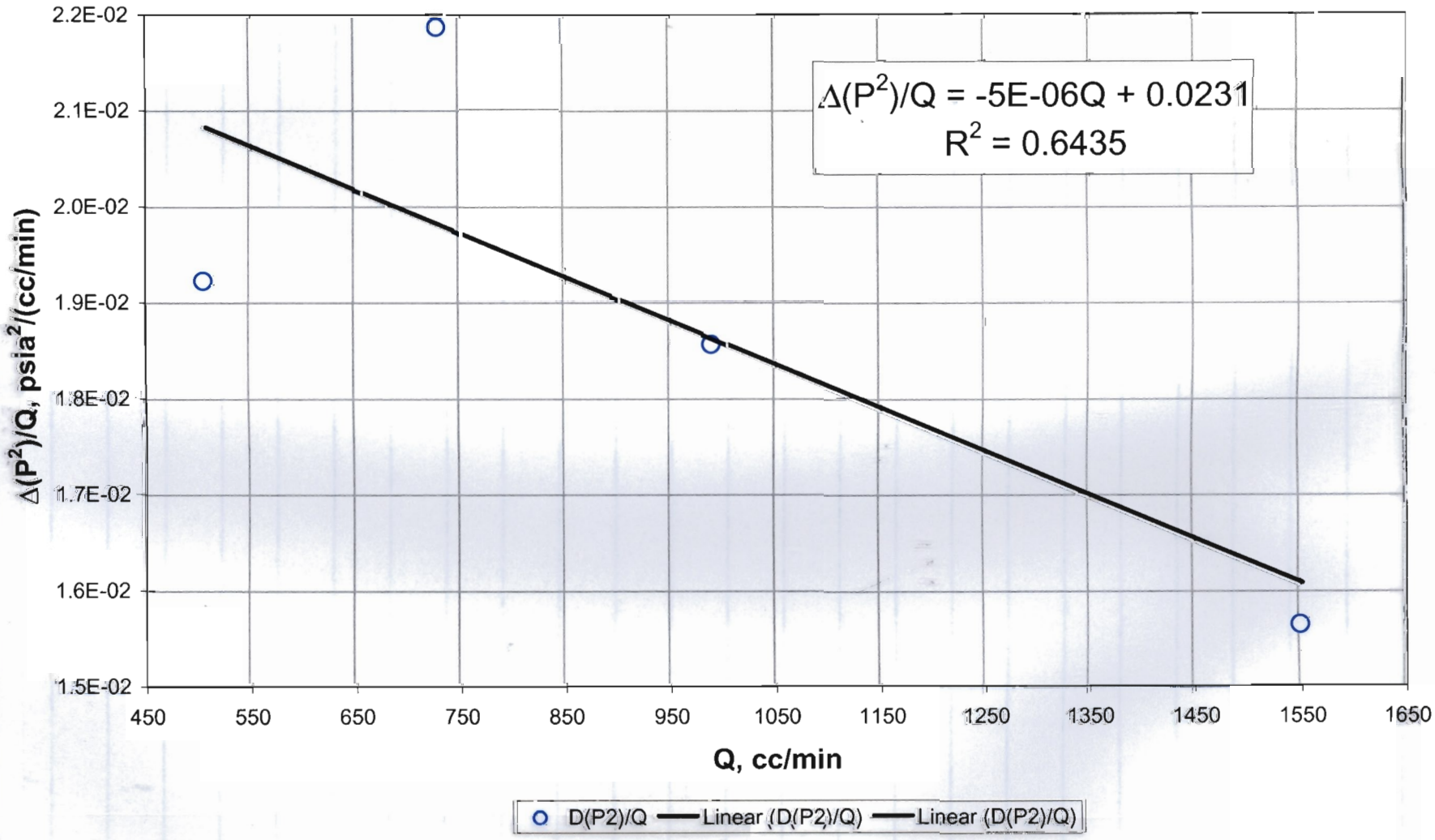
Relationship between steady-state differential pressures squared and flowrate:
If relationship is linear, with the ordinate intercept nearly zero,
there is no high velocity flow effect.
V3 Transect: Drillhole 21



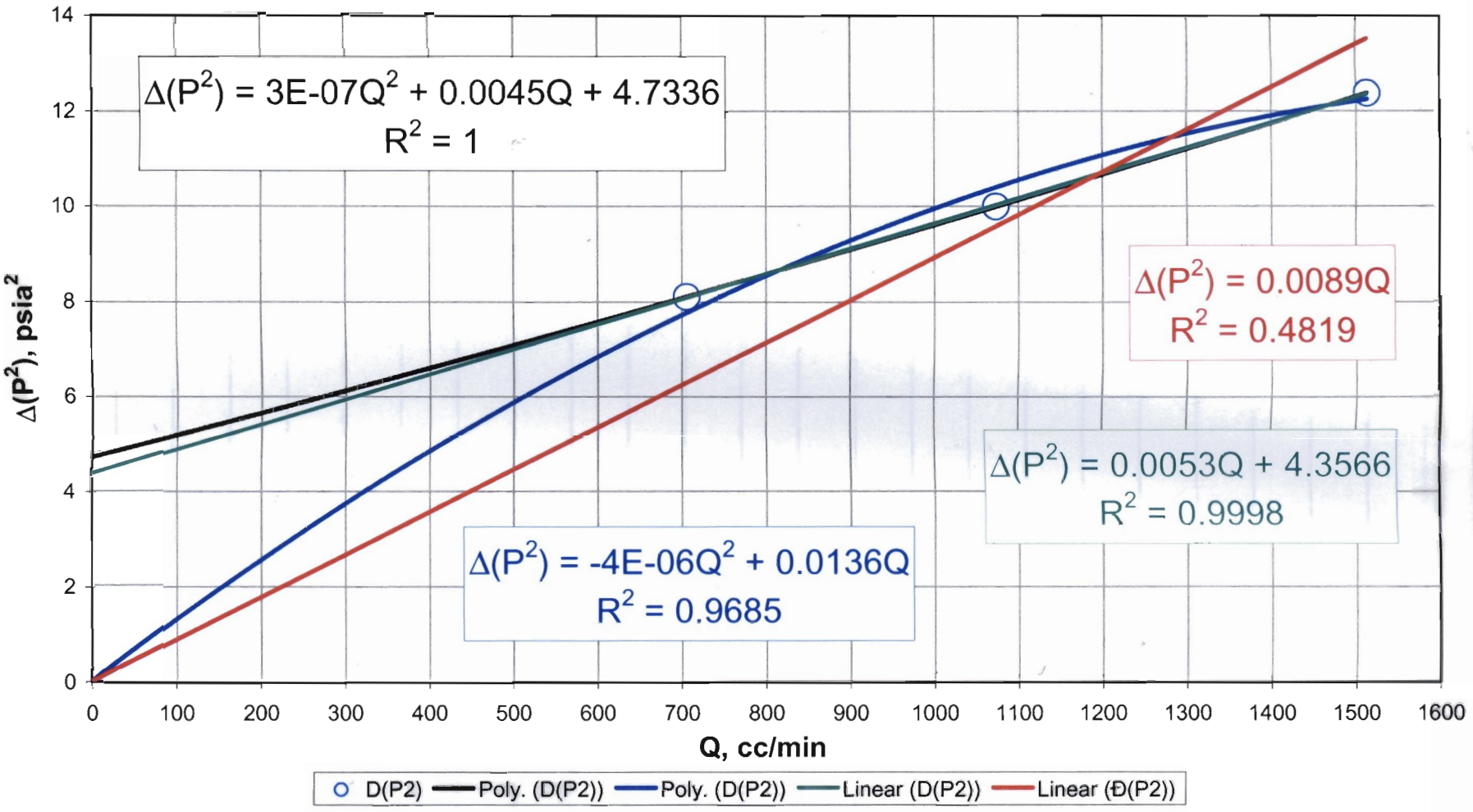
Log-Log plot of differential pressures squared vs. flowrate--used to identify the presence of high-velocity flow effects (when the slope is greater than unity)
V3 Transect: Drillhole 21



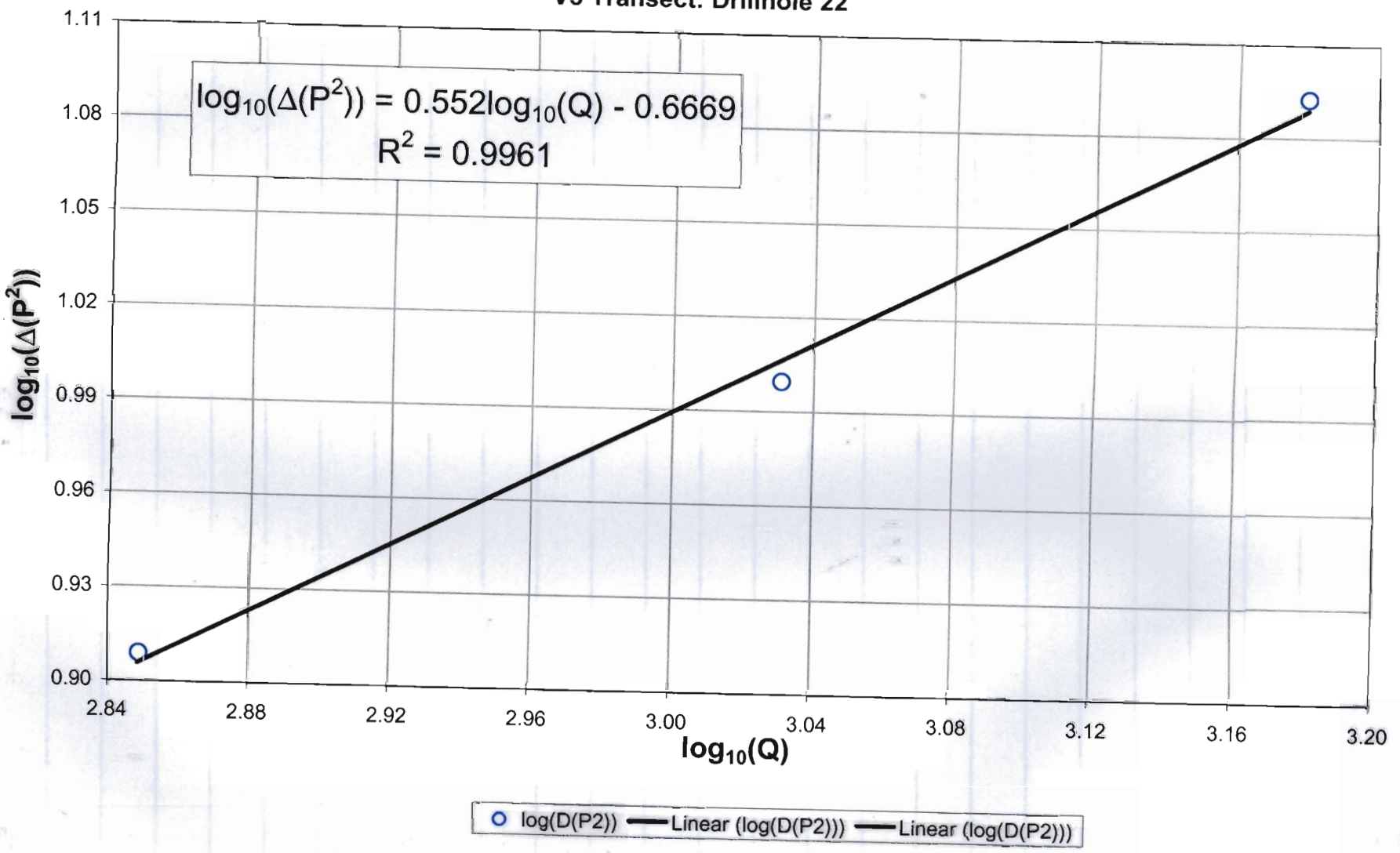
Final check for high velocity flow effects:
High velocity flow effects are present when the slope is non-zero and positive.
V3 Transect: Drillhole 21



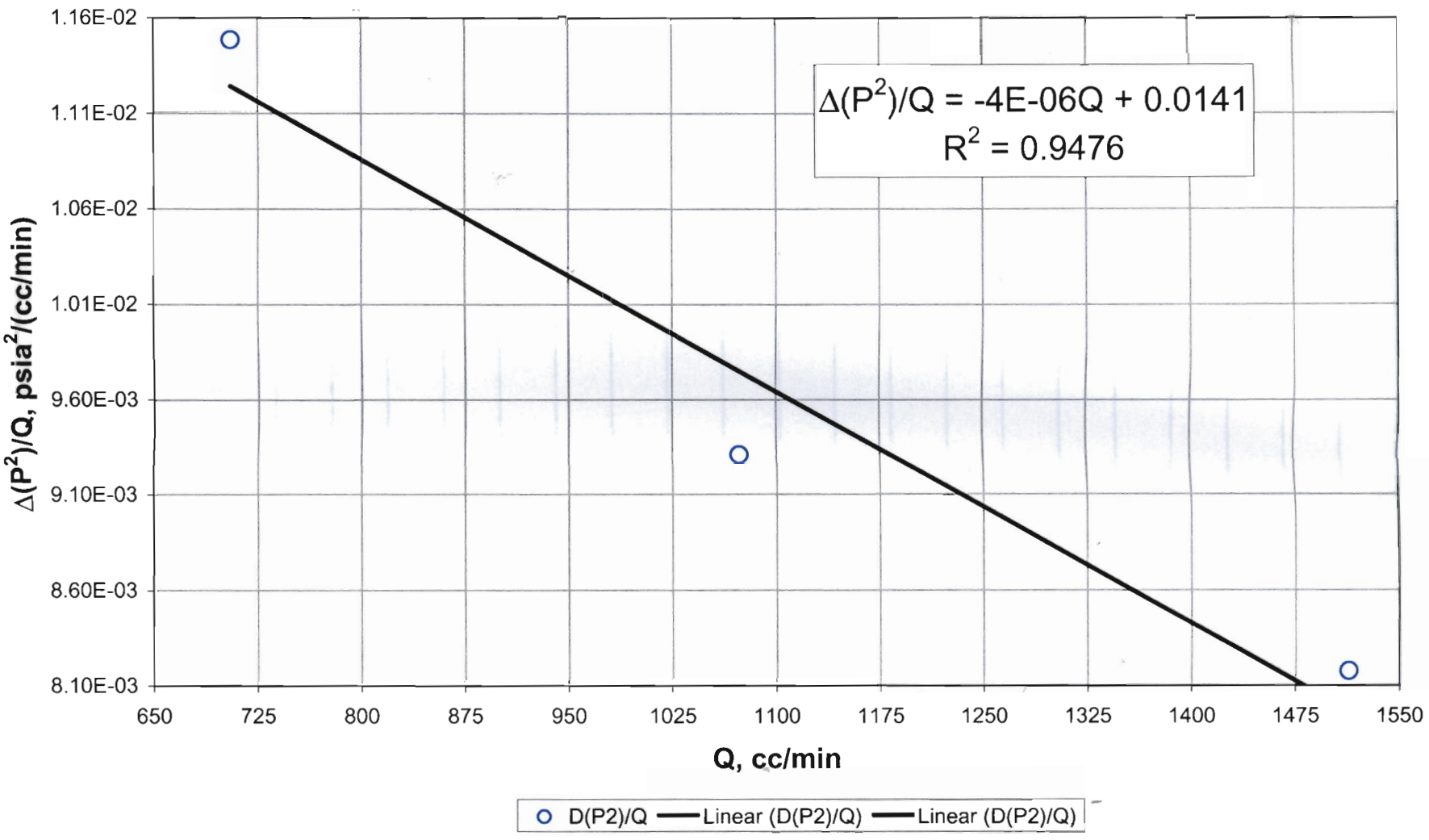
**Relationship between steady-state differential pressures squared and flowrate:
If relationship is linear, with the ordinate intercept nearly zero,
there is no high velocity flow effect.
V3 Transect: Drillhole 22**



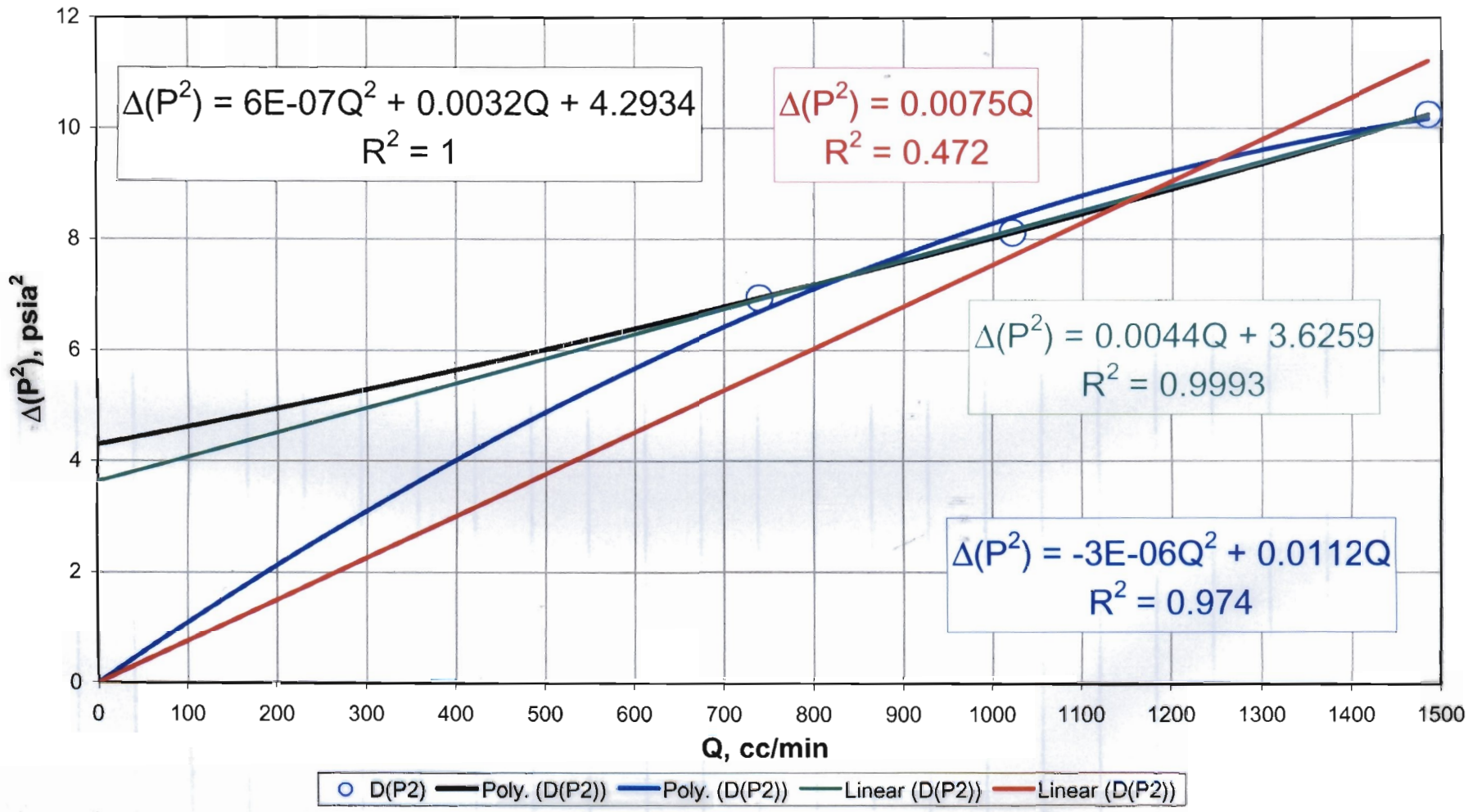
**Log-Log plot of differential pressures squared vs. flowrate--used to identify the presence of high-velocity flow effects (when the slope is greater than unity)
V3 Transect: Drillhole 22**



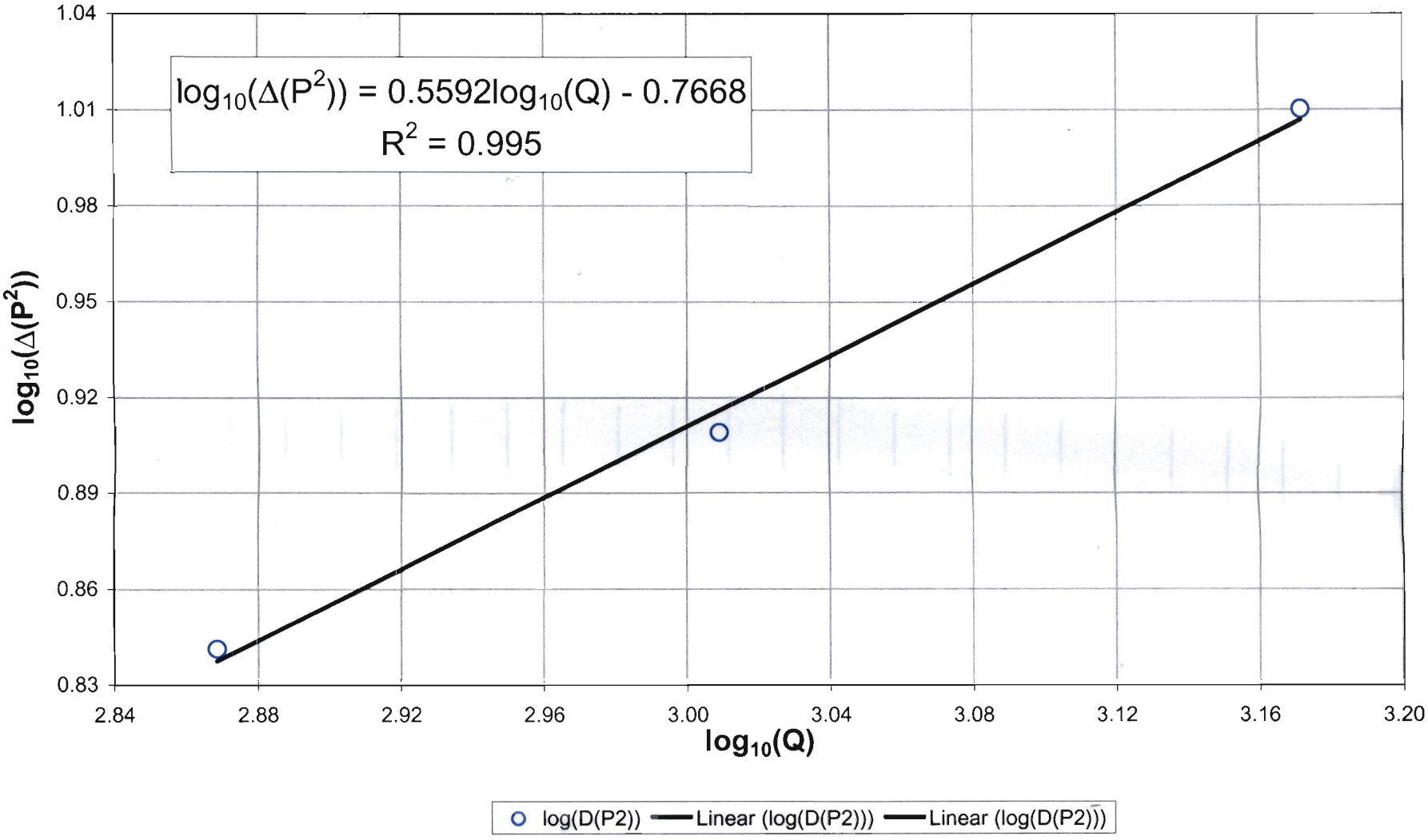
Final check for high velocity flow effects:
High velocity flow effects are present when the slope is non-zero and positive.
V3 Transect: Drillhole 22



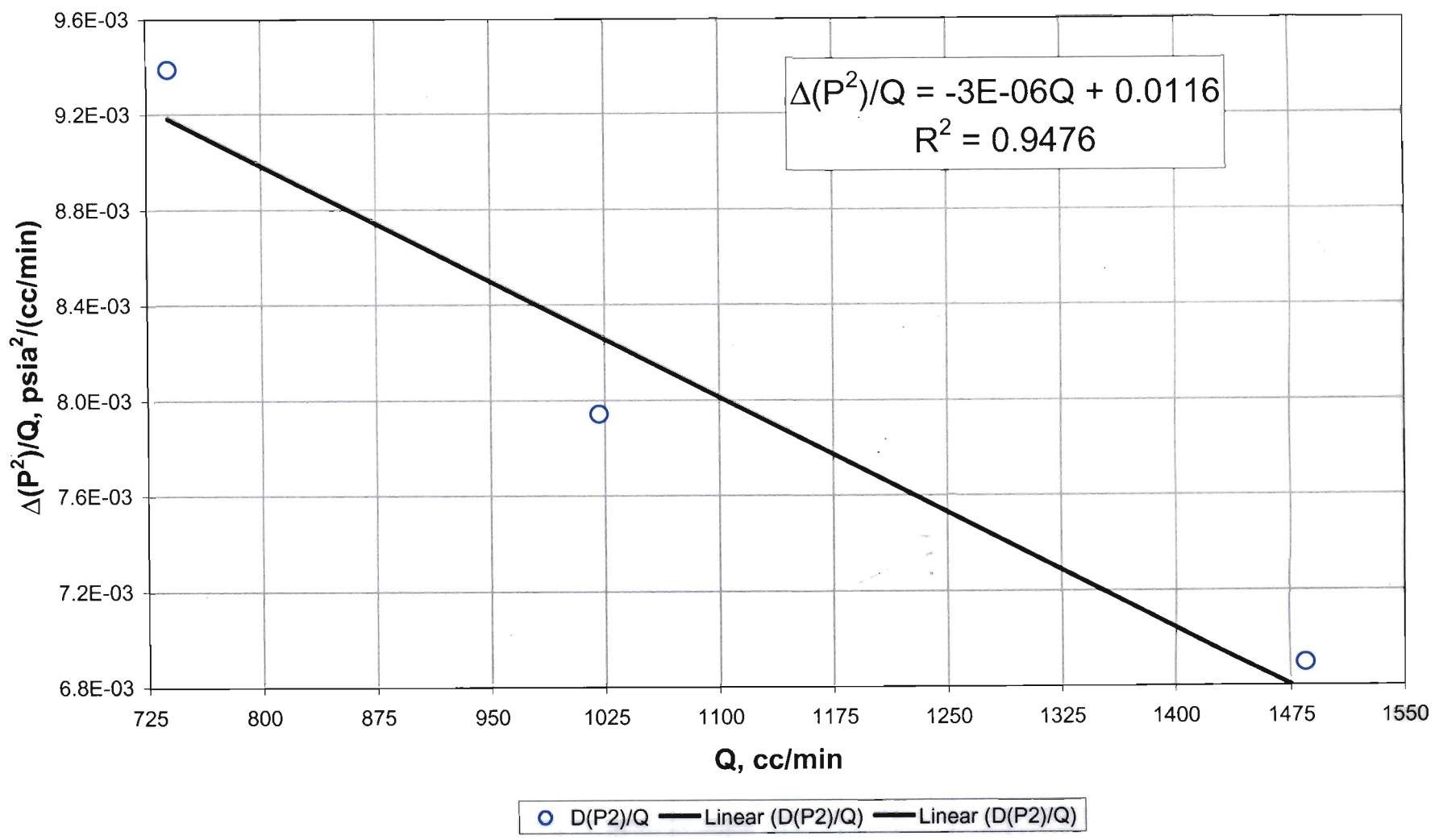
Relationship between steady-state differential pressures squared and flowrate:
If relationship is linear, with the ordinate intercept nearly zero,
there is no high velocity flow effect.
V3 Transect: Drillhole 23



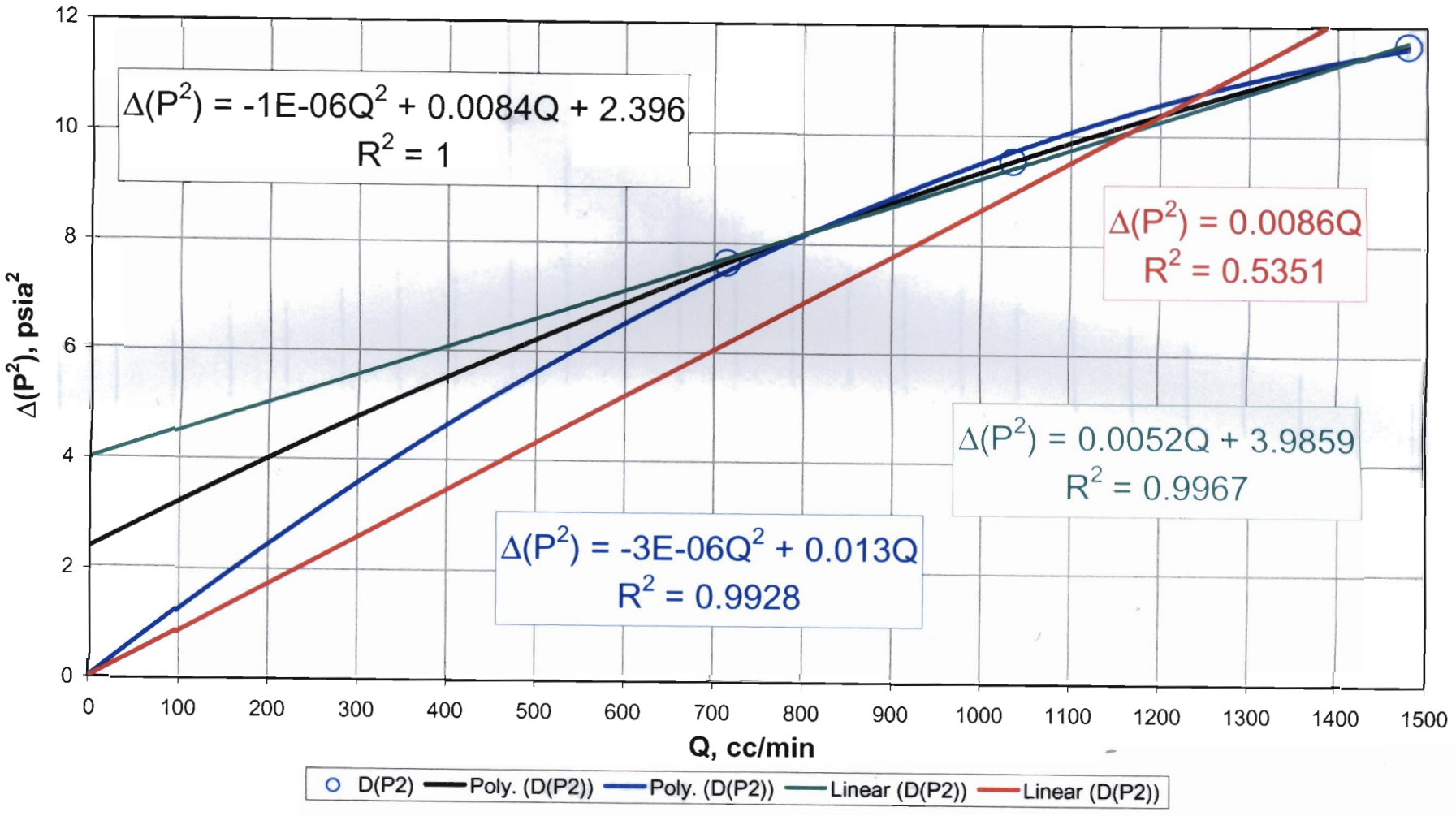
Log-Log plot of differential pressures squared vs. flowrate--used to identify the presence of high-velocity flow effects (when the slope is greater than unity)
V3 Transect: Drillhole 23



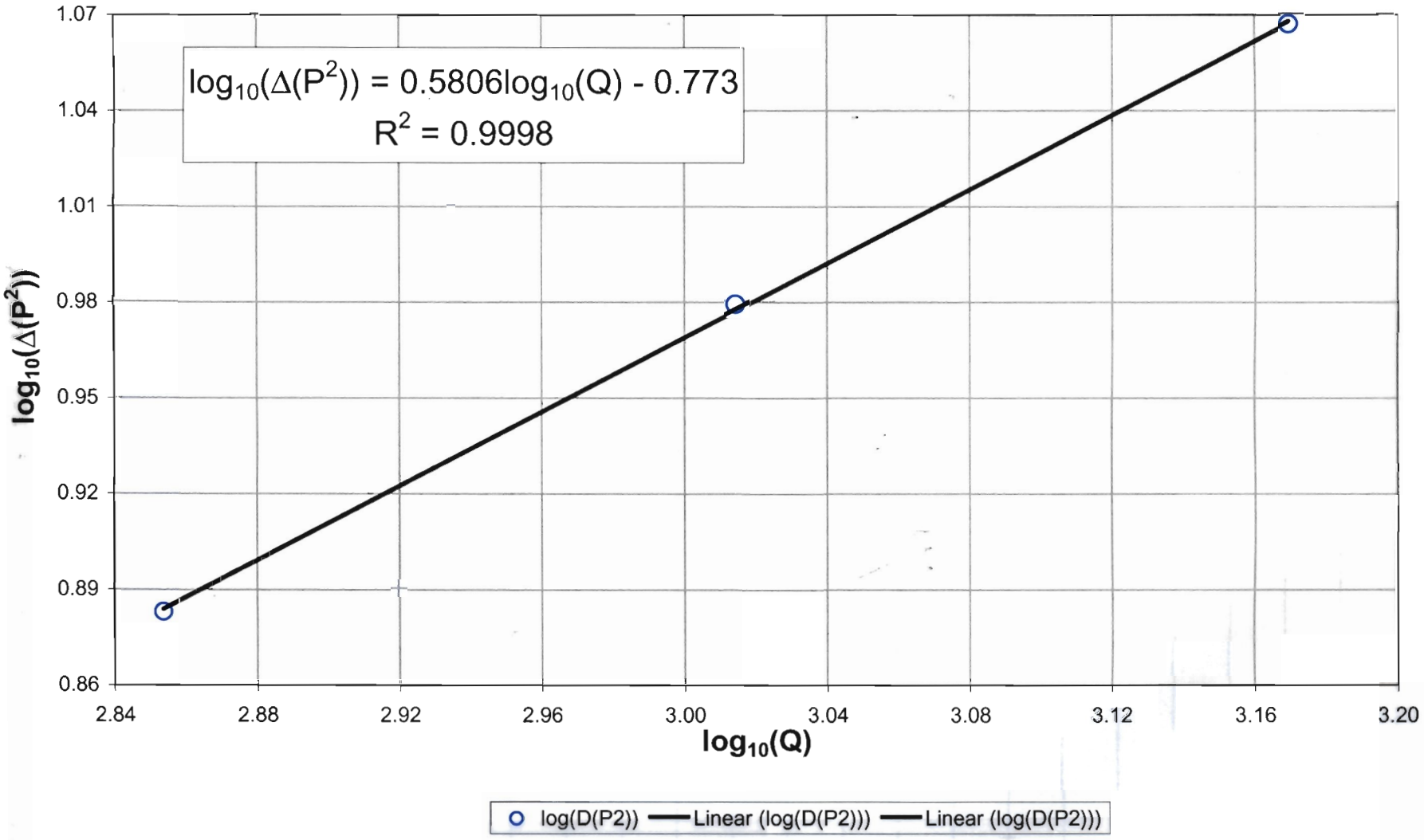
Final check for high velocity flow effects:
High velocity flow effects are present when the slope is non-zero and positive.
V3 Transect: Drillhole 23



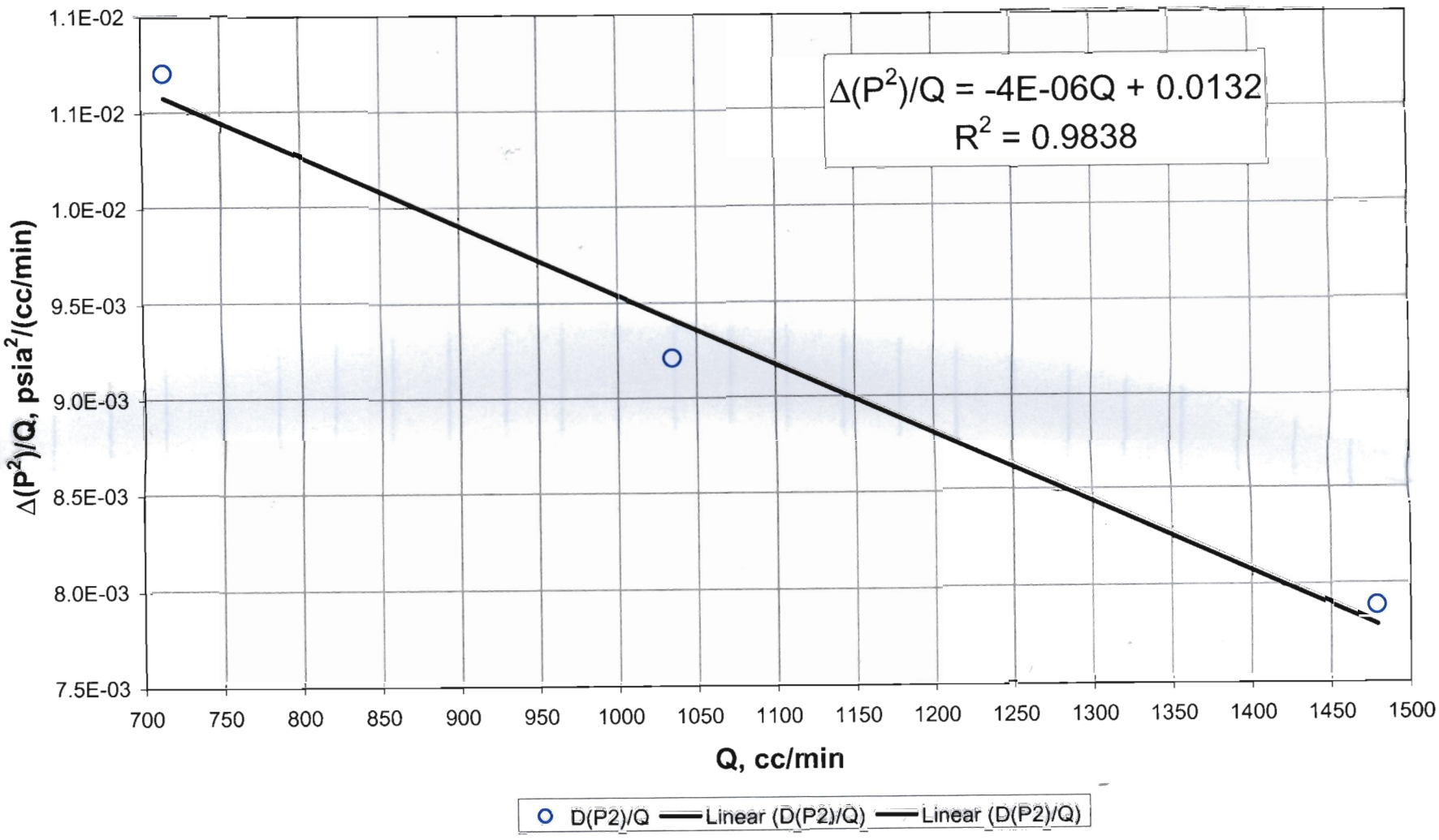
Relationship between steady-state differential pressures squared and flowrate:
If relationship is linear, with the ordinate intercept nearly zero,
there is no high velocity flow effect.
V3 Transect: Drillhole 24



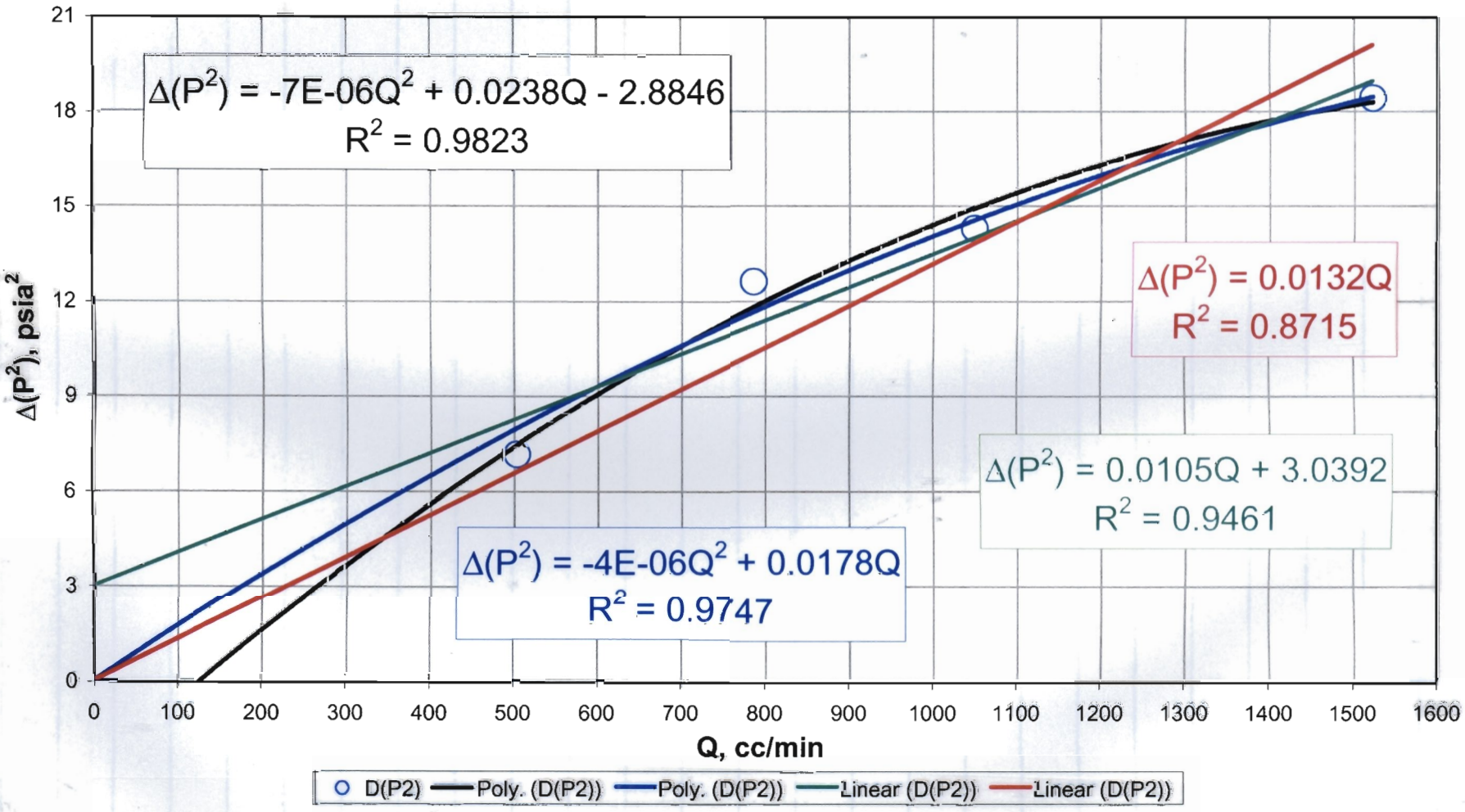
Log-Log plot of differential pressures squared vs. flowrate--used to identify the presence of high-velocity flow effects (when the slope is greater than unity)
V3 Transect: Drillhole 24



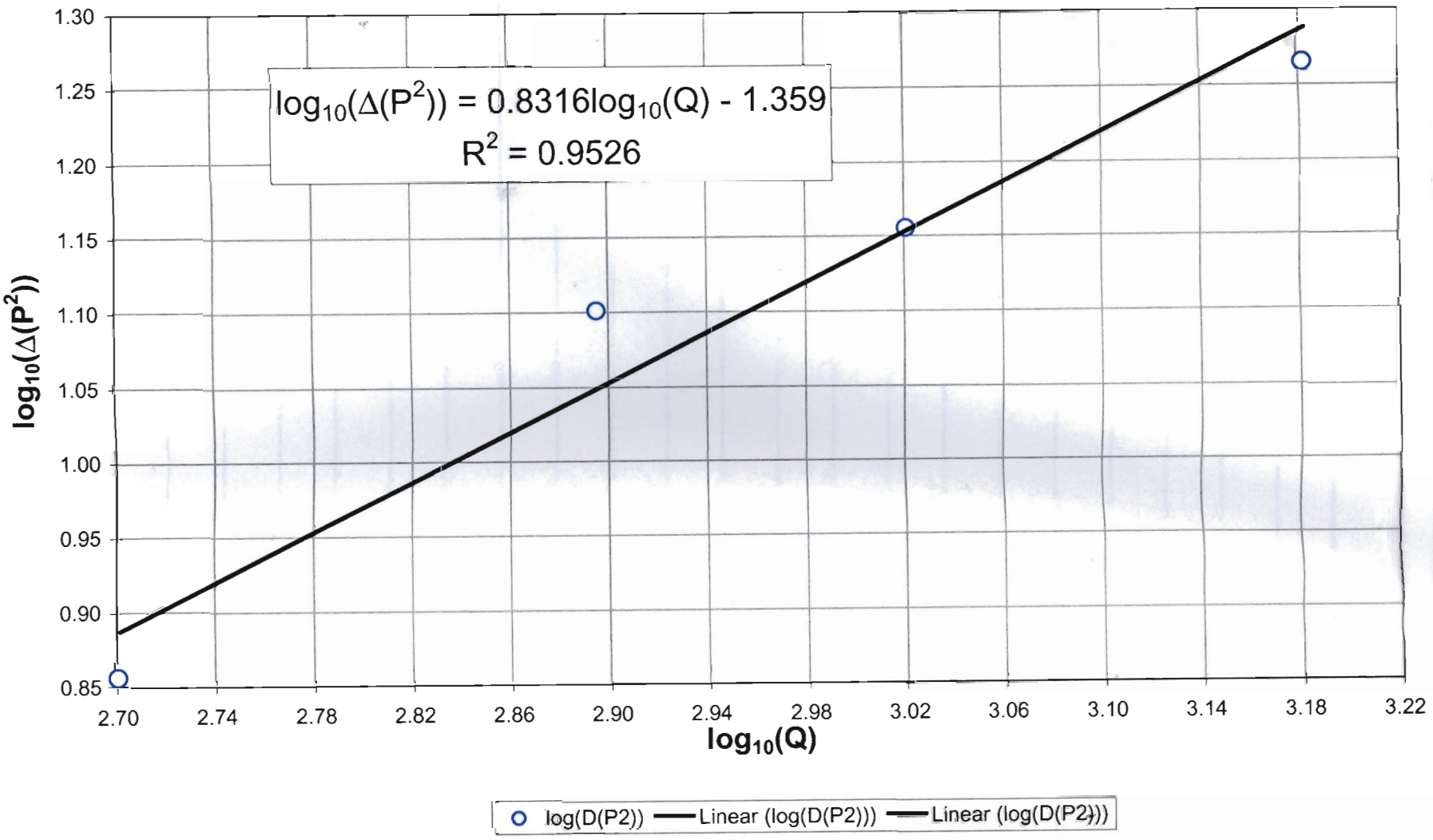
Final check for high velocity flow effects:
High velocity flow effects are present when the slope is non-zero and positive.
V3 Transect: Drillhole 24



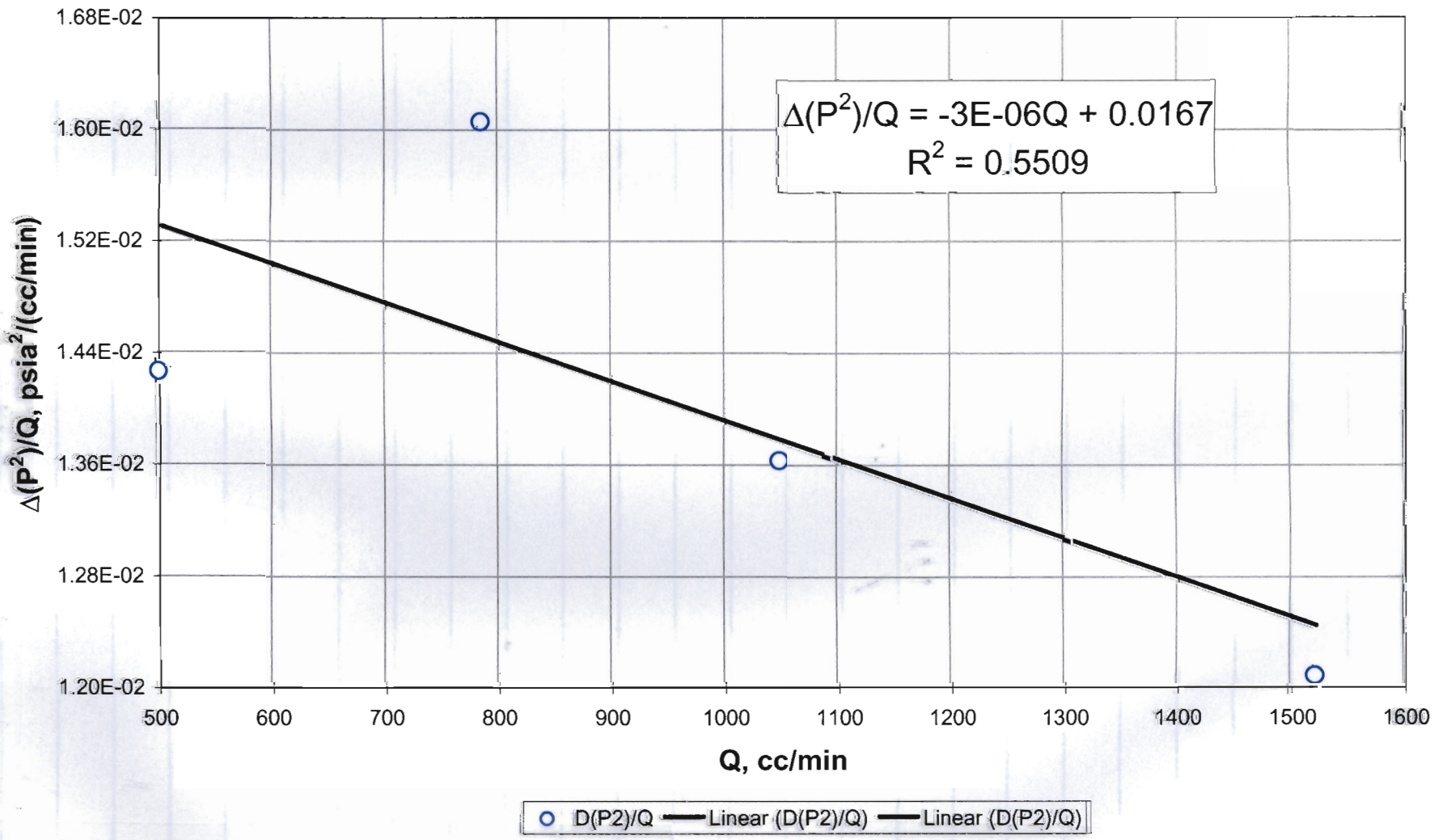
Relationship between steady-state differential pressures squared and flowrate:
If relationship is linear, with the ordinate intercept nearly zero,
there is no high velocity flow effect.
V3 Transect: Drillhole 25



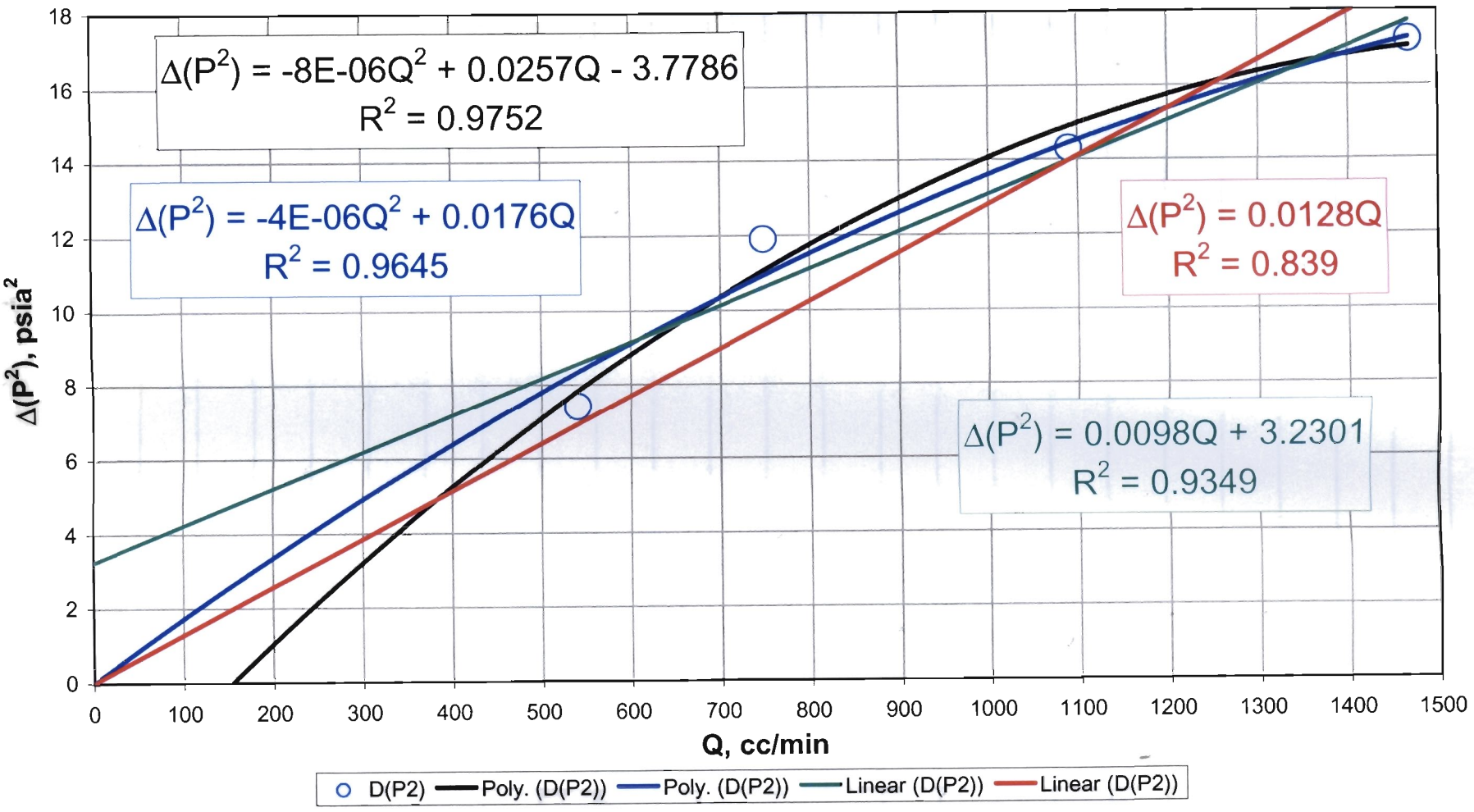
Log-Log plot of differential pressures squared vs. flowrate--used to identify the presence of high-velocity flow effects (when the slope is greater than unity)
V3 Transect: Drillhole 25



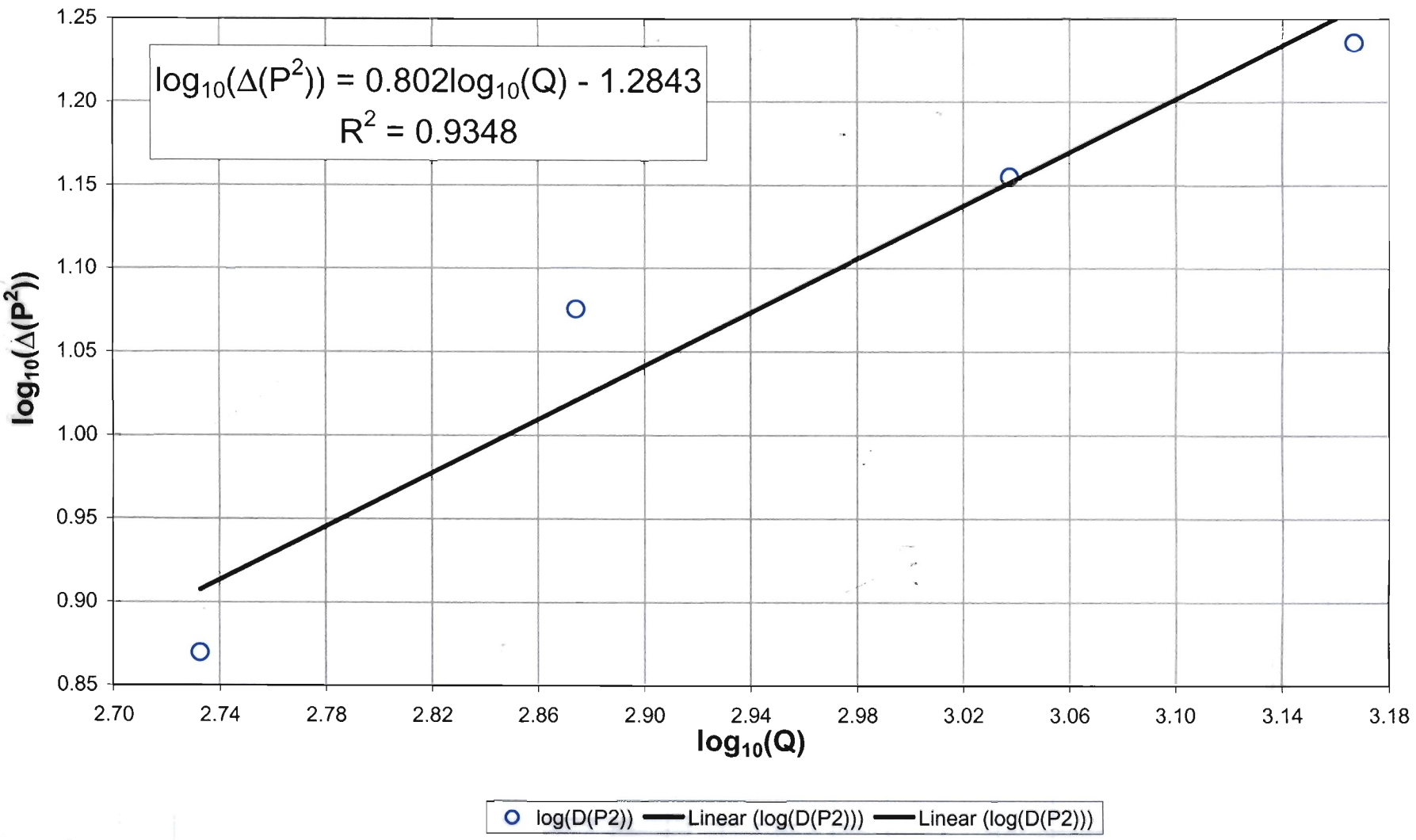
Final check for high velocity flow effects:
High velocity flow effects are present when the slope is non-zero and positive.
V3 Transect: Drillhole 25



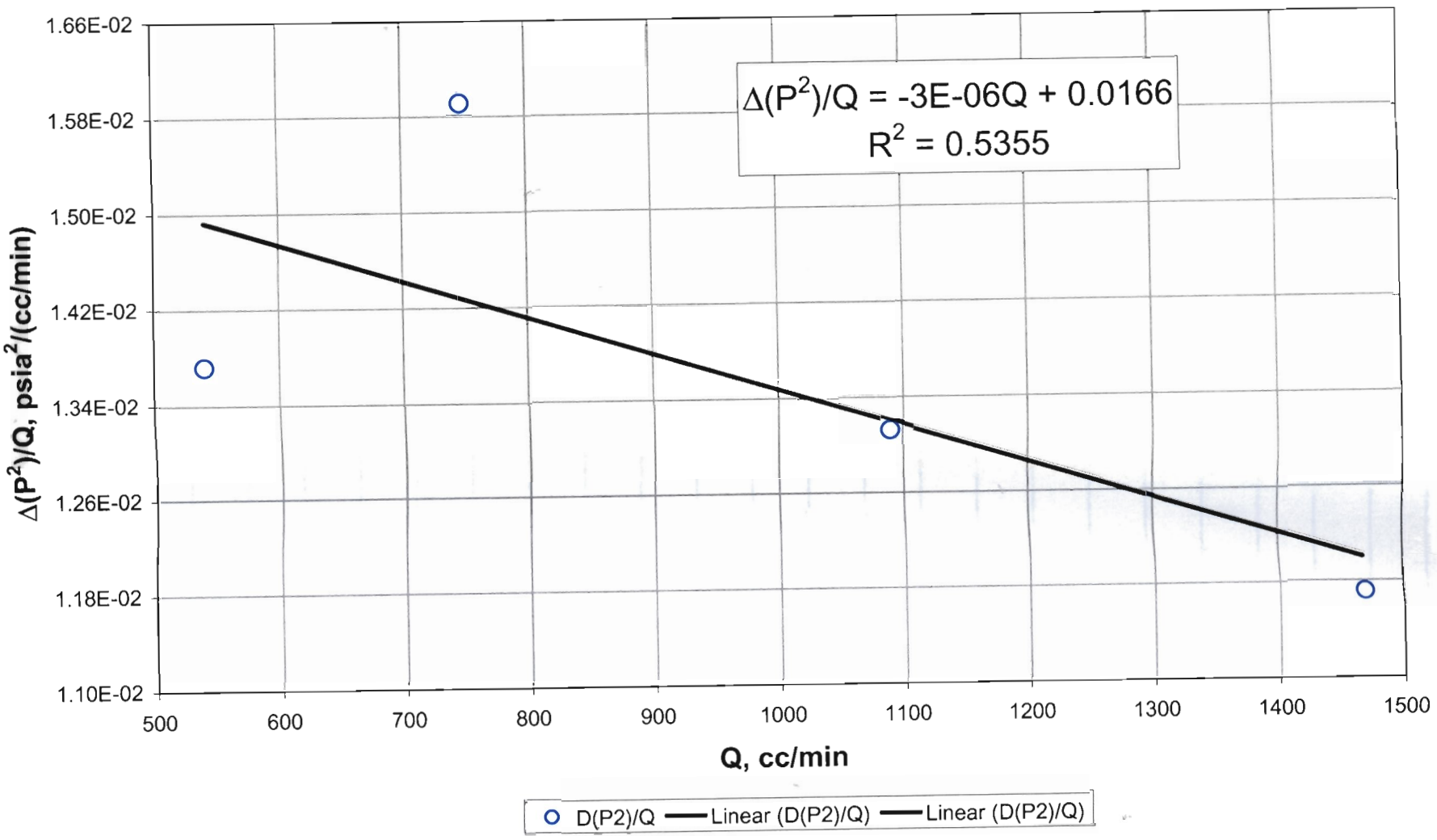
Relationship between steady-state differential pressures squared and flowrate:
If relationship is linear, with the ordinate intercept nearly zero,
there is no high velocity flow effect.
V3 Transect: Drillhole 26



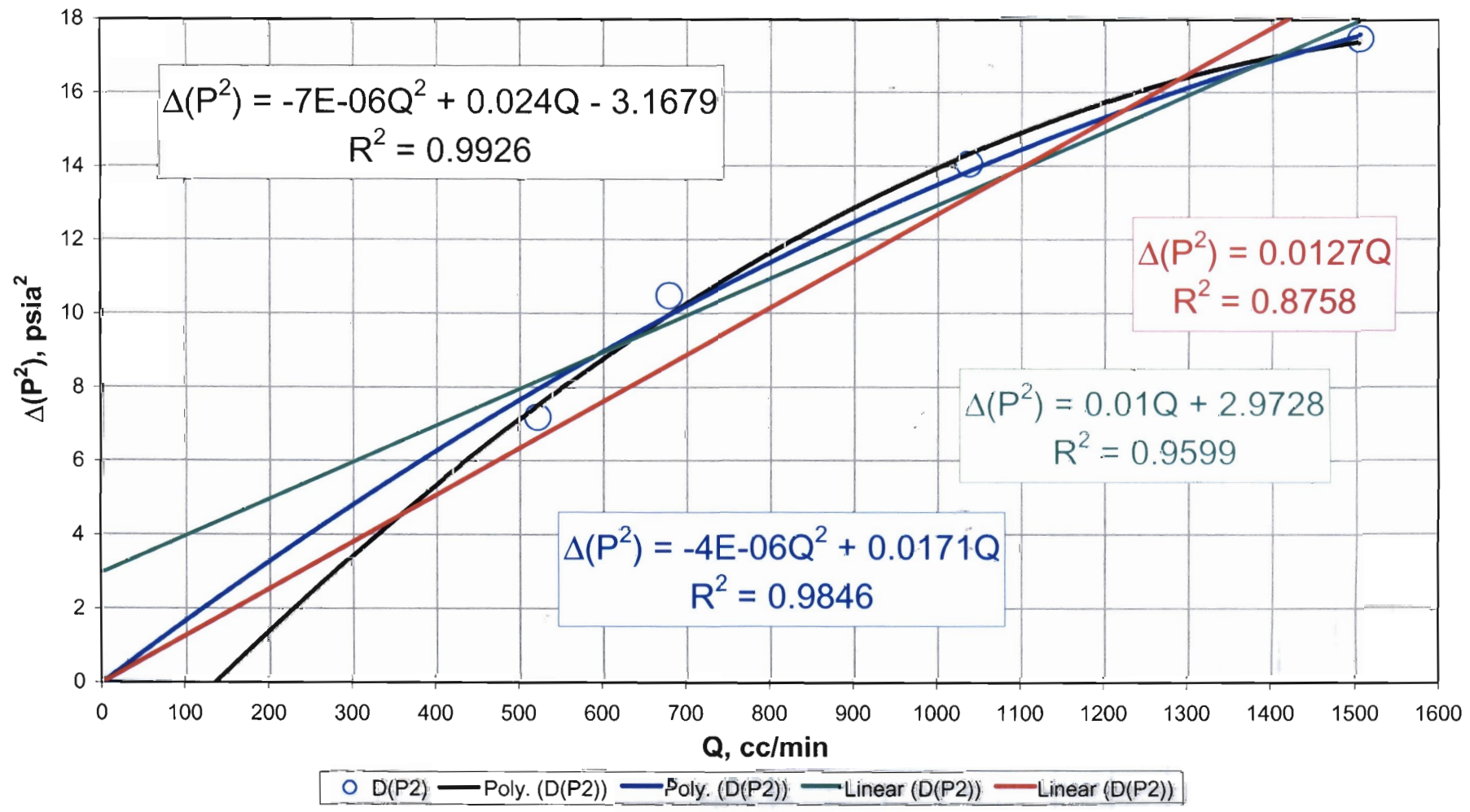
Log-Log plot of differential pressures squared vs. flowrate--used to identify the presence of high-velocity flow effects (when the slope is greater than unity)
V3 Transect: Drillhole 26



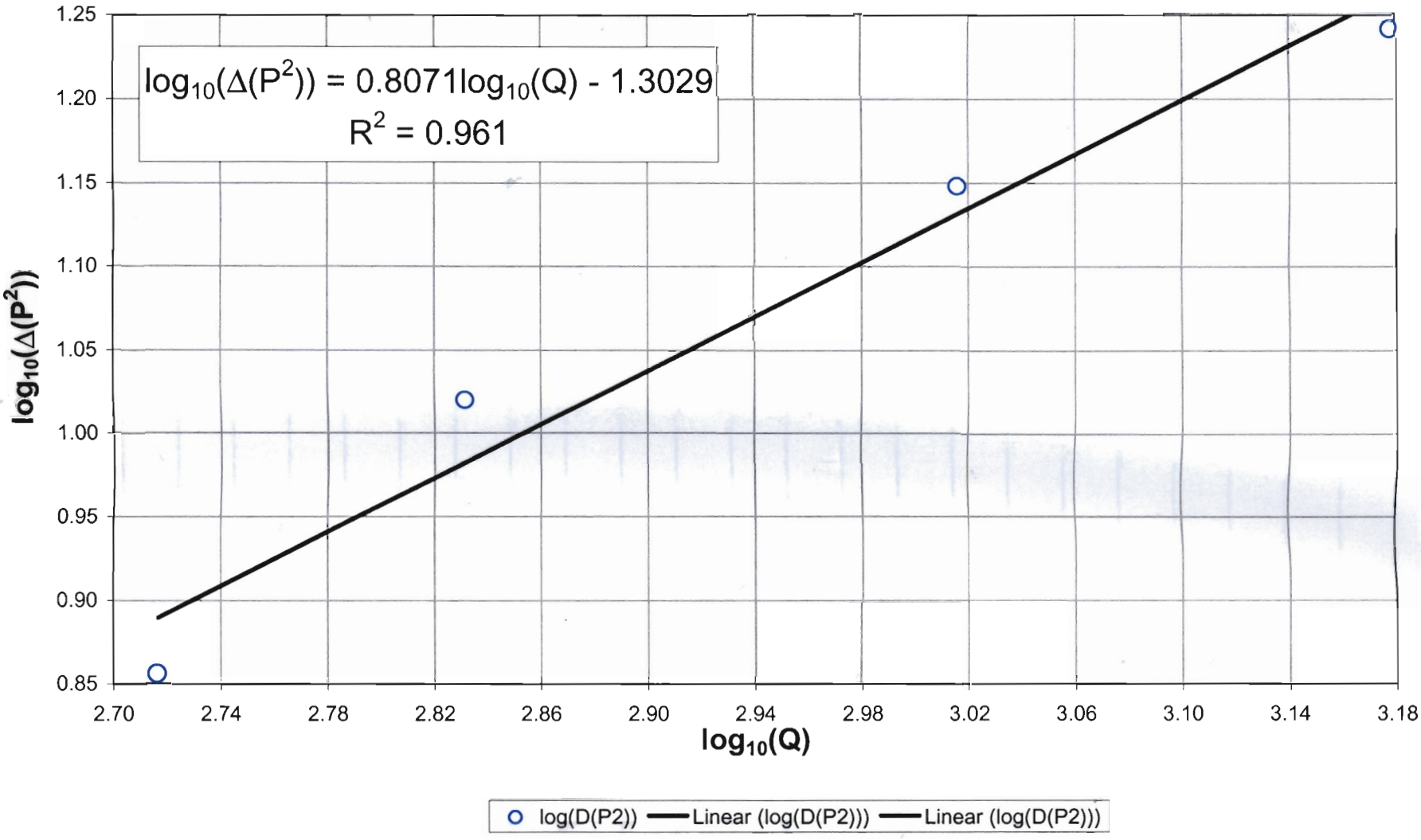
Final check for high velocity flow effects:
High velocity flow effects are present when the slope is non-zero and positive.
V3 Transect: Drillhole 26



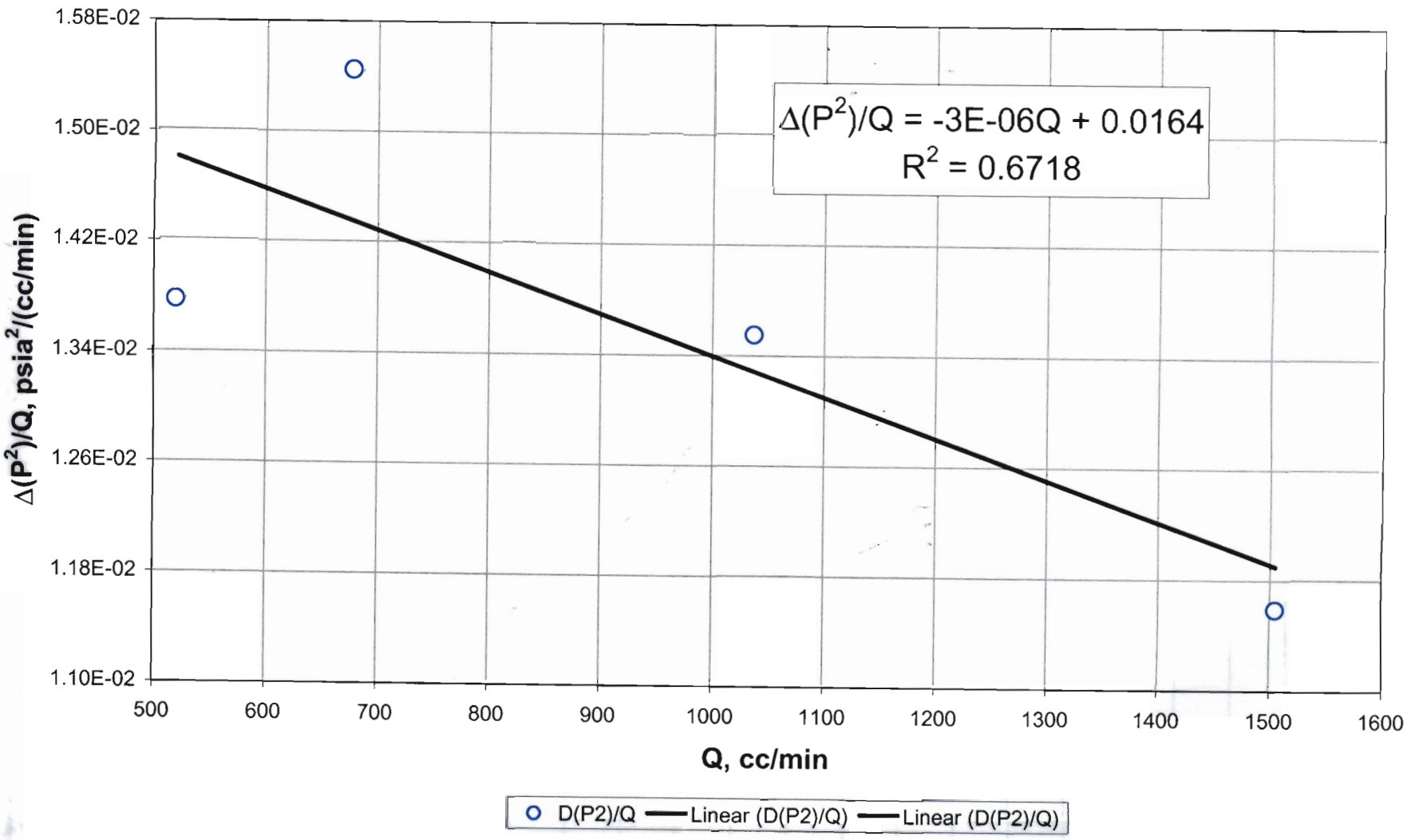
Relationship between steady-state differential pressures squared and flowrate:
If relationship is linear, with the ordinate intercept nearly zero,
there is no high velocity flow effect.
V3 Transect: Drillhole 27



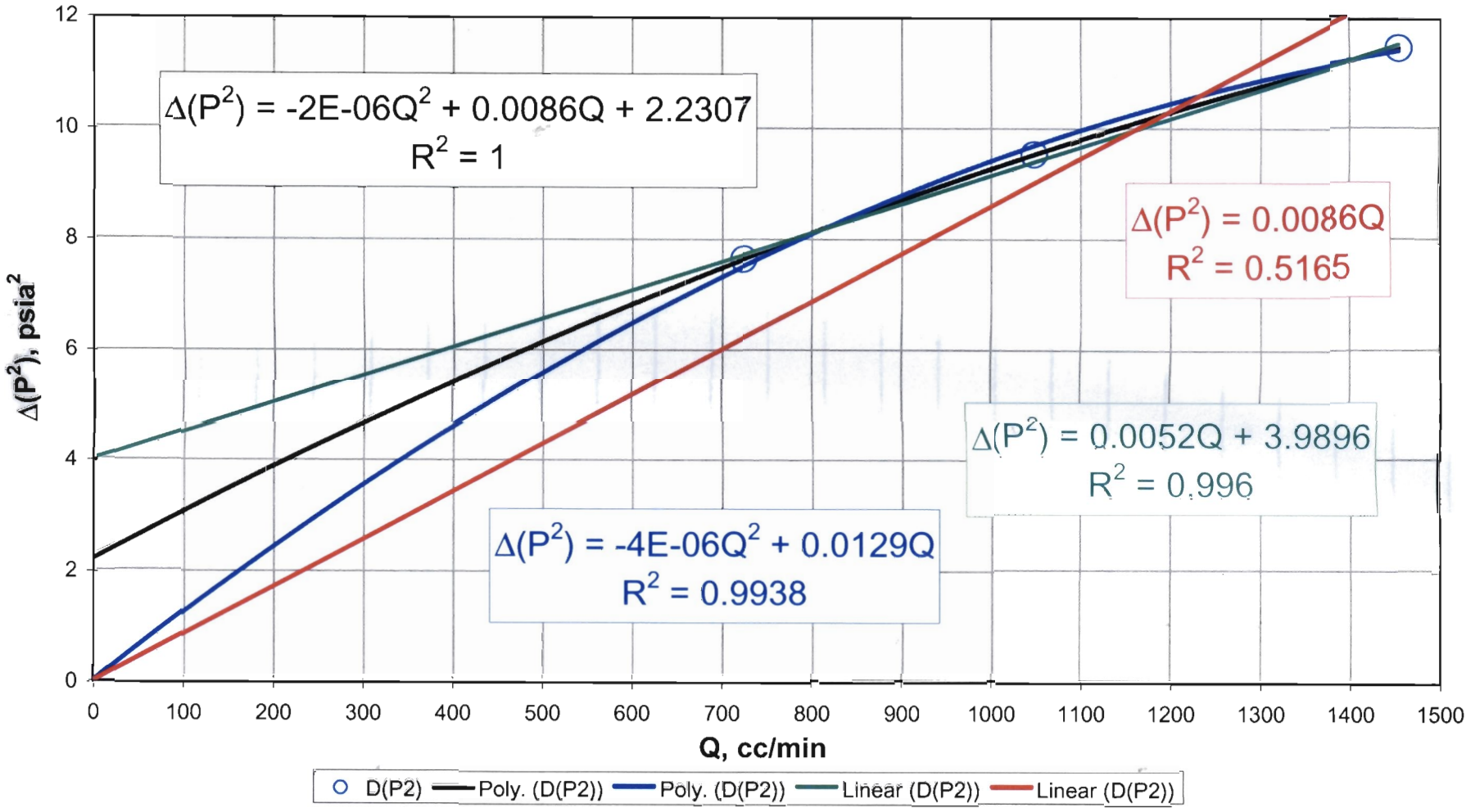
Log-Log plot of differential pressures squared vs. flowrate--used to identify the presence of high-velocity flow effects (when the slope is greater than unity)
V3 Transect: Drillhole 27



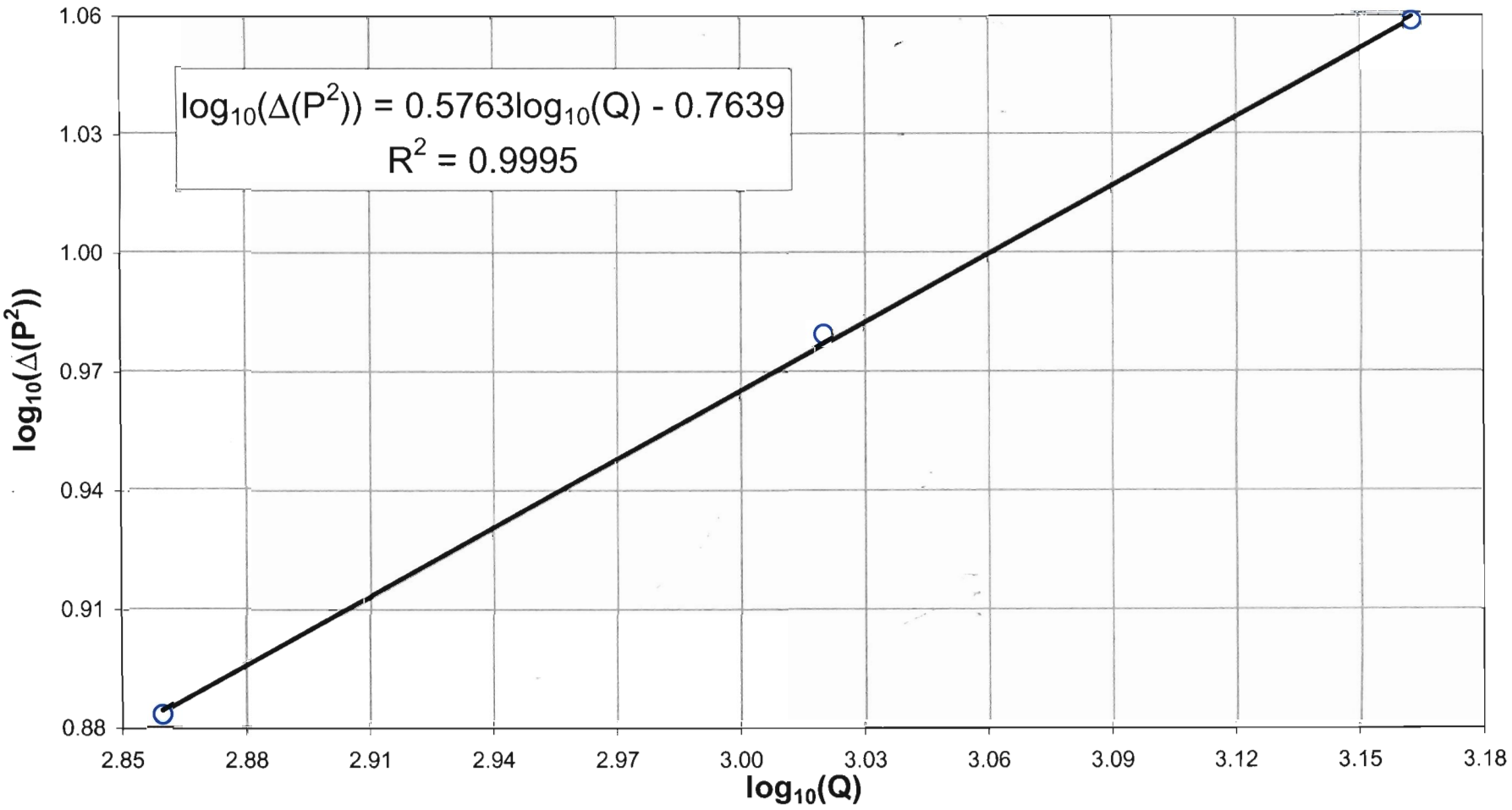
Final check for high velocity flow effects:
High velocity flow effects are present when the slope is non-zero and positive.
V3 Transect: Drillhole 27



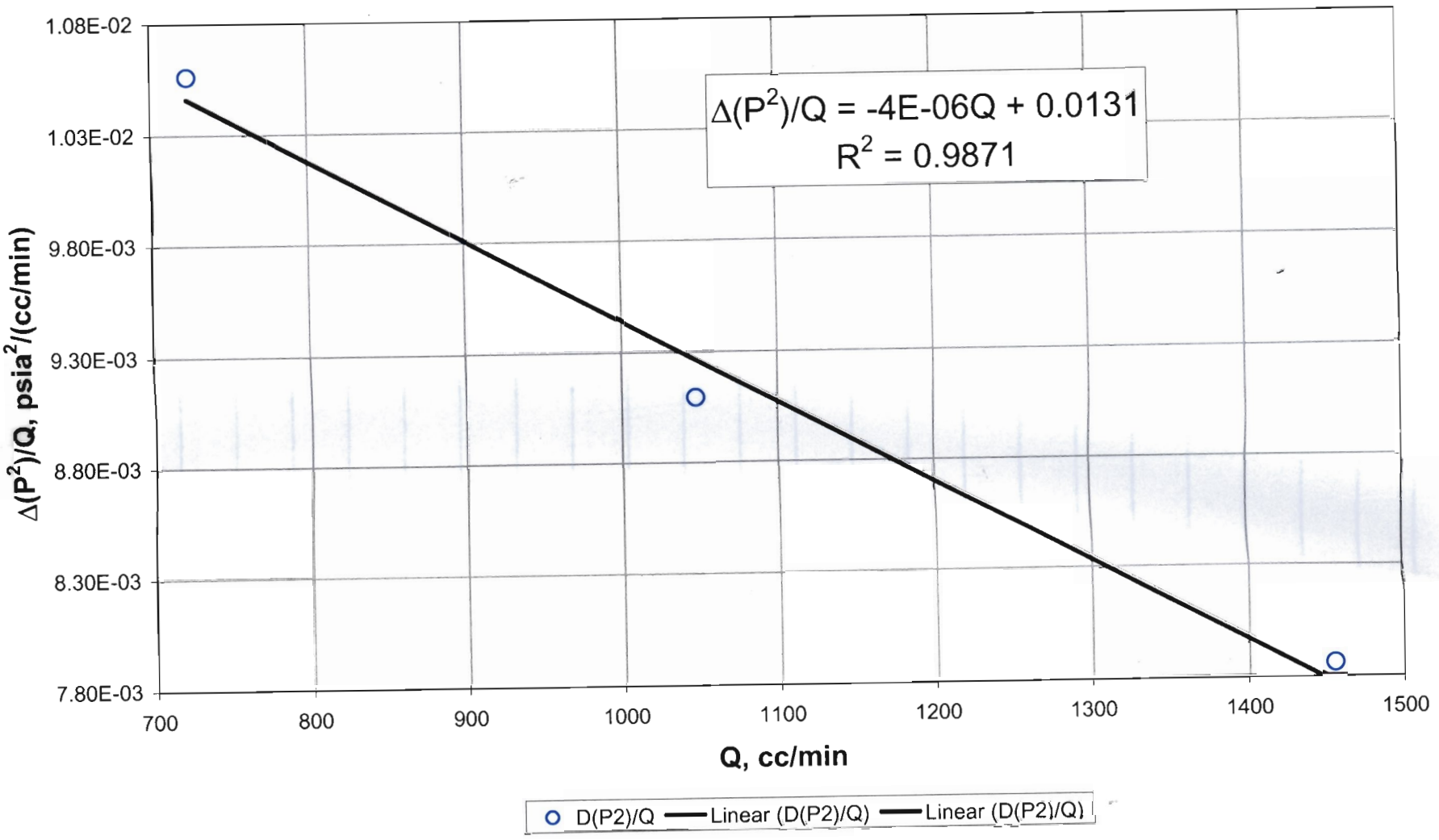
**Relationship between steady-state differential pressures squared and flowrate:
If relationship is linear, with the ordinate intercept nearly zero,
there is no high velocity flow effect.
V3 Transect: Drillhole 28**



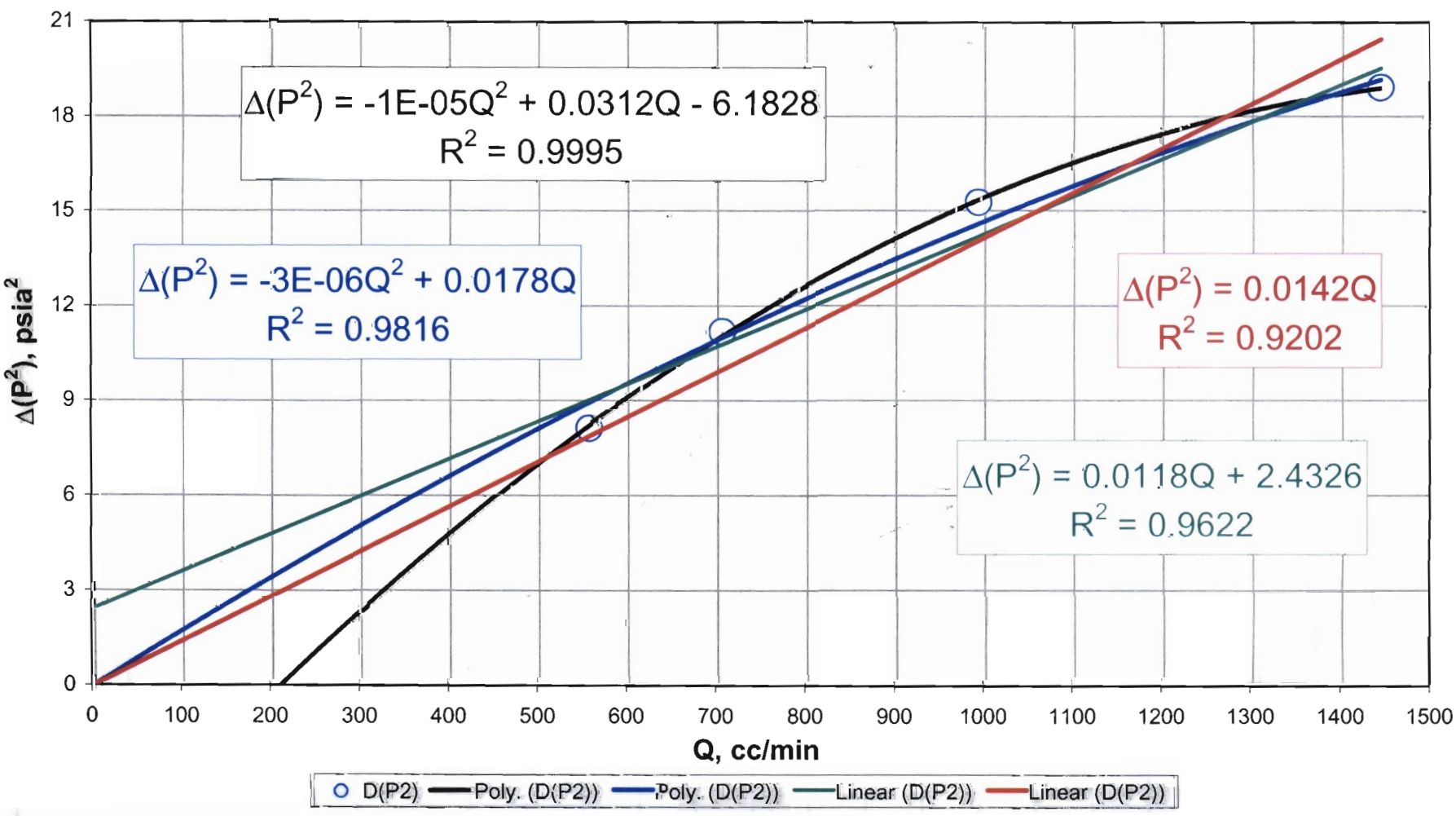
**Log-Log plot of differential pressures squared vs. flowrate--used to identify the presence of high-velocity flow effects (when the slope is greater than unity)
V3 Transect: Drillhole 28**



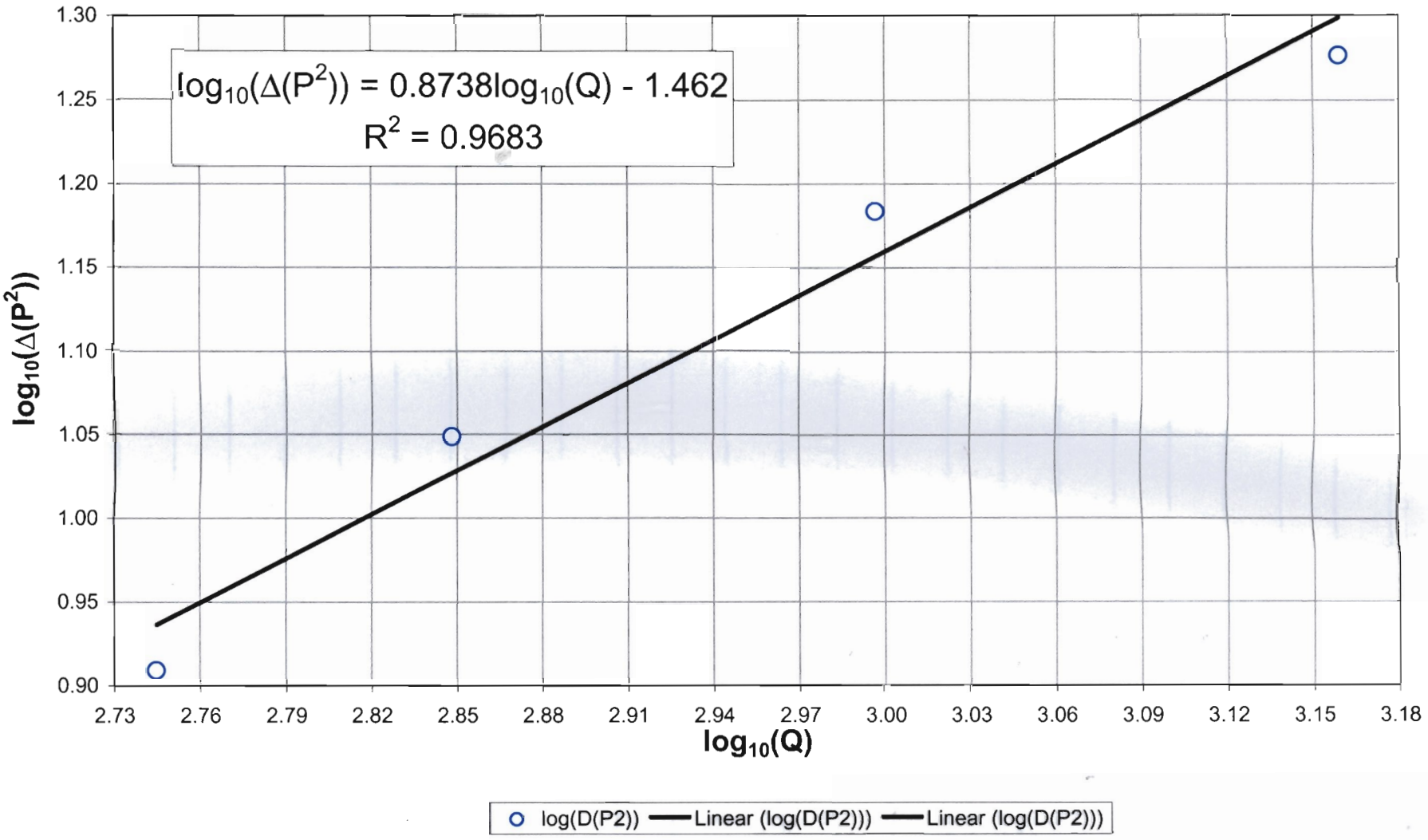
Final check for high velocity flow effects:
High velocity flow effects are present when the slope is non-zero and positive.
V3 Transect: Drillhole 28



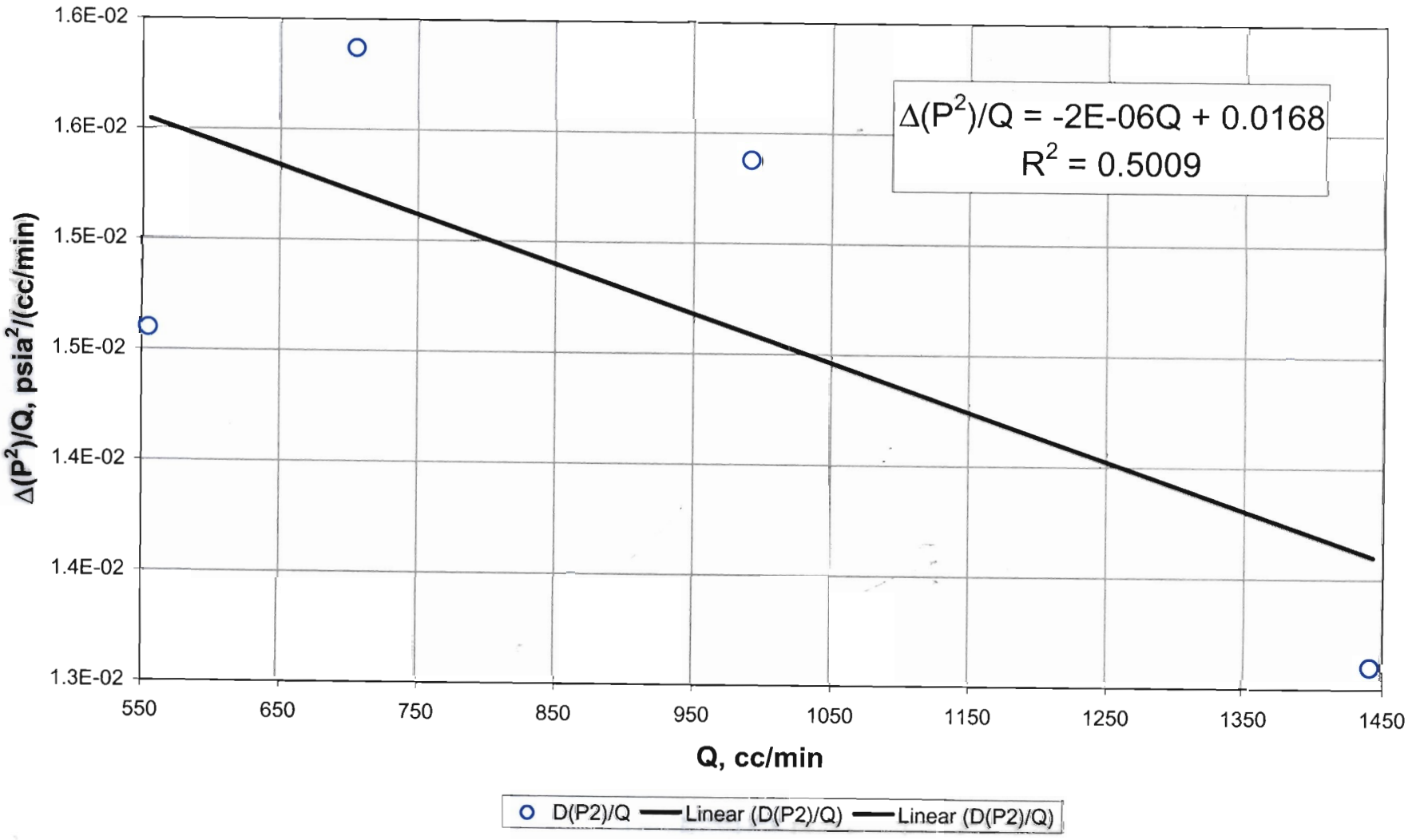
Relationship between steady-state differential pressures squared and flowrate:
If relationship is linear, with the ordinate intercept nearly zero,
there is no high velocity flow effect.
V3 Transect: Drillhole 29



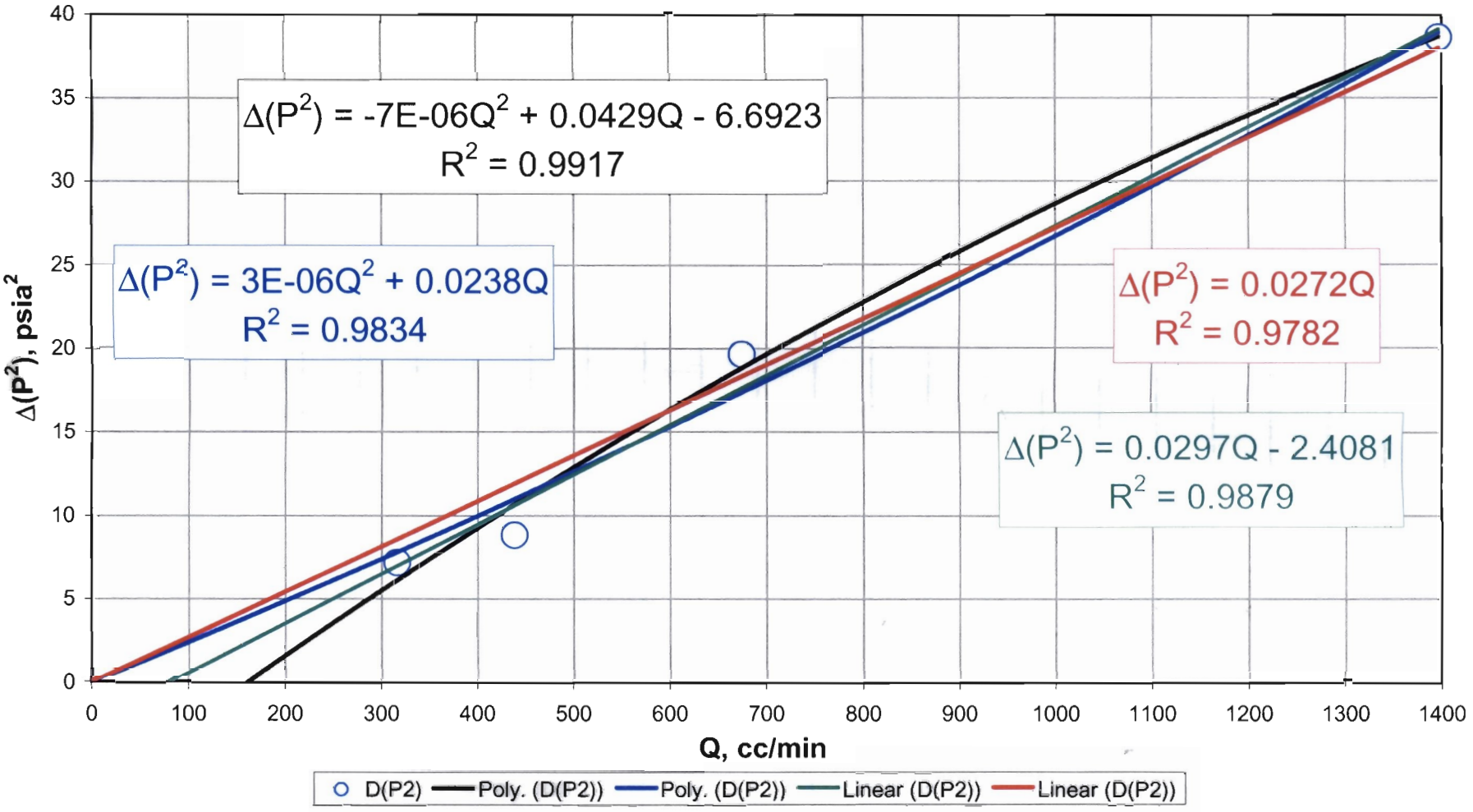
Log-Log plot of differential pressures squared vs. flowrate--used to identify the presence of high-velocity flow effects (when the slope is greater than unity)
V3 Transect: Drillhole 29



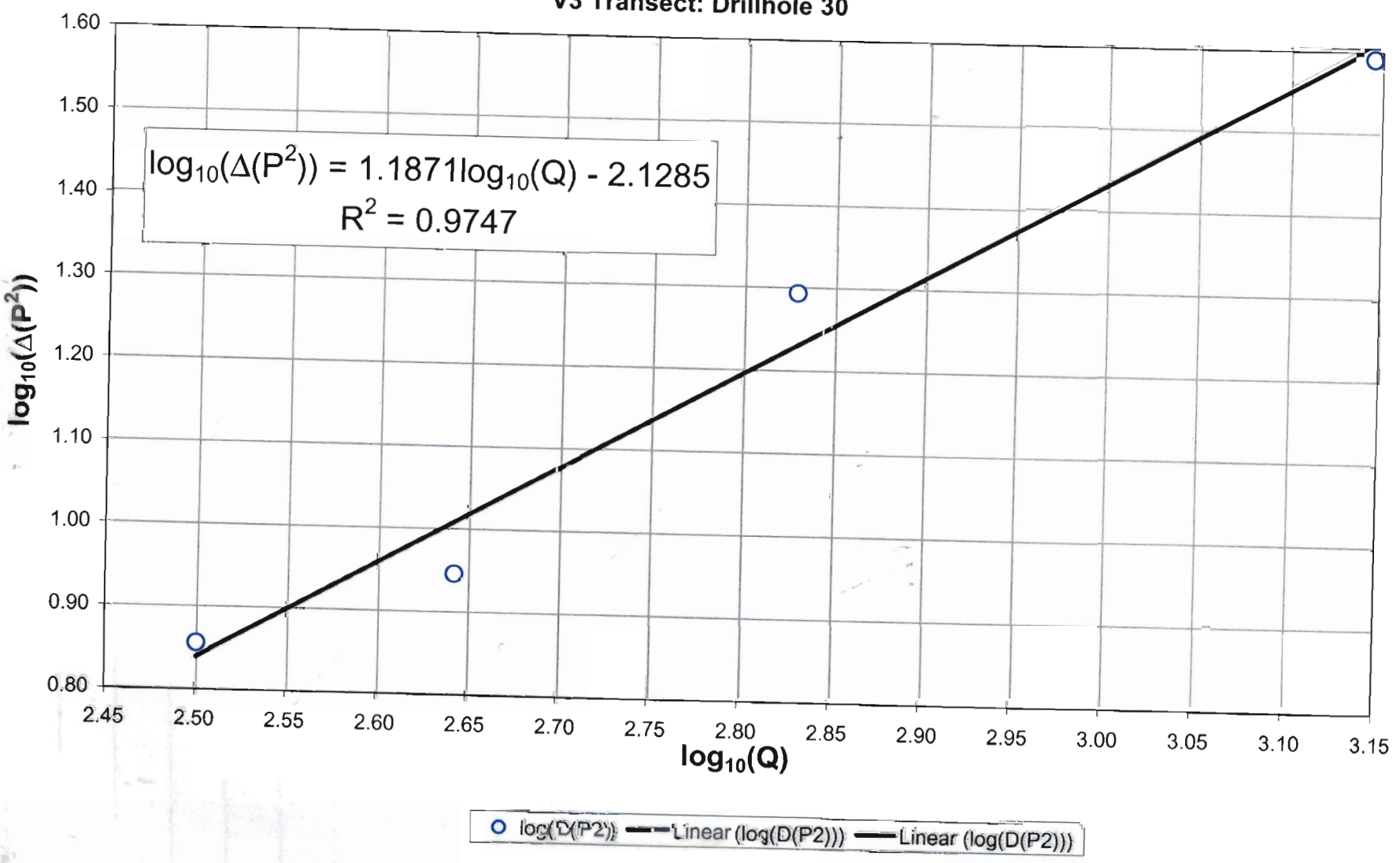
Final check for high velocity flow effects:
High velocity flow effects are present when the slope is non-zero and positive.
V3 Transect: Drillhole 29



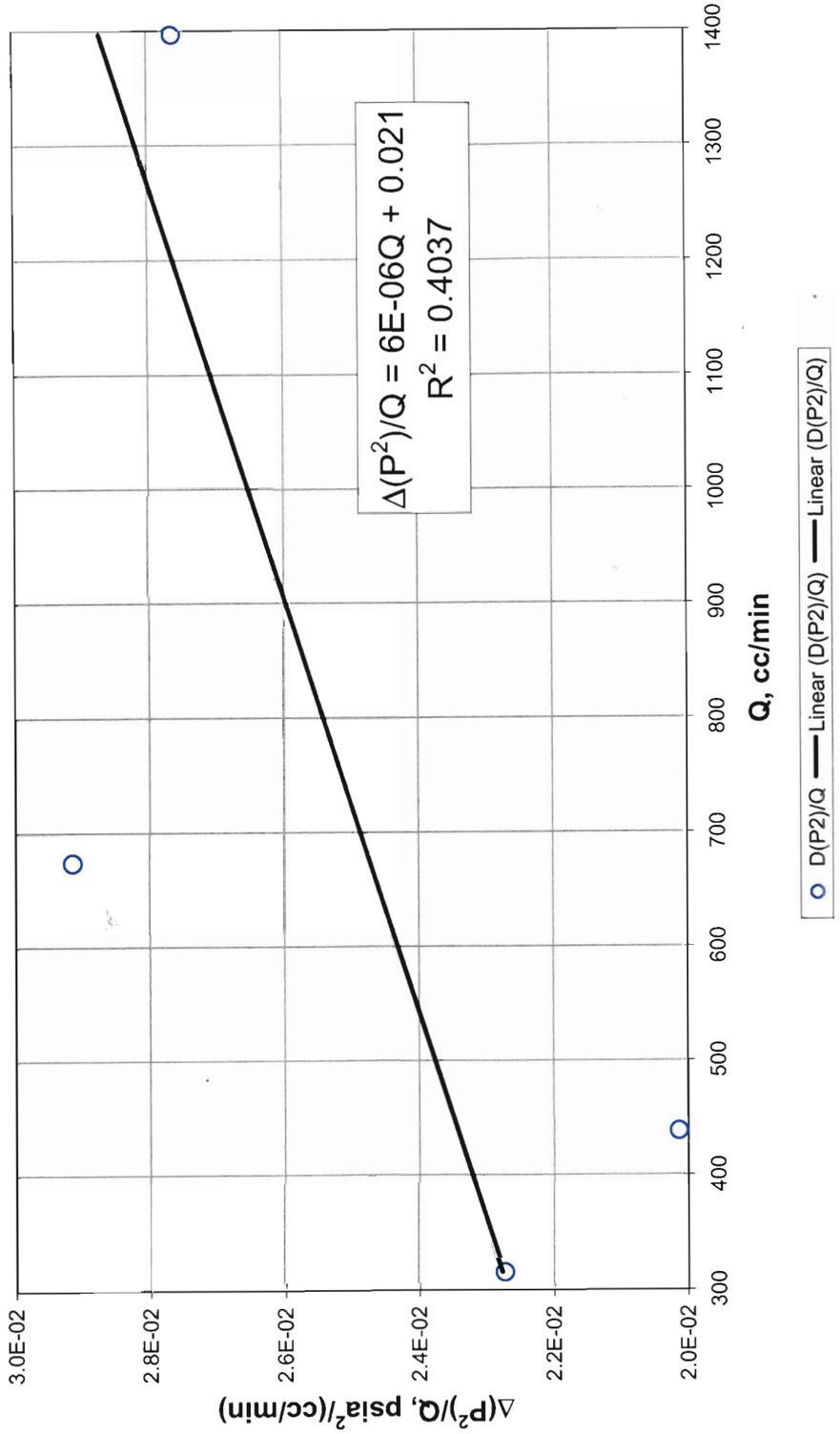
**Relationship between steady-state differential pressures squared and flowrate:
If relationship is linear, with the ordinate intercept nearly zero,
there is no high velocity flow effect.
V3 Transect: Drillhole 30**



**Log-Log plot of differential pressures squared vs. flowrate--used to identify the presence of high-velocity flow effects (when the slope is greater than unity)
V3 Transect: Drillhole 30**



Final check for high velocity flow effects:
High velocity flow effects are present when the slope is non-zero and positive.
V3 Transect: Drillhole 30



RNM, 01/29/03

Sample Name	Field	Well	Depth	Diameter	Length	Operator			
permeability measurement (top)	Escalante, UT	V4.-7	4"	5/8"	4"	robert bridges			
Outside Diam. (in)	Inside Diam. (in)	Geom. Fact.	Ref. Temp. (C)	Viscosity (cp)					
0.92	0.92	7.211	26.5	0.01776					
Date	Time	Flow Press (psia)	Atm. Press (psia)	Flow Rate (cc/min)	Temp. (C)	old Perm. (md)	new Perm. (md)	Sample	Reading
7/7/00	1:39:56 PM	12.731	11.431	1575.6	36.99	919.8943352	936.6084	V4.-7	1
7/7/00	1:41:41 PM	12.401	11.431	952.0	36.99	754.9996122	749.0094	V4.-7	2
7/7/00	1:43:26 PM	12.261	11.431	688.4	36.96	641.6621586	629.0141	V4.-7	3
7/7/00	1:45:34 PM	11.781	11.431	474.6	36.92	1070.149248	1007.4708	V4.-7	4

Sample Name	Field	Well	Depth	Diameter	Length	Operator			
permeability measurement (top)	Escalante, UT	V4.-6	4"	5/8"	4"	robert bridges			
Outside Diam. (in)	Inside Diam. (in)	Geom. Fact.	Ref. Temp. (C)	Viscosity (cp)					
0.92	0.92	7.211	26.5	0.01776					
Date	Time	Flow Press (psia)	Atm. Press (psia)	Flow Rate (cc/min)	Temp. (C)	old Perm. (md)	new Perm. (md)	Sample	Reading
7/7/00	1:26:54 PM	11.751	11.431	486.9	36.89	1202.2141	1128.1422	V4.-6	1
7/7/00	1:28:46 PM	12.171	11.431	700.4	36.92	734.8852209	714.4882	V4.-6	2
7/7/00	1:31:44 PM	12.331	11.431	1038.4	36.92	889.9300811	876.4772	V4.-6	3
7/7/00	1:33:51 PM	12.591	11.431	1544.8	36.92	1016.3004	1021.8061	V4.-6	4

Sample Name	Field	Well	Depth	Diameter	Length	Operator			
permeability measurement (top)	Escalante, UT	V4.-5	4"	5/8"	4"	robert bridges			
Outside Diam. (in)	Inside Diam. (in)	Geom. Fact.	Ref. Temp. (C)	Viscosity (cp)					
0.92	0.92	7.211	26.5	0.01776					
Date	Time	Flow Press (psia)	Atm. Press (psia)	Flow Rate (cc/min)	Temp. (C)	old Perm. (md)	new Perm. (md)	Sample	Reading
7/7/00	1:11:00 PM	12.651	11.431	682.4	36.54	425.2983076	425.7175	V4.-5	1
7/7/00	1:14:11 PM	11.961	11.431	463.9	36.54	684.7286519	648.4234	V4.-5	2
7/7/00	1:16:15 PM	11.751	11.431	253.0	36.62	624.142849	581.9079	V4.-5	3
7/7/00	1:20:04 PM	13.041	11.431	1159.6	36.75	539.4611644	559.2714	V4.-5	4

Sample Name	Field	Well	Depth	Diameter	Length	Operator			
permeability measurement (top)	Escalante, UT	V4.-4	4"	5/8"	4"	robert bridges			
Outside Diam. (in)	Inside Diam. (in)	Geom. Fact.	Ref. Temp. (C)	Viscosity (cp)					
0.92	0.92	7.211	26.0	0.01774					
Date	Time	Flow Press (psia)	Atm. Press (psia)	Flow Rate (cc/min)	Temp. (C)	old Perm. (md)	new Perm. (md)	Sample	Reading
7/7/00	1:05:19 PM	11.911	11.431	197.2	36.55	322.6149409	303.8118	V4.-4	1
7/7/00	1:07:03 PM	12.341	11.431	486.5	36.59	412.4385923	402.6521	V4.-4	2
7/7/00	1:08:43 PM	13.371	11.431	687.6	36.55	262.2682083	276.9110	V4.-4	3

RNM, 01/29/03

Sample Name	Field	Well	Depth	Diameter	Length	Operator			
permeability measurement (top)	Escalante, UT	V4.-3	4"	5/8"	4"	robert bridges			
Outside Diam.	Inside Diam.	Geom. Fact.	Ref. Temp.	Viscosity					
(in)	(in)		(C)	(cp)					
0.92	0.92	7.211	26.0	0.01774					
Date	Time	Flow Press (psia)	Atm. Press (psia)	Flow Rate (cc/min)	Temp. (C)	old Perm. (md)	new Perm. (md)	Sample	Reading
7/7/00	12:45:46 PM	13.035	11.435	734.0	35.85	343.3125528	347.3632	V4.-3	1
7/7/00	12:49:21 PM	12.105	11.435	465.2	35.86	539.7217552	507.6624	V4.-3	2
7/7/00	12:53:33 PM	11.795	11.435	200.6	35.95	438.9290723	403.2901	V4.-3	3

Sample Name	Field	Well	Depth	Diameter	Length	Operator			
permeability measurement (top)	Escalante, UT	V4.-2	4"	5/8"	4"	robert bridges			
Outside Diam.	Inside Diam.	Geom. Fact.	Ref. Temp.	Viscosity					
(in)	(in)		(C)	(cp)					
0.92	0.92	7.211	26.0	0.01774					
Date	Time	Flow Press (psia)	Atm. Press (psia)	Flow Rate (cc/min)	Temp. (C)	old Perm. (md)	new Perm. (md)	Sample	Reading
7/7/00	12:37:32 PM	12.605	11.435	201.0	35.83	130.8086956	127.9696	V4.-2	1
7/7/00	12:39:22 PM	13.335	11.435	432.4	35.88	168.3074103	174.2982	V4.-2	2
7/7/00	12:41:10 PM	16.025	11.435	730.8	35.88	106.4244978	132.1835	V4.-2	3

Sample Name	Field	Well	Depth	Diameter	Length	Operator			
permeability measurement (top)	Escalante, UT	V4.-1	4"	5/8"	4"	robert bridges			
Outside Diam.	Inside Diam.	Geom. Fact.	Ref. Temp.	Viscosity					
(in)	(in)		(C)	(cp)					
0.92	0.92	7.211	26.0	0.01774					
Date	Time	Flow Press (psia)	Atm. Press (psia)	Flow Rate (cc/min)	Temp. (C)	old Perm. (md)	new Perm. (md)	Sample	Reading
7/7/00	12:28:40 PM	13.995	11.435	705.2	35.69	198.4190	214.5294	V4.-1	1
7/7/00	12:30:44 PM	12.535	11.435	448.7	35.68	311.3385984	301.7769	V4.-1	2
7/7/00	12:33:44 PM	12.085	11.435	208.2	35.71	249.0707507	233.0280	V4.-1	3

Sample Name	Field	Well	Depth	Diameter	Length	Operator			
permeability measurement (top)	Escalante, UT	V4.0	4"	5/8"	4"	robert bridges			
Outside Diam.	Inside Diam.	Geom. Fact.	Ref. Temp.	Viscosity					
(in)	(in)		(C)	(cp)					
0.92	0.92	7.211	26.0	0.01774					
Date	Time	Flow Press (psia)	Atm. Press (psia)	Flow Rate (cc/min)	Temp. (C)	old Perm. (md)	new Perm. (md)	Sample	Reading
7/7/00	12:21:42 PM	11.935	11.435	197.4	35.71	308.9342232	285.4777	V4.0	1
7/7/00	12:23:26 PM	12.335	11.435	465.6	35.74	398.1741979	380.4315	V4.0	2
7/7/00	12:25:21 PM	13.445	11.435	704.8	35.69	258.0406529	268.1441	V4.0	3

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Sample Name	Field	Well	Depth	Diameter	Length	Operator			
permeability measurement (top)	Escalante, UT	V4.1	4"	5/8"	4"	robert bridges			
Outside Diam.	Inside Diam.	Geom. Fact.	Ref. Temp.	Viscosity					
(in)	(in)		(C)	(cp)					
0.92	0.92	7.211	26.0	0.01774					
Date	Time	Flow Press (psia)	Atm. Press (psia)	Flow Rate (cc/min)	Temp. (C)	old Perm. (md)	new Perm. (md)	Sample	Reading
7/7/00	12:13:46 PM	12.555	11.435	723.2	35.51	492.1551007	475.7941	V4.1	1
7/7/00	12:16:43 PM	11.895	11.435	456.0	35.60	776.7032384	713.4248	V4.1	2
7/7/00	12:19:16 PM	11.745	11.435	283.9	35.65	722.2097605	655.9101	V4.1	3

Sample Name	Field	Well	Depth	Diameter	Length	Operator			
permeability measurement (top)	Escalante, UT	V4.2	4"	5/8"	4"	robert bridges			
Outside Diam.	Inside Diam.	Geom. Fact.	Ref. Temp.	Viscosity					
(in)	(in)		(C)	(cp)					
0.92	0.92	7.211	26.0	0.01774					
Date	Time	Flow Press (psia)	Atm. Press (psia)	Flow Rate (cc/min)	Temp. (C)	old Perm. (md)	new Perm. (md)	Sample	Reading
7/7/00	12:06:40 PM	12.505	11.435	180.0	35.26	128.3764826	122.8491	V4.2	1
7/7/00	12:08:09 PM	13.385	11.435	471.3	35.34	178.0803256	182.6364	V4.2	2
7/7/00	12:10:38 PM	15.755	11.435	724.8	35.45	113.0831448	136.6474	V4.2	3

Sample Name	Field	Well	Depth	Diameter	Length	Operator			
permeability measurement (top)	Escalante, UT	v4.3	4"	5/8"	4"	robert bridges			
Outside Diam.	Inside Diam.	Geom. Fact.	Ref. Temp.	Viscosity					
(in)	(in)		(C)	(cp)					
0.92	0.92	7.211	24.0	0.01765					
Date	Time	Flow Press (psia)	Atm. Press (psia)	Flow Rate (cc/min)	Temp. (C)	old Perm. (md)	new Perm. (md)	Sample	Reading
7/9/00	12:08:57 PM	12.605	11.435	193.6	25.45	122.2317964	94.4014	V4.3	1
7/9/00	12:11:15 PM	13.485	11.435	484.3	25.95	168.7553003	141.8286	V4.3	2
7/9/00	12:13:09 PM	15.025	11.435	679.6	26.46	127.7207359	121.6008	V4.3	3

Sample Name	Field	Well	Depth	Diameter	Length	Operator			
permeability measurement (top)	Escalante, UT	V4.4	4"	5/8"	4"	robert bridges			
Outside Diam.	Inside Diam.	Geom. Fact.	Ref. Temp.	Viscosity					
(in)	(in)		(C)	(cp)					
0.92	0.92	7.211	26.0	0.01774					
Date	Time	Flow Press (psia)	Atm. Press (psia)	Flow Rate (cc/min)	Temp. (C)	old Perm. (md)	new Perm. (md)	Sample	Reading
7/7/00	11:52:22 AM	14.09	11.44	744.0	34.57	200.7961125	212.3871	V4.4	1
7/7/00	11:56:25 AM	12.52	11.44	446.7	34.86	315.0993038	298.7298	V4.4	2
7/7/00	11:59:17 AM	12.07	11.44	191.6	35.06	236.141298	216.6801	V4.4	3

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Sample Name	Field	Well	Depth	Diameter	Length	Operator			
permeability measurement (top)	Escalante, UT	V4.5	4"	5/8"	4"	robert bridges			
Outside Diam.	Inside Diam.	Geom. Fact.	Ref. Temp.	Viscosity					
(in)	(in)		(C)	(cp)					
0.92	0.92	7.211	25.0	0.01769					
Date	Time	Flow Press (psia)	Atm. Press (psia)	Flow Rate (cc/min)	Temp. (C)	old Perm. (md)	new Perm. (md)	Sample	Reading
7/7/00	11:44:09 AM	11.88	11.44	202.9	33.86	360.7790	327.2353	V4.5	1
7/7/00	11:47:52 AM	12.21	11.44	473.4	34.20	474.9577332	446.5849	V4.5	2
7/7/00	11:49:18 AM	13.16	11.44	700.4	34.32	302.7946184	307.5684	V4.5	3

Sample Name	Field	Well	Depth	Diameter	Length	Operator			
permeability measurement (top)	Escalante, UT	V4.6	4"	5/8"	4"	robert bridges			
Outside Diam.	Inside Diam.	Geom. Fact.	Ref. Temp.	Viscosity					
(in)	(in)		(C)	(cp)					
0.92	0.92	7.211	25.0	0.01769					
Date	Time	Flow Press (psia)	Atm. Press (psia)	Flow Rate (cc/min)	Temp. (C)	old Perm. (md)	new Perm. (md)	Sample	Reading
7/7/00	11:36:15 AM	14.31	11.44	715.6	33.23	176.6526759	189.4249	V4.6	1
7/7/00	11:38:57 AM	12.73	11.44	474.2	33.46	277.3255262	266.5050	V4.6	2
7/7/00	11:41:34 AM	12.16	11.44	192.2	33.69	206.308356	190.6336	V4.6	3

Sample Name	Field	Well	Depth	Diameter	Length	Operator			
permeability measurement (top)	Escalante, UT	V4.7	4"	5/8"	4"	robert bridges			
Outside Diam.	Inside Diam.	Geom. Fact.	Ref. Temp.	Viscosity					
(in)	(in)		(C)	(cp)					
0.92	0.92	7.211	24.5	0.01767					
Date	Time	Flow Press (psia)	Atm. Press (psia)	Flow Rate (cc/min)	Temp. (C)	old Perm. (md)	new Perm. (md)	Sample	Reading
7/7/00	11:31:00 AM	11.84	11.44	194.4	32.68	380.0441888	338.6931	V4.7	1
7/7/00	11:32:21 AM	12.16	11.44	475.6	32.85	509.9686093	468.7978	V4.7	2
7/7/00	11:33:50 AM	13.04	11.44	714.8	33.02	332.9498181	329.4785	V4.7	3

Sample Name	Field	Well	Depth	Diameter	Length	Operator			
permeability measurement (top)	Escalante, UT	V4.8	4"	5/8"	4"	robert bridges			
Outside Diam.	Inside Diam.	Geom. Fact.	Ref. Temp.	Viscosity					
(in)	(in)		(C)	(cp)					
0.92	0.92	7.211	23.5	0.01763					
Date	Time	Flow Press (psia)	Atm. Press (psia)	Flow Rate (cc/min)	Temp. (C)	old Perm. (md)	new Perm. (md)	Sample	Reading
7/7/00	11:22:36 AM	13.90	11.44	676.0	31.48	196.5270	206.9421	V4.8	1
7/7/00	11:24:04 AM	12.68	11.44	478.6	31.74	289.9591047	280.8628	V4.8	2
7/7/00	11:27:21 AM	12.14	11.44	192.6	32.25	211.6906903	199.2311	V4.8	3

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Sample Name	Field	Well	Depth	Diameter	Length	Operator			
permeability measurement (top)	Escalante, UT	V4.19	4"	5/8"	4"	robert bridges			
Outside Diam.	Inside Diam.	Geom. Fact.	Ref. Temp.	Viscosity					
(in)	(in)		(C)	(cp)					
0.92	0.92	7.211	23.0	0.01761					
Date	Time	Flow Press (psia)	Atm. Press (psia)	Flow Rate (cc/min)	Temp. (C)	old Perm. (md)	new Perm. (md)	Sample	Reading
7/7/00	11:16:44 AM	12.62	11.44	197.8	30.34	125.8701973	118.7258	V4.9	1
7/7/00	11:18:44 AM	13.46	11.44	482.7	30.74	173.7286778	176.7246	V4.9	2
7/7/00	11:19:51 AM	15.21	11.44	654.4	30.96	118.1478588	136.5075	V4.9	3

Sample Name	Field	Well	Depth	Diameter	Length	Operator			
permeability measurement (top)	Escalante, UT	D4-10	4"	5/8"	4"	robert bridges			
Outside Diam.	Inside Diam.	Geom. Fact.	Ref. Temp.	Viscosity					
(in)	(in)		(C)	(cp)					
0.92	0.92	7.211	26.5	0.01776					
Date	Time	Flow Press (psia)	Atm. Press (psia)	Flow Rate (cc/min)	Temp. (C)	old Perm. (md)	new Perm. (md)	Sample	Reading
7/7/00	3:39:56 PM	13.546	11.416	441.4	37.30	152.3200	163.3693	V4.10	1
7/7/00	3:41:28 PM	16.436	11.416	718.8	37.31	94.5398	122.7854	V4.10	2
7/7/00	3:43:38 PM	12.646	11.416	184.6	37.31	114.3593107	114.6174	V4.10	3

Sample Name	Field	Well	Depth	Diameter	Length	Operator			
permeability measurement (top)	Escalante, UT	V4.11	4"	5/8"	4"	robert bridges			
Outside Diam.	Inside Diam.	Geom. Fact.	Ref. Temp.	Viscosity					
(in)	(in)		(C)	(cp)					
0.92	0.92	7.211	23.0	0.01761					
Date	Time	Flow Press (psia)	Atm. Press (psia)	Flow Rate (cc/min)	Temp. (C)	old Perm. (md)	new Perm. (md)	Sample	Reading
7/7/00	11:05:08 AM	13.84	11.44	716.4	27.96	211.8592906	203.3584	V4.11	1
7/7/00	11:08:38 AM	12.57	11.44	456.3	28.75	302.2410	270.5045	V4.11	2
7/7/00	11:11:38 AM	12.14	11.44	208.9	29.34	227.8016362	200.6305	V4.11	3

Sample Name	Field	Well	Depth	Diameter	Length	Operator			
permeability measurement (top)	Escalante, UT	V4.12	4"	5/8"	4"	robert bridges			
Outside Diam.	Inside Diam.	Geom. Fact.	Ref. Temp.	Viscosity					
(in)	(in)		(C)	(cp)					
0.92	0.92	7.211	22.0	0.01757					
Date	Time	Flow Press (psia)	Atm. Press (psia)	Flow Rate (cc/min)	Temp. (C)	old Perm. (md)	new Perm. (md)	Sample	Reading
7/7/00	10:58:51 AM	11.97	11.44	185.8	26.51	266.3363707	220.5827	V4.12	1
7/7/00	11:00:32 AM	12.46	11.44	496.7	26.89	363.0266726	316.8867	V4.12	2
7/7/00	11:01:45 AM	13.55	11.44	720.4	27.20	243.8958947	233.7396	V4.12	3

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Sample Name	Field	Well	Depth	Diameter	Length	Operator			
permeability measurement (top)	Escalante, UT	V4.13	4"	5/8"	4"	robert bridges			
Outside Diam.	Inside Diam.	Geom. Fact.	Ref. Temp.	Viscosity					
(in)	(in)		(C)	(cp)					
0.92	0.92	7.211	21.5	0.01755					
Date	Time	Flow Press (psia)	Atm. Press (psia)	Flow Rate (cc/min)	Temp. (C)	old Perm. (md)	new Perm. (md)	Sample	Reading
7/7/00	10:52:05 AM	13.28	11.44	698.0	25.20	272.5085504	243.6443	V4.13	1
7/7/00	10:54:06 AM	12.35	11.44	458.7	25.49	376.3558966	316.4449	V4.13	2
7/7/00	10:55:57 AM	11.99	11.44	190.9	25.85	263.3679397	217.8307	V4.13	3

Sample Name	Field	Well	Depth	Diameter	Length	Operator			
permeability measurement (top)	Escalante, UT	V4.14	4"	5/8"	4"	robert bridges			
Outside Diam.	Inside Diam.	Geom. Fact.	Ref. Temp.	Viscosity					
(in)	(in)		(C)	(cp)					
0.92	0.92	7.211	21.5	0.01755					
Date	Time	Flow Press (psia)	Atm. Press (psia)	Flow Rate (cc/min)	Temp. (C)	old Perm. (md)	new Perm. (md)	Sample	Reading
7/7/00	10:43:23 AM	12.28	11.44	188.0	23.78	166.6280687	130.7201	V4.14	1
7/7/00	10:47:42 AM	12.95	11.44	484.0	24.38	232.6828533	196.8469	V4.14	2
7/7/00	10:48:53 AM	14.33	11.44	702.4	24.60	167.2894757	157.7328	V4.14	3

Sample Name	Field	Well	Depth	Diameter	Length	Operator			
permeability measurement (top)	Escalante, UT	V4.15	4"	5/8"	4"	robert bridges			
Outside Diam.	Inside Diam.	Geom. Fact.	Ref. Temp.	Viscosity					
(in)	(in)		(C)	(cp)					
0.92	0.92	7.211	20.5	0.01751					
Date	Time	Flow Press (psia)	Atm. Press (psia)	Flow Rate (cc/min)	Temp. (C)	old Perm. (md)	new Perm. (md)	Sample	Reading
7/7/00	10:33:53 AM	12.64	11.44	726.8	22.43	443.805508	353.9766	V4.15	1
7/7/00	10:35:32 AM	12.12	11.44	495.1	22.66	545.5208162	421.3008	V4.15	2
7/7/00	10:38:01 AM	11.78	11.44	193.4	23.00	432.7537884	329.4651	V4.15	3

Sample Name	Field	Well	Depth	Diameter	Length	Operator			
permeability measurement (top)	Escalante, UT	V4.16	4"	5/8"	4"	robert bridges			
Outside Diam.	Inside Diam.	Geom. Fact.	Ref. Temp.	Viscosity					
(in)	(in)		(C)	(cp)					
0.92	0.92	7.211	20.5	0.01751					
Date	Time	Flow Press (psia)	Atm. Press (psia)	Flow Rate (cc/min)	Temp. (C)	old Perm. (md)	new Perm. (md)	Sample	Reading
7/7/00	10:27:47 AM	12.75	11.44	201.0	21.60	111.6150	86.7109	V4.16	1
7/7/00	10:28:57 AM	13.87	11.44	486.8	21.75	139.4750	118.5247	V4.16	2
7/7/00	10:30:08 AM	15.61	11.44	723.6	21.94	113.2443905	109.0576	V4.16	3

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Sample Name	Field	Well	Depth	Diameter	Length	Operator			
permeability measurement (top)	Escalante, UT	V4.17	4"	5/8"	4"	robert bridges			
Outside Diam.	Inside Diam.	Geom. Fact.	Ref. Temp.	Viscosity					
(in)	(in)		(C)	(cp)					
0.92	0.92	7.211	20.5	0.01751					
Date	Time	Flow Press (psia)	Atm. Press (psia)	Flow Rate (cc/min)	Temp. (C)	old Perm. (md)	new Perm. (md)	Sample	Reading
7/7/00	10:21:01 AM	13.52	11.44	688.8	20.86	233.0226719	185.7365	V4.17	1
7/7/00	10:22:10 AM	12.77	11.44	479.8	20.99	261.6704702	198.2614	V4.17	2
7/7/00	10:24:04 AM	12.13	11.44	203.7	21.19	219.9784074	159.8067	V4.17	3

Sample Name	Field	Well	Depth	Diameter	Length	Operator			
permeability measurement (top)	Escalante, UT	V4.18	4"	5/8"	4"	robert bridges			
Outside Diam.	Inside Diam.	Geom. Fact.	Ref. Temp.	Viscosity					
(in)	(in)		(C)	(cp)					
0.92	0.92	7.211	27.0	0.01778					
Date	Time	Flow Press (psia)	Atm. Press (psia)	Flow Rate (cc/min)	Temp. (C)	old Perm. (md)	new Perm. (md)	Sample	Reading
7/6/00	4:14:45 PM	12.076	11.406	168.1	35.47	195.2296912	175.1496	V4.18	1
7/6/00	4:16:02 PM	12.756	11.406	477.7	35.49	267.789504	253.7326	V4.18	2
7/6/00	4:19:32 PM	14.326	11.406	694.0	35.56	169.1670	180.0764	V4.18	3

Sample Name	Field	Well	Depth	Diameter	Length	Operator			
permeability measurement (top)	Escalante, UT	V4.19	4"	5/8"	4"	robert bridges			
Outside Diam.	Inside Diam.	Geom. Fact.	Ref. Temp.	Viscosity					
(in)	(in)		(C)	(cp)					
0.92	0.92	7.211	27.0	0.01778					
Date	Time	Flow Press (psia)	Atm. Press (psia)	Flow Rate (cc/min)	Temp. (C)	old Perm. (md)	new Perm. (md)	Sample	Reading
7/6/00	4:07:26 PM	11.716	11.406	581.6	35.35	1481.4831	1286.0954	V4.19	1
7/6/00	4:09:17 PM	11.826	11.406	708.4	35.38	1325.8476	1162.5335	V4.19	2
7/6/00	4:10:53 PM	11.896	11.406	951.2	35.41	1521.6224	1343.0016	V4.19	3

Sample Name	Field	Well	Depth	Diameter	Length	Operator			
permeability measurement (top)	Escalante, UT	V4.20	4"	5/8"	4"	robert bridges			
Outside Diam.	Inside Diam.	Geom. Fact.	Ref. Temp.	Viscosity					
(in)	(in)		(C)	(cp)					
0.92	0.92	7.211	26.0	0.01774					
Date	Time	Flow Press (psia)	Atm. Press (psia)	Flow Rate (cc/min)	Temp. (C)	old Perm. (md)	new Perm. (md)	Sample	Reading
7/6/00	4:00:18 PM	11.776	11.406	519.2	35.25	1102.3788	996.2778	V4.20	1
7/6/00	4:02:08 PM	12.016	11.406	785.2	35.28	1001.2073	923.7543	V4.20	2
7/6/00	4:03:04 PM	12.136	11.406	1077.6	35.32	1142.6090	1065.6856	V4.20	3
7/6/00	4:04:21 PM	12.306	11.406	1491.2	35.32	1273.5173	1204.2157	V4.20	4

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Sample Name	Field	Well	Depth	Diameter	Length	Operator			
permeability measurement (top)	Escalante, UT	V4.21	4"	5/8"	4"	robert bridges			
Outside Diam.	Inside Diam.	Geom. Fact.	Ref. Temp.	Viscosity					
(in)	(in)		(C)	(cp)					
0.92	0.92	7.211	26.0	0.01774					
Date	Time	Flow Press (psia)	Atm. Press (psia)	Flow Rate (cc/min)	Temp. (C)	old Perm. (md)	new Perm. (md)	Sample	Reading
7/6/00	3:45:16 PM	11.771	11.411	447.2	35.05	975.659386	876.5794	V4.21	1
7/6/00	3:47:21 PM	12.371	11.411	721.2	35.08	575.5537011	543.5531	V4.21	2
7/6/00	3:48:42 PM	12.561	11.411	1042.8	35.08	689.3306257	660.8824	V4.21	3

Sample Name	Field	Well	Depth	Diameter	Length	Operator			
permeability measurement (top)	Escalante, UT	V4.22	4"	5/8"	4"	robert bridges			
Outside Diam.	Inside Diam.	Geom. Fact.	Ref. Temp.	Viscosity					
(in)	(in)		(C)	(cp)					
0.92	0.92	7.211	26.0	0.01774					
Date	Time	Flow Press (psia)	Atm. Press (psia)	Flow Rate (cc/min)	Temp. (C)	old Perm. (md)	new Perm. (md)	Sample	Reading
7/6/00	3:35:54 PM	11.761	11.411	601.2	34.88	1348.941455	1205.7287	V4.22	1
7/6/00	3:37:11 PM	11.891	11.411	773.6	34.90	1258.846879	1138.0656	V4.22	2
7/6/00	3:38:46 PM	11.961	11.411	1020.0	34.95	1444.412094	1315.2180	V4.22	3
7/6/00	3:40:01 PM	12.151	11.411	1561.6	34.92	1630.795182	1506.7932	V4.22	4

Sample Name	Field	Well	Depth	Diameter	Length	Operator			
permeability measurement (top)	Escalante, UT	V4.23	4"	5/8"	4"	robert bridges			
Outside Diam.	Inside Diam.	Geom. Fact.	Ref. Temp.	Viscosity					
(in)	(in)		(C)	(cp)					
0.92	0.92	7.211	26.0	0.01774					
Date	Time	Flow Press (psia)	Atm. Press (psia)	Flow Rate (cc/min)	Temp. (C)	old Perm. (md)	new Perm. (md)	Sample	Reading
7/6/00	3:30:00 PM	11.671	11.411	1905	34.9	5850	5126.5261	V4.23	1

Sample Name	Field	Well	Depth	Diameter	Length	Operator			
permeability measurement (top)	Escalante, UT	V4.24	4"	5/8"	4"	robert bridges			
Outside Diam.	Inside Diam.	Geom. Fact.	Ref. Temp.	Viscosity					
(in)	(in)		(C)	(cp)					
0.92	0.92	7.211	25.5	0.01771					
Date	Time	Flow Press (psia)	Atm. Press (psia)	Flow Rate (cc/min)	Temp. (C)	old Perm. (md)	new Perm. (md)	Sample	Reading
7/6/00	3:20:27 PM	12.361	11.411	1909.6	35.04	1542.86098	1478.8916	V4.24	1
7/6/00	3:22:00 PM	12.171	11.411	1425.2	35.01	1450.691477	1368.2502	V4.24	2
7/6/00	3:23:27 PM	12.001	11.411	937.2	34.98	1237.428277	1150.1237	V4.24	3
7/6/00	3:24:51 PM	11.901	11.411	680.4	34.95	1086.234538	1000.4252	V4.24	4
7/6/00	3:26:36 PM	11.751	11.411	528.4	34.95	1223.304865	1112.7443	V4.24	5

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Sample Name	Field	Well	Depth	Diameter	Length	Operator			
permeability measurement (top)	Escalante, UT	V4.25	4"	5/8"	4"	robert bridges			
Outside Diam.	Inside Diam.	Geom. Fact.	Ref. Temp.	Viscosity					
(in)	(in)		(C)	(cp)					
0.92	0.92	7.211	25.5	0.01771					
Date	Time	Flow Press (psia)	Atm. Press (psia)	Flow Rate (cc/min)	Temp. (C)	old Perm. (md)	new Perm. (md)	Sample	Reading
7/6/00	3:14:31 PM	11.731	11.411	1041.6	35.16	2566.044594	2342.6076	V4.25	1
7/6/00	3:14:58 PM	11.821	11.411	1483.6	35.16	2841.842982	2614.0567	V4.25	2
7/6/00	3:17:24 PM	11.921	11.411	1878.4	35.12	2880.095775	2668.6934	V4.25	3

Sample Name	Field	Well	Depth	Diameter	Length	Operator			
permeability measurement (top)	Escalante, UT	V4.26	4"	5/8"	4"	robert bridges			
Outside Diam.	Inside Diam.	Geom. Fact.	Ref. Temp.	Viscosity					
(in)	(in)		(C)	(cp)					
0.92	0.92	7.211	24.5	0.01767					
Date	Time	Flow Press (psia)	Atm. Press (psia)	Flow Rate (cc/min)	Temp. (C)	old Perm. (md)	new Perm. (md)	Sample	Reading
7/6/00	1:55:48 PM	11.746	11.426	1015.2	35.32	2510.7163	2252.1135	V4.26	1
7/6/00	1:57:48 PM	11.816	11.426	1445.6	35.45	2926.0502	2648.7333	V4.26	2
7/6/00	1:59:54 PM	11.906	11.426	1872.0	35.61	3068.6462	2809.9071	V4.26	3

Sample Name	Field	Well	Depth	Diameter	Length	Operator			
permeability measurement (top)	Escalante, UT	V4.27	4"	5/8"	4"	robert bridges			
Outside Diam.	Inside Diam.	Geom. Fact.	Ref. Temp.	Viscosity					
(in)	(in)		(C)	(cp)					
0.92	0.92	7.211	24.5	0.01767					
Date	Time	Flow Press (psia)	Atm. Press (psia)	Flow Rate (cc/min)	Temp. (C)	old Perm. (md)	new Perm. (md)	Sample	Reading
7/6/00	1:43:26 PM	12.016	11.426	1525.6	34.47	2017.5470	1811.4931	V4.27	1
7/6/00	1:47:31 PM	11.896	11.426	1011.6	34.75	1689.5198	1512.6638	V4.27	2
7/6/00	1:48:58 PM	11.796	11.426	688.4	34.82	1466.9490	1304.8017	V4.27	3

Sample Name	Field	Well	Depth	Diameter	Length	Operator			
permeability measurement (top)	Escalante, UT	V4.28	4"	5/8"	4"	robert bridges			
Outside Diam.	Inside Diam.	Geom. Fact.	Ref. Temp.	Viscosity					
(in)	(in)		(C)	(cp)					
0.92	0.92	7.211	24.5	0.01767					
Date	Time	Flow Press (psia)	Atm. Press (psia)	Flow Rate (cc/min)	Temp. (C)	old Perm. (md)	new Perm. (md)	Sample	Reading
7/6/00	1:37:06 PM	11.746	11.426	764.4	34.19	1883.5280	1641.4882	V4.28	1
7/6/00	1:38:23 PM	11.796	11.426	1002.0	34.19	2131.0543	1864.8406	V4.28	2
7/6/00	1:40:10 PM	11.906	11.426	1499.2	34.32	2447.2671	2168.8075	V4.28	3

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Sample Name	Field	Well	Depth	Diameter	Length	Operator			
permeability measurement (top)	Escalante, UT	V4.29	4"	5/8"	4"	robert bridges			
Outside Diam.	Inside Diam.	Geom. Fact.	Ref. Temp.	Viscosity					
(in)	(in)		(C)	(cp)					
0.92	0.92	7.211	24.0	0.01765					
Date	Time	Flow Press (psia)	Atm. Press (psia)	Flow Rate (cc/min)	Temp. (C)	old Perm. (md)	new Perm. (md)	Sample	Reading
7/6/00	1:23:52 PM	12.246	11.426	1546.8	33.99	1449.9123	1339.3569	V4.29	1
7/6/00	1:25:41 PM	12.056	11.426	991.2	33.98	1218.8527	1108.3523	V4.29	2
7/6/00	1:29:31 PM	11.936	11.426	697.6	33.96	1066.0000	958.3371	V4.29	3
7/6/00	1:31:24 PM	11.756	11.426	518.4	34.01	1232.4934	1094.0367	V4.29	4

Sample Name	Field	Well	Depth	Diameter	Length	Operator			
permeability measurement (top)	Escalante, UT	V4.30	4"	5/8"	4"	robert bridges			
Outside Diam.	Inside Diam.	Geom. Fact.	Ref. Temp.	Viscosity					
(in)	(in)		(C)	(cp)					
0.92	0.92	7.211	24.0	0.01765					
Date	Time	Flow Press (psia)	Atm. Press (psia)	Flow Rate (cc/min)	Temp. (C)	old Perm. (md)	new Perm. (md)	Sample	Reading
7/6/00	1:17:53 PM	11.756	11.426	699.6	33.90	1662.6995	1471.6678	V4.30	1
7/6/00	1:19:09 PM	11.846	11.426	1022.4	33.93	1902.3436	1697.6923	V4.30	2
7/6/00	1:20:34 PM	11.966	11.426	1528.8	33.93	2201.1399	1984.2115	V4.30	3

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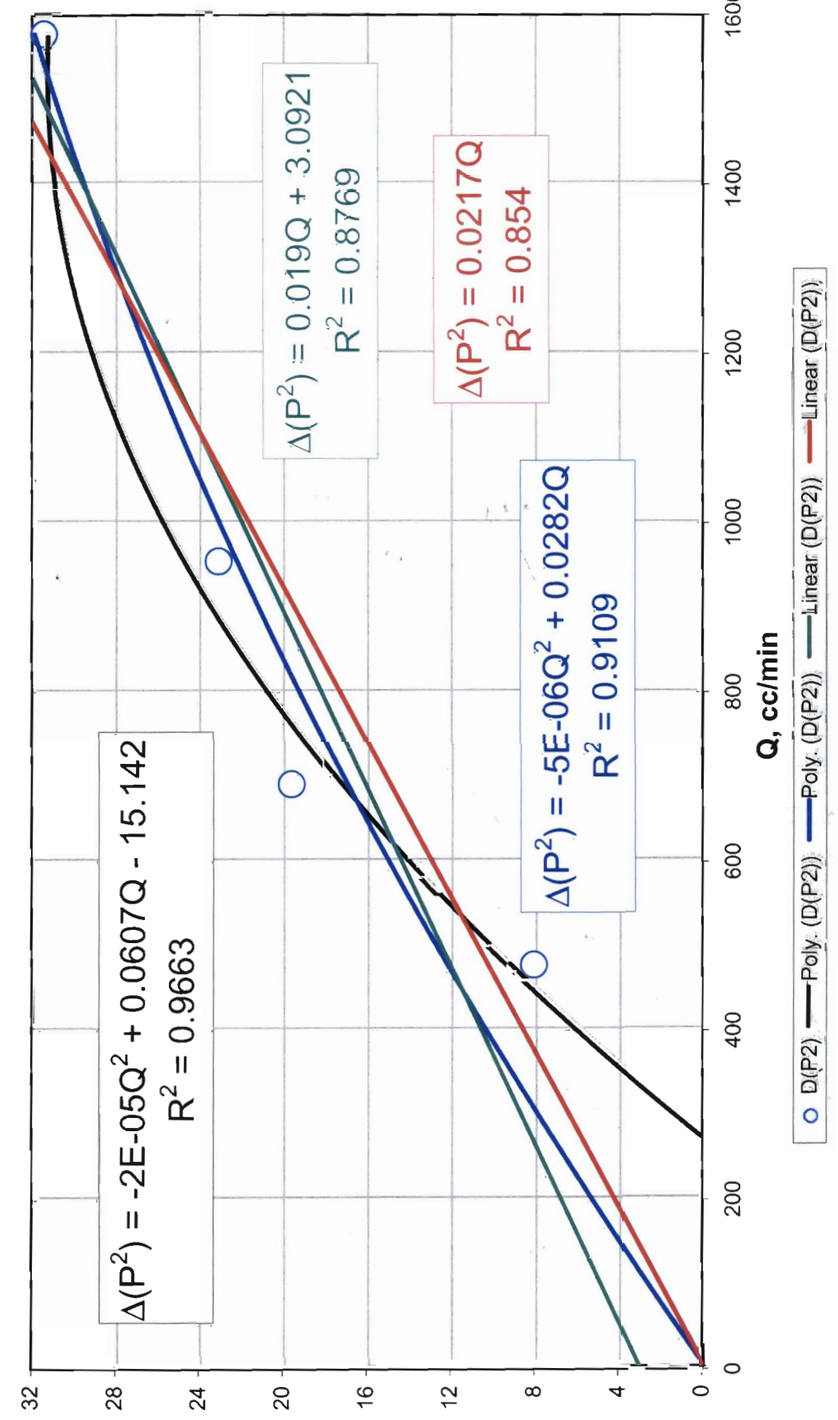
Relationship between steady-state differential pressures squared and flowrate:
If relationship is linear, with the ordinate intercept nearly zero, there is no high velocity flow effect.
V4 Transect: Drillhole -7



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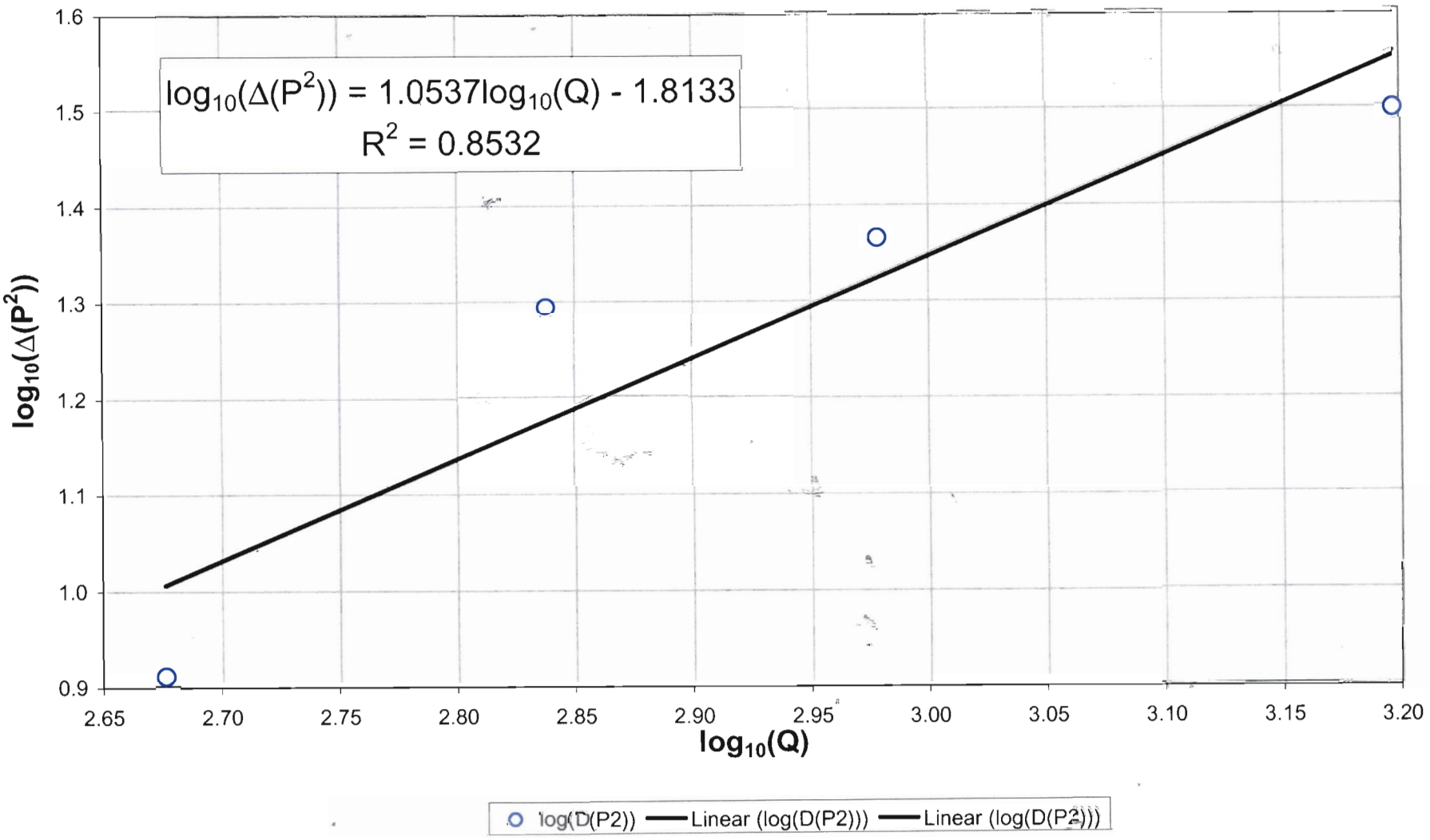
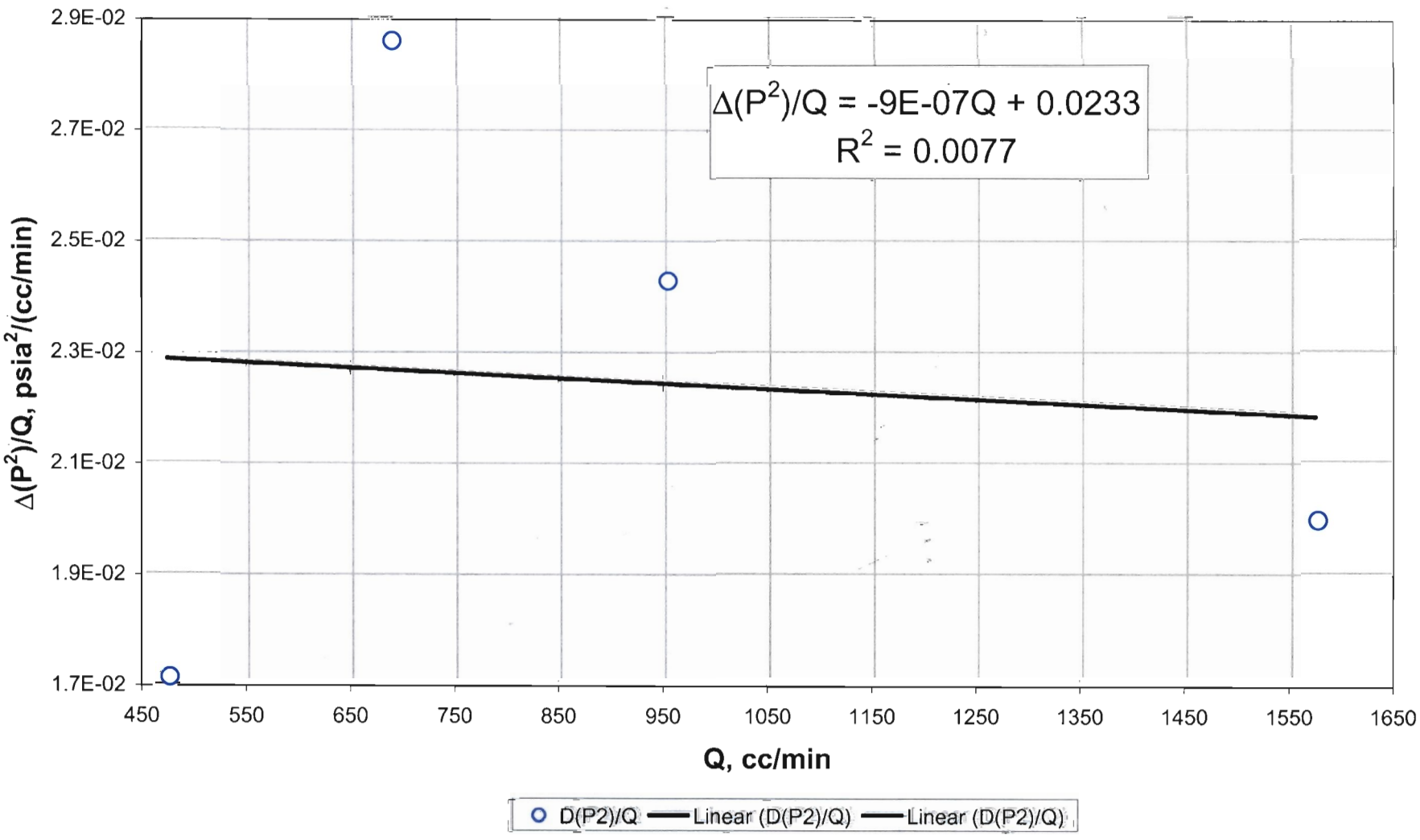
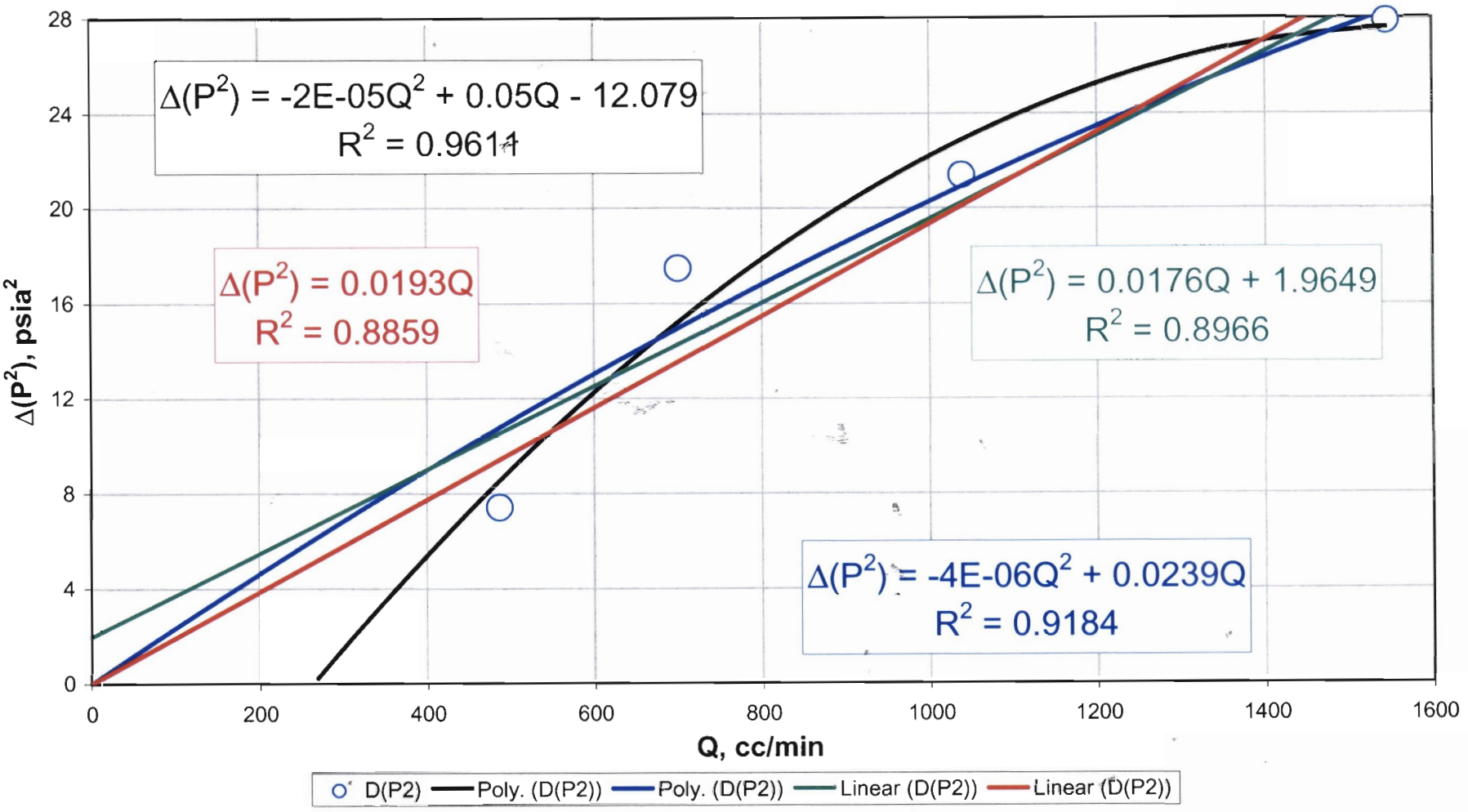
Log-Log plot of differential pressures squared vs. flowrate--used to identify the presence of high-velocity flow effects (when the slope is greater than unity)
V4 Transect: Drillhole -7



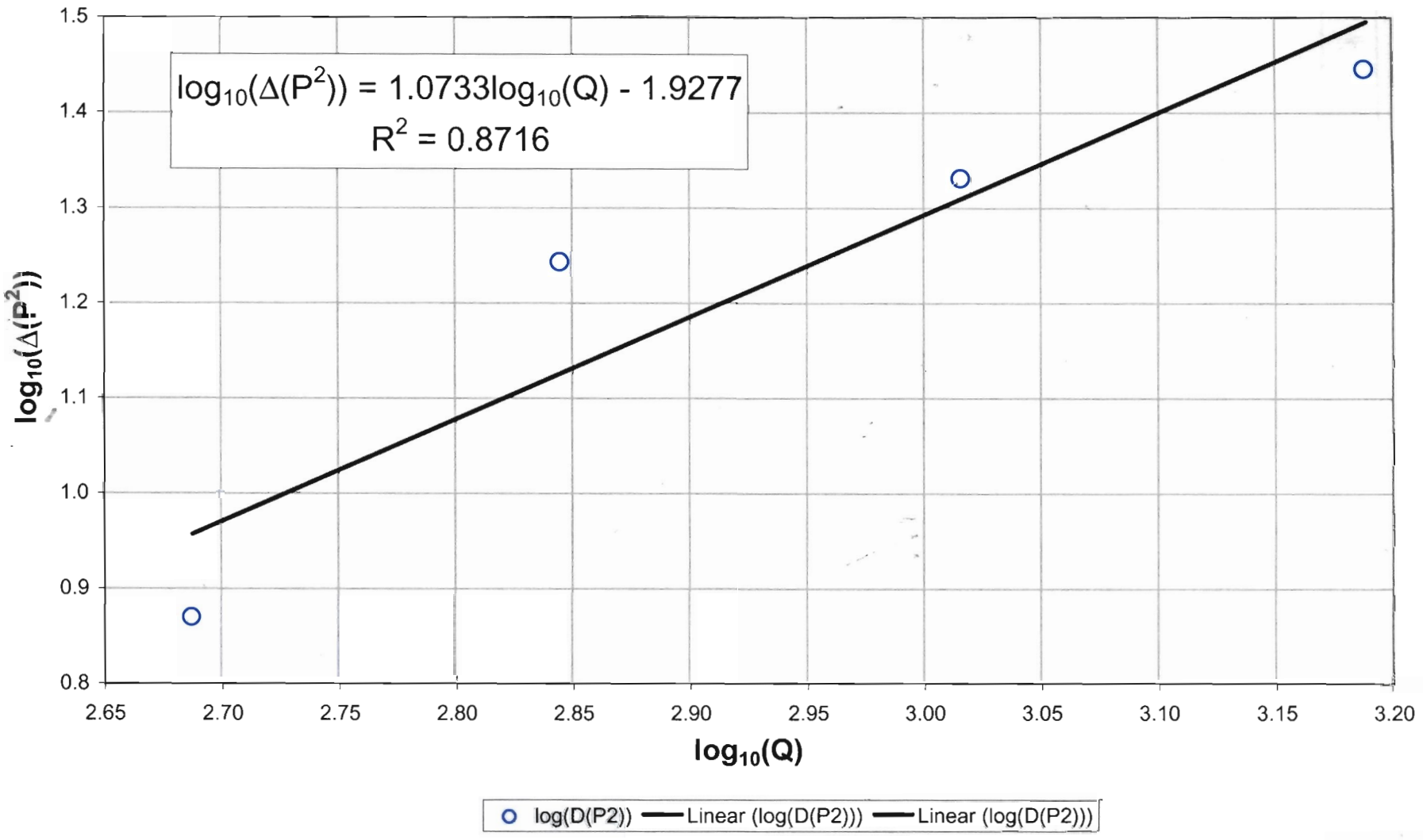
Final check for high velocity flow effects:
High velocity flow effects are present when the slope is non-zero and positive.
V4 Transect: Drillhole -7



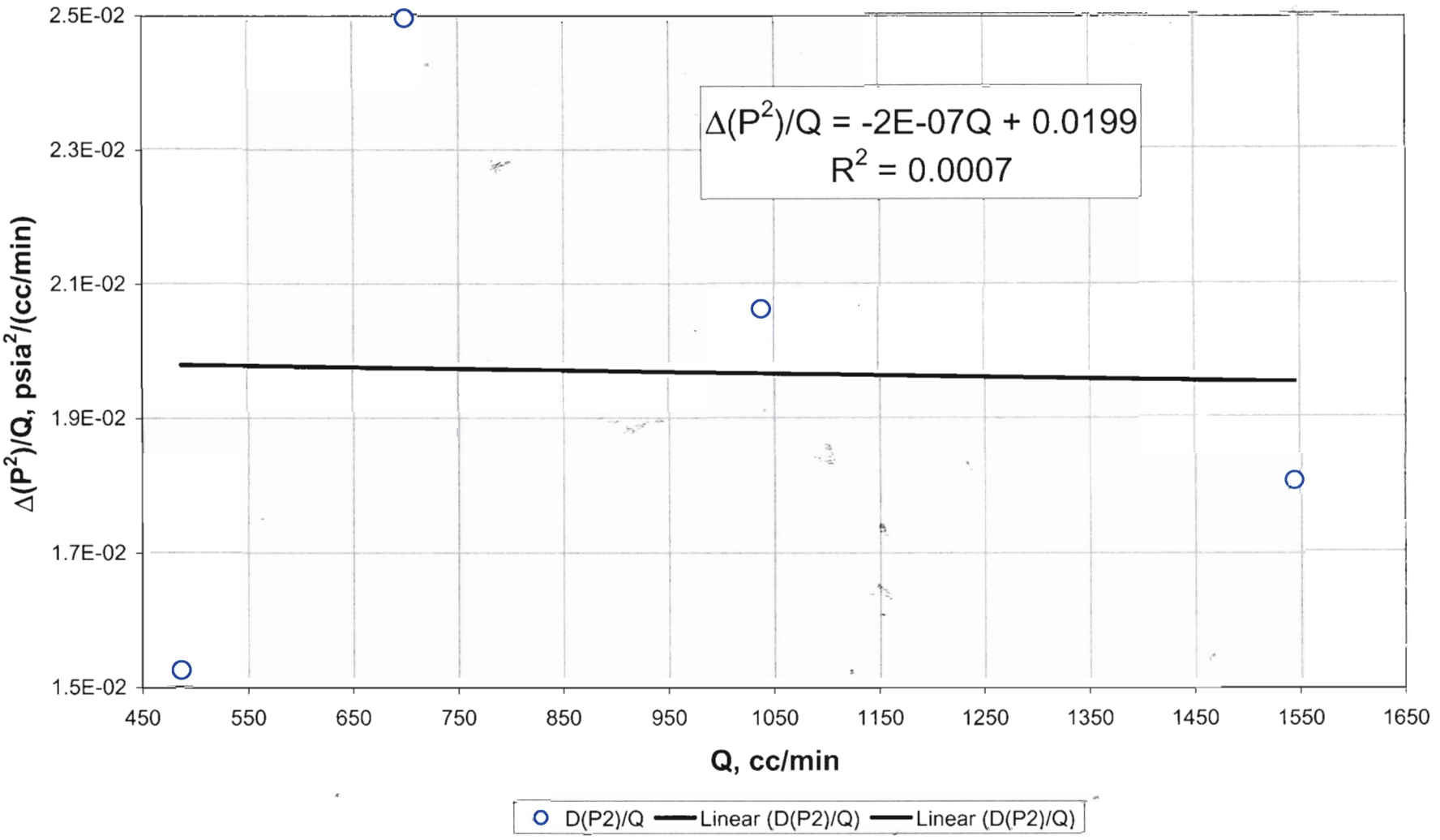
**Relationship between steady-state differential pressures squared and flowrate:
If relationship is linear, with the ordinate intercept nearly zero,
there is no high velocity flow effect.
V4 Transect: Drillhole -6**



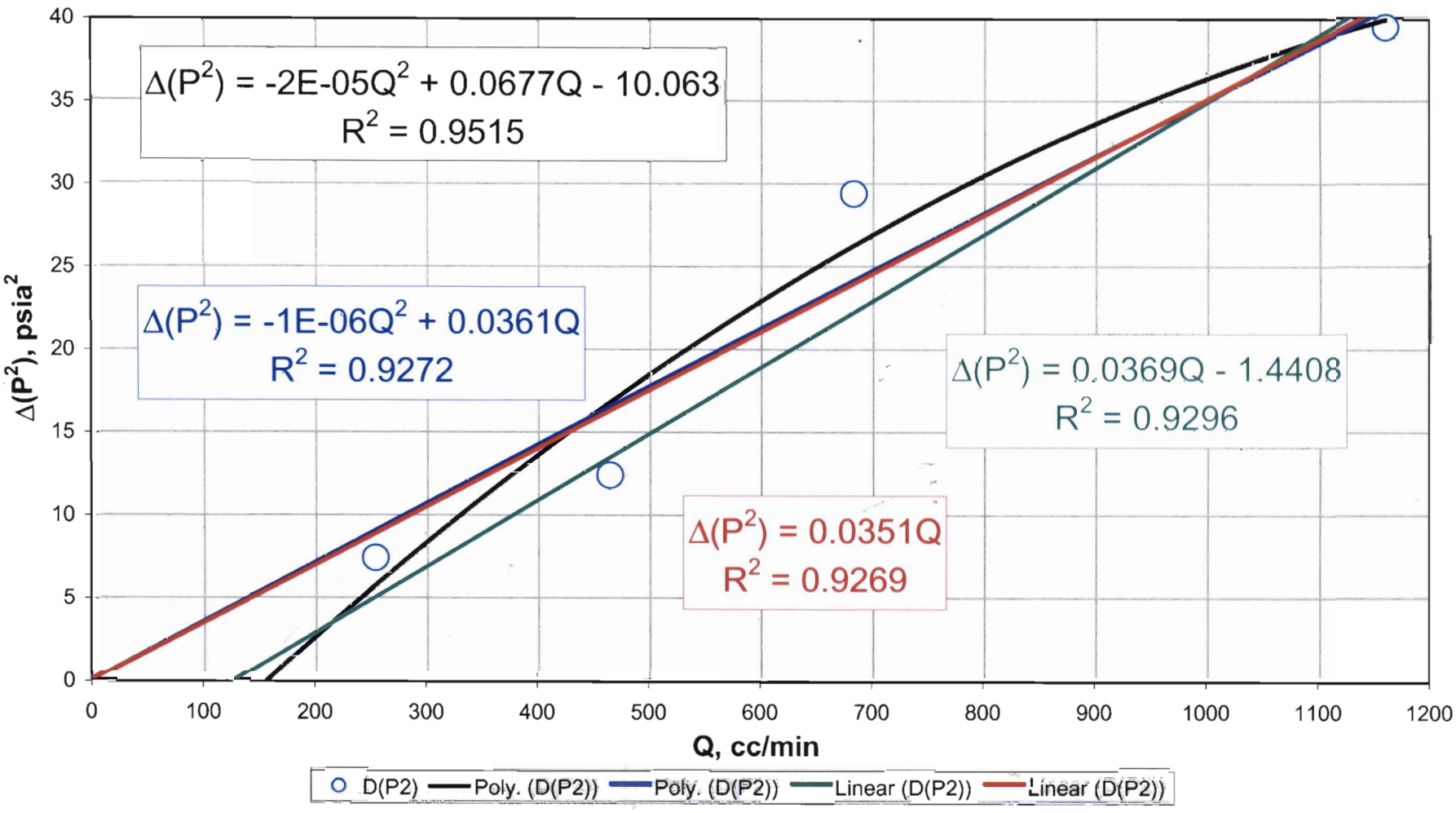
**Log-Log plot of differential pressures squared vs. flowrate--used to identify the presence of high-velocity flow effects (when the slope is greater than unity)
V4 Transect: Drillhole -6**



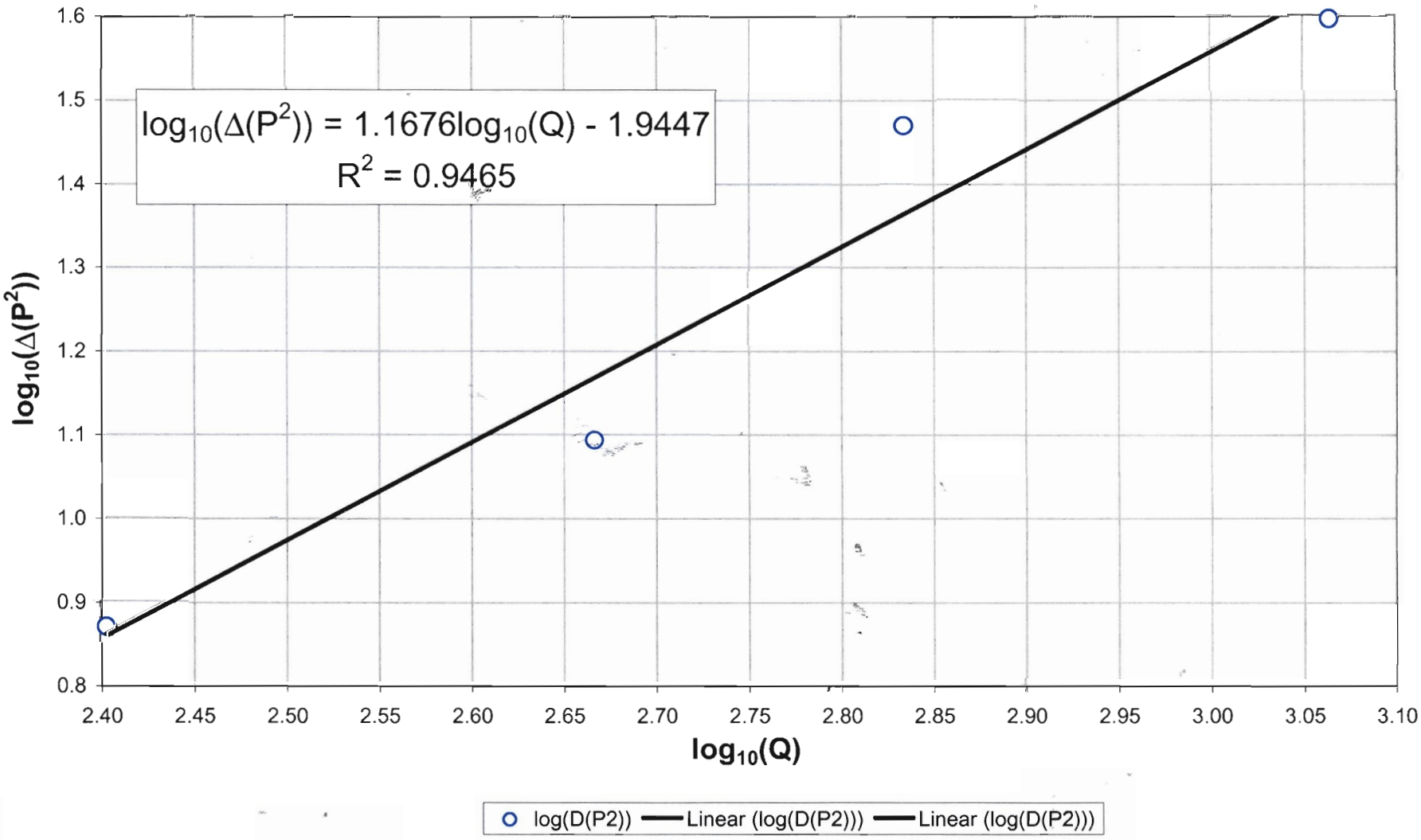
Final check for high velocity flow effects:
High velocity flow effects are present when the slope is non-zero and positive.
V4 Transect: Drillhole -6



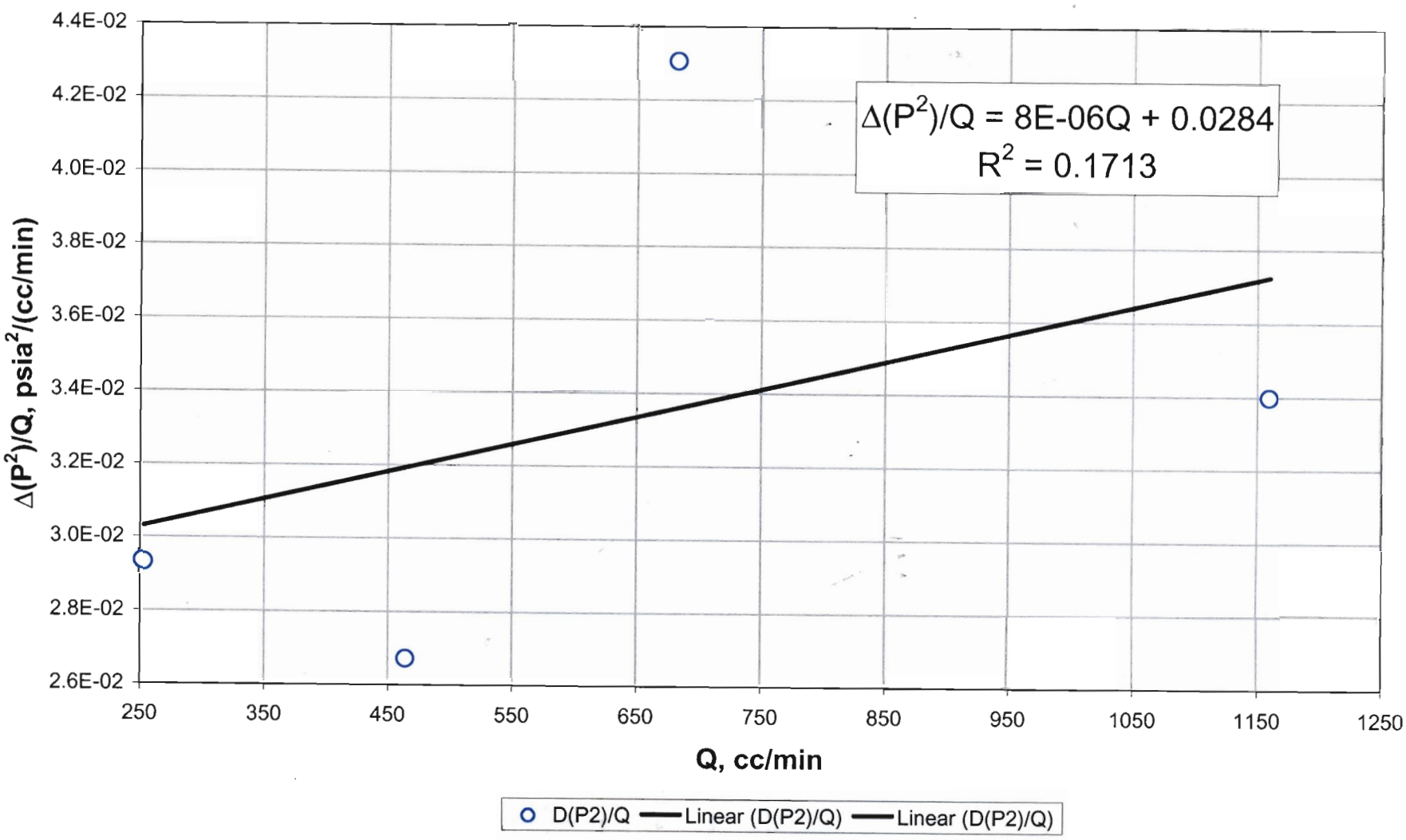
Relationship between steady-state differential pressures squared and flowrate:
If relationship is linear, with the ordinate intercept nearly zero,
there is no high velocity flow effect.
V4 Transect: Drillhole -5

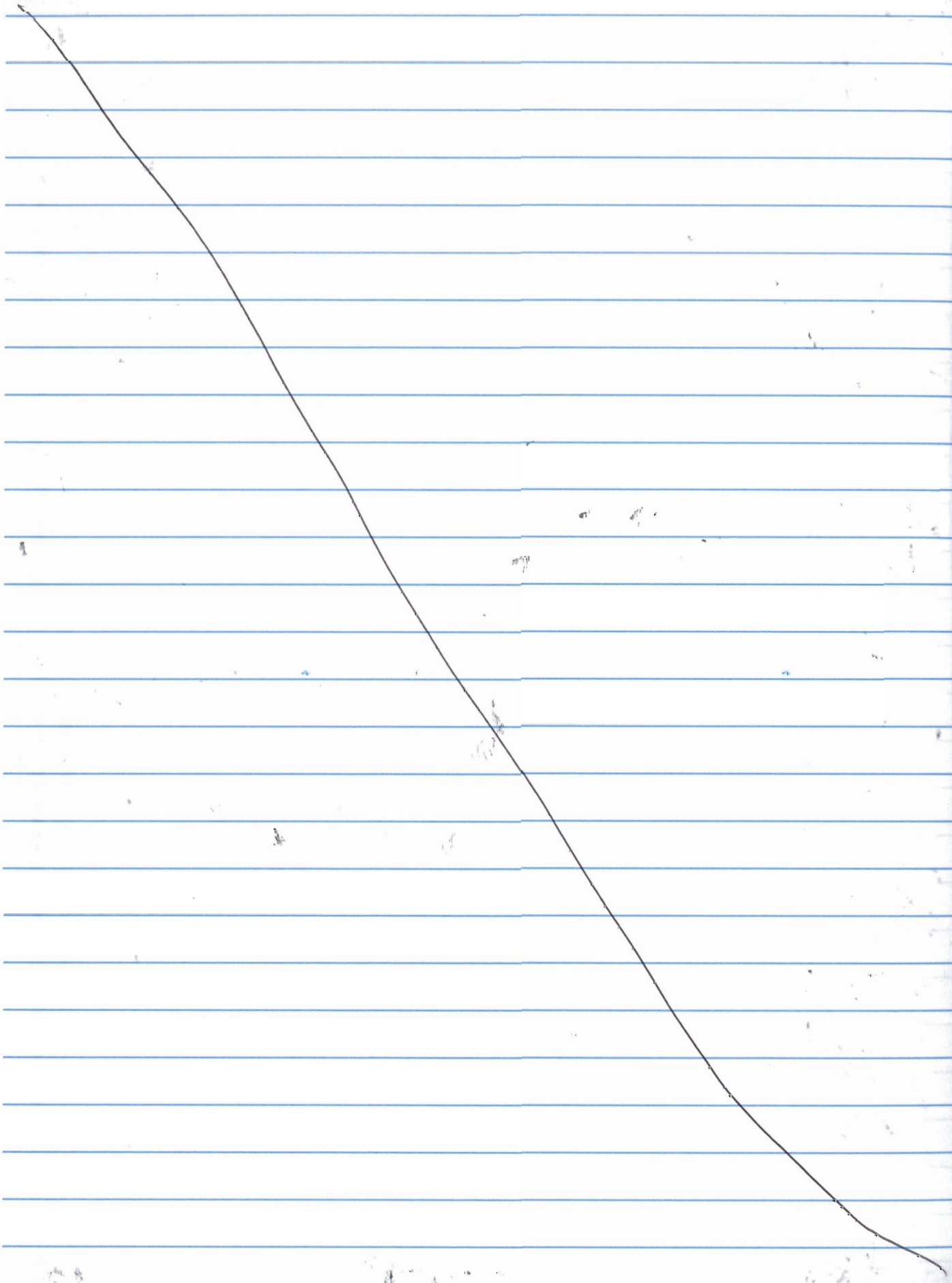


Log-Log plot of differential pressures squared vs. flowrate--used to identify the presence of high-velocity flow effects (when the slope is greater than unity)
V4 Transect: Drillhole -5



Final check for high velocity flow effects:
High velocity flow effects are present when the slope is non-zero and positive.
V4 Transect: Drillhole -5





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