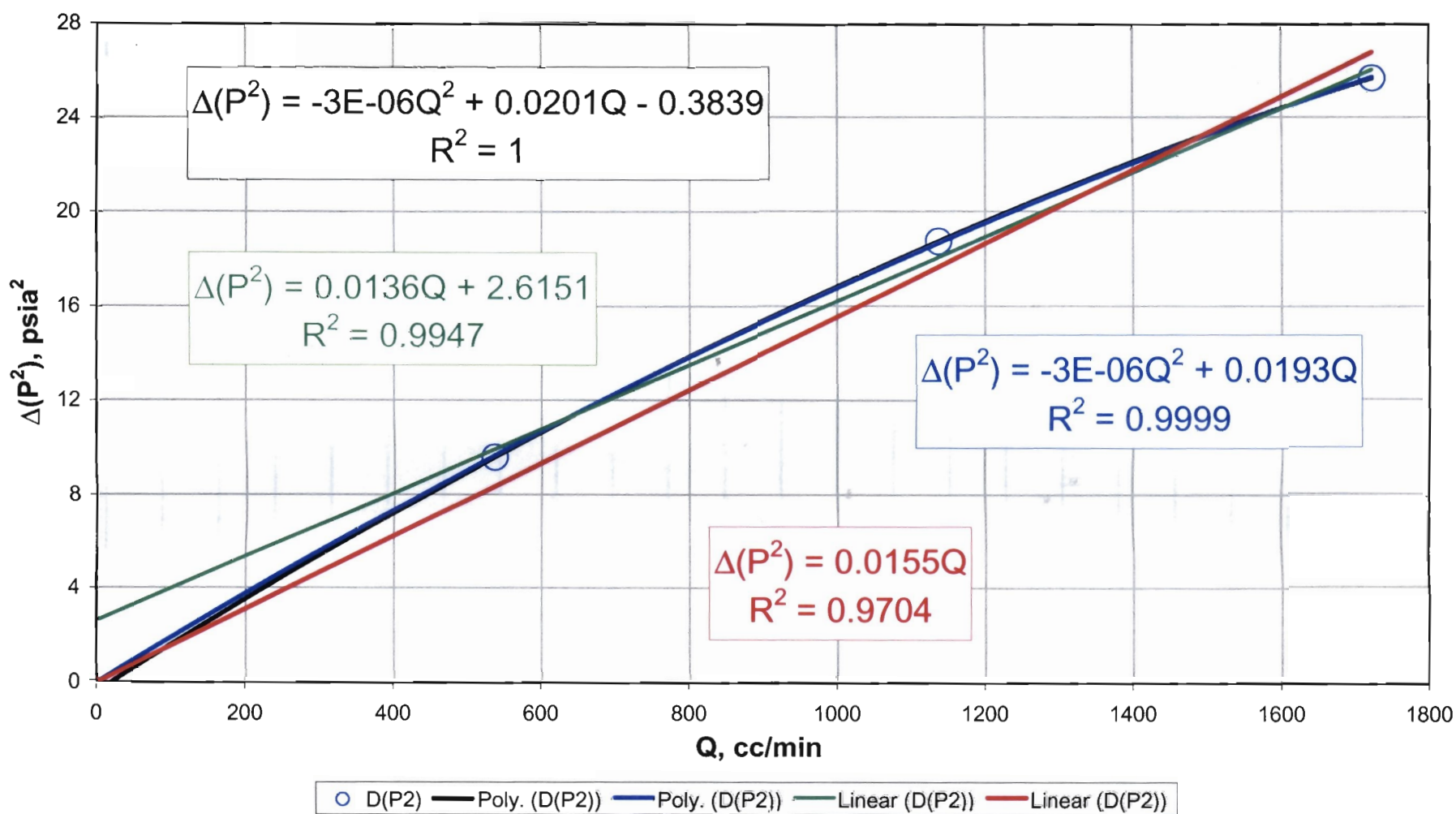


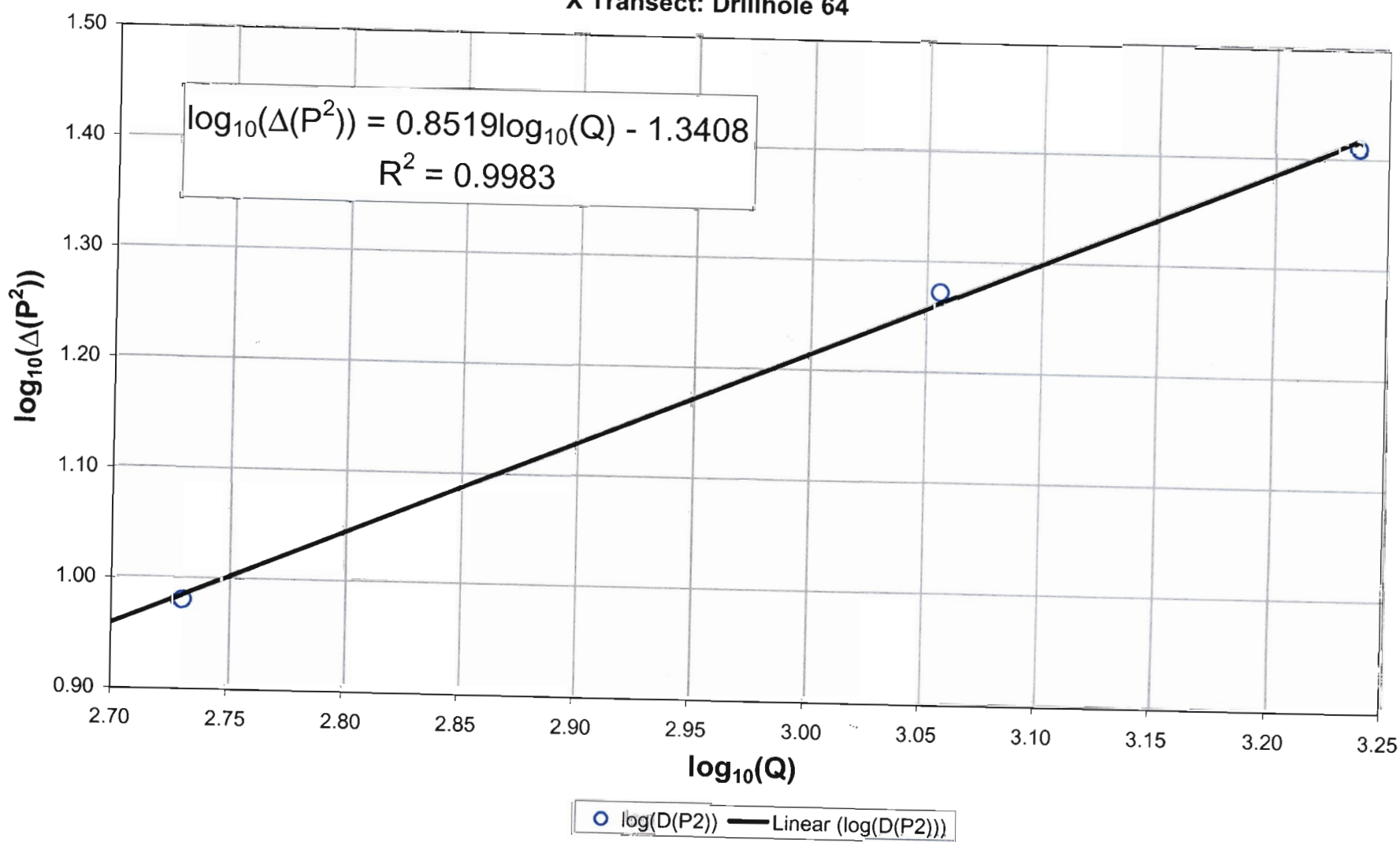
Relationship between steady-state differential pressures squared and flowrate:
 If relationship is linear, with the ordinate intercept nearly zero,
 there is no high velocity flow effect.
 X Transect: Drillhole 64

RMM, 08/27/02

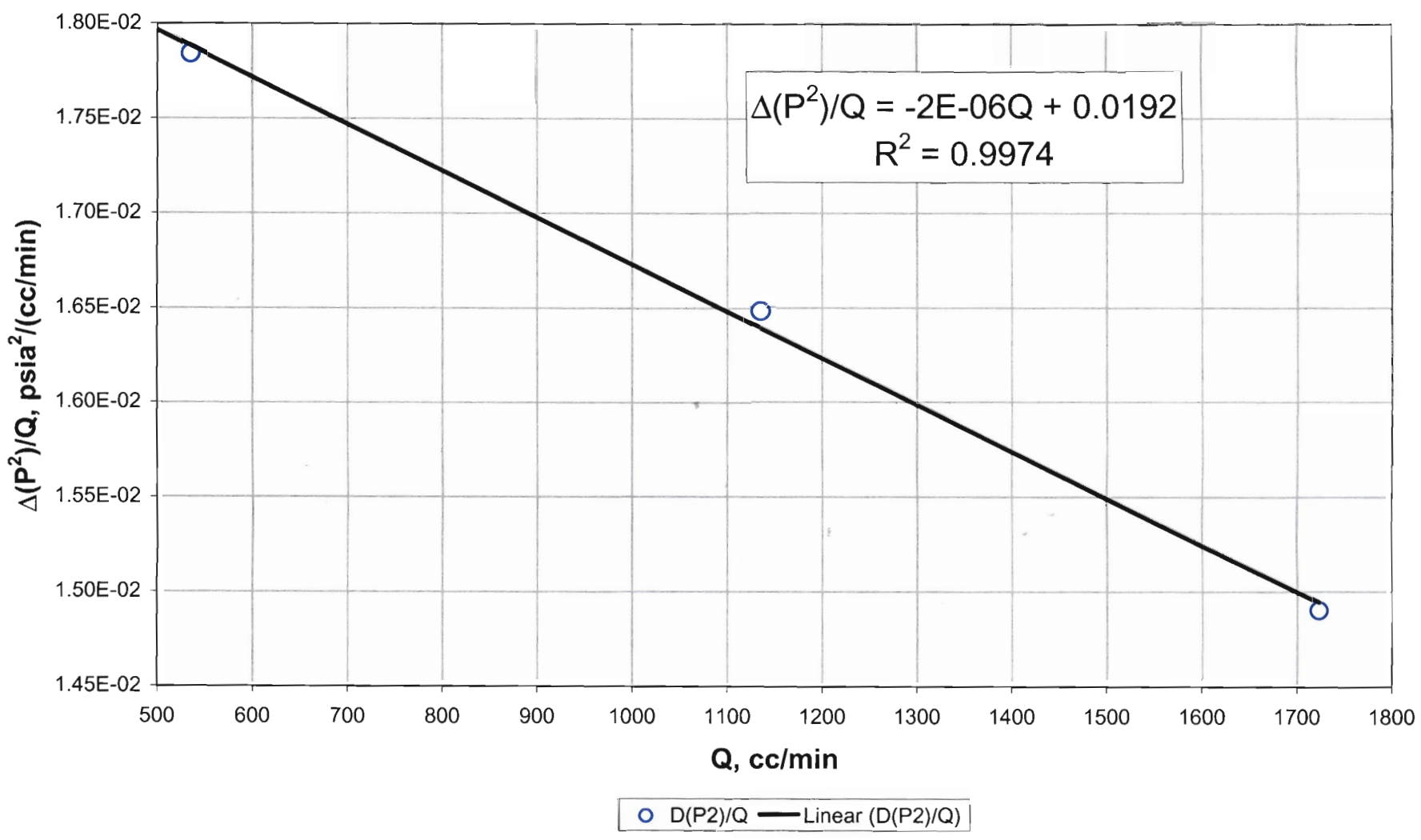


Log-Log plot of differential pressures squared vs. flowrate--used to identify the presence of high-velocity flow effects (when the slope is greater than unity)
 X Transect: Drillhole 64

RMM, 08/27/02

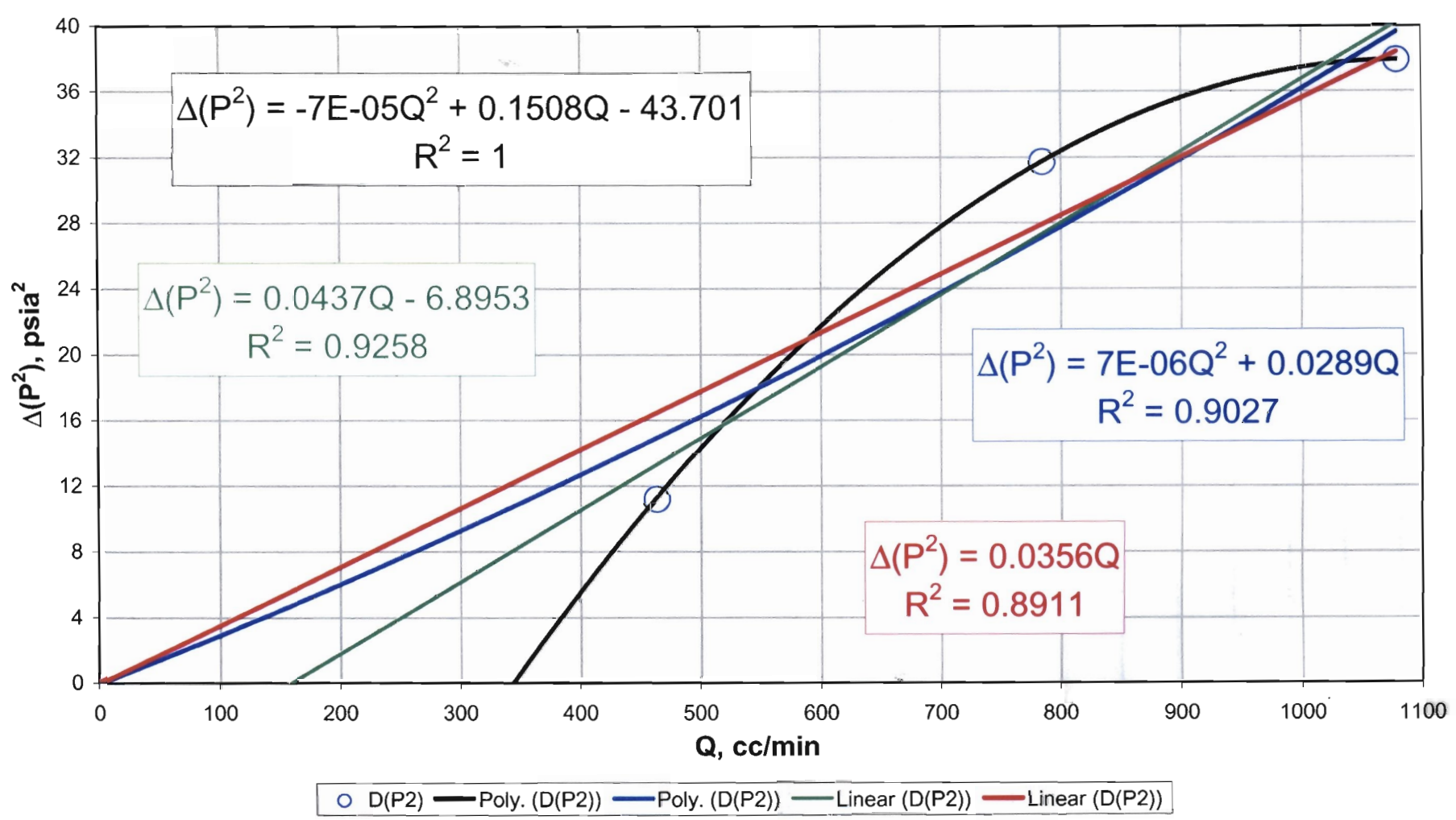


Final check for high velocity flow effects:
 High velocity flow effects are present when the slope is non-zero and positive.
 X Transect : Drillhole 64



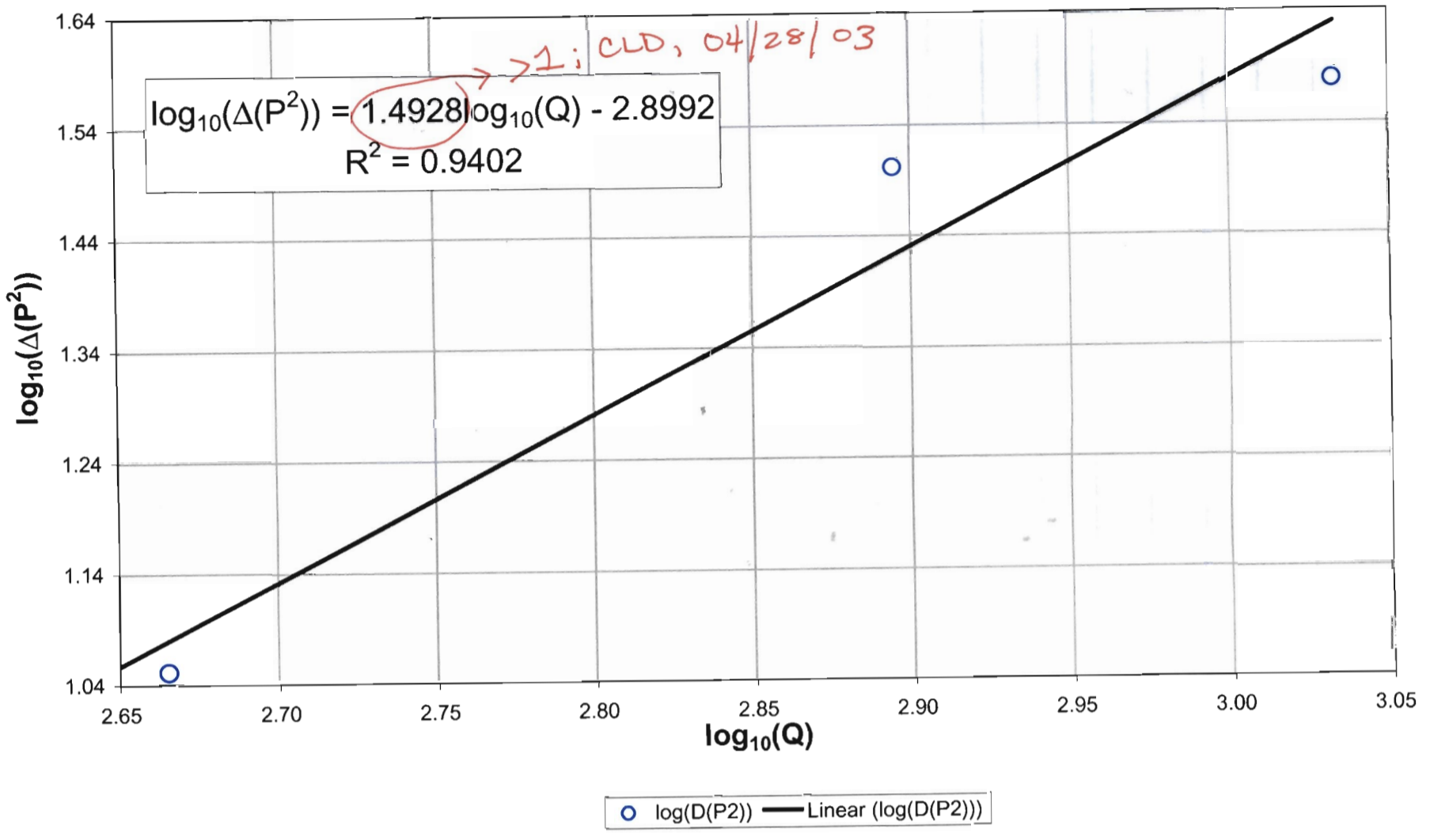
RNM, 08/27/02

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.
 X Transect: Drillhole 65



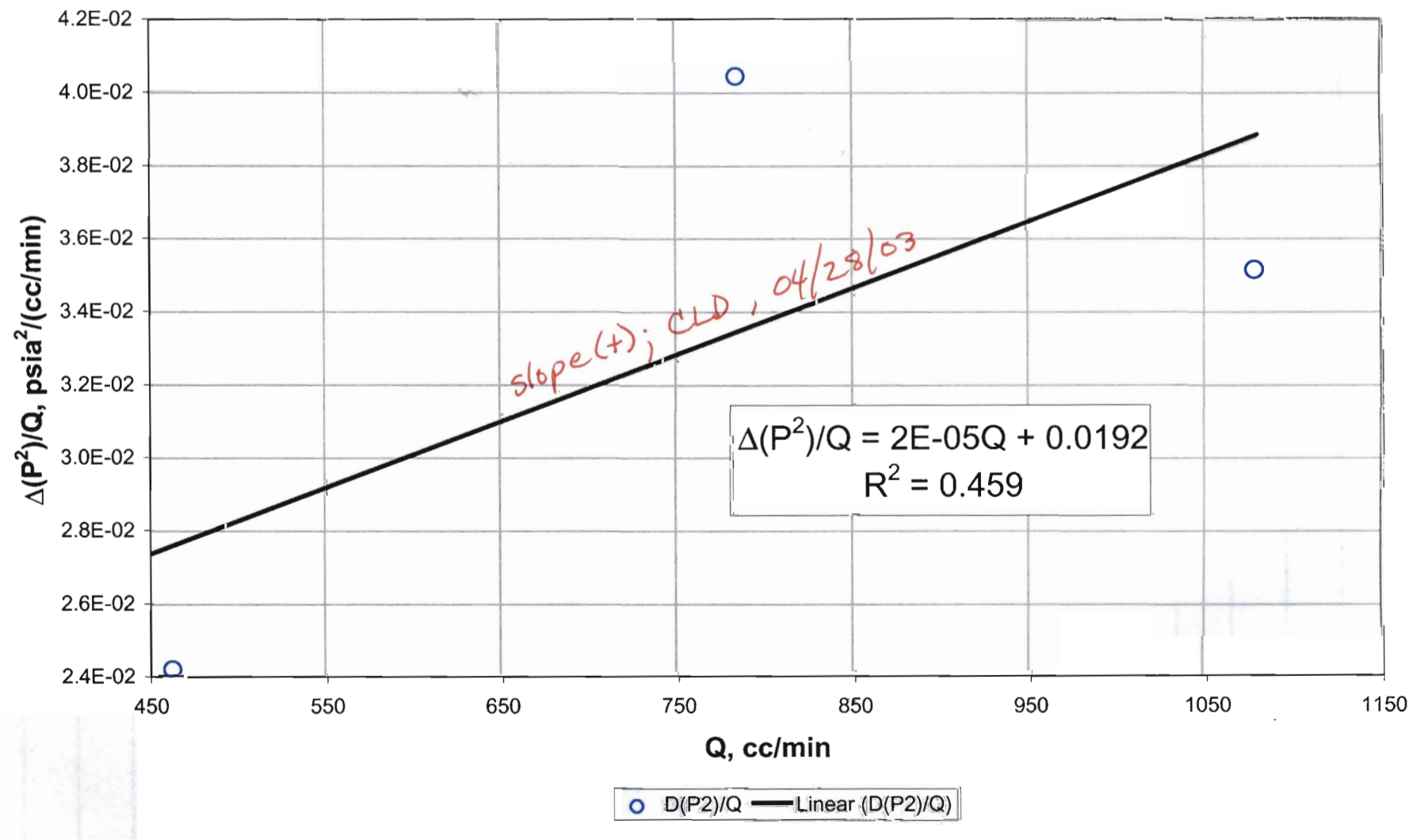
RNM, 08/28/02

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)
X Transect: Drillhole 65



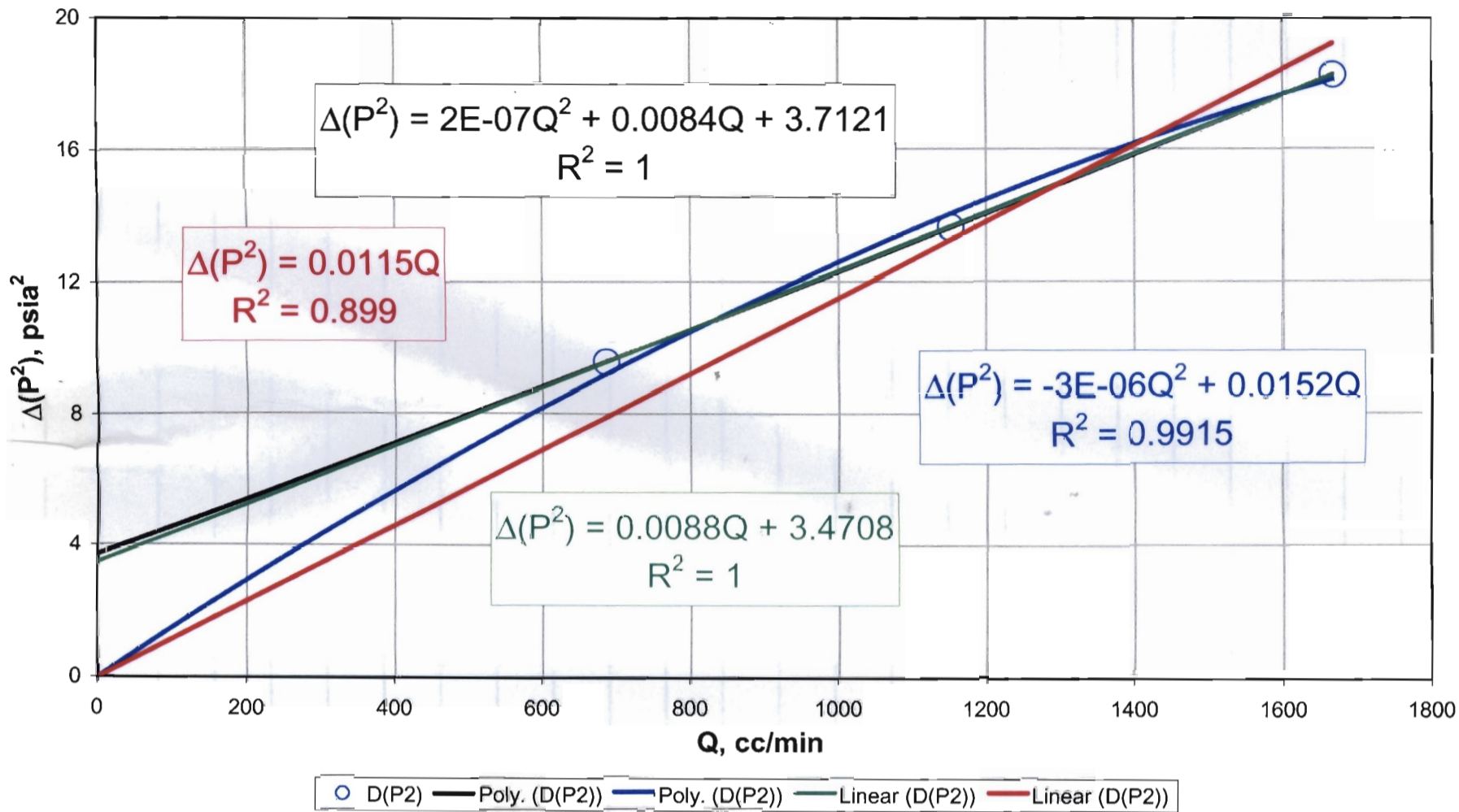
RNM, 08/28/02

Final check for high velocity flow effects:
High velocity flow effects are present when the slope is non-zero and positive.
X Transect : Drillhole 65

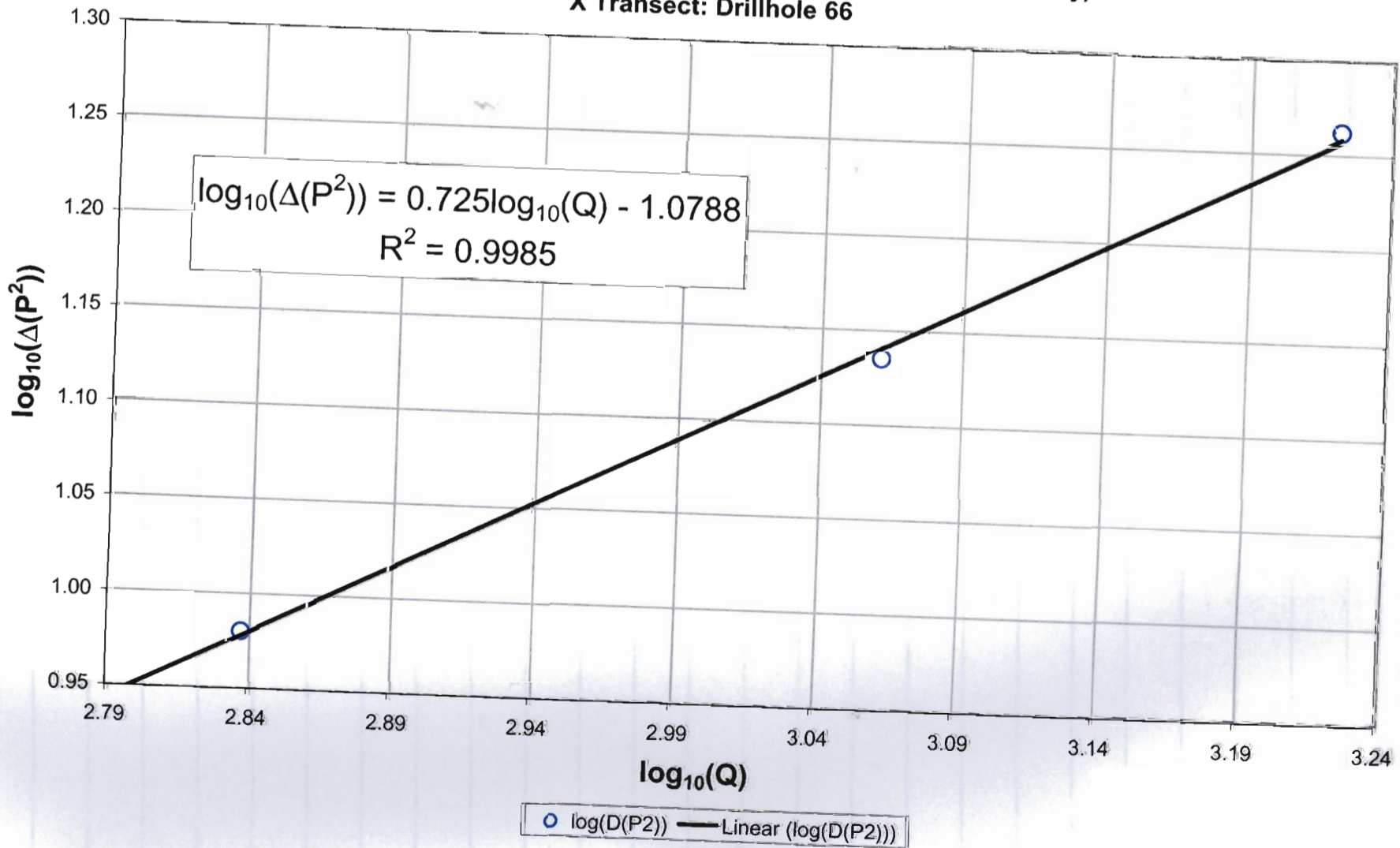


RNM, 08/28/02

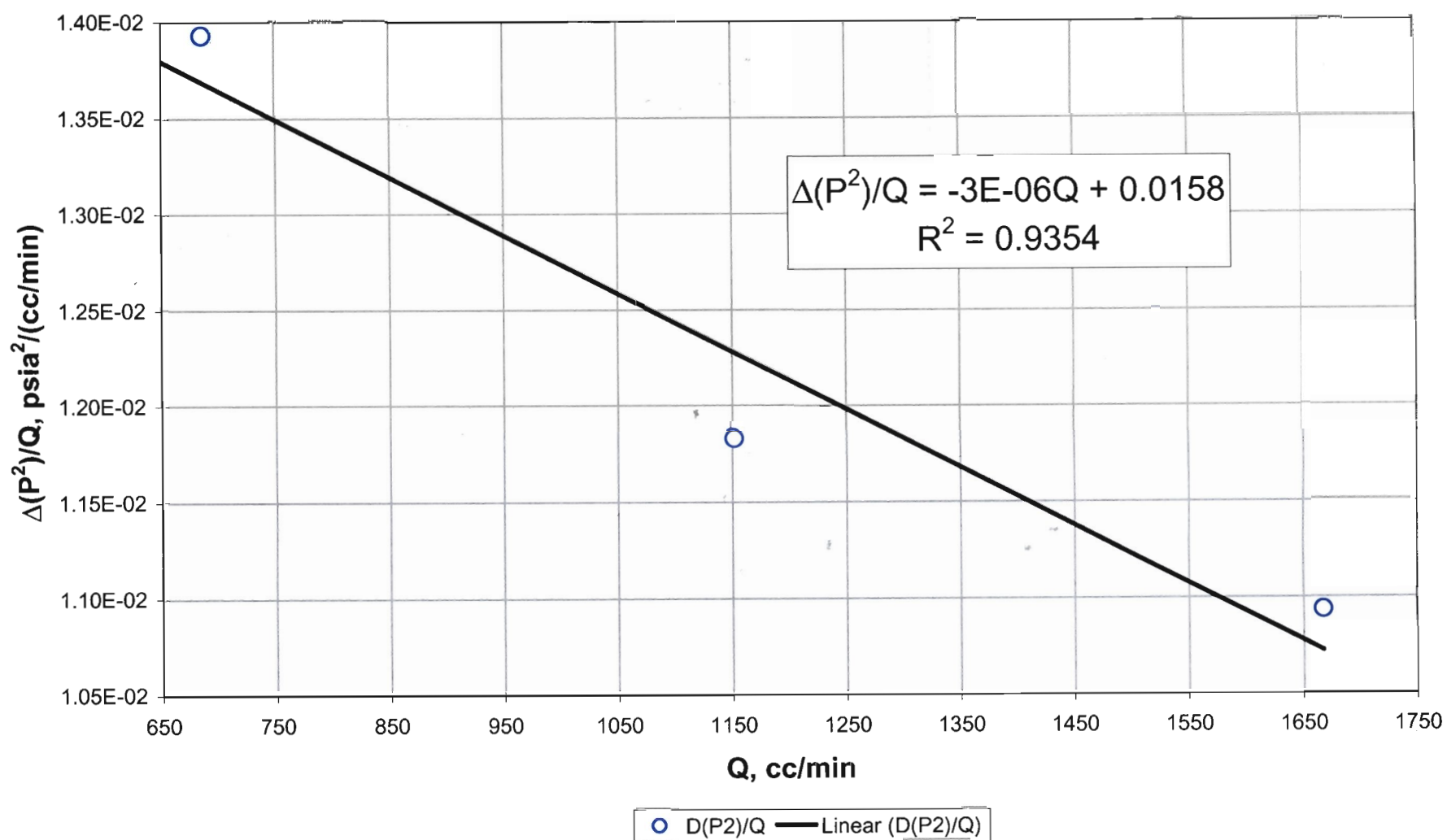
Relationship between steady-state differential pressures squared and flowrate:
 If relationship is linear, with the ordinate intercept nearly zero,
 there is no high velocity flow effect.
 X Transect: Drillhole 66



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)
 X Transect: Drillhole 66

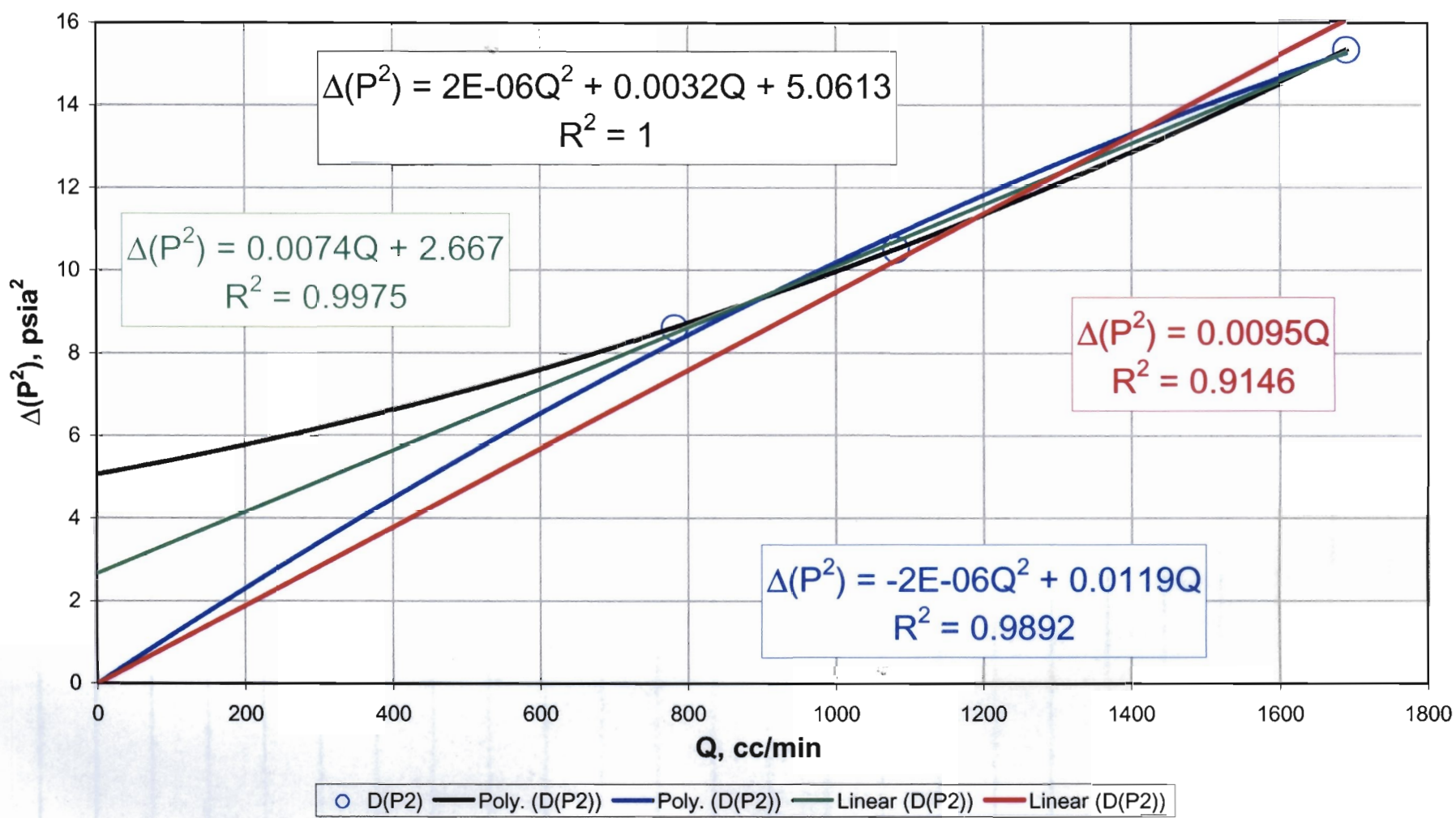


Final check for high velocity flow effects:
 High velocity flow effects are present when the slope is non-zero and positive.
 X Transect : Drillhole 66



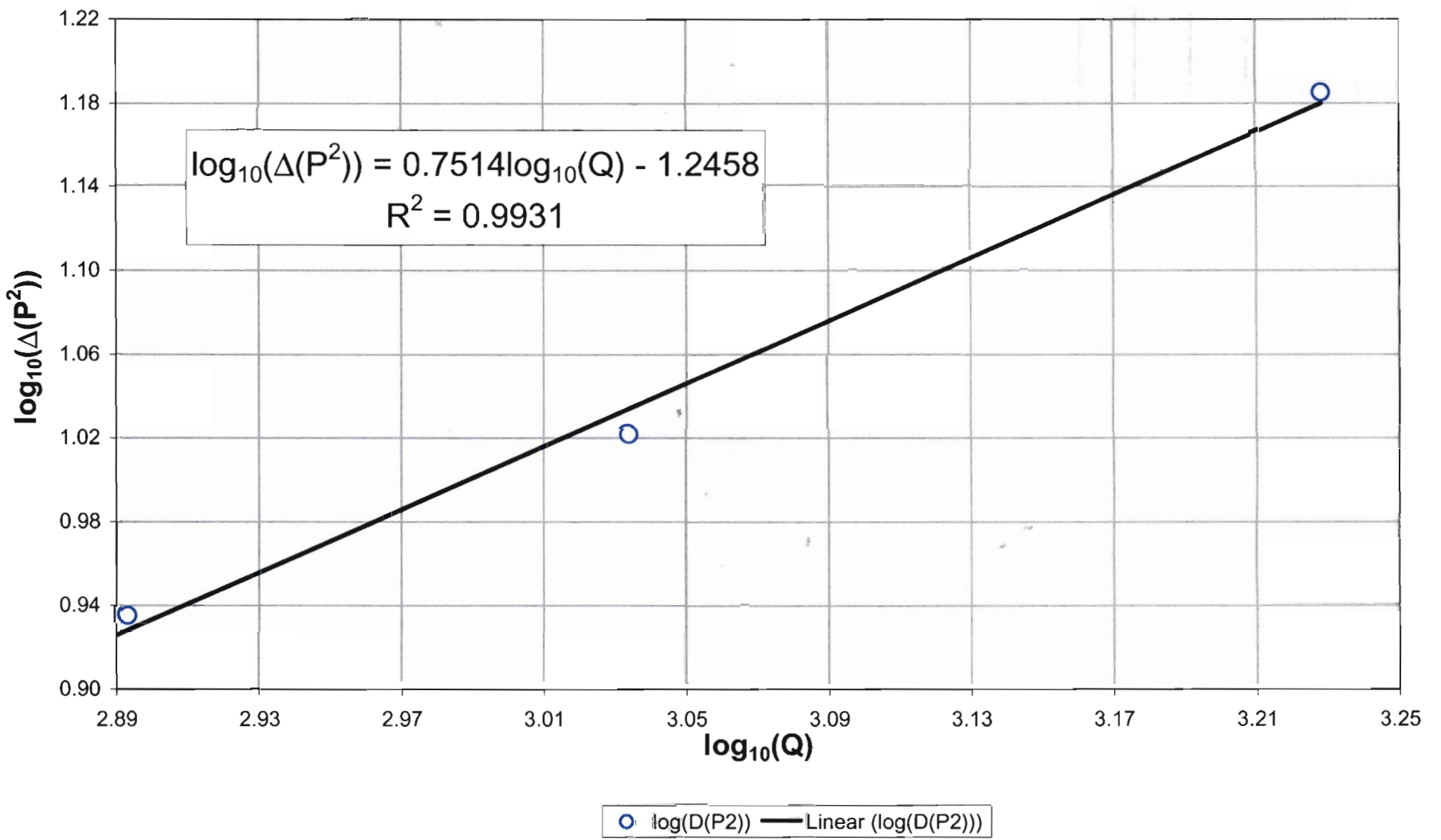
RNM, 08/28/02

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.
 X Transect: Drillhole 67



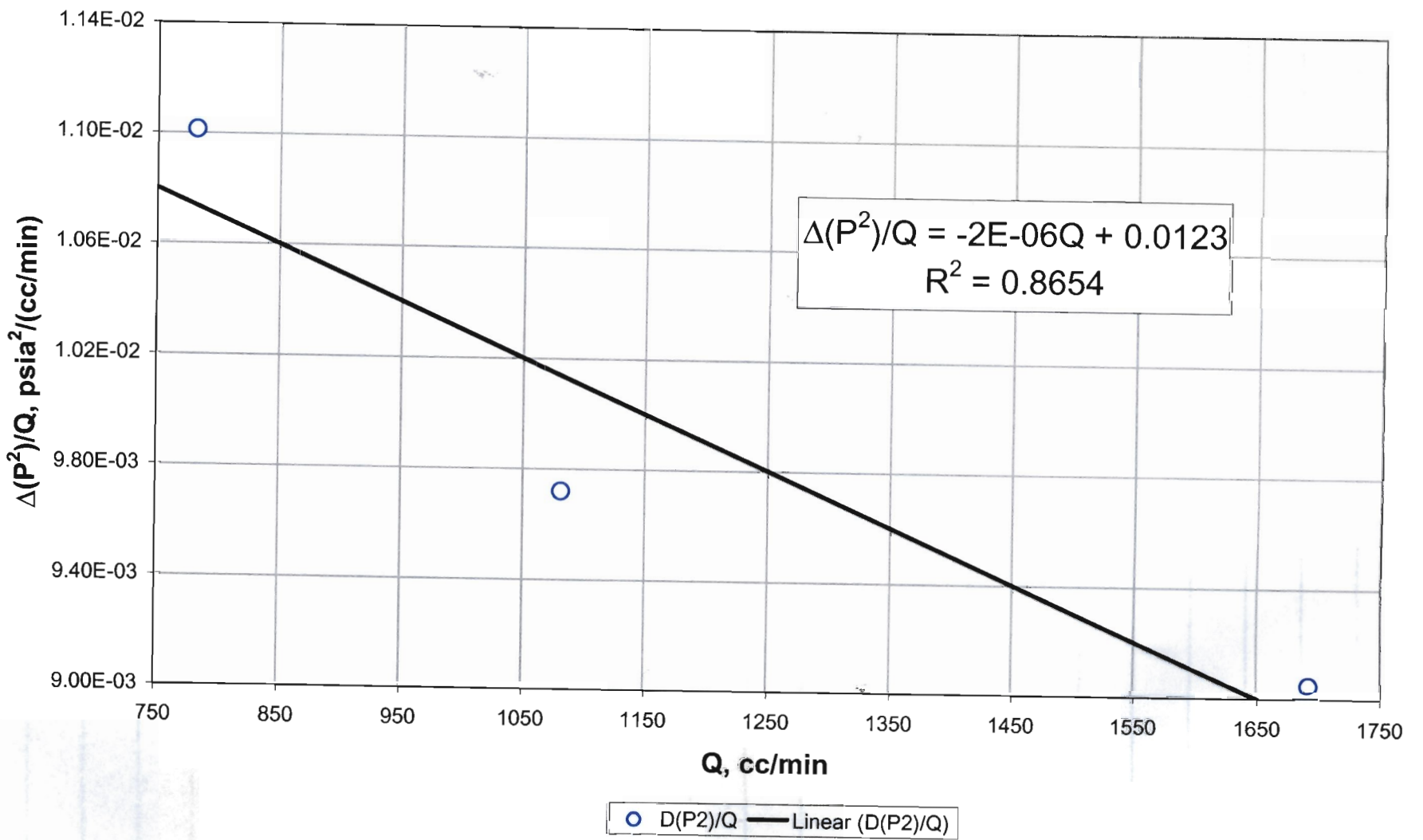
RNM, 08/28/02

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)
X Transect: Drillhole 67



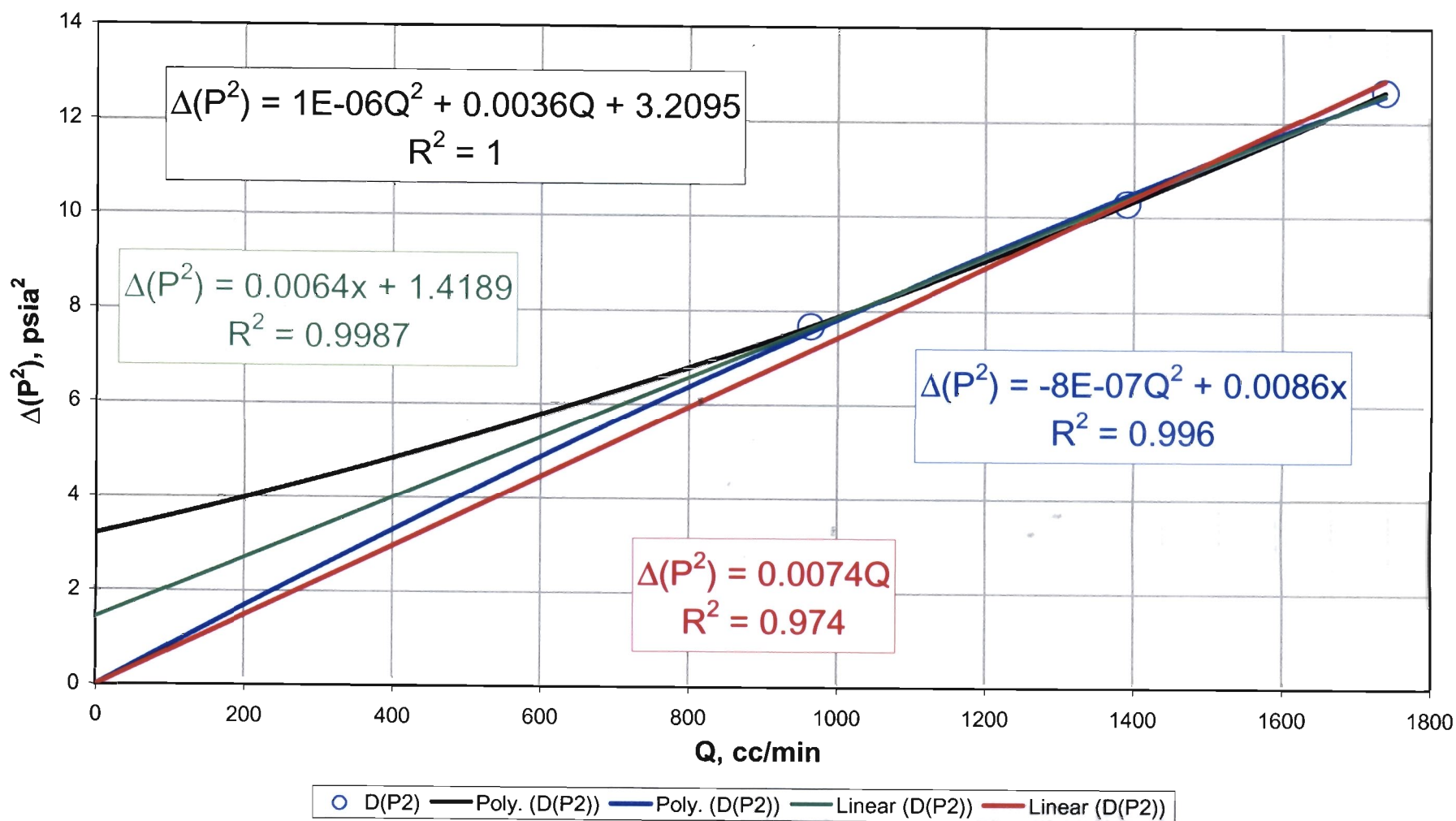
RNM, 08/28/02

Final check for high velocity flow effects:
High velocity flow effects are present when the slope is non-zero and positive.
X Transect : Drillhole 67

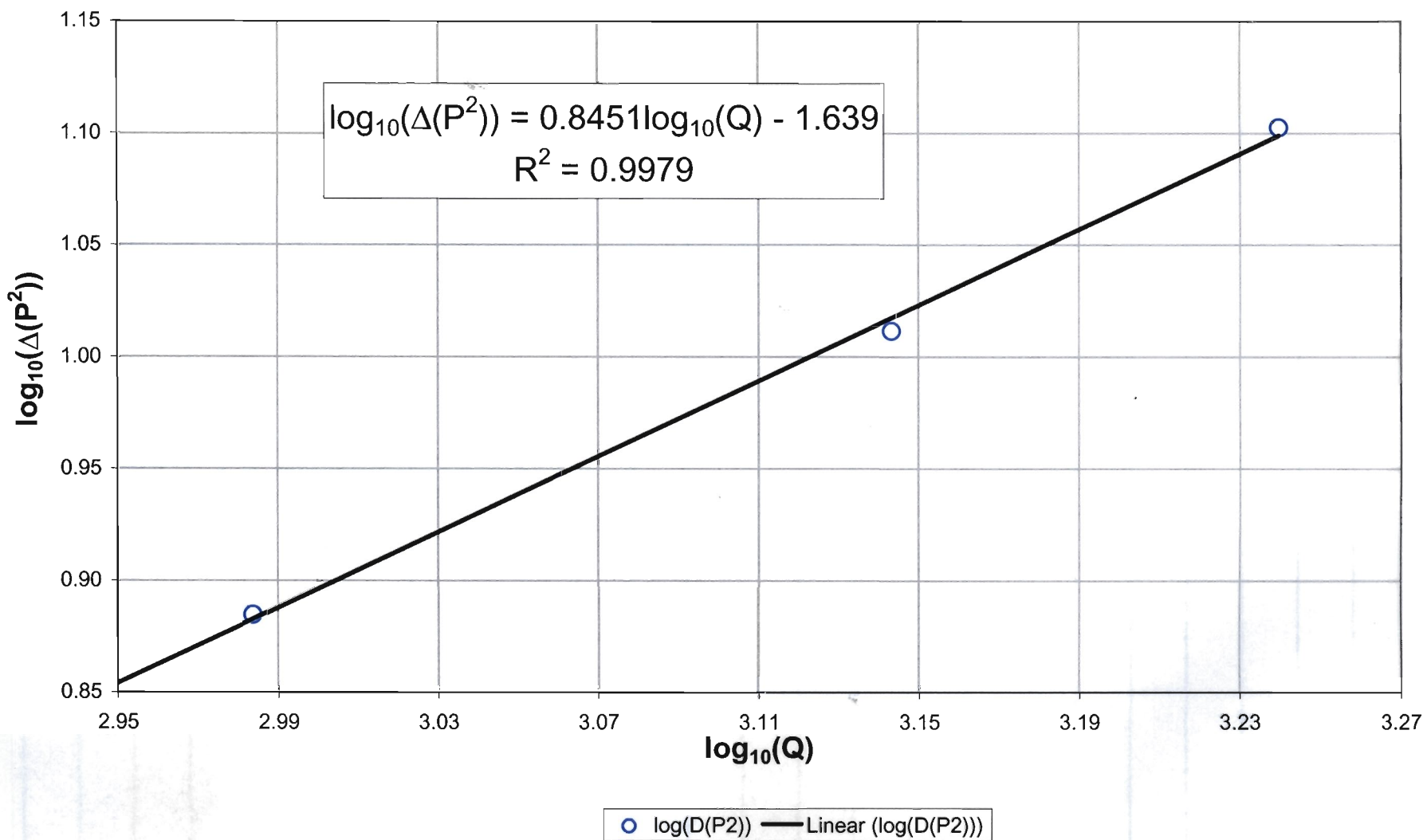


RNM, 08/28/02

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.
 X Transect: Drillhole 68



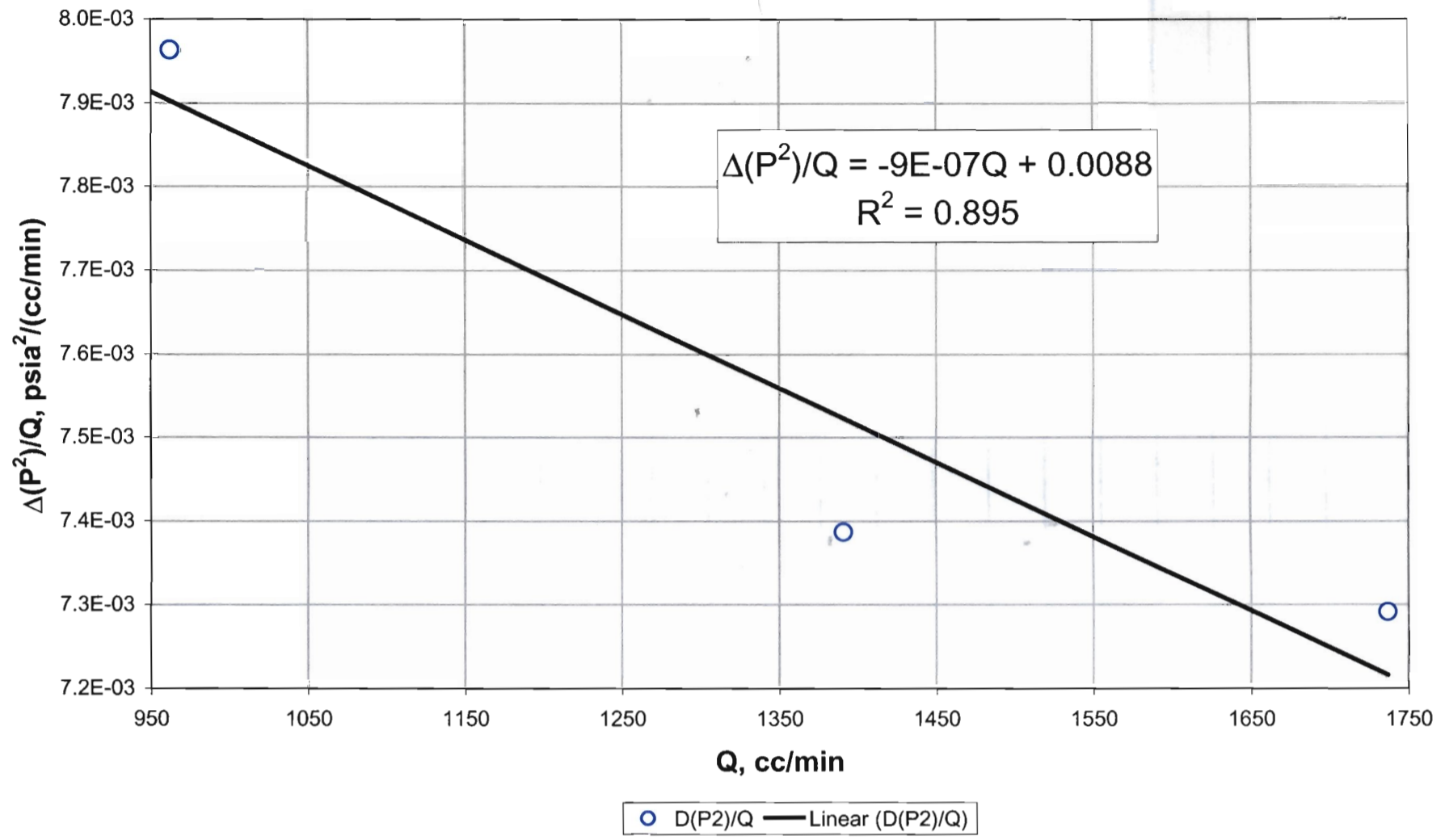
Log-Log plot of differential pressures squared vs. flowrate--used to identify the presence of
 high-velocity flow effects (when the slope is greater than unity)
 X Transect: Drillhole 68



RNM, 08/28/02

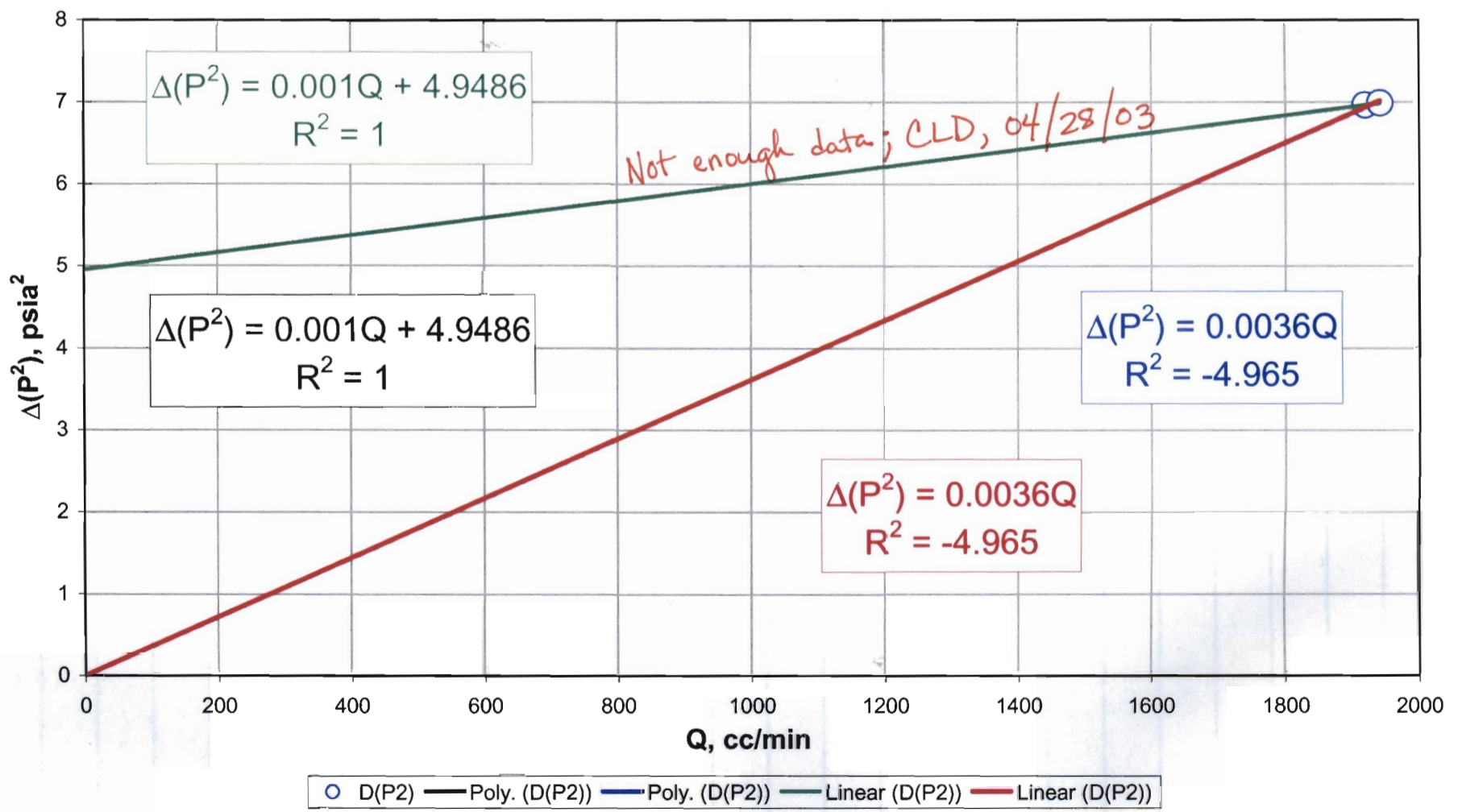
RNM, 08/28/02

Final check for high velocity flow effects:
 High velocity flow effects are present when the slope is non-zero and positive.
 X Transect : Drillhole 68



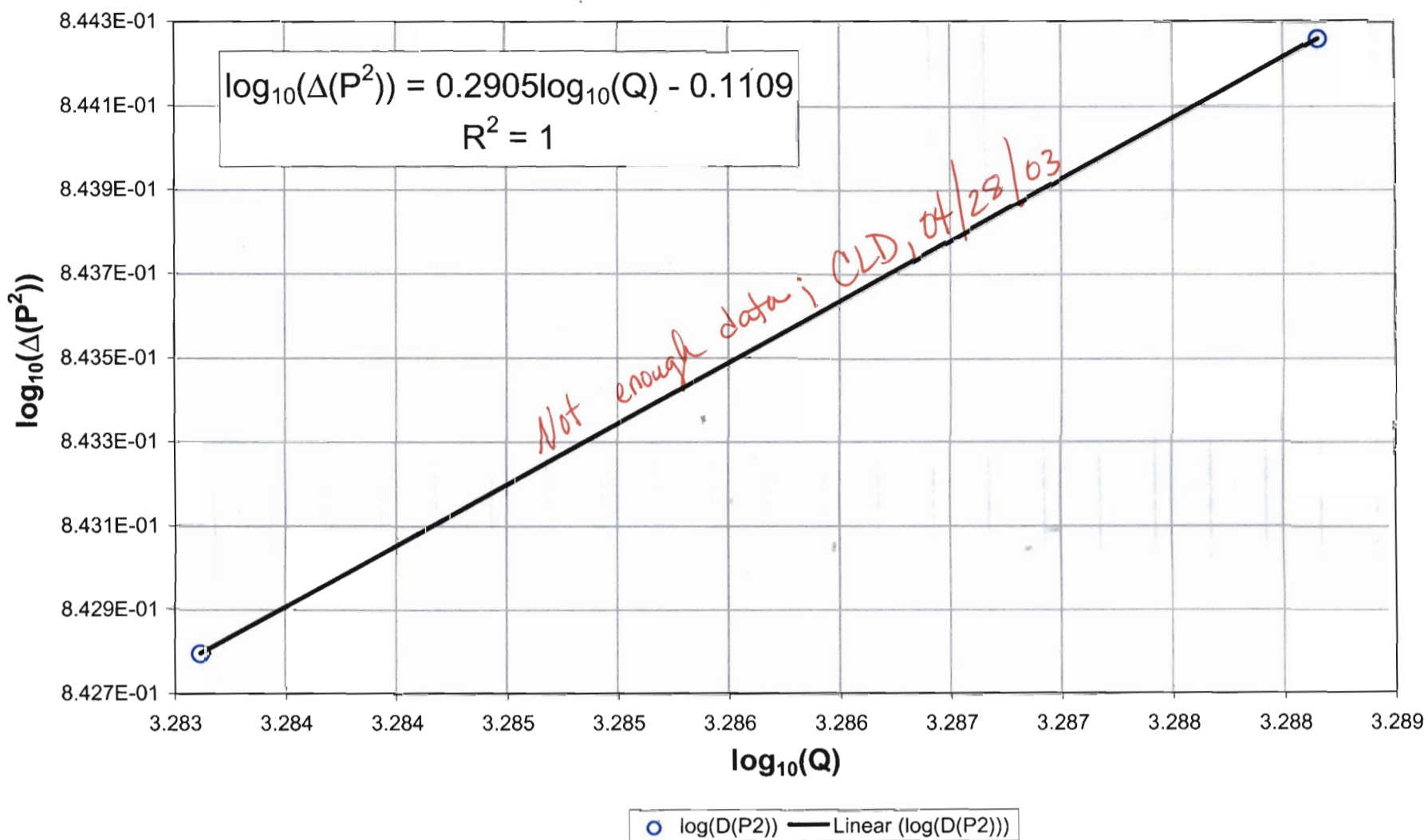
RNM, 08/28/02

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.
 X Transect: Drillhole 69



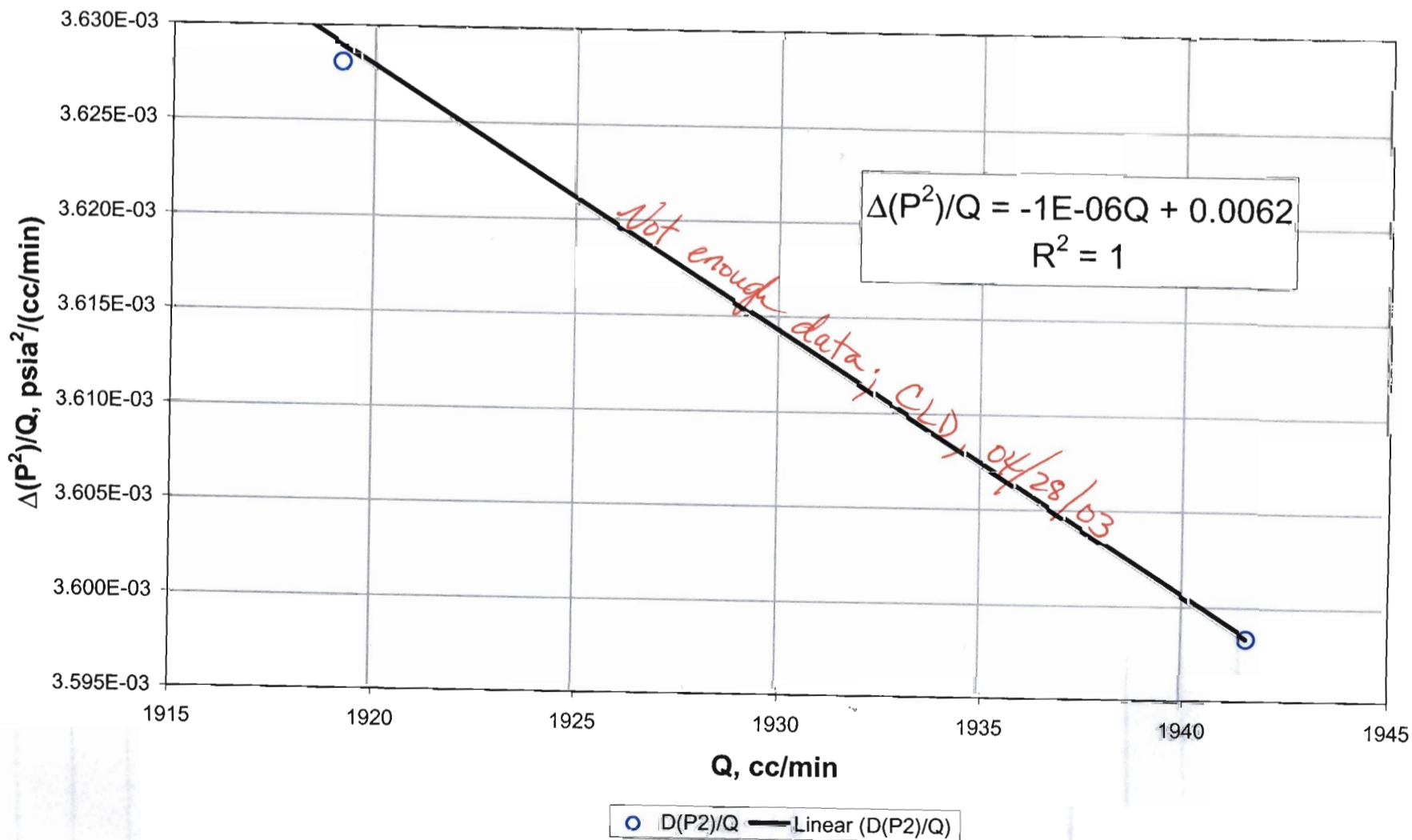
RNM, 08/28/02

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)
X Transect: Drillhole 69



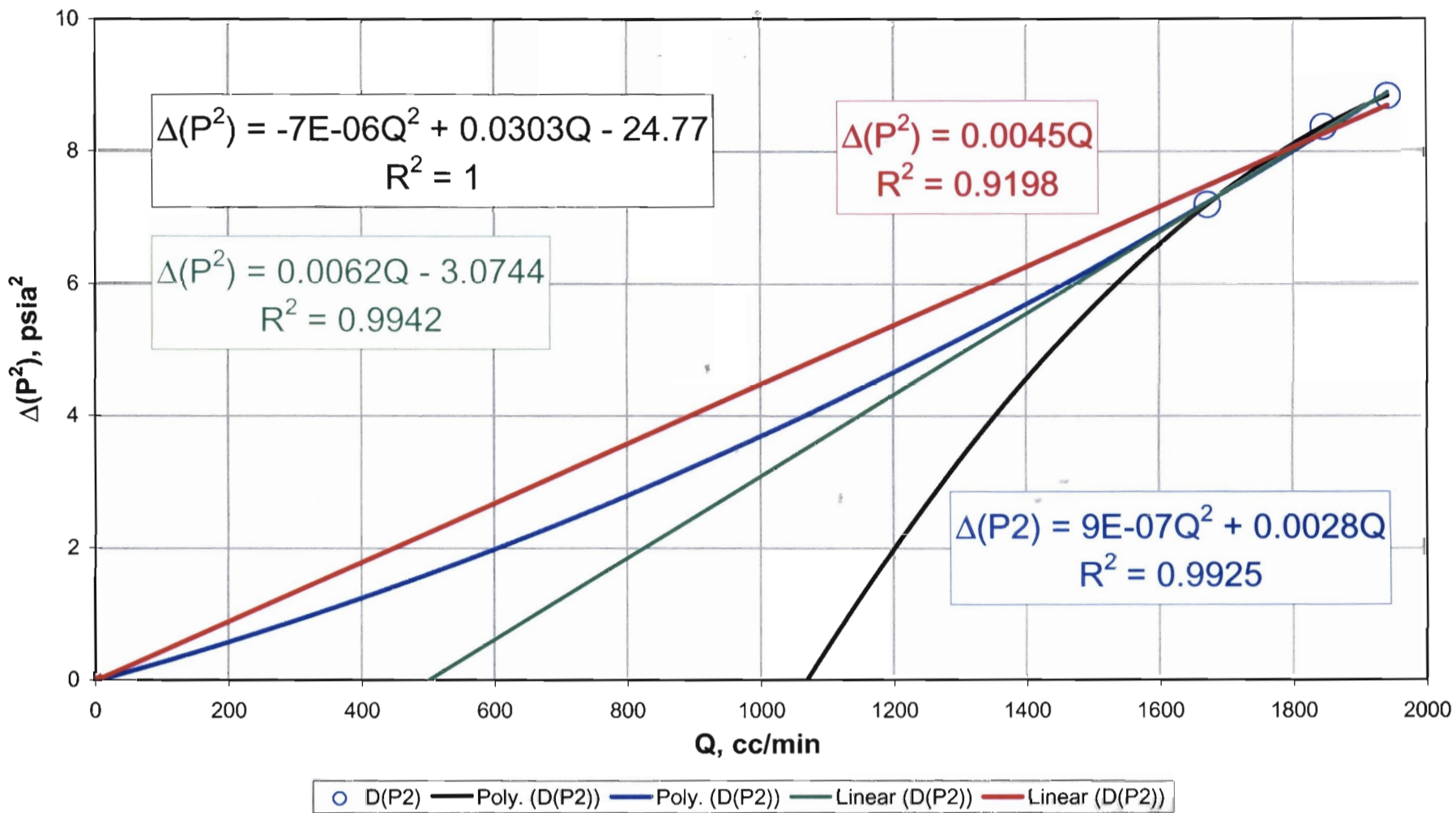
RNM, 08/28/02

Final check for high velocity flow effects:
High velocity flow effects are present when the slope is non-zero and positive.
X Transect : Drillhole 69



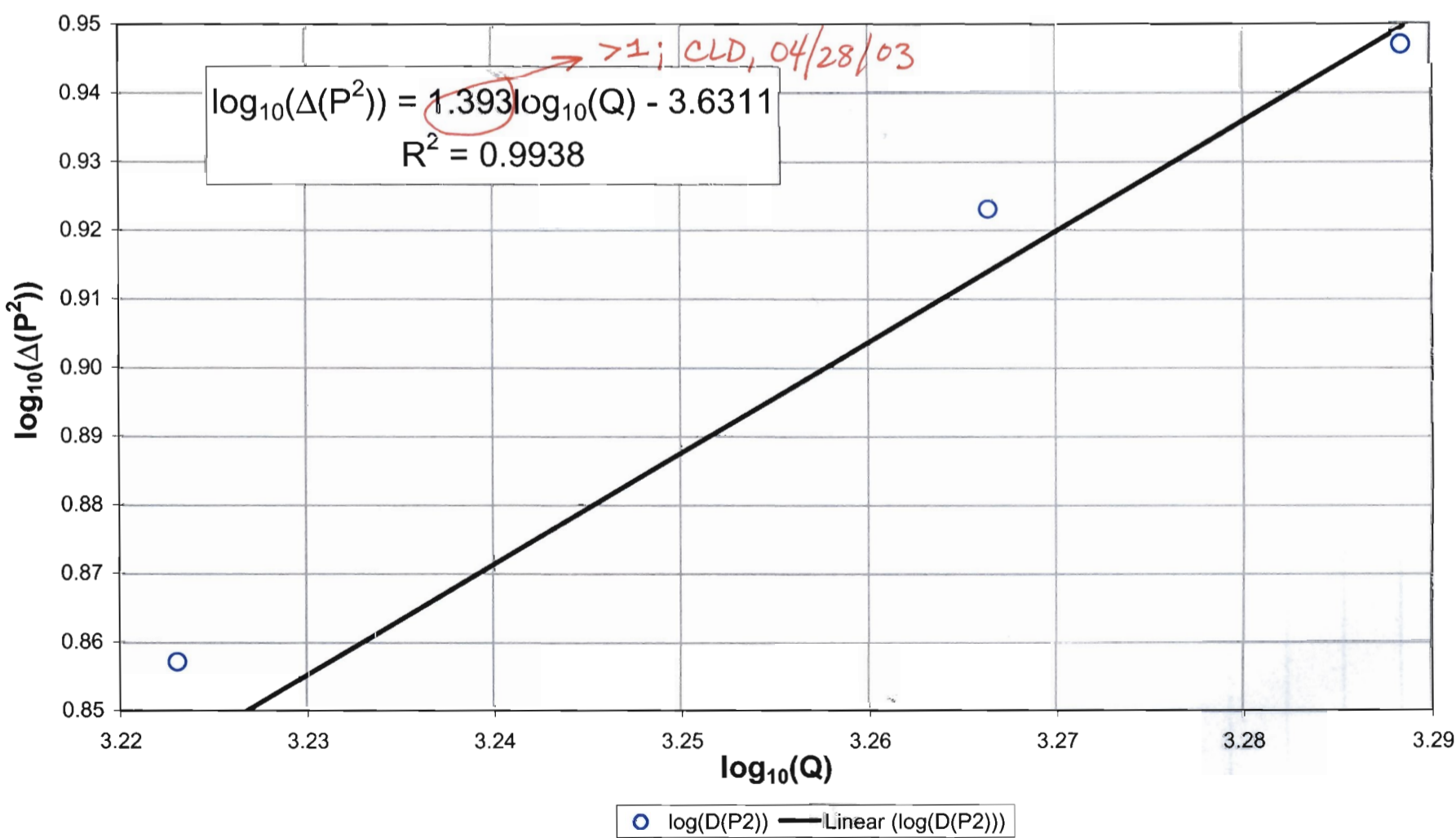
RNM, 08/28/02

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.
 X Transect: Drillhole 70



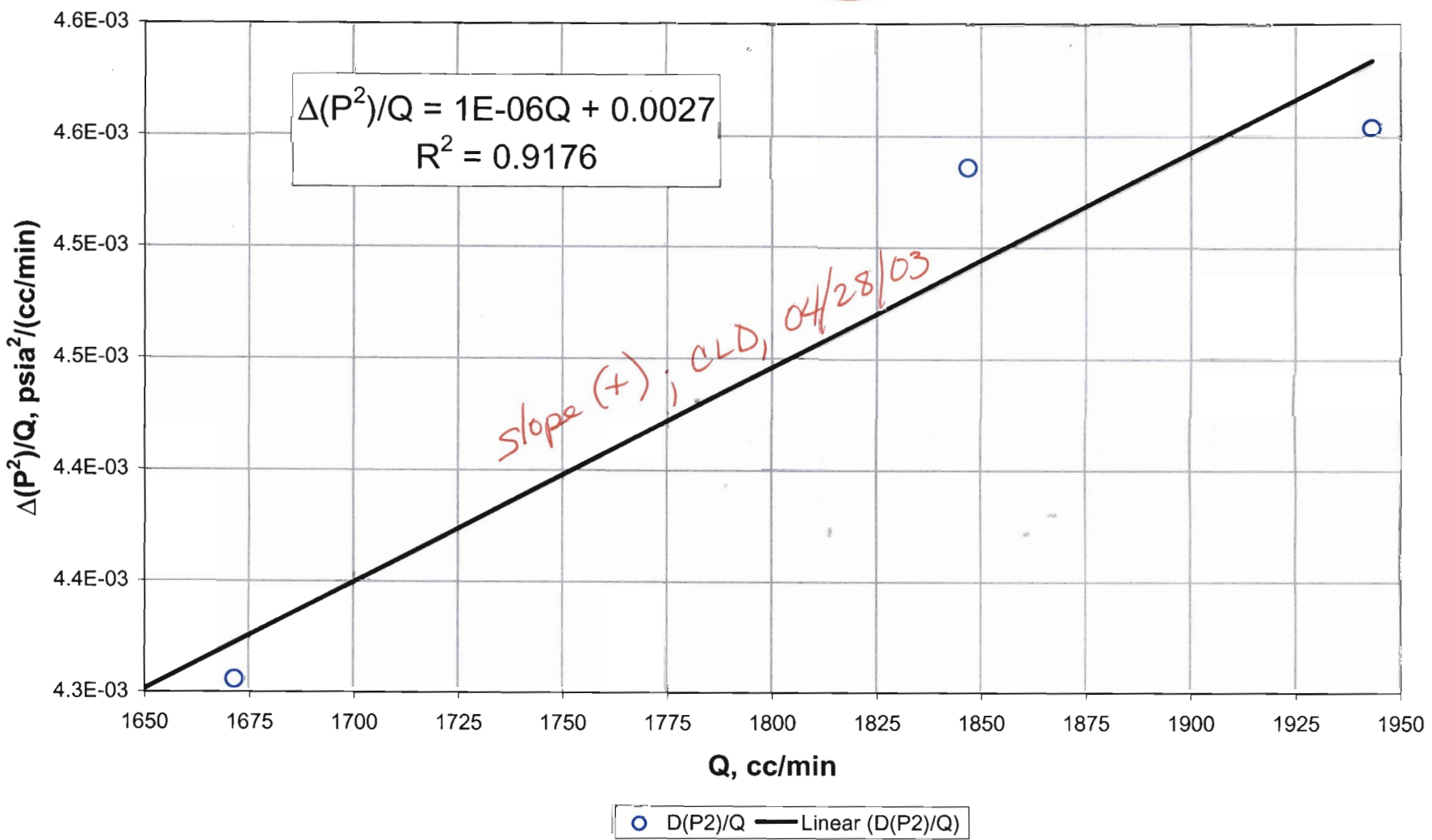
RNM, 08/28/02

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)
 X Transect: Drillhole 70



RNM, 08/28/02

Final check for high velocity flow effects:
 High velocity flow effects are present when the slope is non-zero and positive.
 X Transect : Drillhole 70

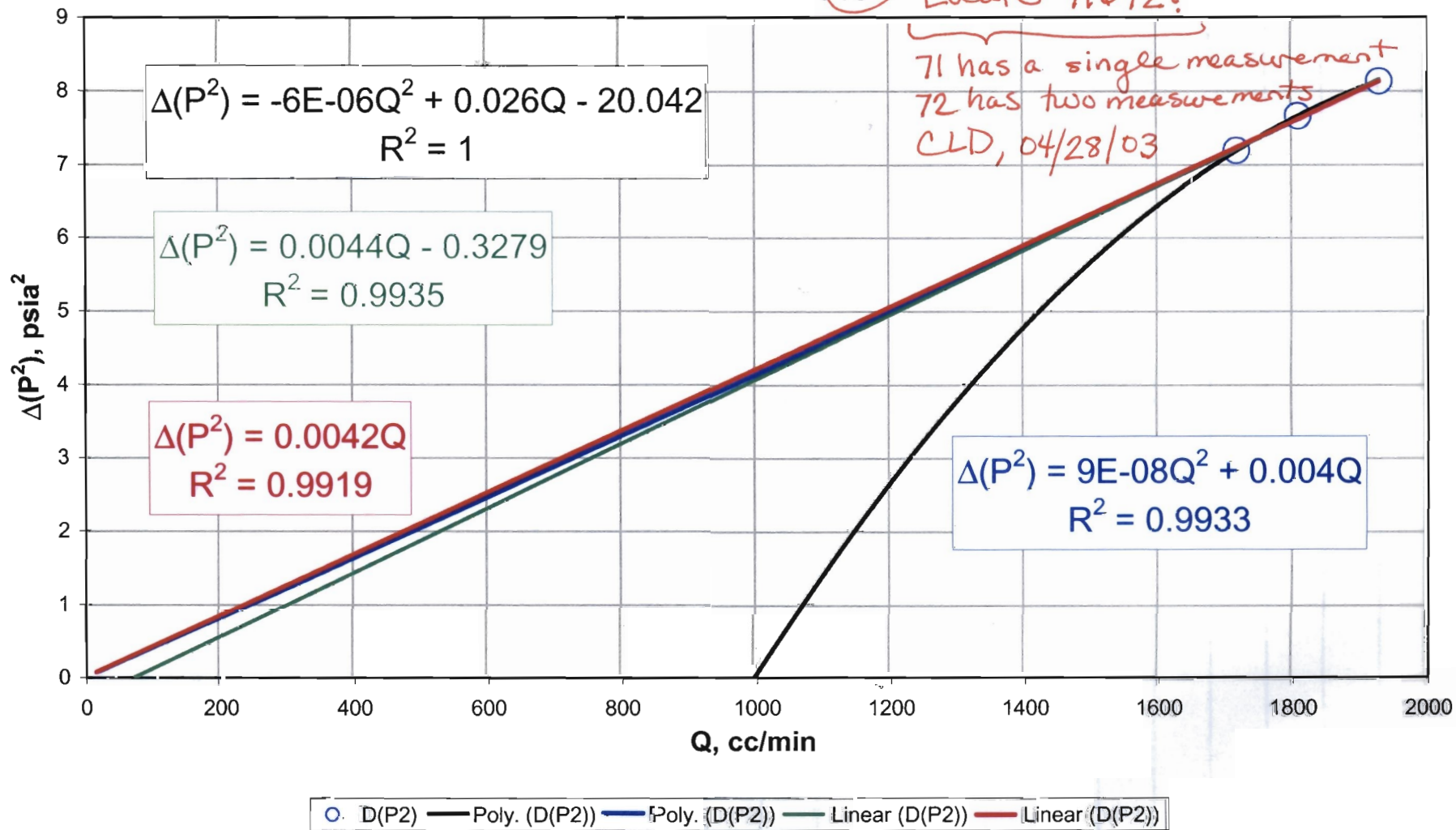


RMM, 08/28/02

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.

X Transect: Drillhole 73

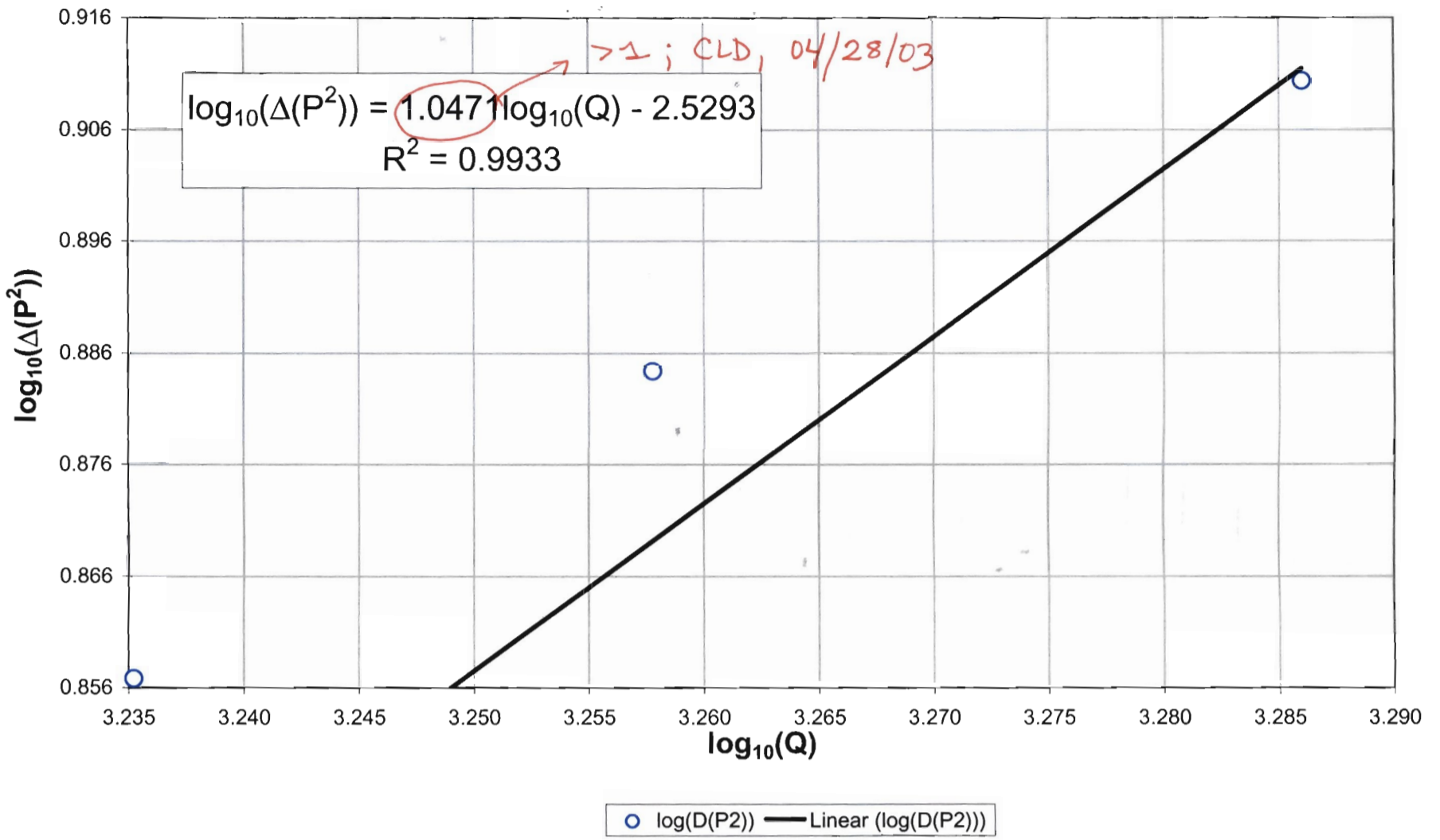
Locate 71+72?



RMM, 08/28/02

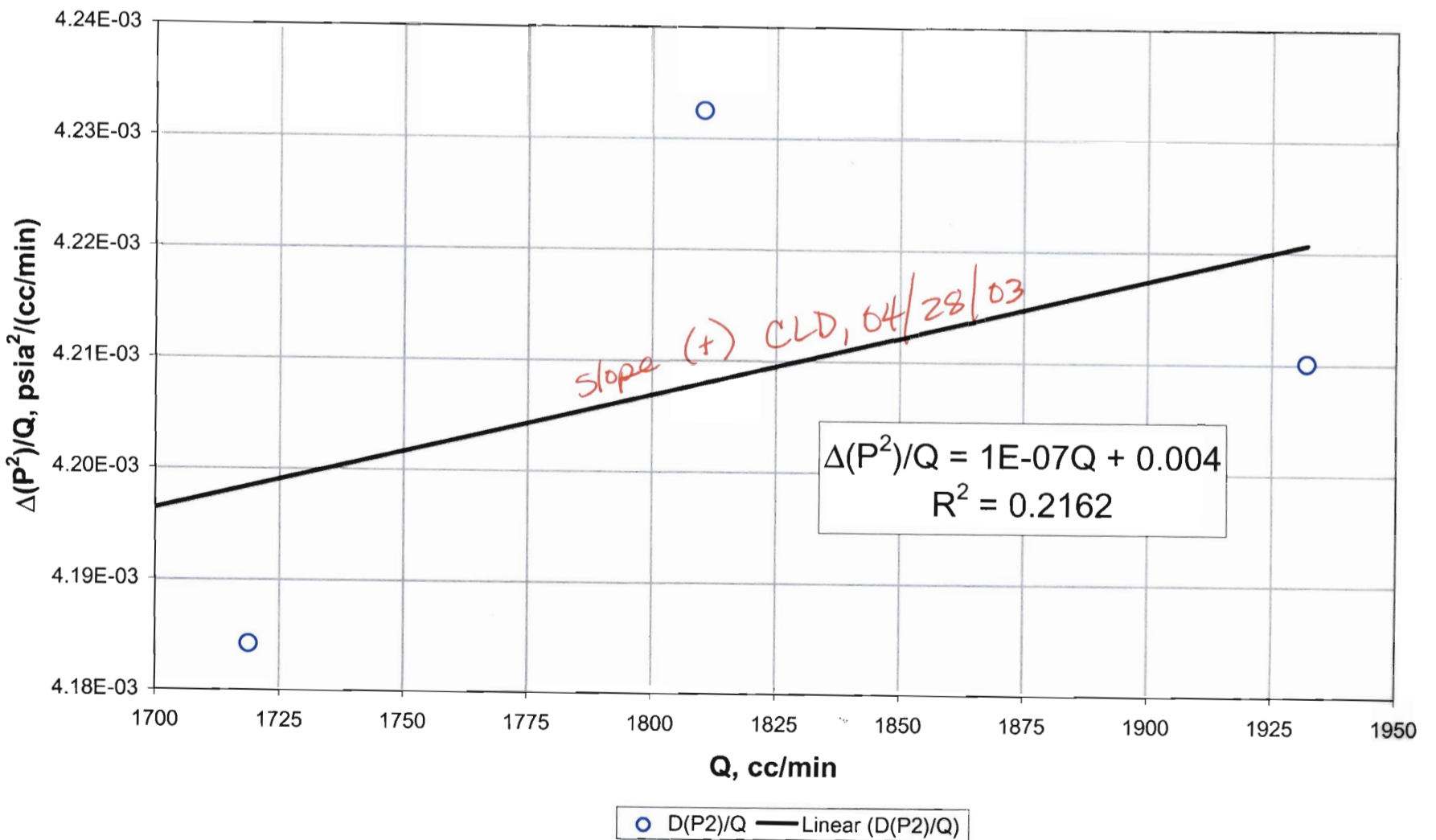
Log-Log plot of differential pressures squared vs. flowrate--used to identify the presence of high-velocity flow effects (when the slope is greater than unity)

X Transect: Drillhole 73



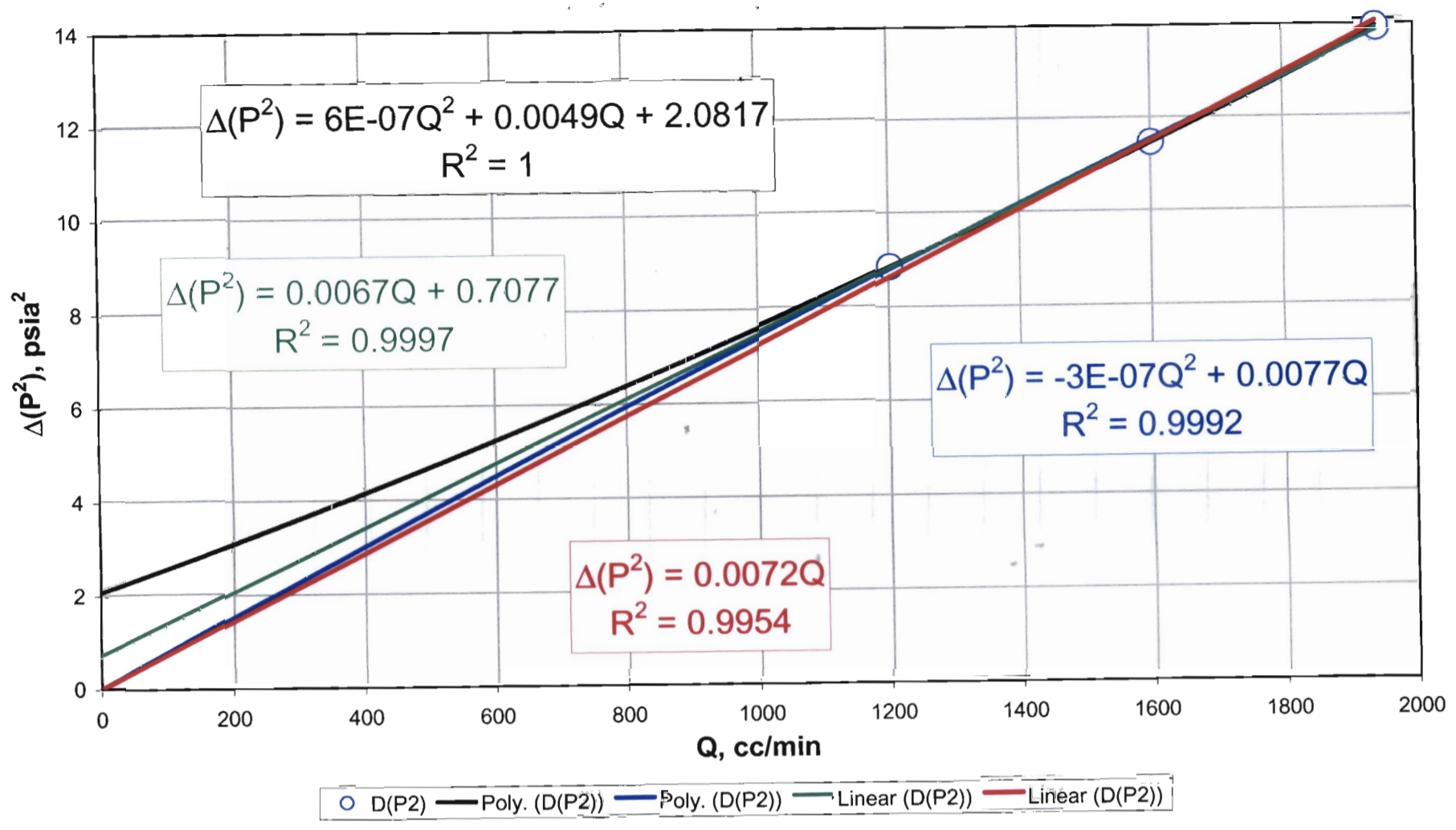
RNM, 08/28/02

Final check for high velocity flow effects: High velocity flow effects are present when the slope is non-zero and positive. X Transect : Drillhole 73



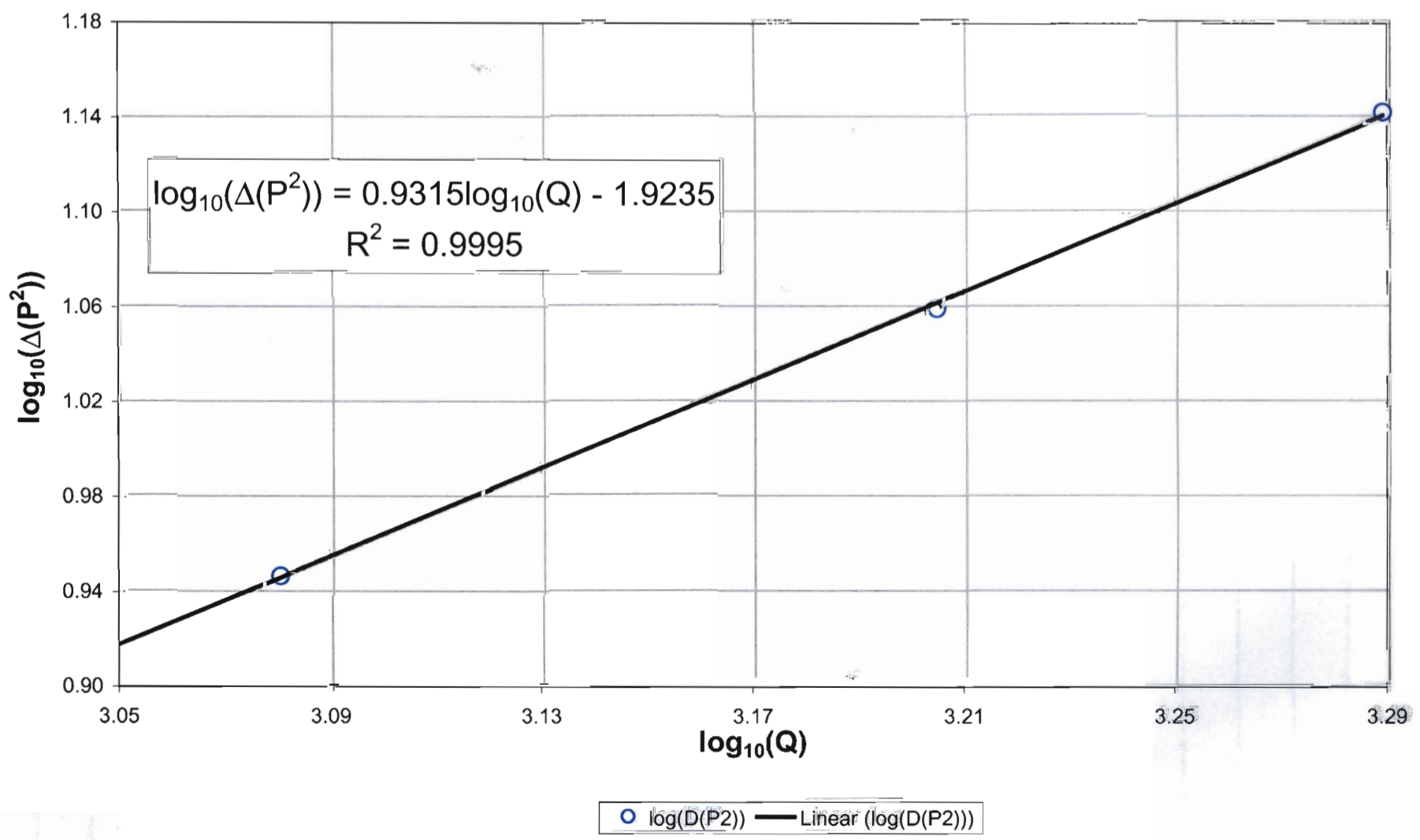
RNM, 08/28/02

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.
 X Transect: Drillhole 74



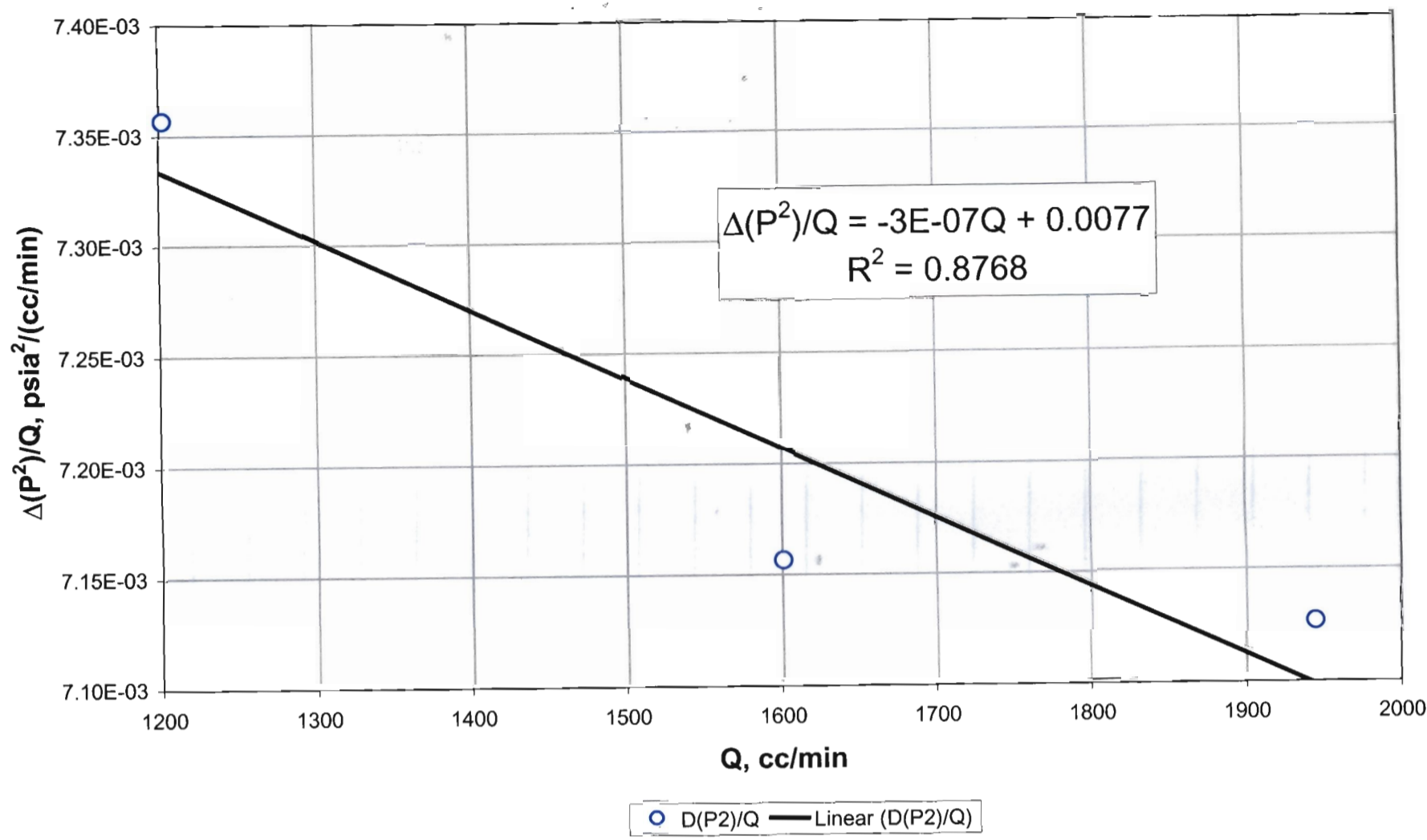
RMM, 08/28/02

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)
 X Transect: Drillhole 74



RMM, 08/28/02

Final check for high velocity flow effects:
 High velocity flow effects are present when the slope is non-zero and positive.
 X Transect : Drillhole 74

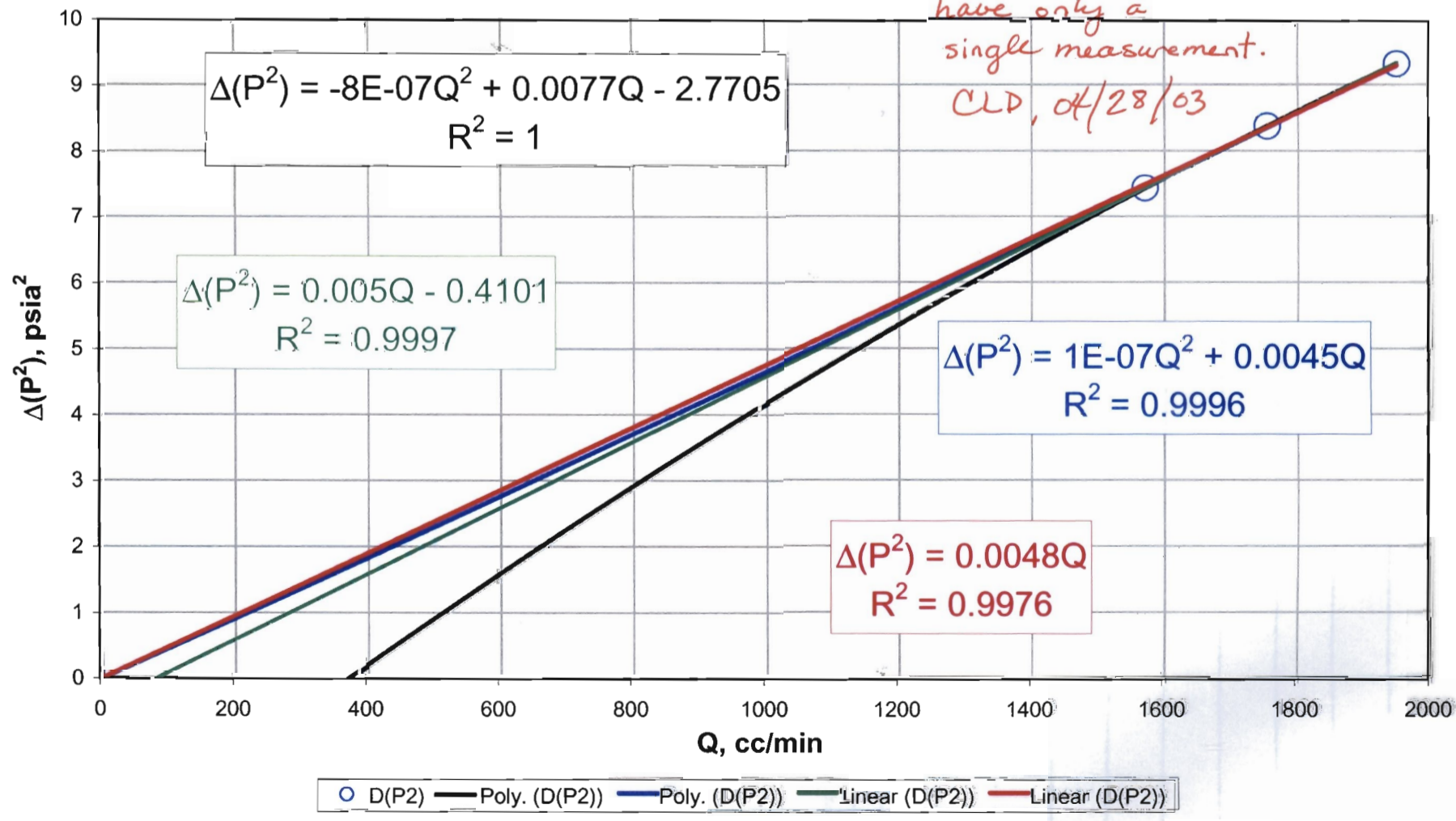


RNM, 08/28/03

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.

X Transect: Drillhole 78

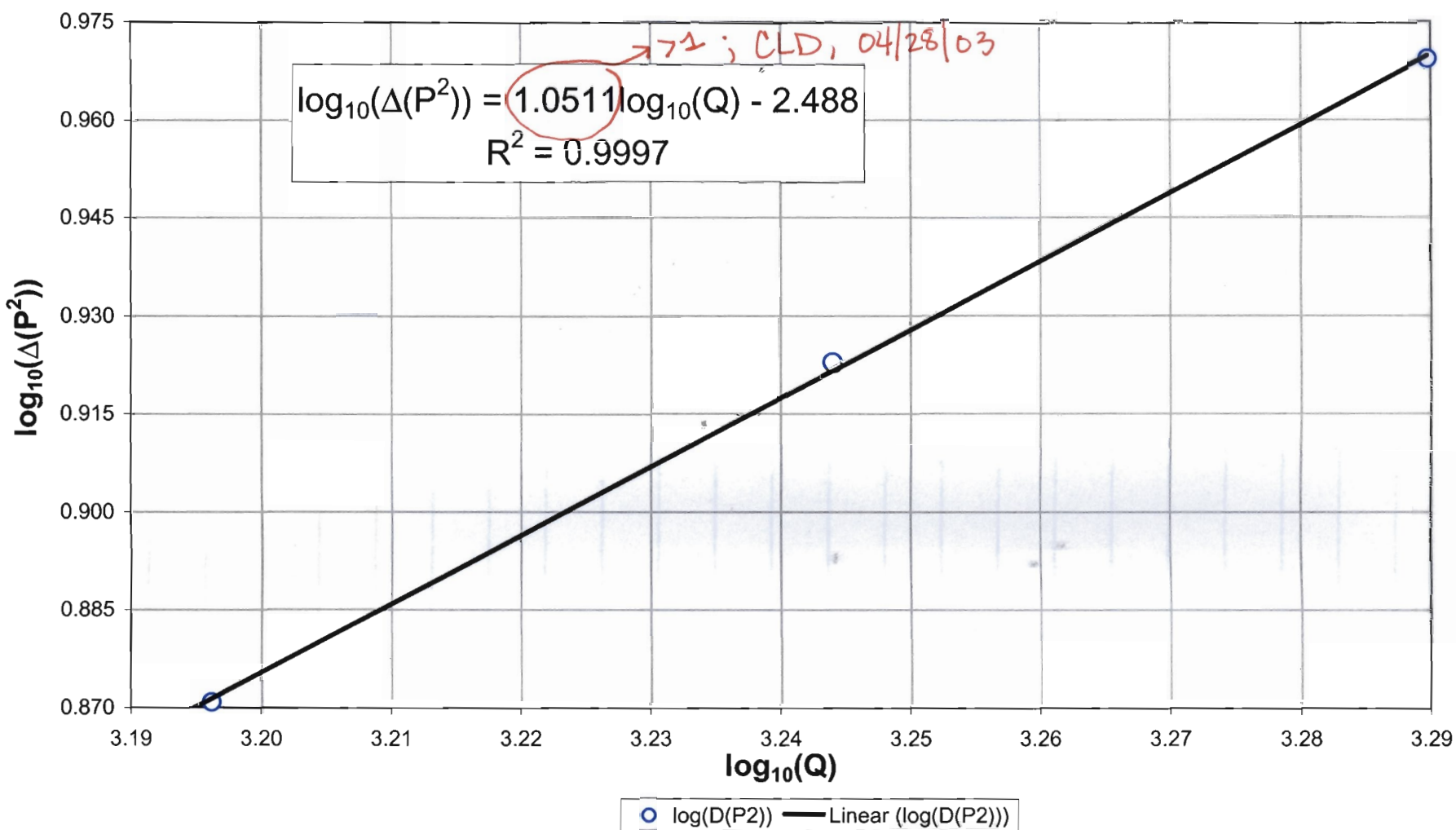
Drillholes 75, 76, 77 each have only a single measurement.
 CLD, 04/28/03



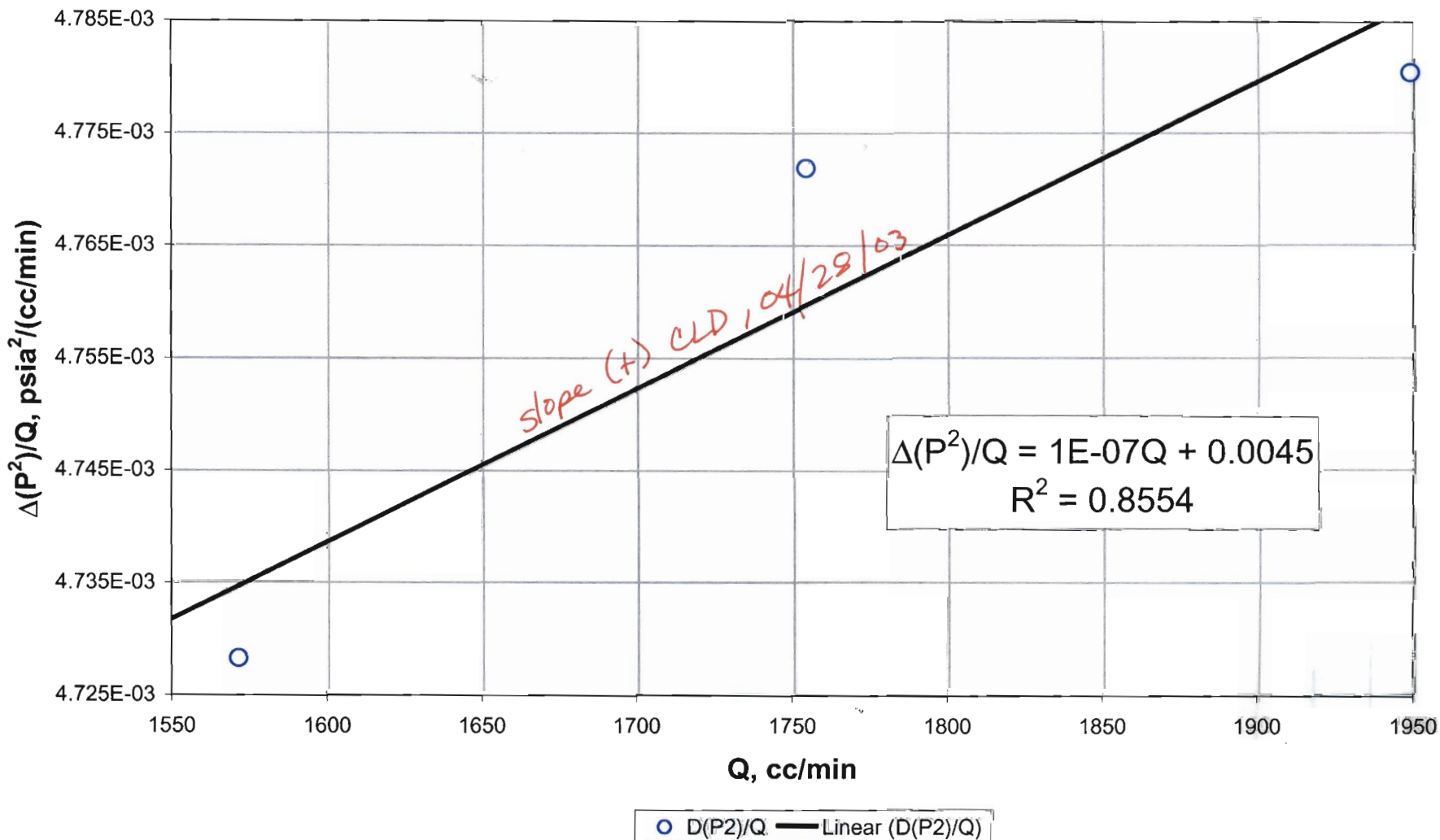
RNM, 08/28/03

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)

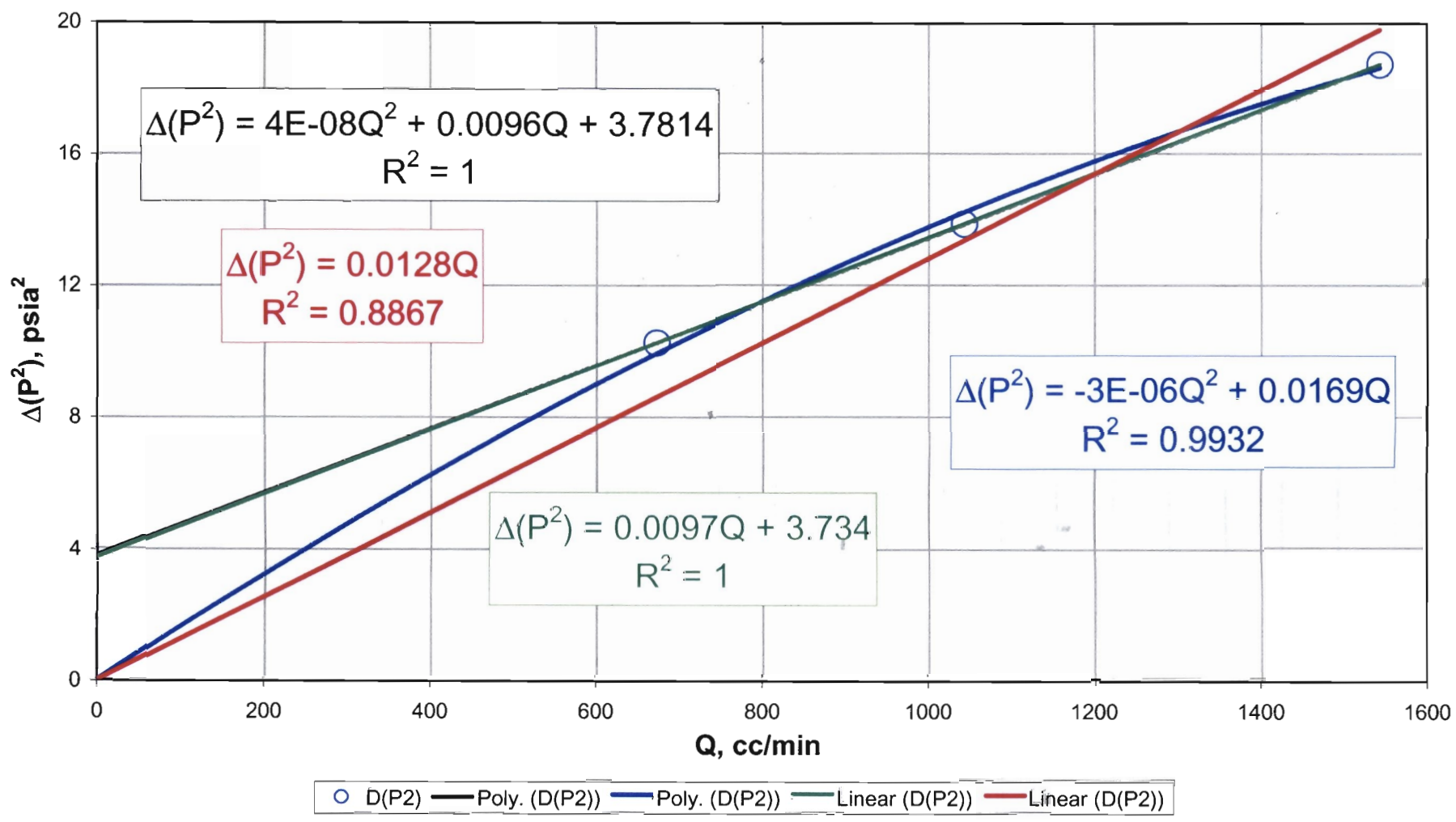
X Transect: Drillhole 78



Final check for high velocity flow effects: High velocity flow effects are present when the slope is non-zero and positive. X Transect : Drillhole 78

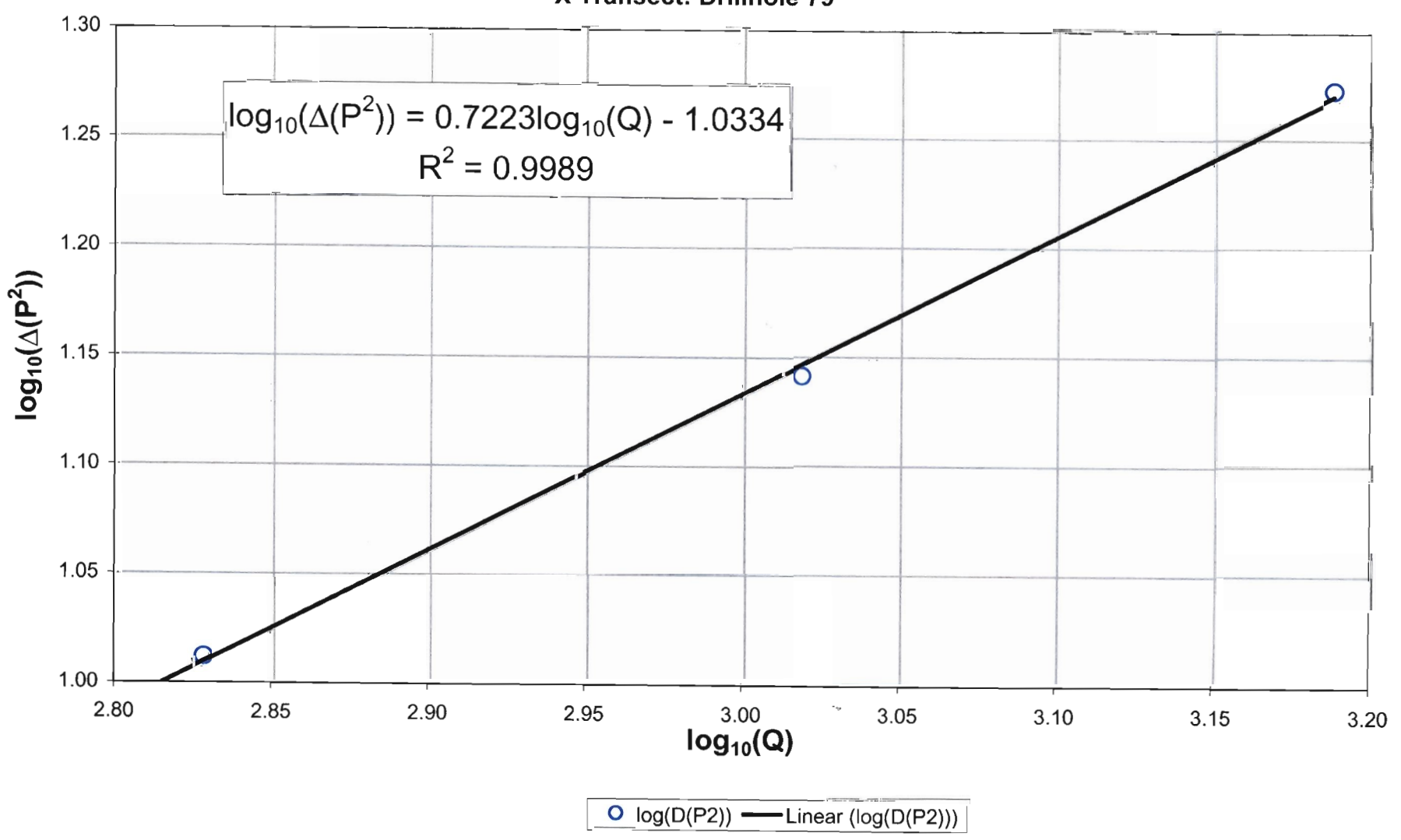


Relationship between steady-state differential pressures squared and flowrate:
 If relationship is linear, with the ordinate intercept nearly zero,
 there is no high velocity flow effect.
 X Transect: Drillhole 79



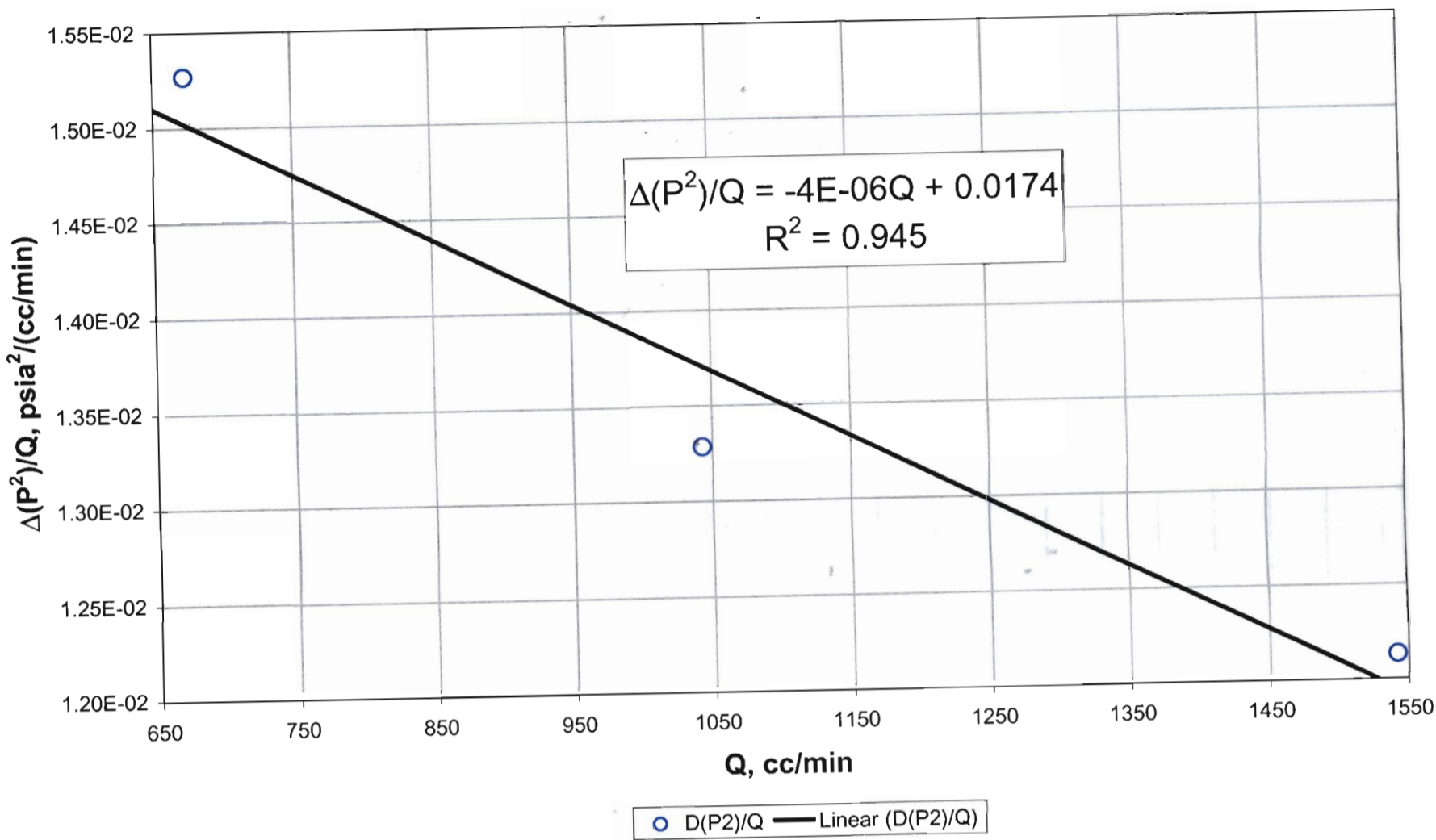
RWM, 08/28/02

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)
 X Transect: Drillhole 79



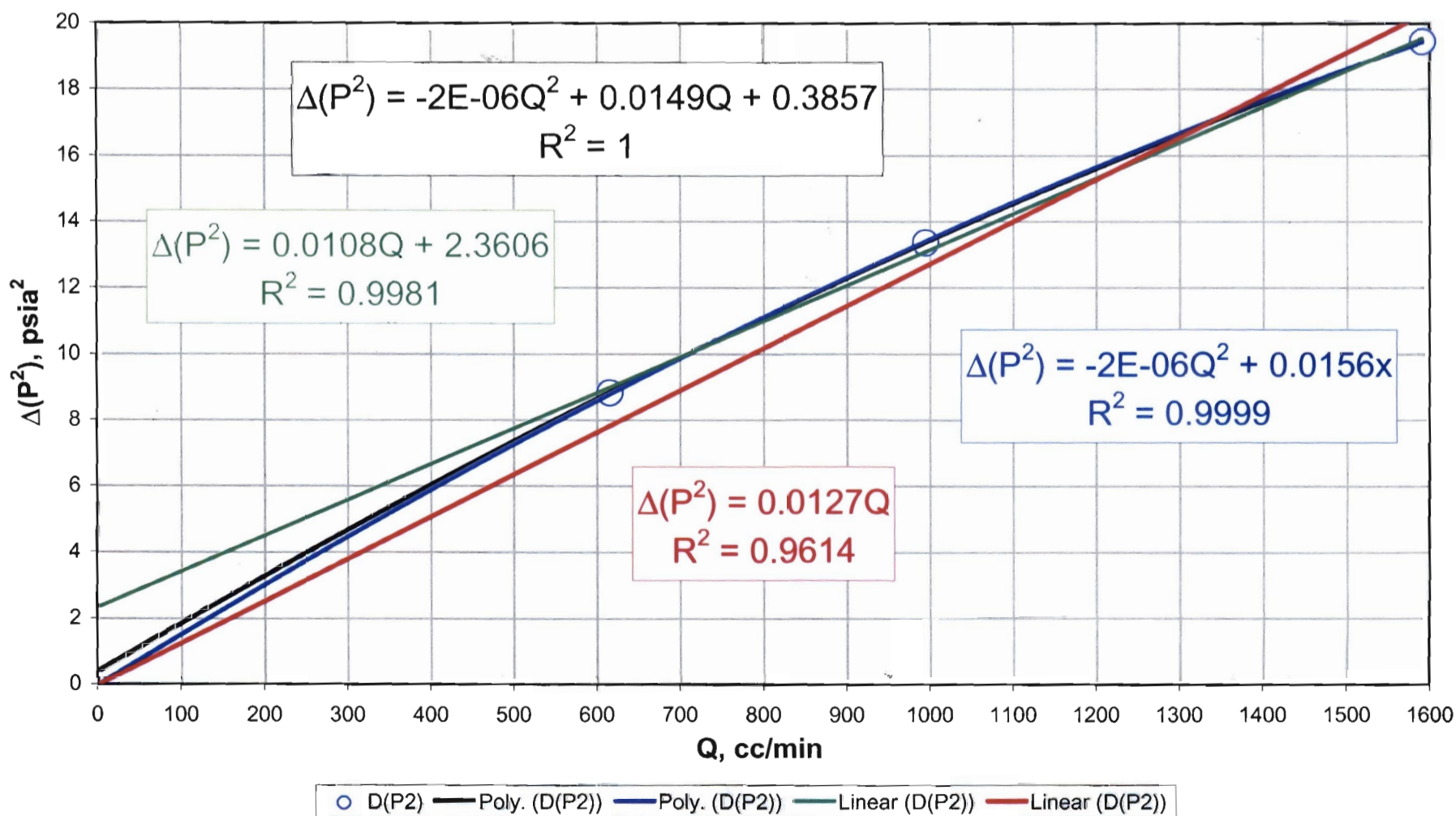
RWM, 08/28/02

Final check for high velocity flow effects:
 High velocity flow effects are present when the slope is non-zero and positive.
 X Transect : Drillhole 79



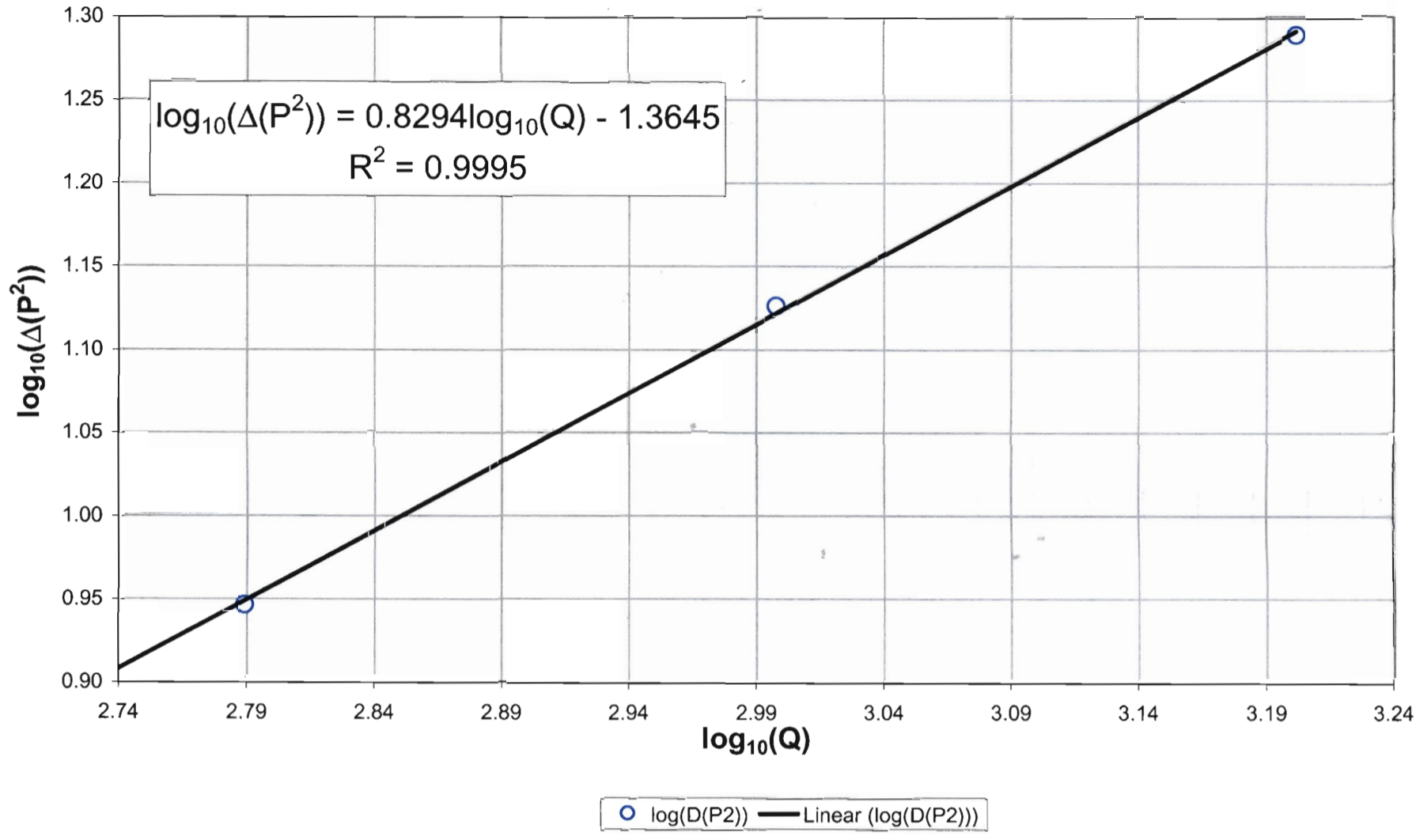
RNM, 08/28/02

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.
 X Transect: Drillhole 80



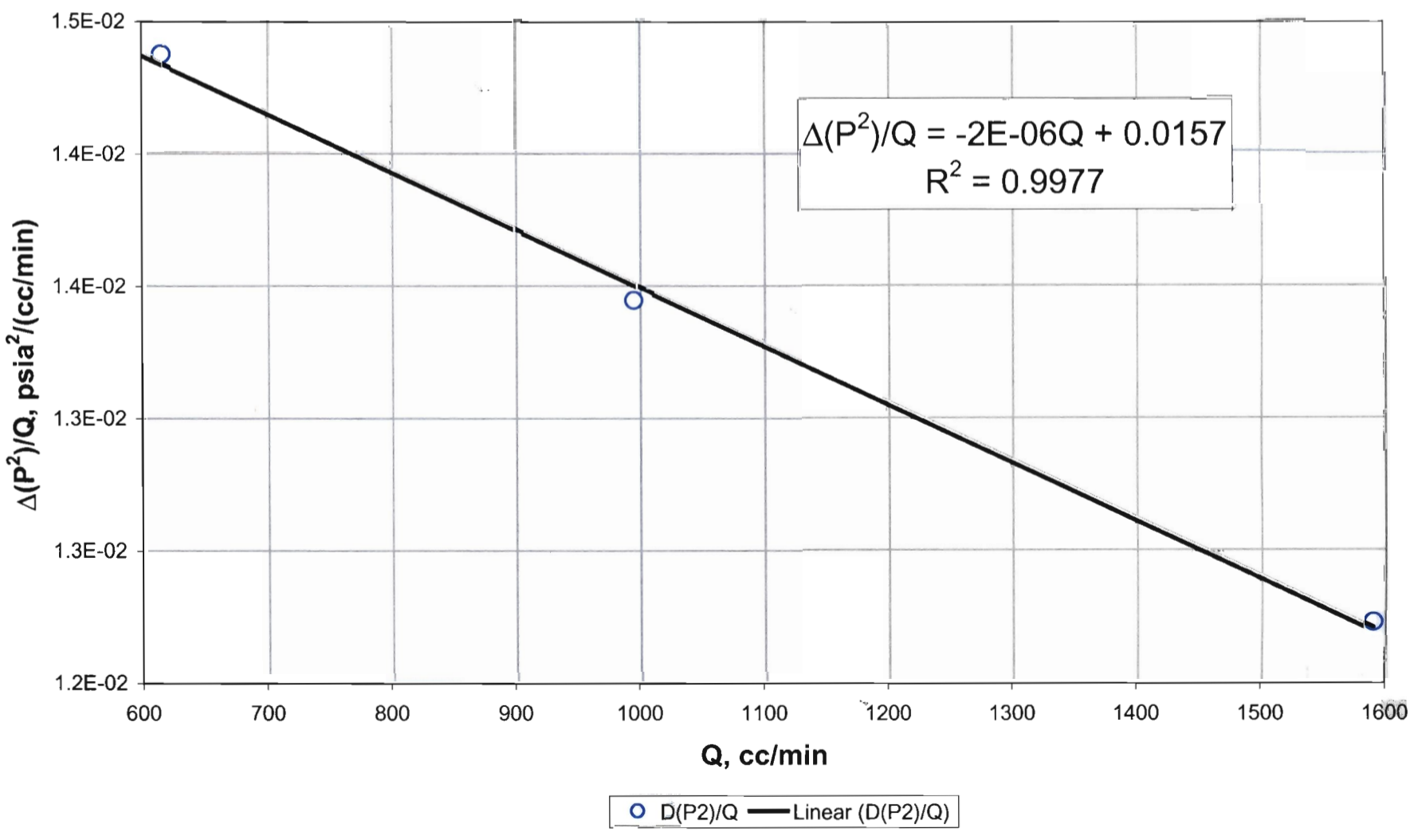
RNM, 08/28/02

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)
 X Transect: Drillhole 80



RNM, 08/28/02

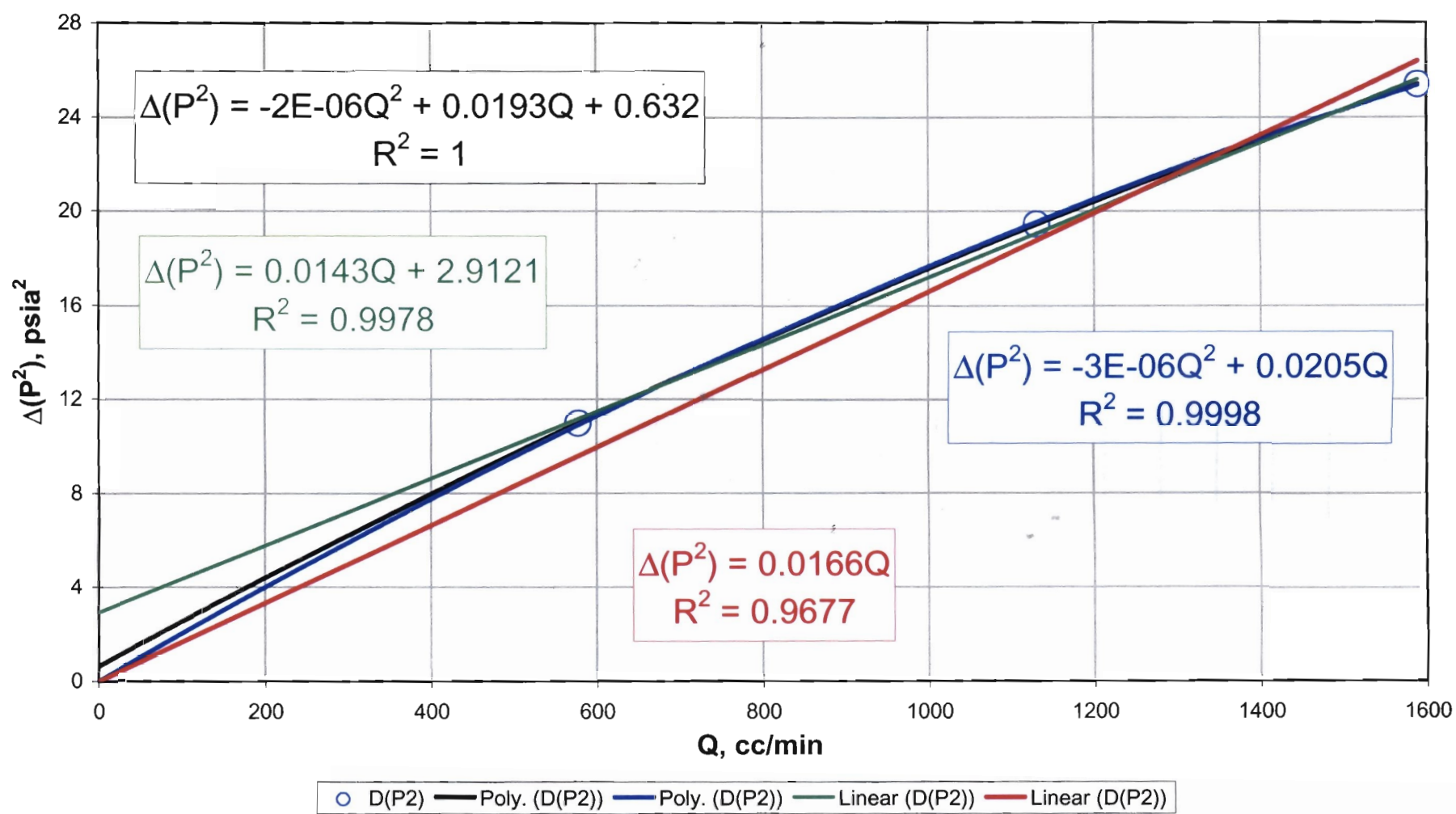
Final check for high velocity flow effects:
 High velocity flow effects are present when the slope is non-zero and positive.
 X Transect : Drillhole 80



RNM, 08/28/02

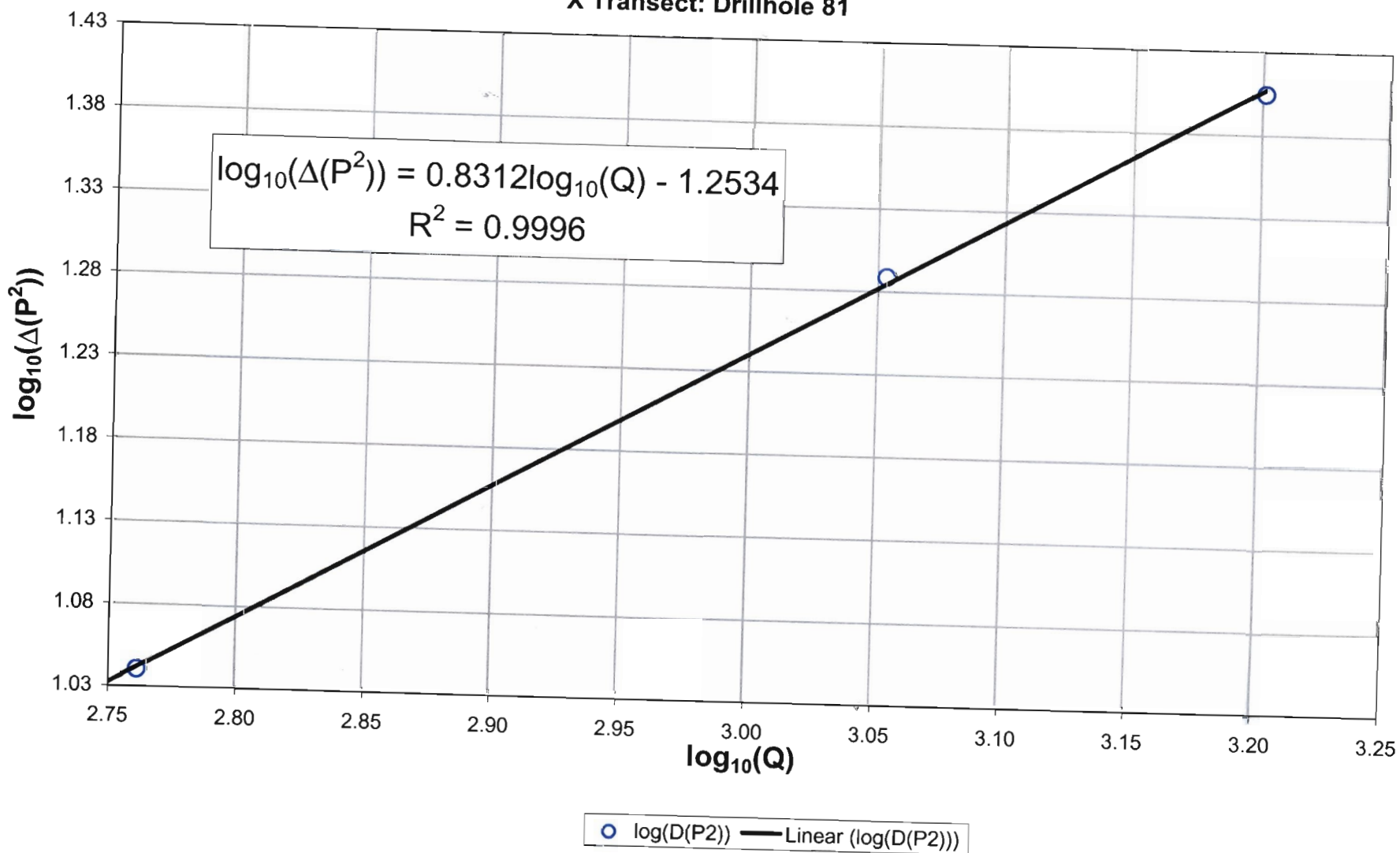
Relationship between steady-state differential pressures squared and flowrate:
 If relationship is linear, with the ordinate intercept nearly zero,
 there is no high velocity flow effect.
 X Transect: Drillhole 81

RNM, 08/18/02

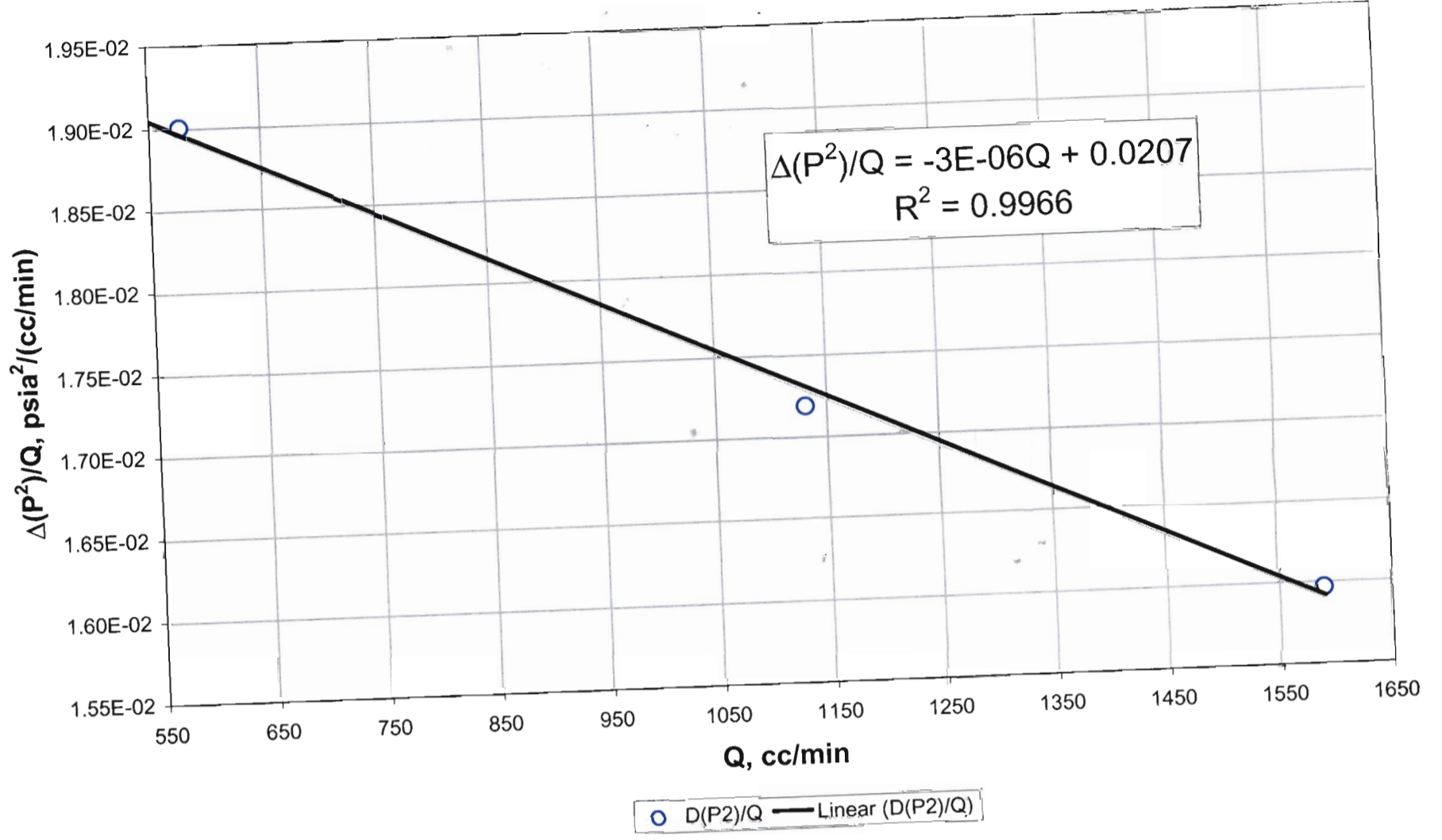


Log-Log plot of differential pressures squared vs. flowrate--used to identify the presence of
 high-velocity flow effects (when the slope is greater than unity)
 X Transect: Drillhole 81

RNM, 08/18/02

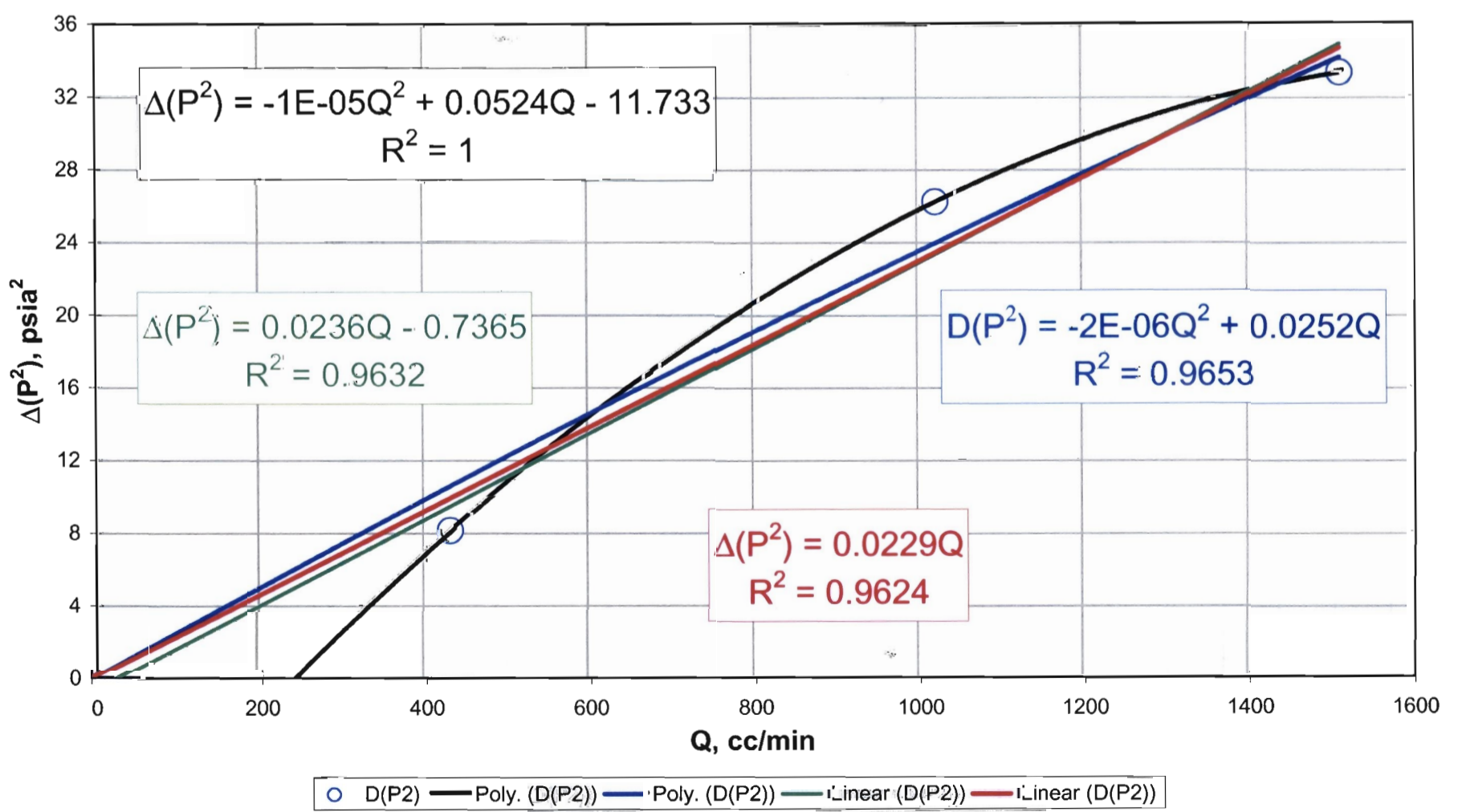


Final check for high velocity flow effects:
 High velocity flow effects are present when the slope is non-zero and positive.
 X Transect : Drillhole 81



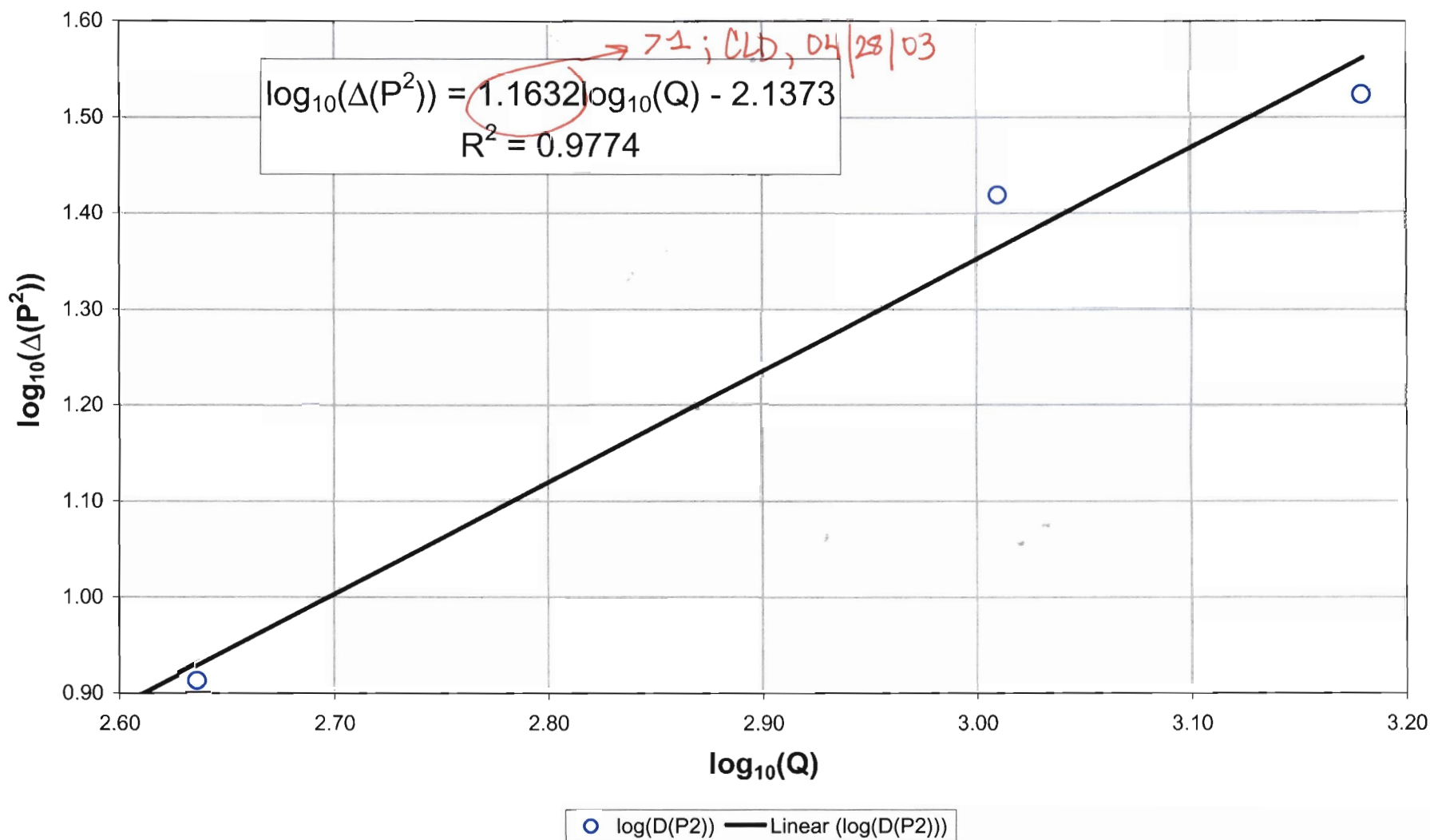
RNM, 08/28/02

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.
 X Transect: Drillhole 82

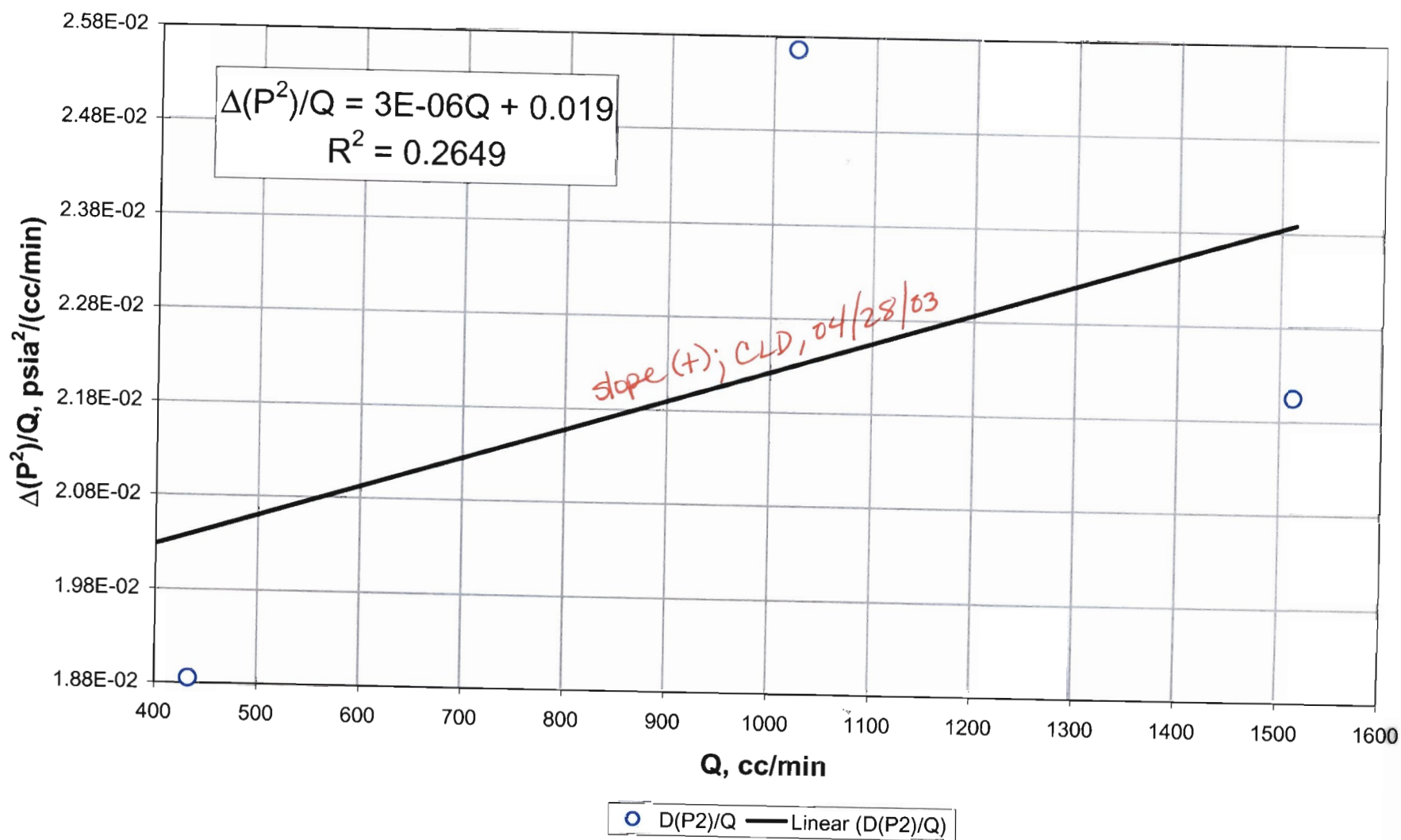


RNM, 08/28/02

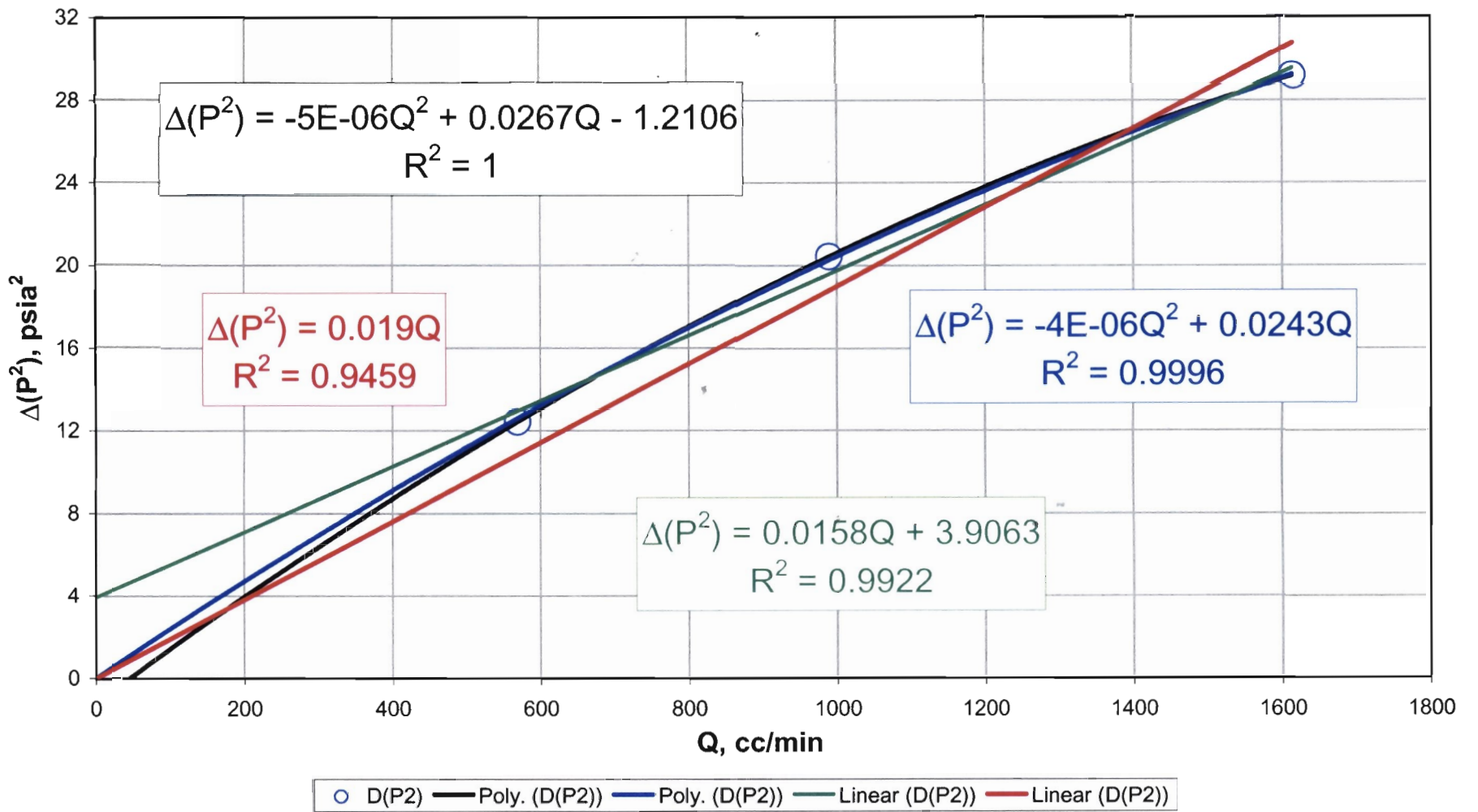
Log-Log plot of differential pressures squared vs. flowrate--used to identify the presence of high-velocity flow effects (when the slope is greater than unity)
X Transect: Drillhole 82



Final check for high velocity flow effects:
High velocity flow effects are present when the slope is non-zero and positive.
X Transect : Drillhole 82

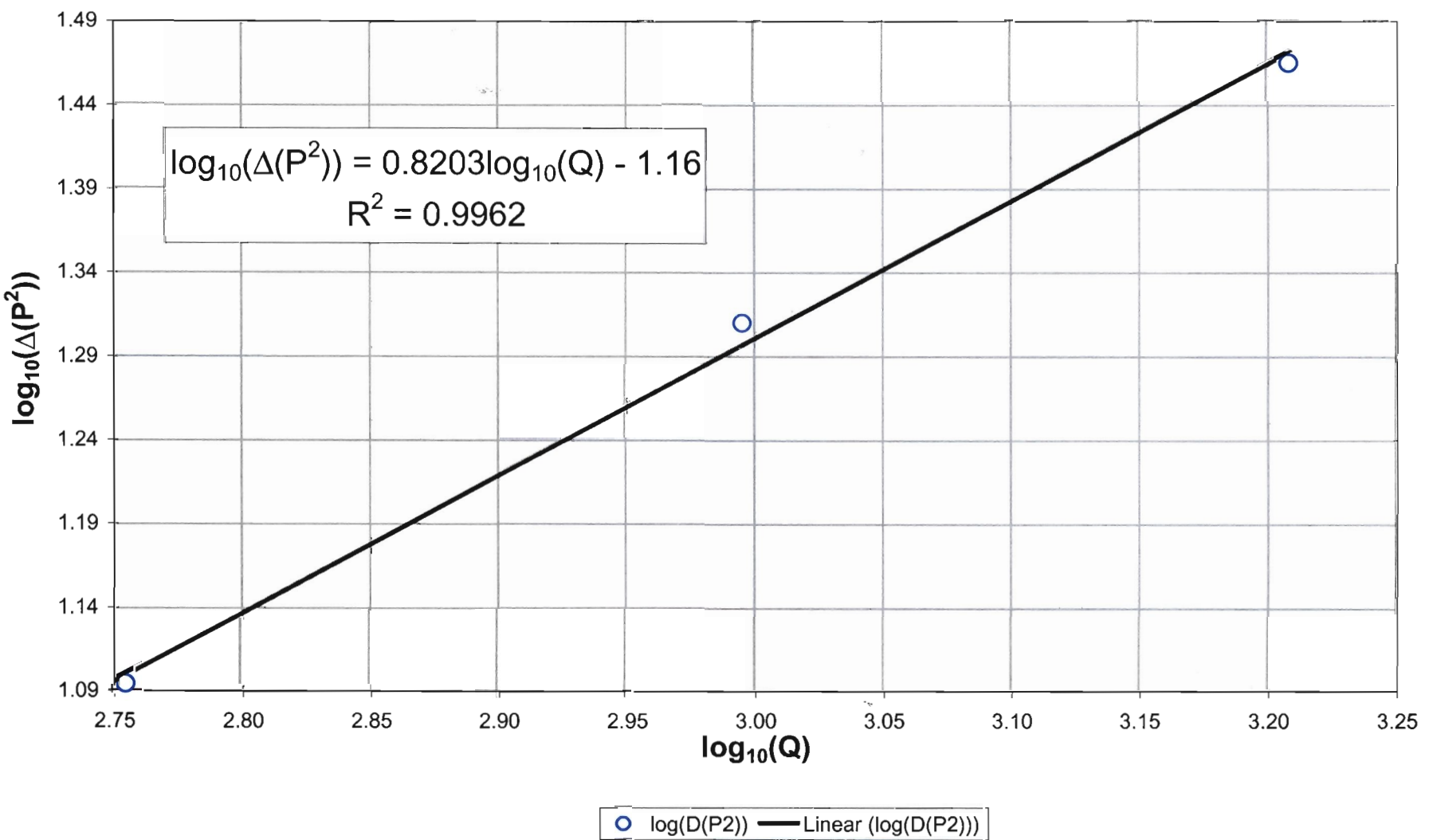


Relationship between steady-state differential pressures squared and flowrate:
 If relationship is linear, with the ordinate intercept nearly zero,
 there is no high velocity flow effect.
 X Transect: Drillhole 83



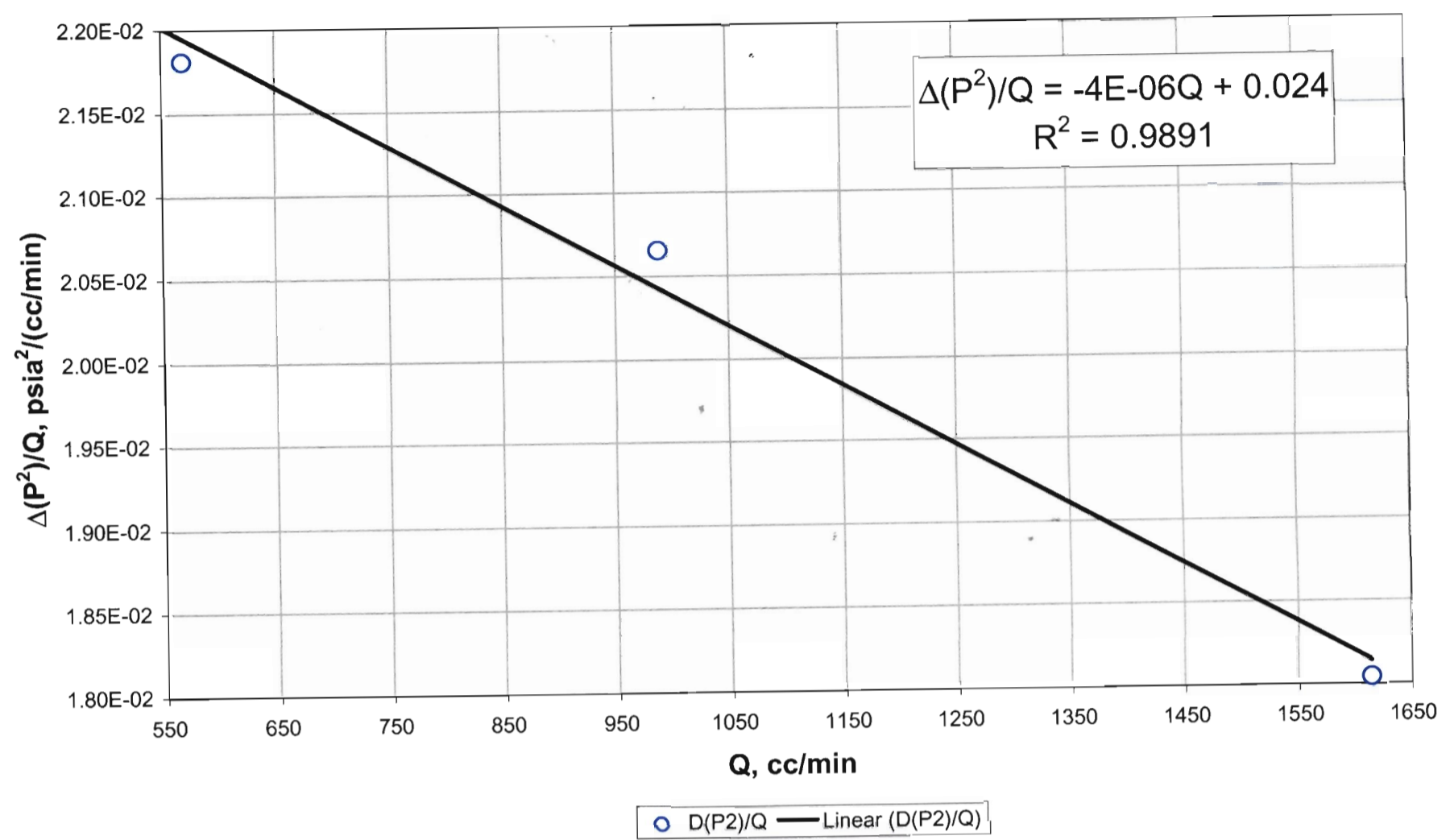
RNM, 08/28/02

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)
 X Transect: Drillhole 83



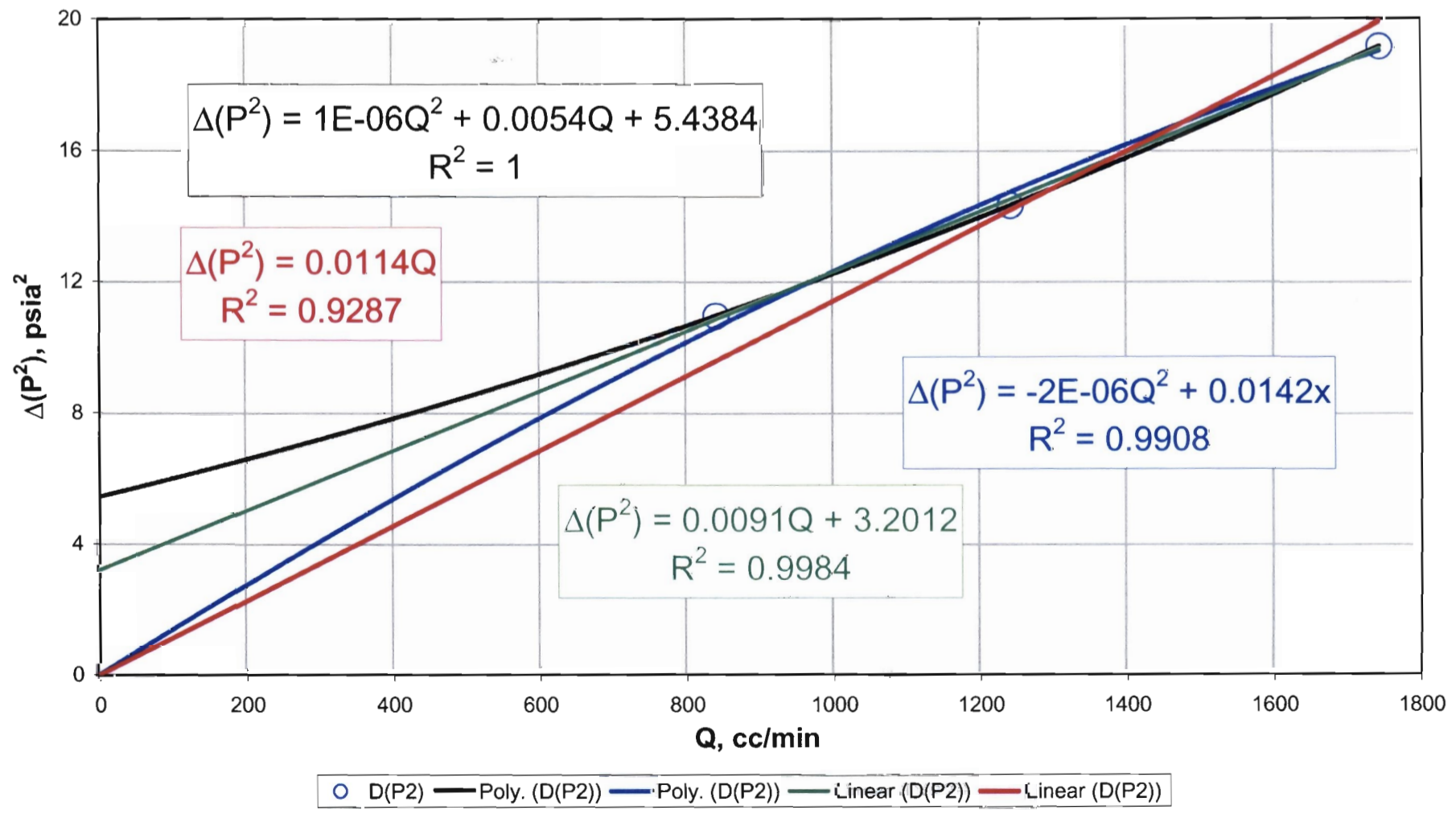
RNM, 08/28/02

Final check for high velocity flow effects:
 High velocity flow effects are present when the slope is non-zero and positive.
 X Transect : Drillhole 83



RNM, 08/28/02

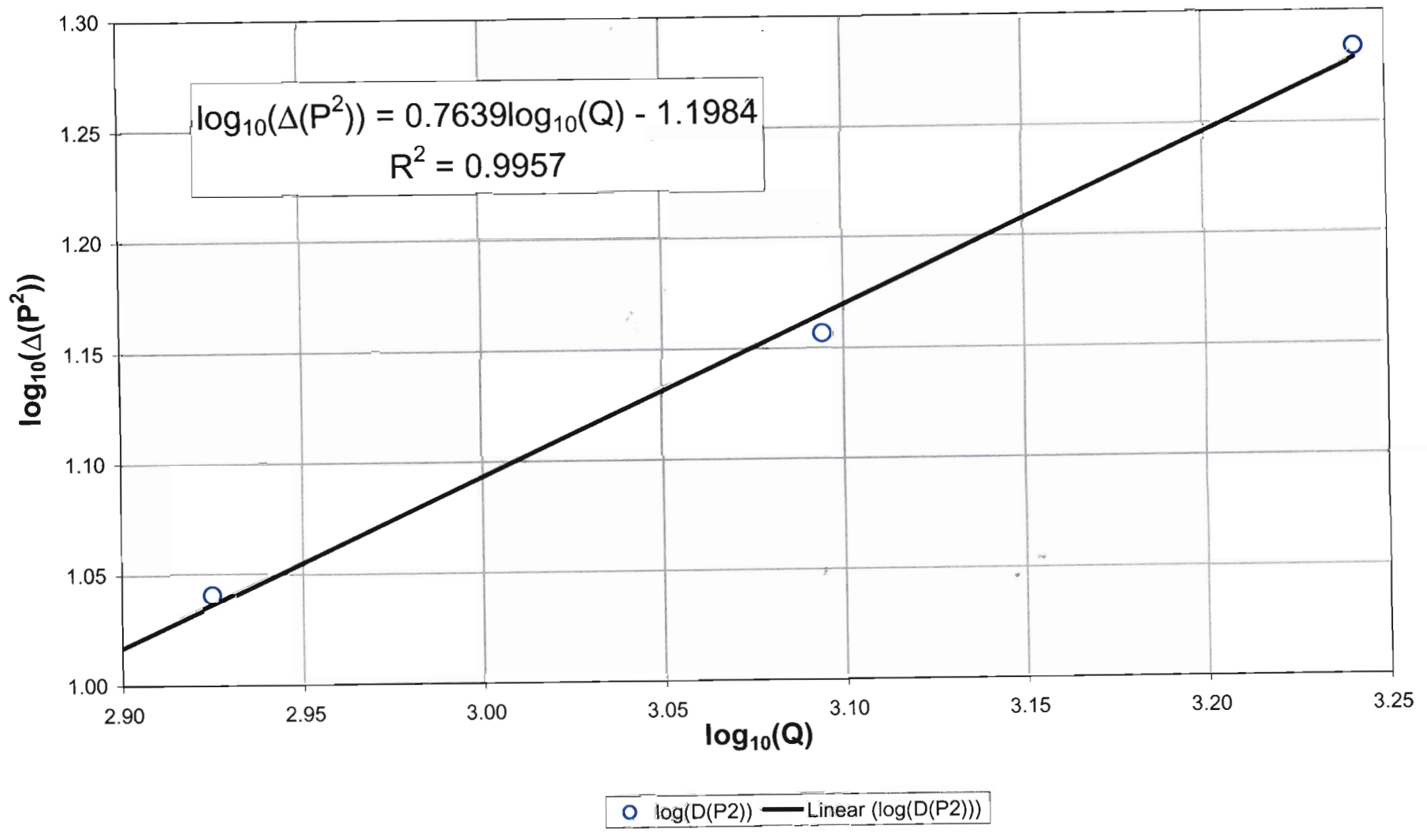
Relationship between steady-state differential pressures squared and flowrate:
 If relationship is linear, with the ordinate intercept nearly zero,
 there is no high velocity flow effect.
 X Transect: Drillhole 84



RNM, 08/28/02

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)

X Transect: Drillhole 84

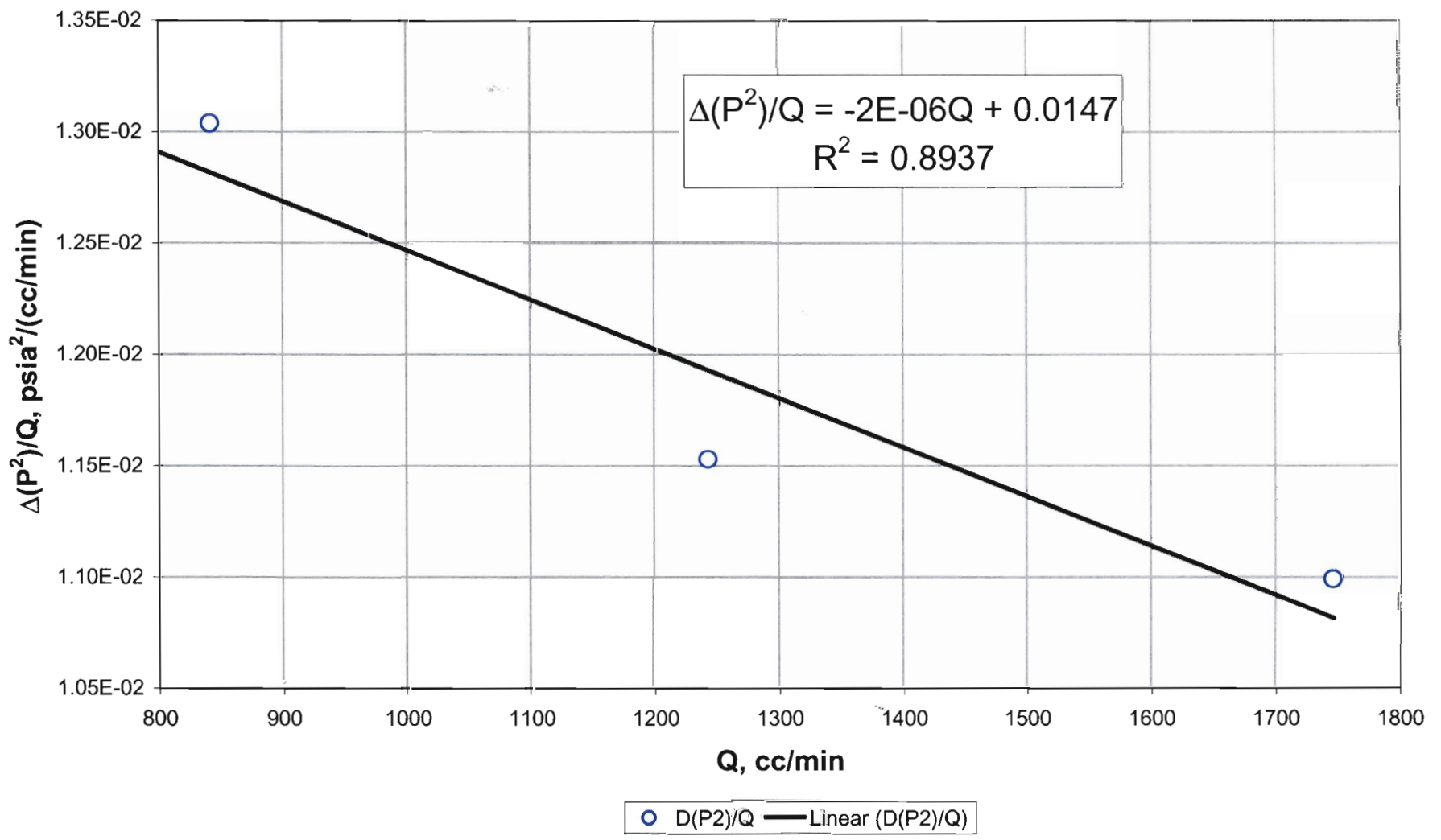


08/28/02

Final check for high velocity flow effects:

High velocity flow effects are present when the slope is non-zero and positive.

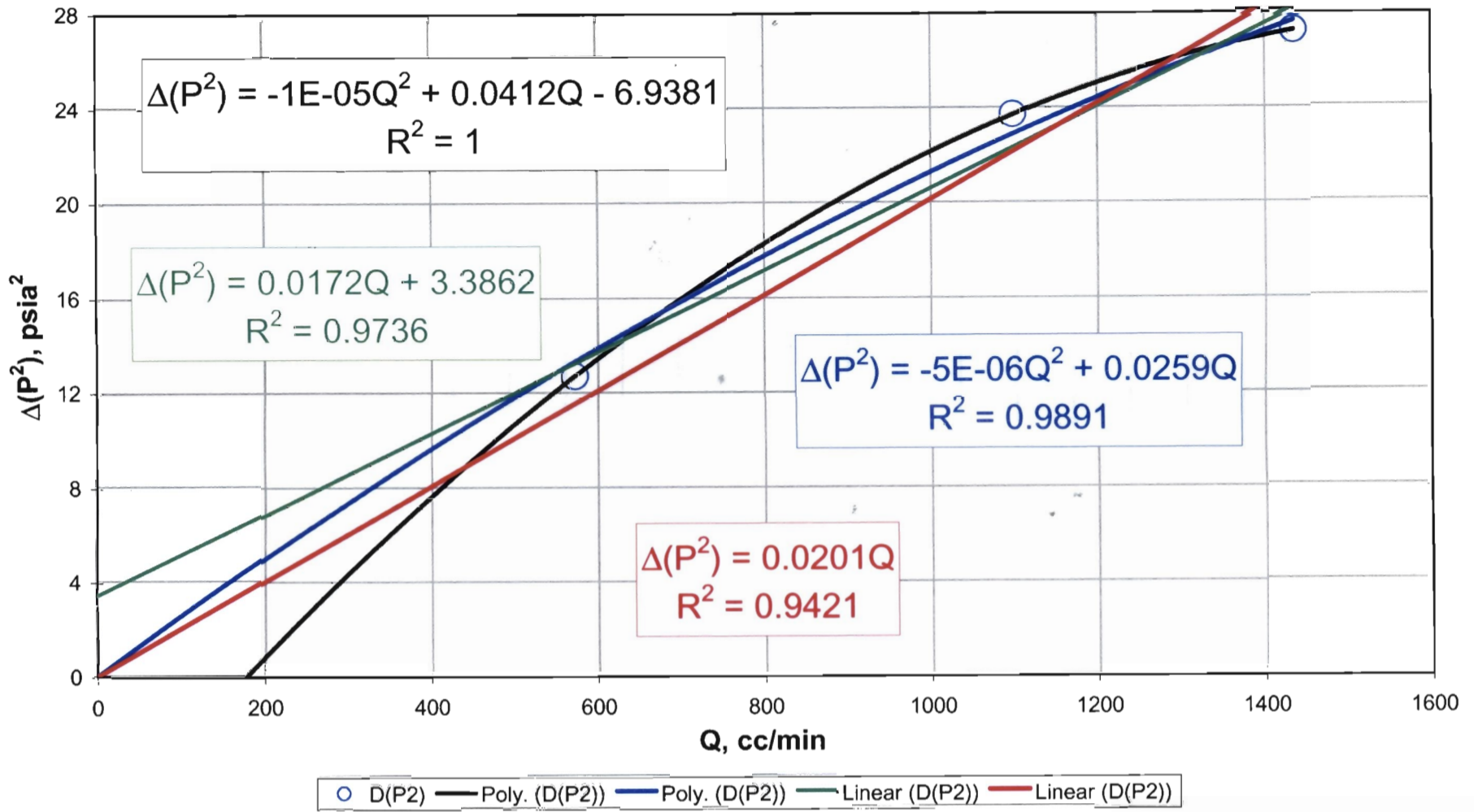
X Transect : Drillhole 84



08/28/02

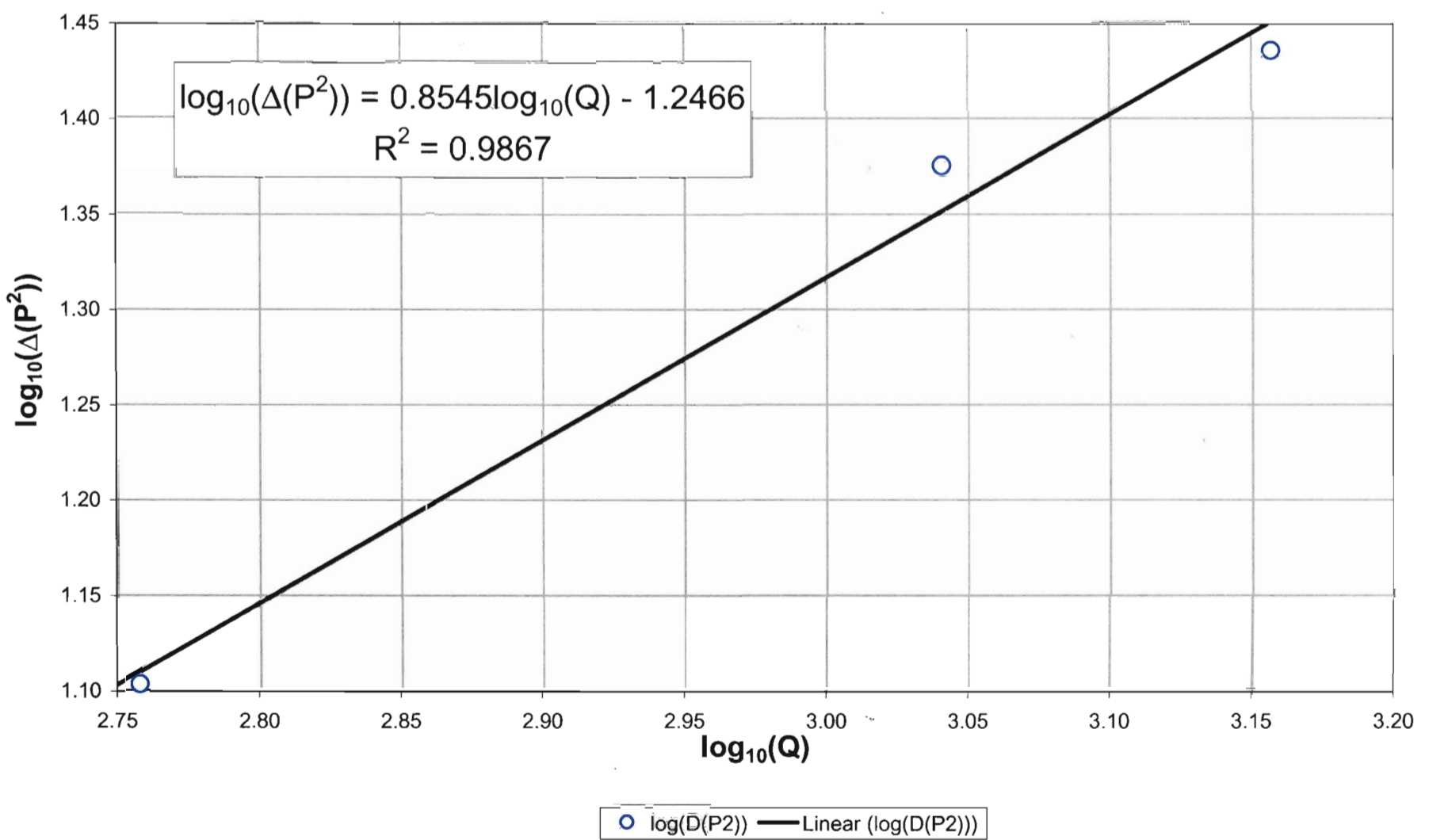
Relationship between steady-state differential pressures squared and flowrate:
 If relationship is linear, with the ordinate intercept nearly zero,
 there is no high velocity flow effect.
 X Transect: Drillhole 85

RNM, 08/28/02

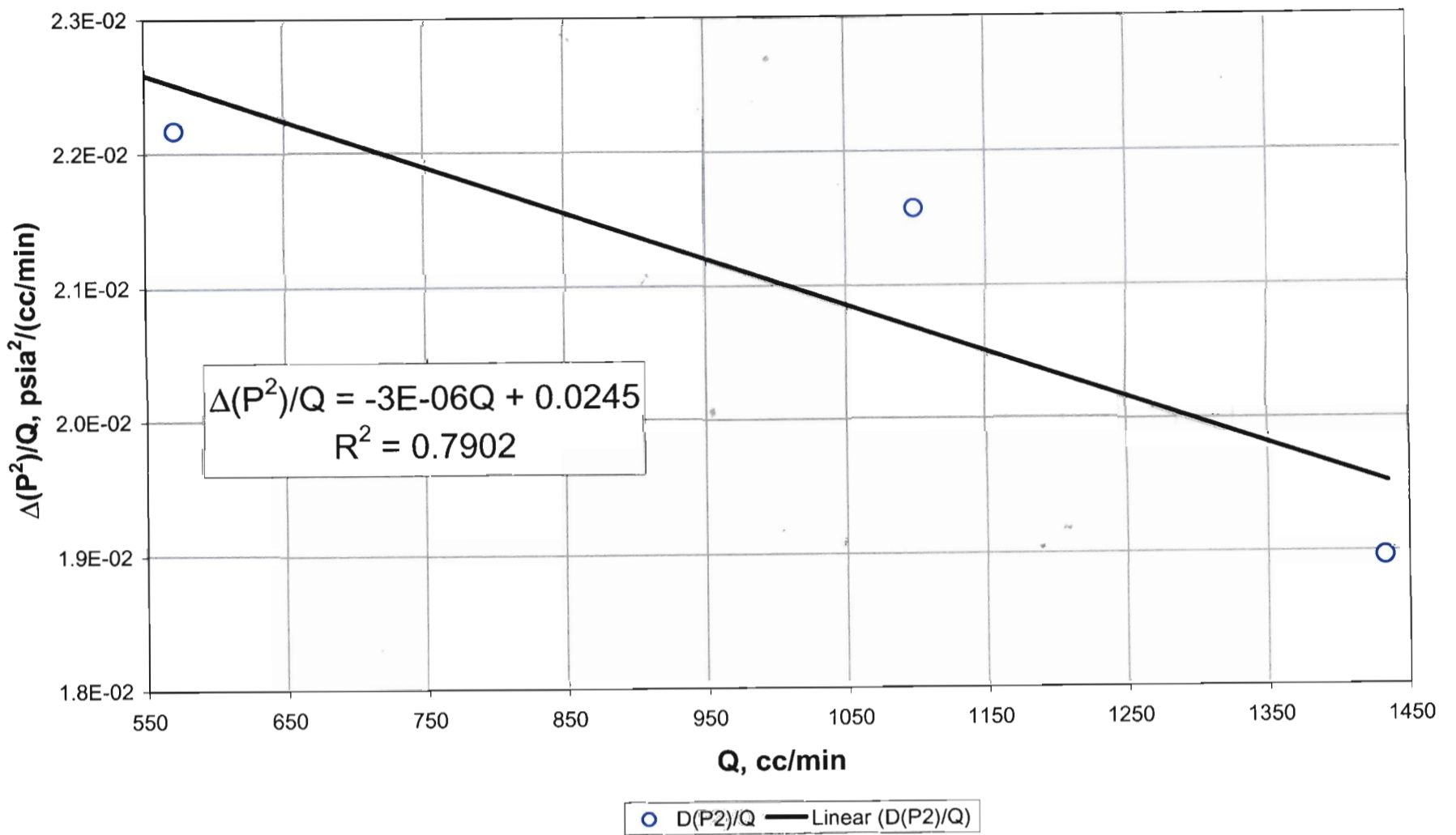


Log-Log plot of differential pressures squared vs. flowrate--used to identify the presence of
 high-velocity flow effects (when the slope is greater than unity)
 X Transect: Drillhole 85

RNM, 08/28/02

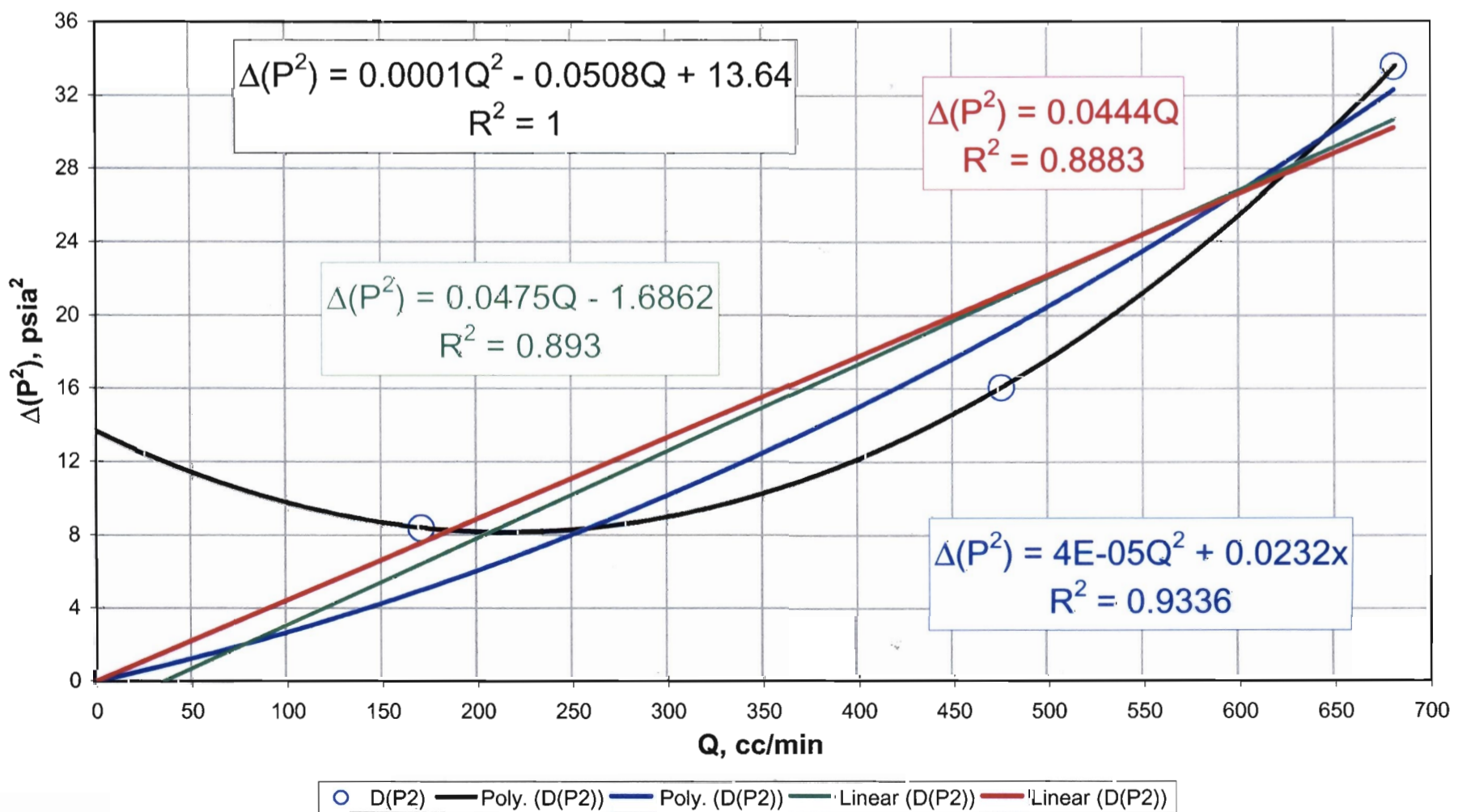


Final check for high velocity flow effects:
 High velocity flow effects are present when the slope is non-zero and positive.
 X Transect : Drillhole 85



RNM, 08/28/08

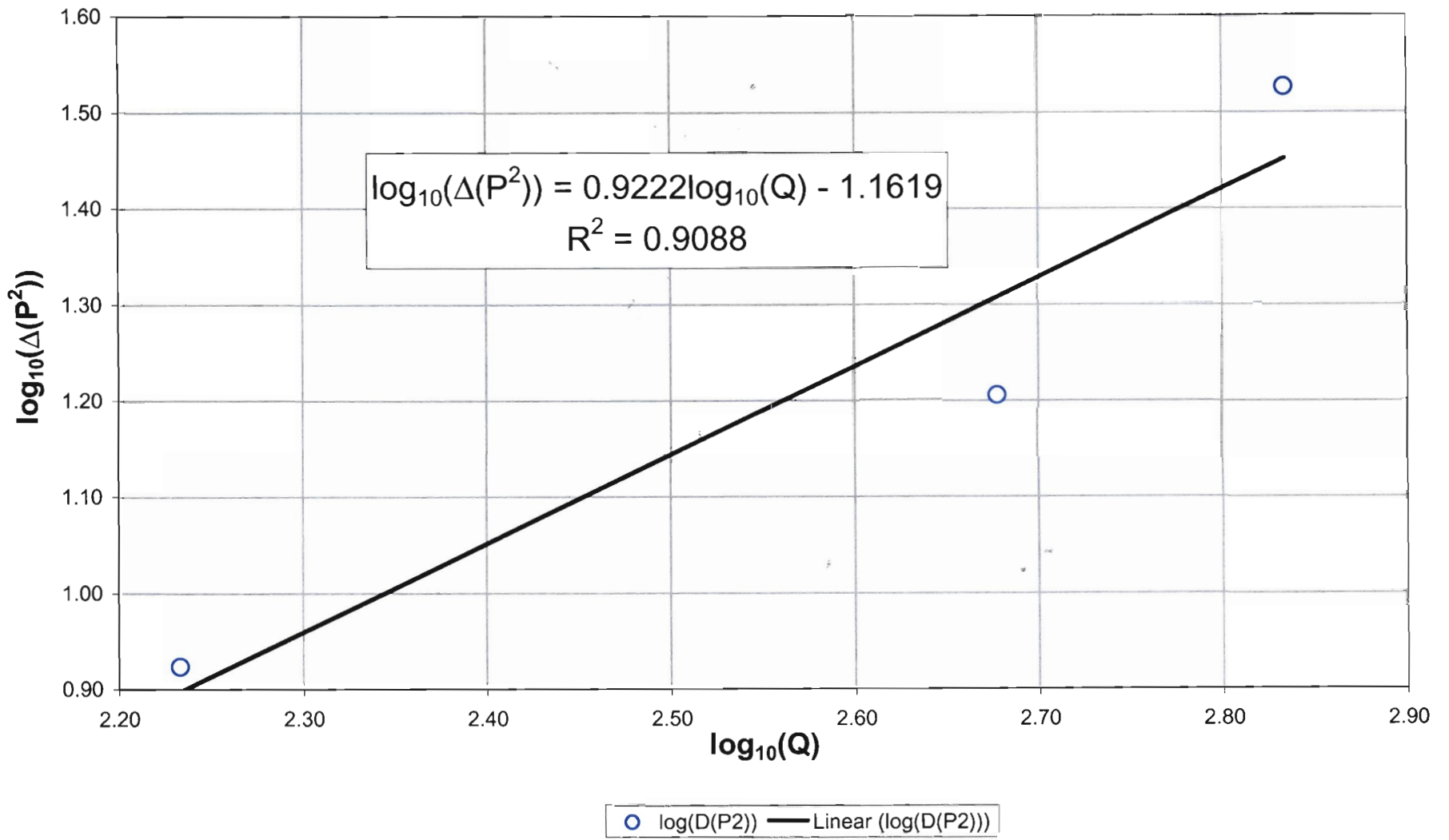
Relationship between steady-state differential pressures squared and flowrate:
 If relationship is linear, with the ordinate intercept nearly zero,
 there is no high velocity flow effect.
 X Transect: Drillhole 86



RNM, 08/28/08

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)

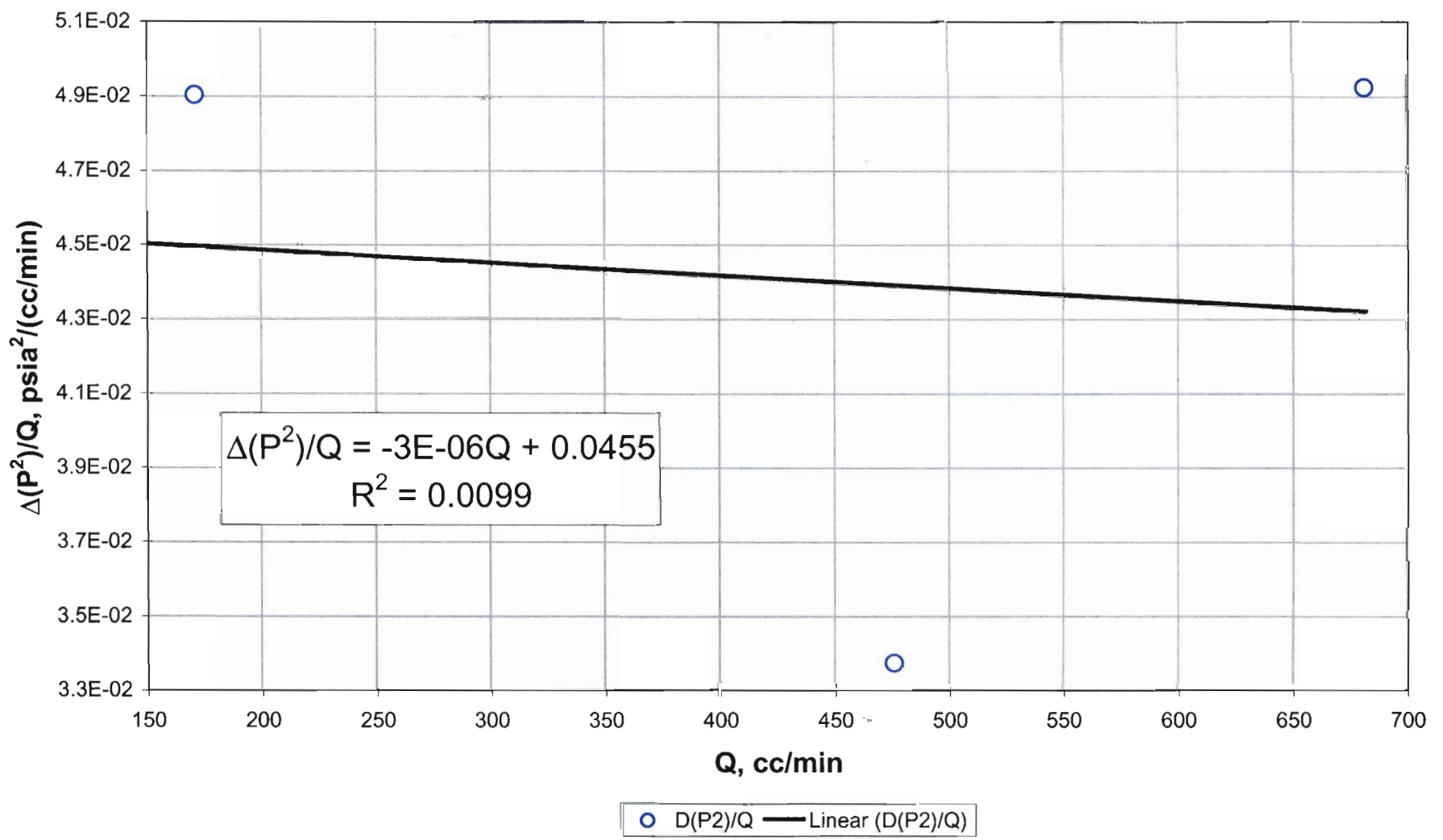
X Transect: Drillhole 86



RNM, 08/28/02

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

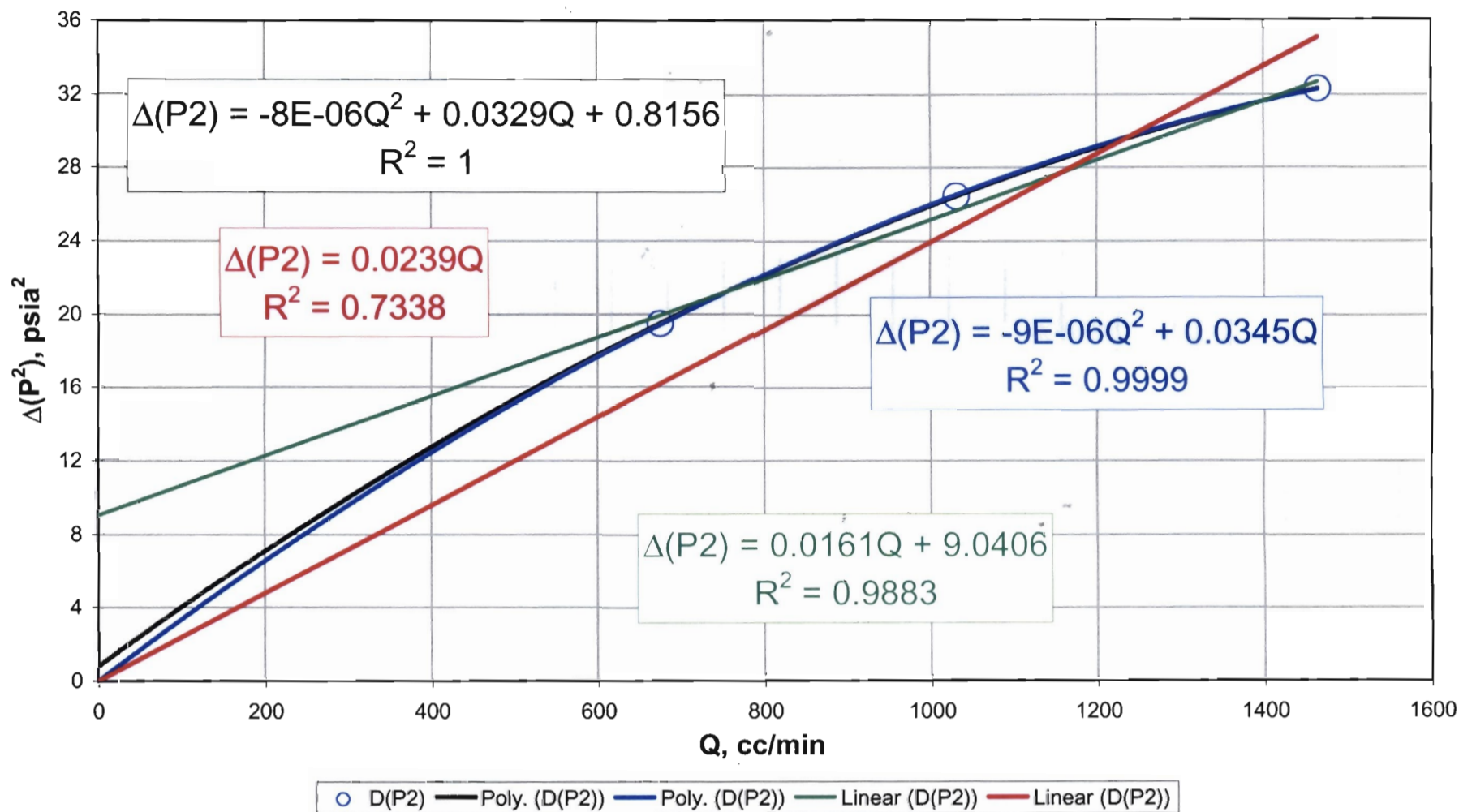
X Transect : Drillhole 86



RNM, 08/28/02

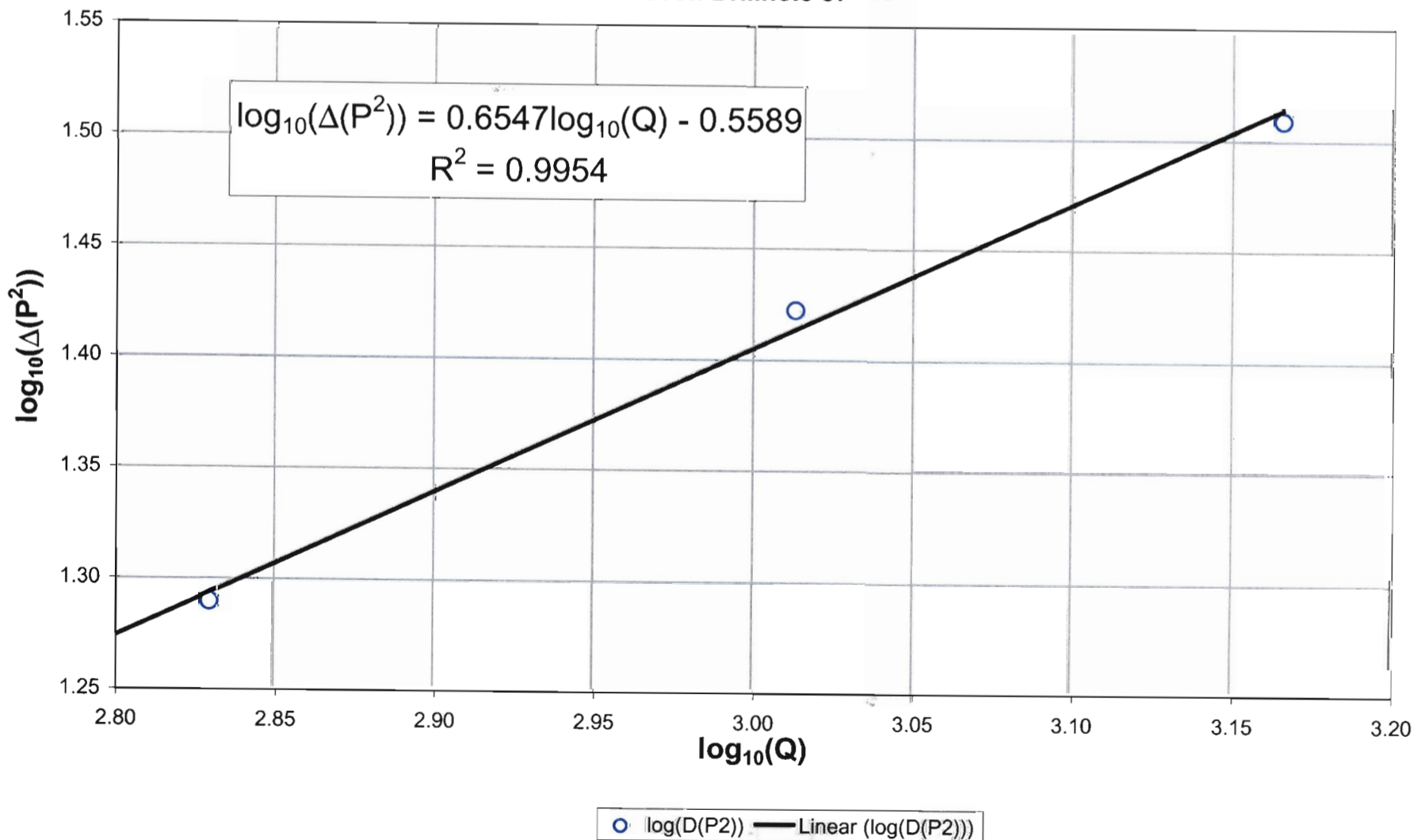
Relationship between steady-state differential pressures squared and flowrate:
 If relationship is linear, with the ordinate intercept nearly zero,
 there is no high velocity flow effect.
 X Transect: Drillhole 87

Rm, 08/28/02



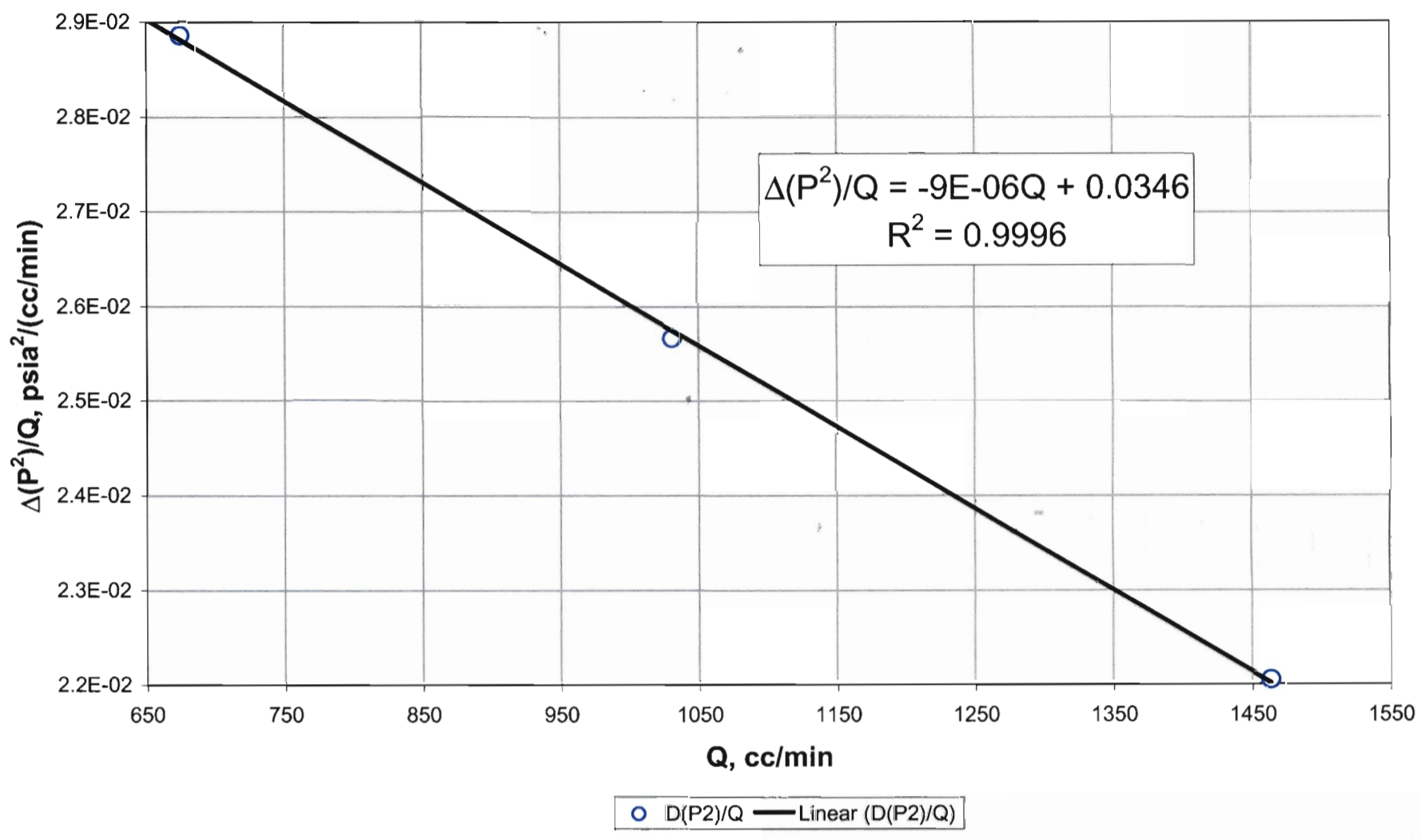
Log-Log plot of differential pressures squared vs. flowrate--used to identify the presence of
 high-velocity flow effects (when the slope is greater than unity)
 X Transect: Drillhole 87

Rm, 08/28/02



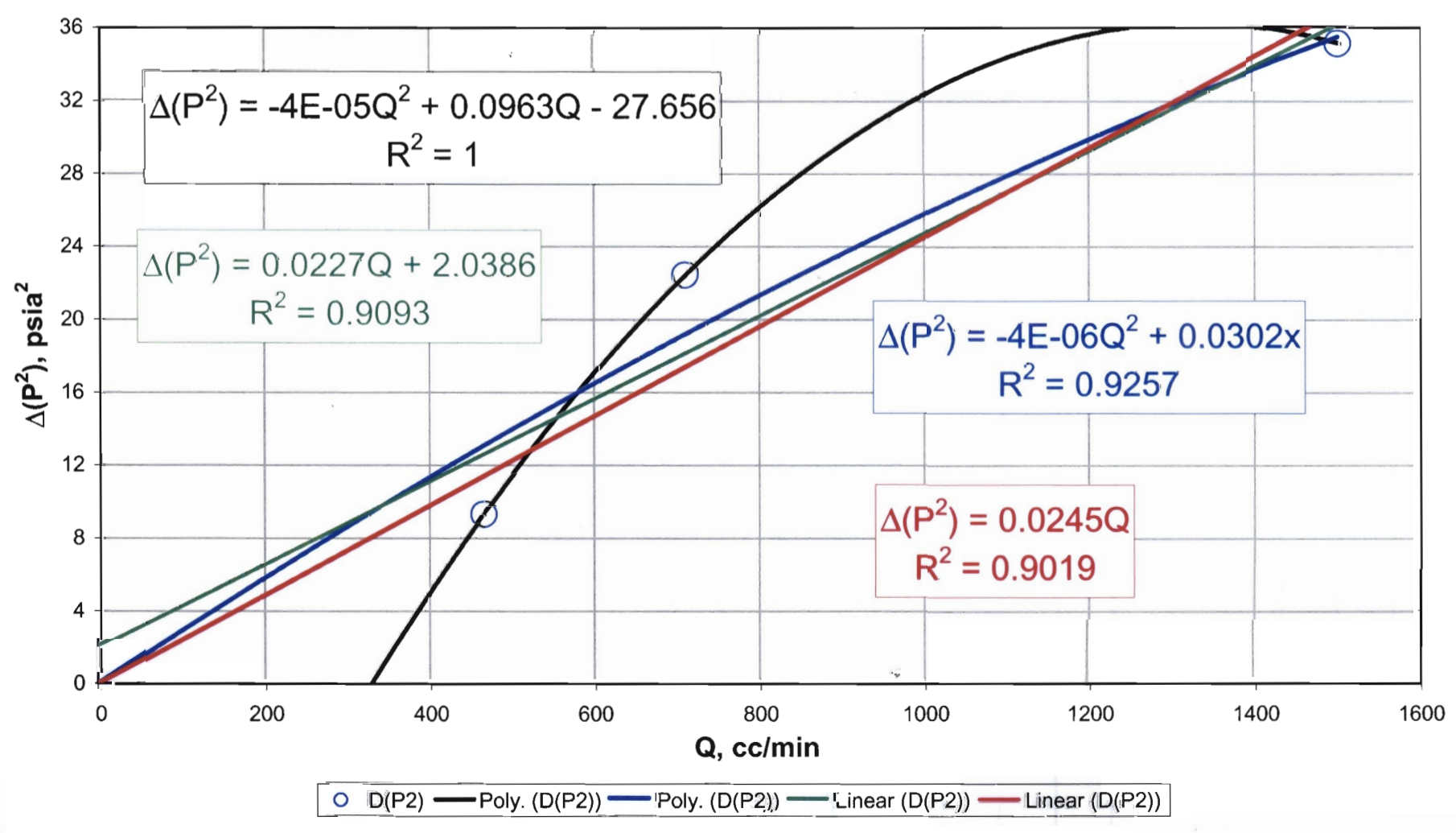
Final check for high velocity flow effects:
 High velocity flow effects are present when the slope is non-zero and positive.
 X Transect : Drillhole 87

RMM, 08/28/02



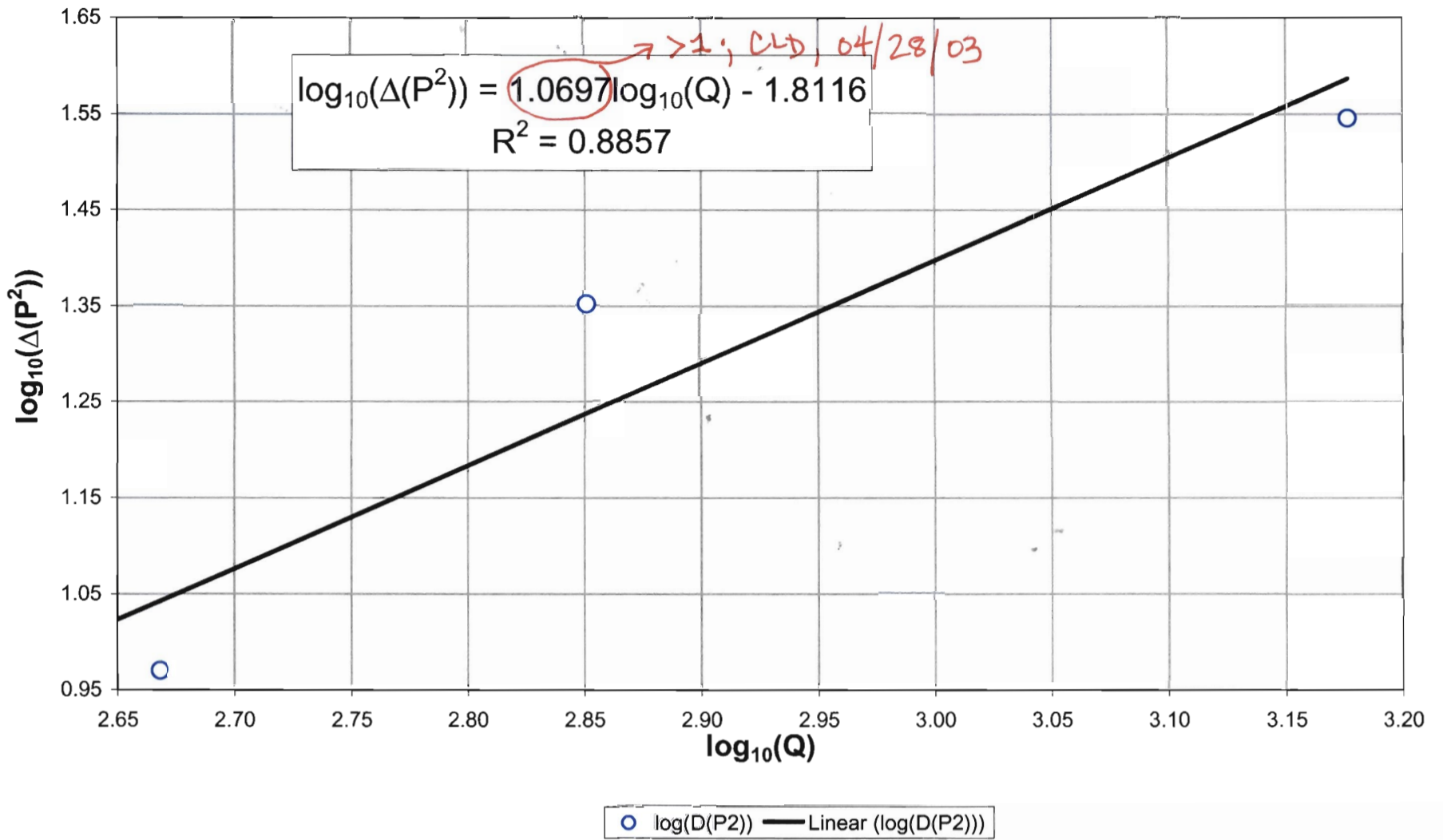
Relationship between steady-state differential pressures squared and flowrate:
 If relationship is linear, with the ordinate intercept nearly zero,
 there is no high velocity flow effect.
 X Transect: Drillhole 88

RMM, 08/28/02



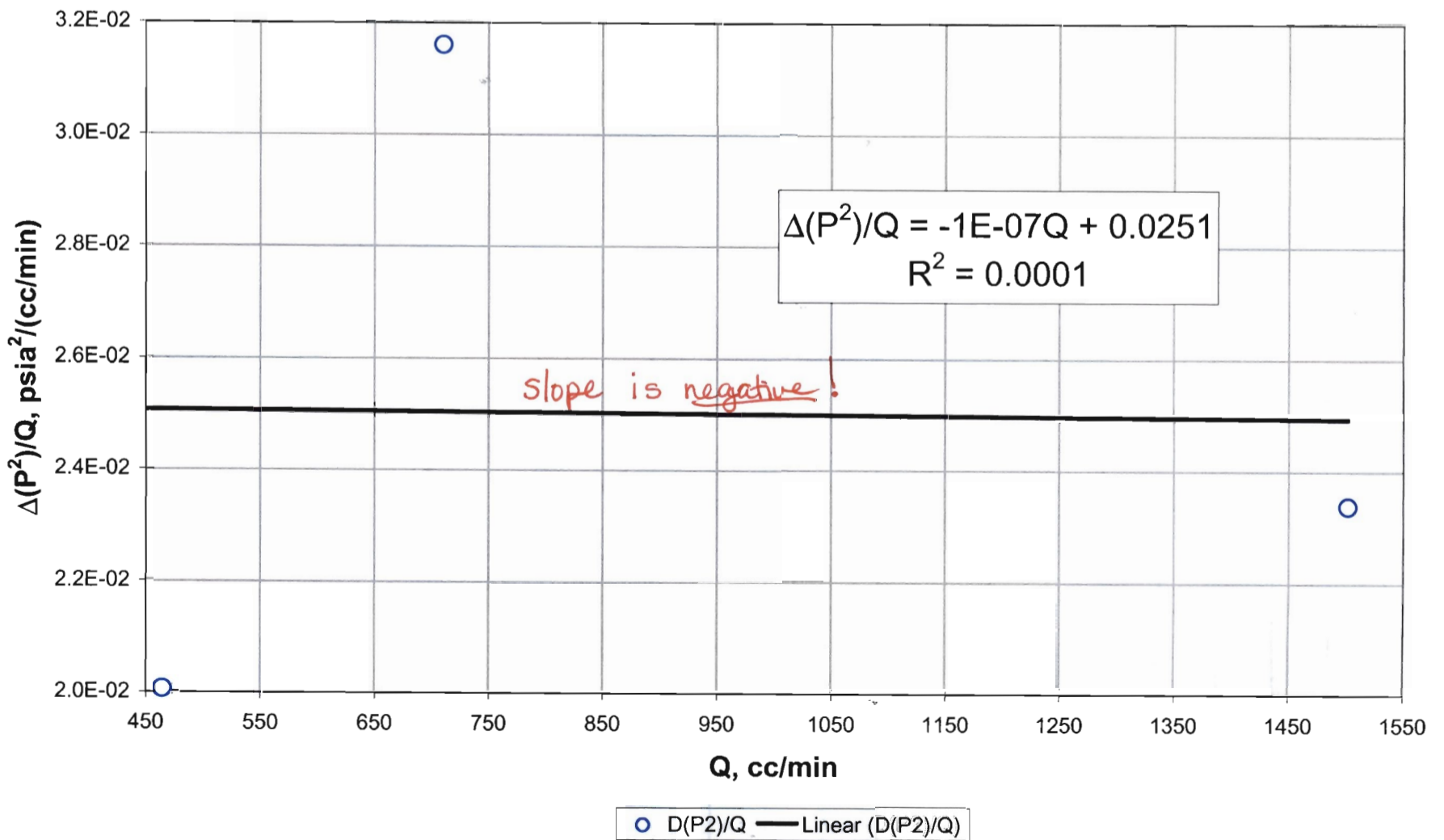
Log-Log plot of differential pressures squared vs. flowrate--used to identify the presence of high-velocity flow effects (when the slope is greater than unity)

X Transect: Drillhole 88

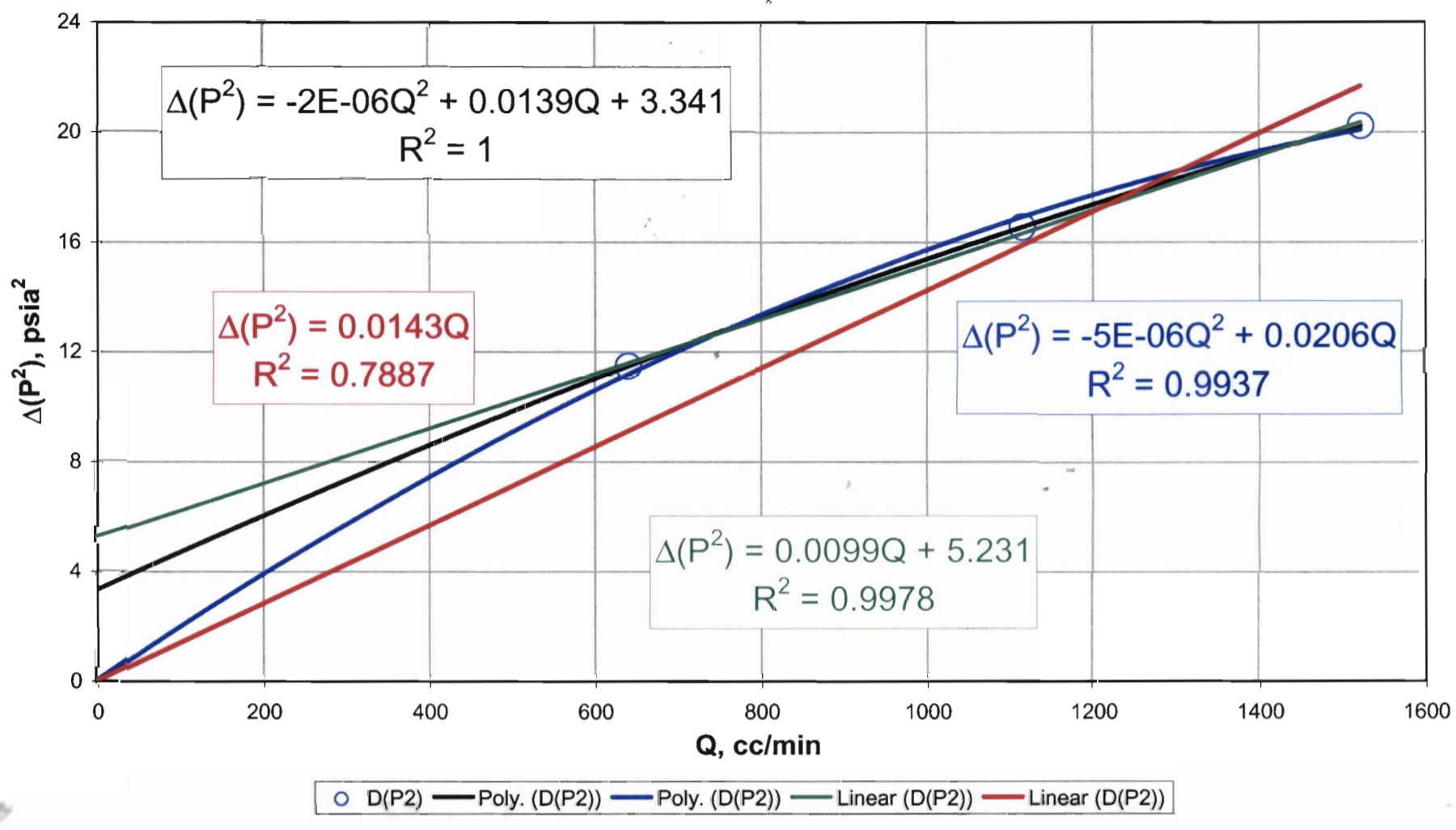


Final check for high velocity flow effects: High velocity flow effects are present when the slope is non-zero and positive.

X Transect : Drillhole 88

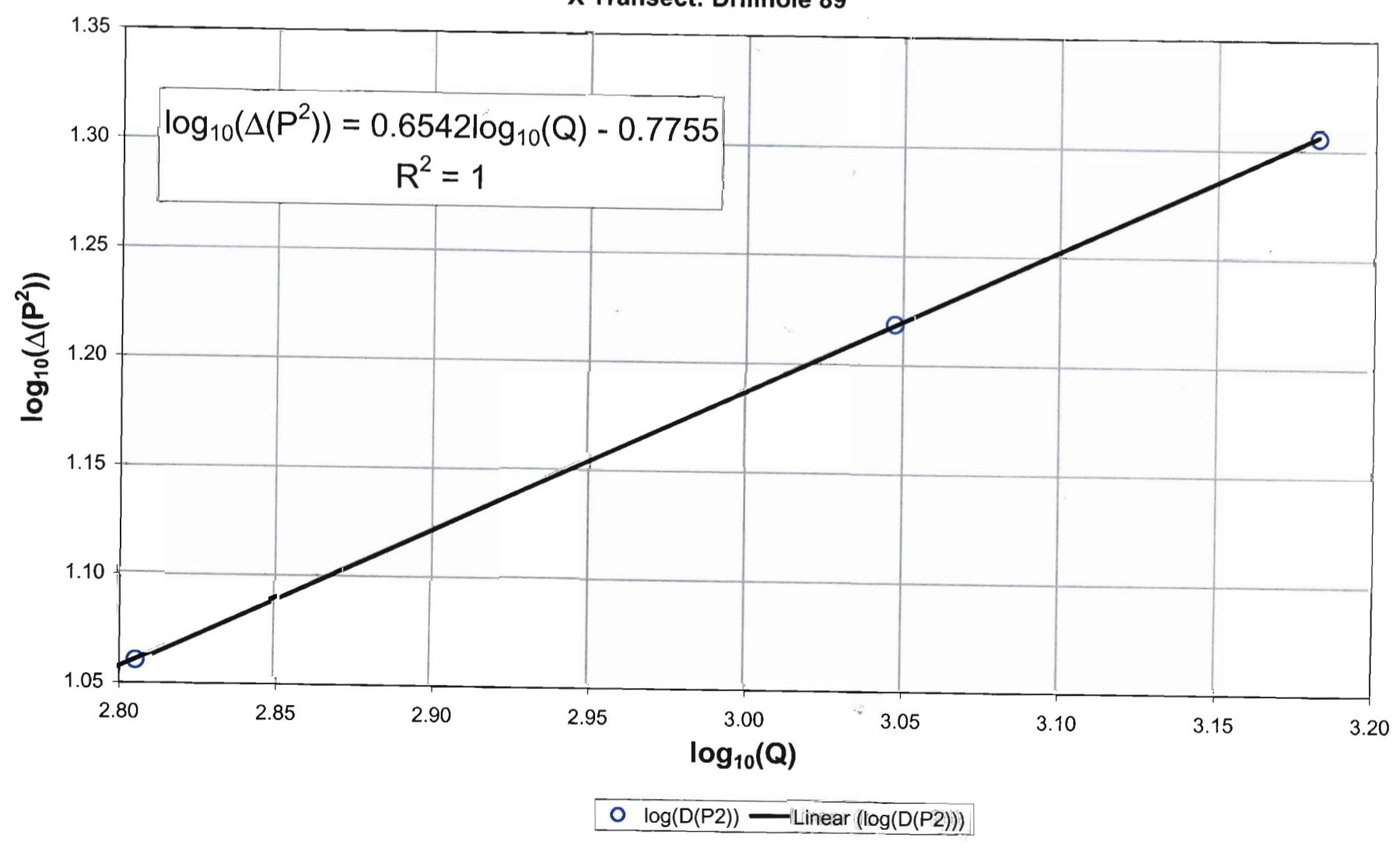


Relationship between steady-state differential pressures squared and flowrate:
 If relationship is linear, with the ordinate intercept nearly zero,
 there is no high velocity flow effect.
 X Transect: Drillhole 89



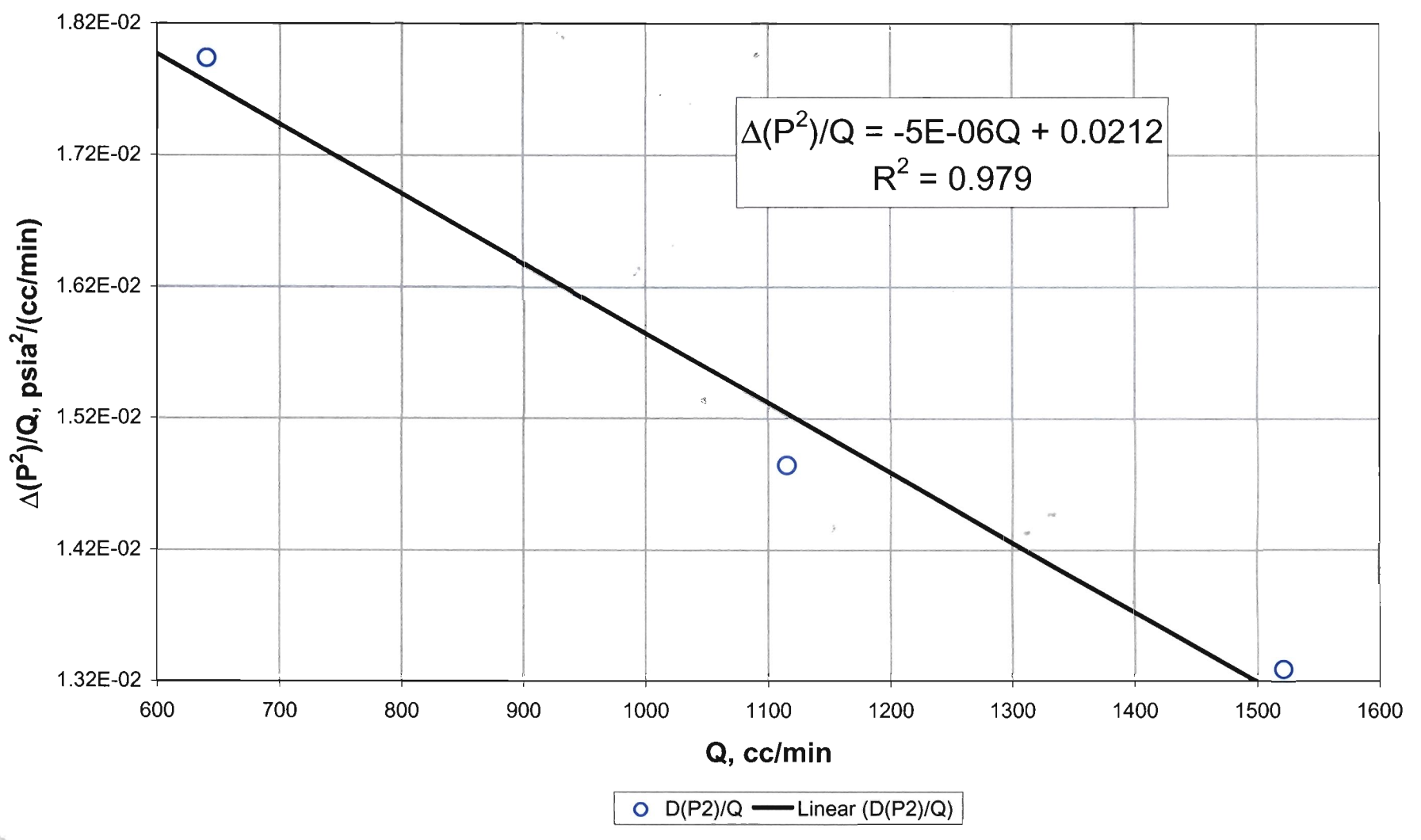
RNM, 08/28/02

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)
 X Transect: Drillhole 89



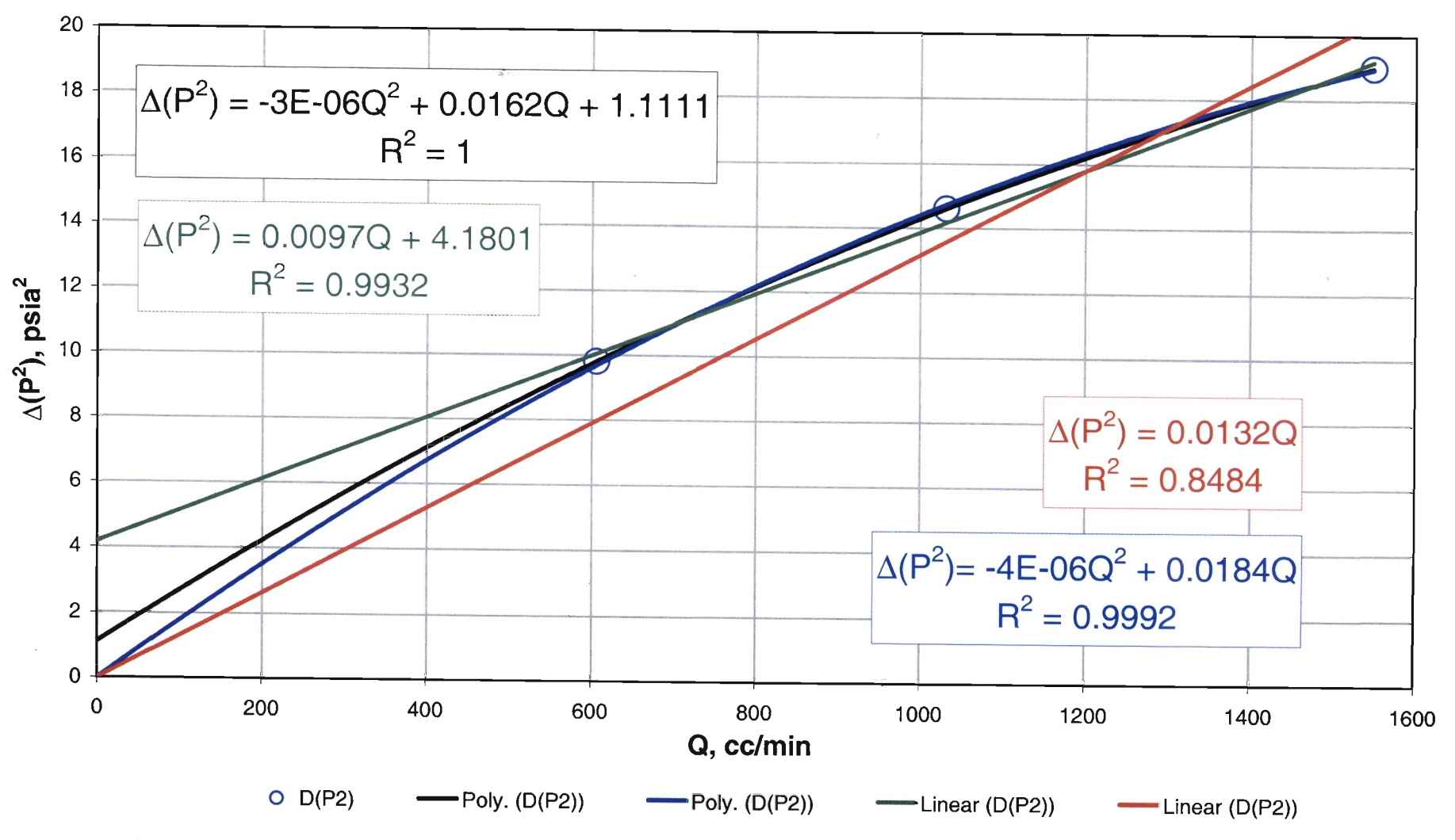
RNM, 08/28/02

Final check for high velocity flow effects:
 High velocity flow effects are present when the slope is non-zero and positive.
 X Transect : Drillhole 89



RNM, 08/28/02

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.
 X Transect: Drillhole 90



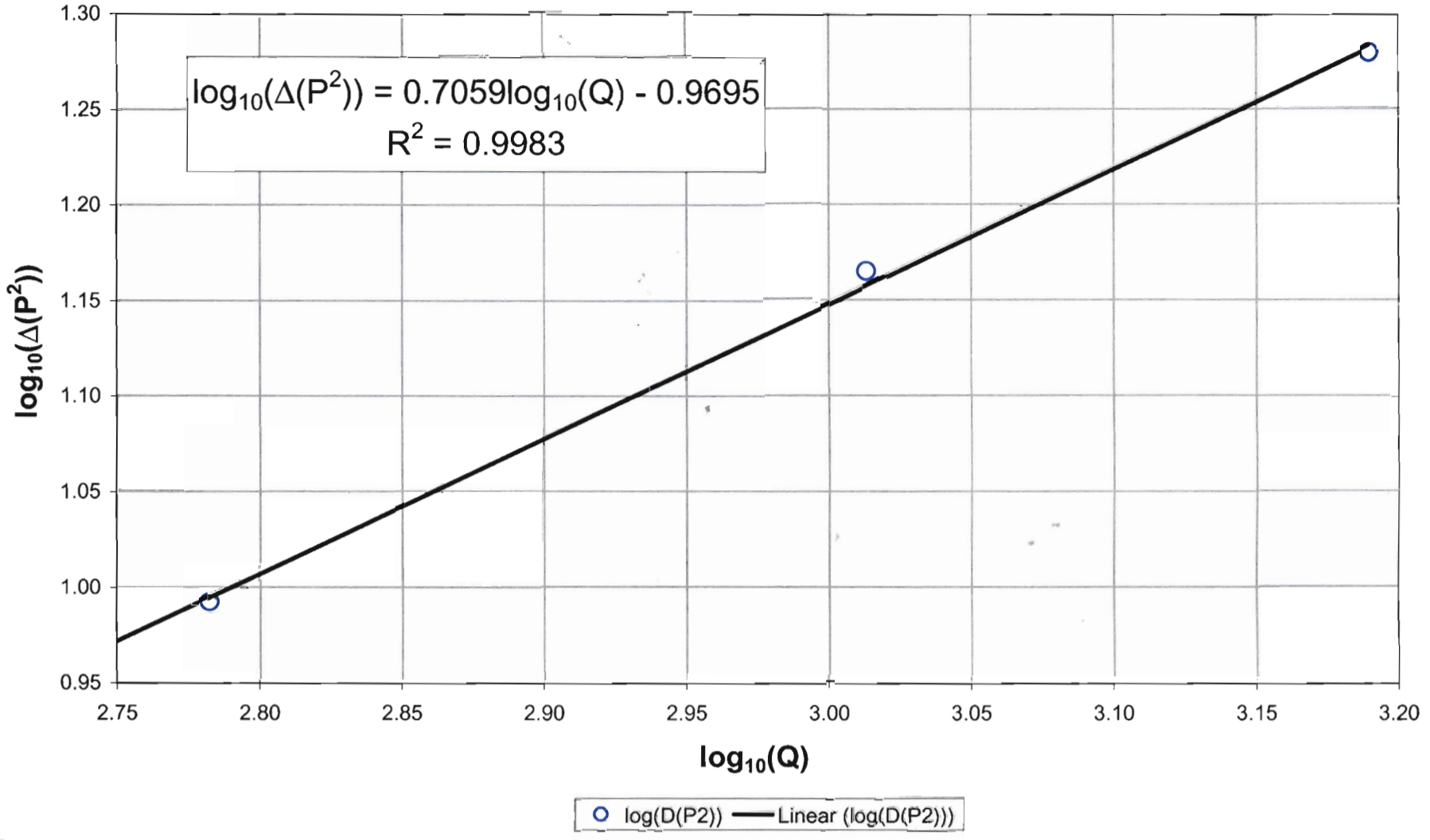
RNM, 08/28/02

This page replaces the underlying, so that third data point is shown. CLD, 05/20/03

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)

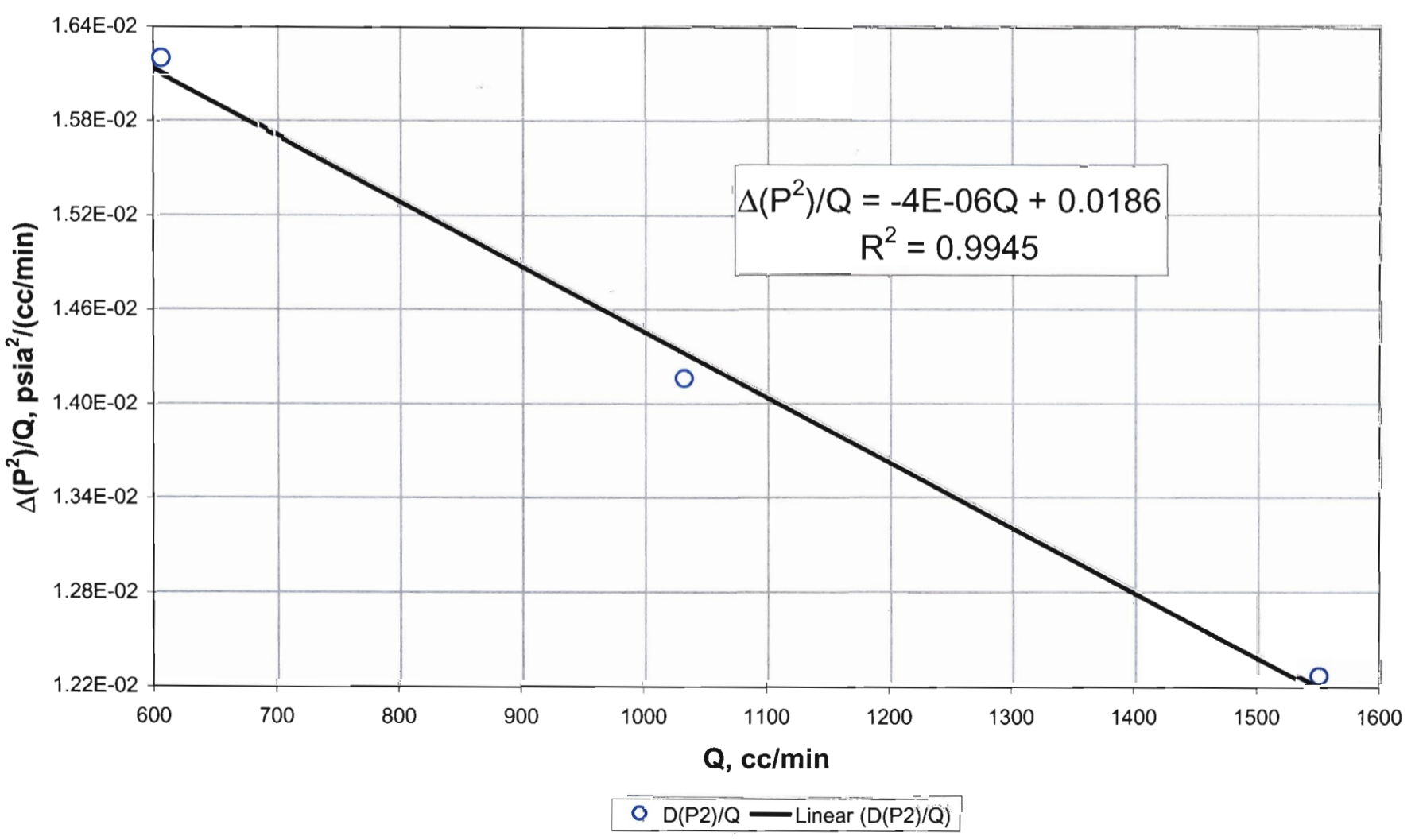
X Transect: Drillhole 90

RNM, 08/28/02



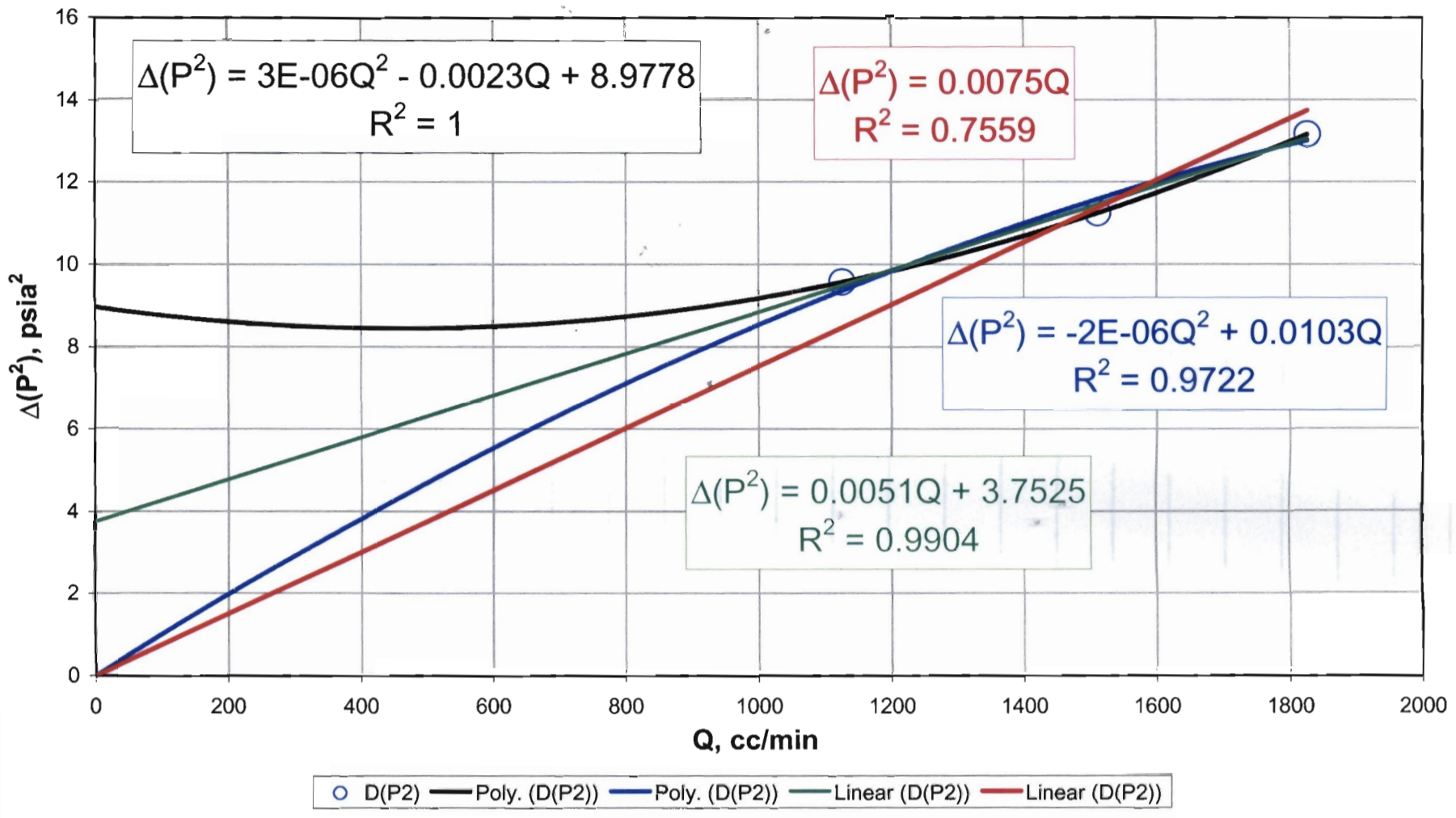
Final check for high velocity flow effects: High velocity flow effects are present when the slope is non-zero and positive. X Transect : Drillhole 90

RNM, 08/28/02



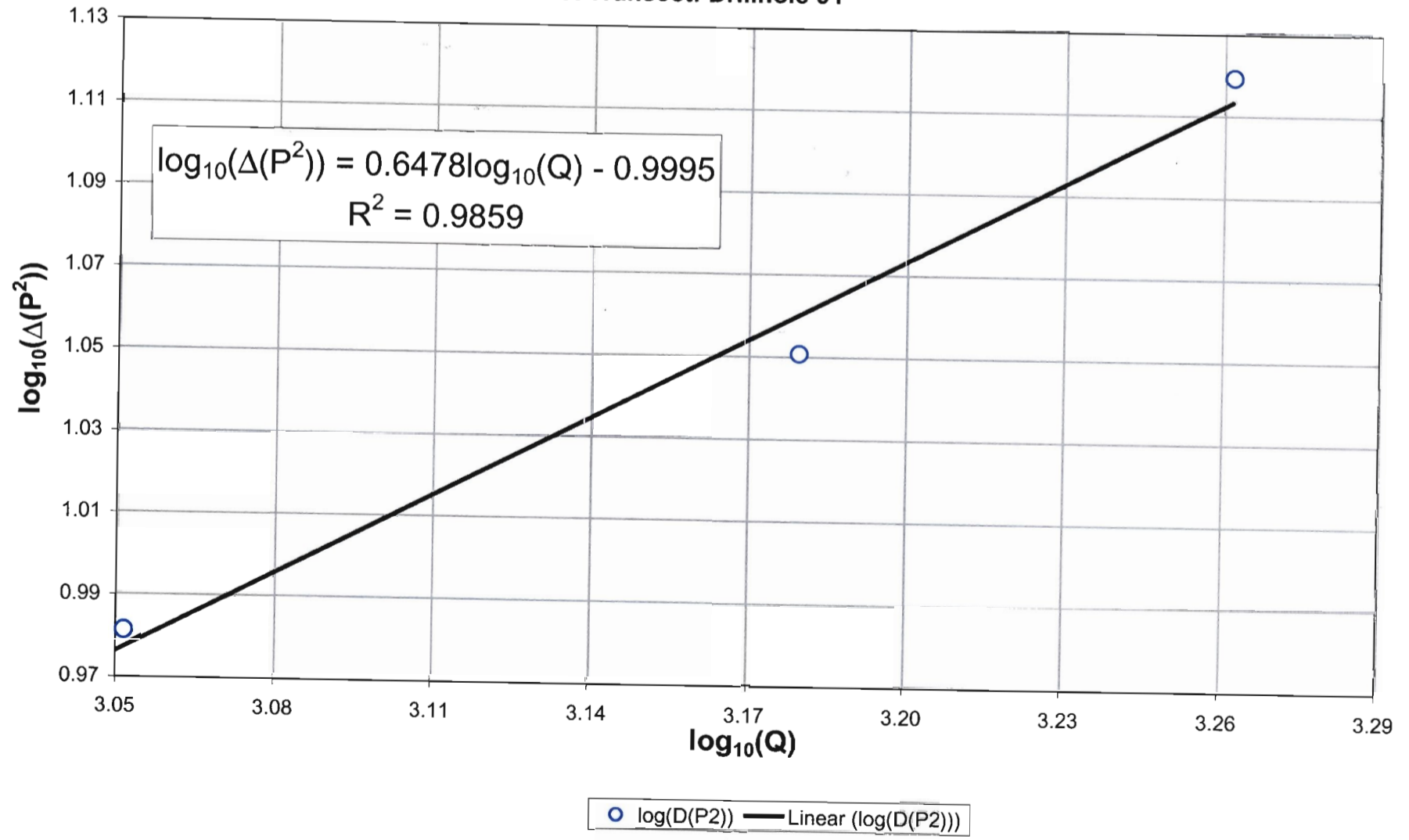
Relationship between steady-state differential pressures squared and flowrate:
 If relationship is linear, with the ordinate intercept nearly zero,
 there is no high velocity flow effect.
 X Transect: Drillhole 91

RNM, 08/28/02

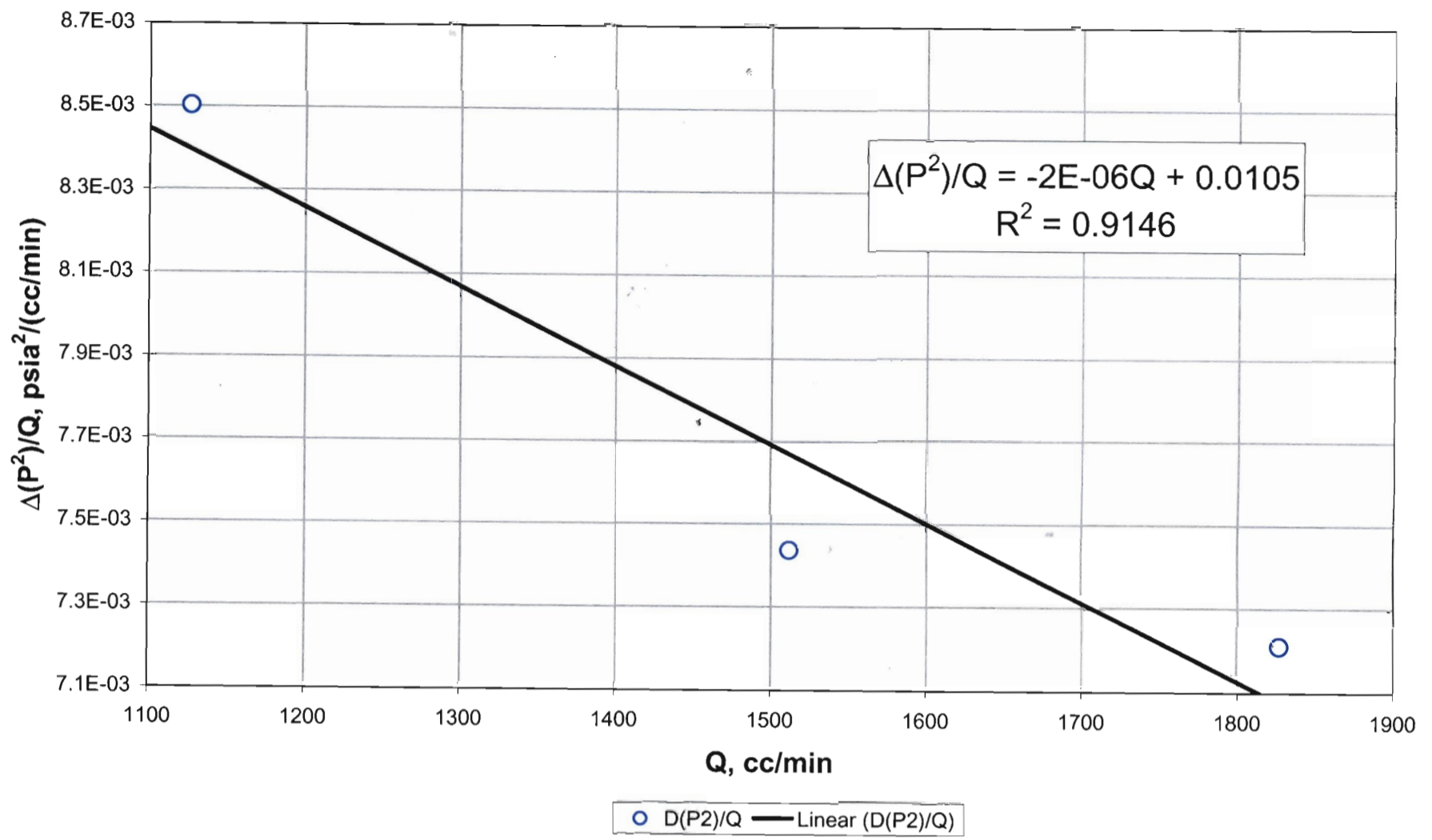


Log-Log plot of differential pressures squared vs. flowrate--used to identify the presence of
 high-velocity flow effects (when the slope is greater than unity)
 X Transect: Drillhole 91

RNM, 08/28/02

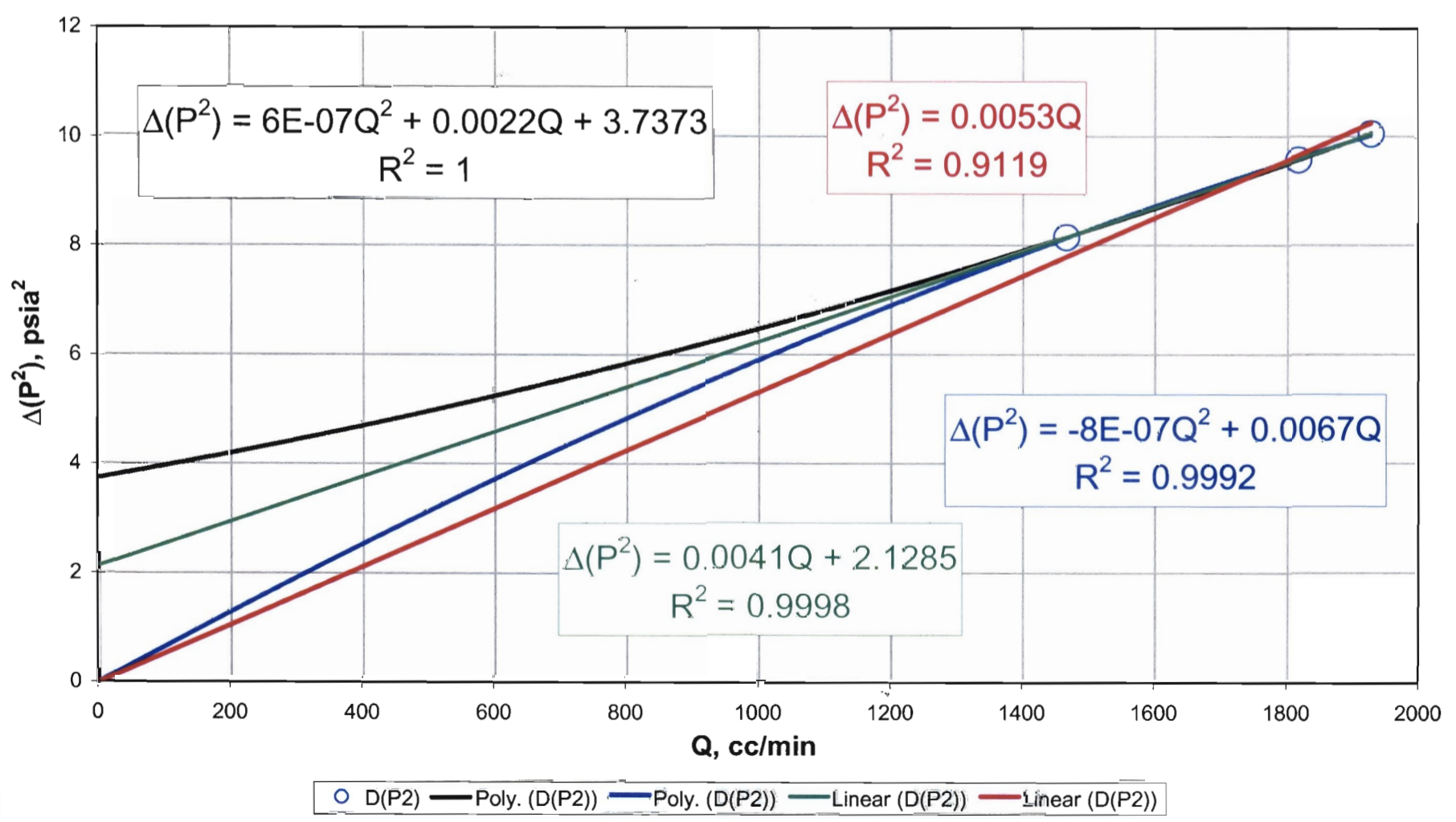


Final check for high velocity flow effects:
 High velocity flow effects are present when the slope is non-zero and positive.
 X Transect : Drillhole 91



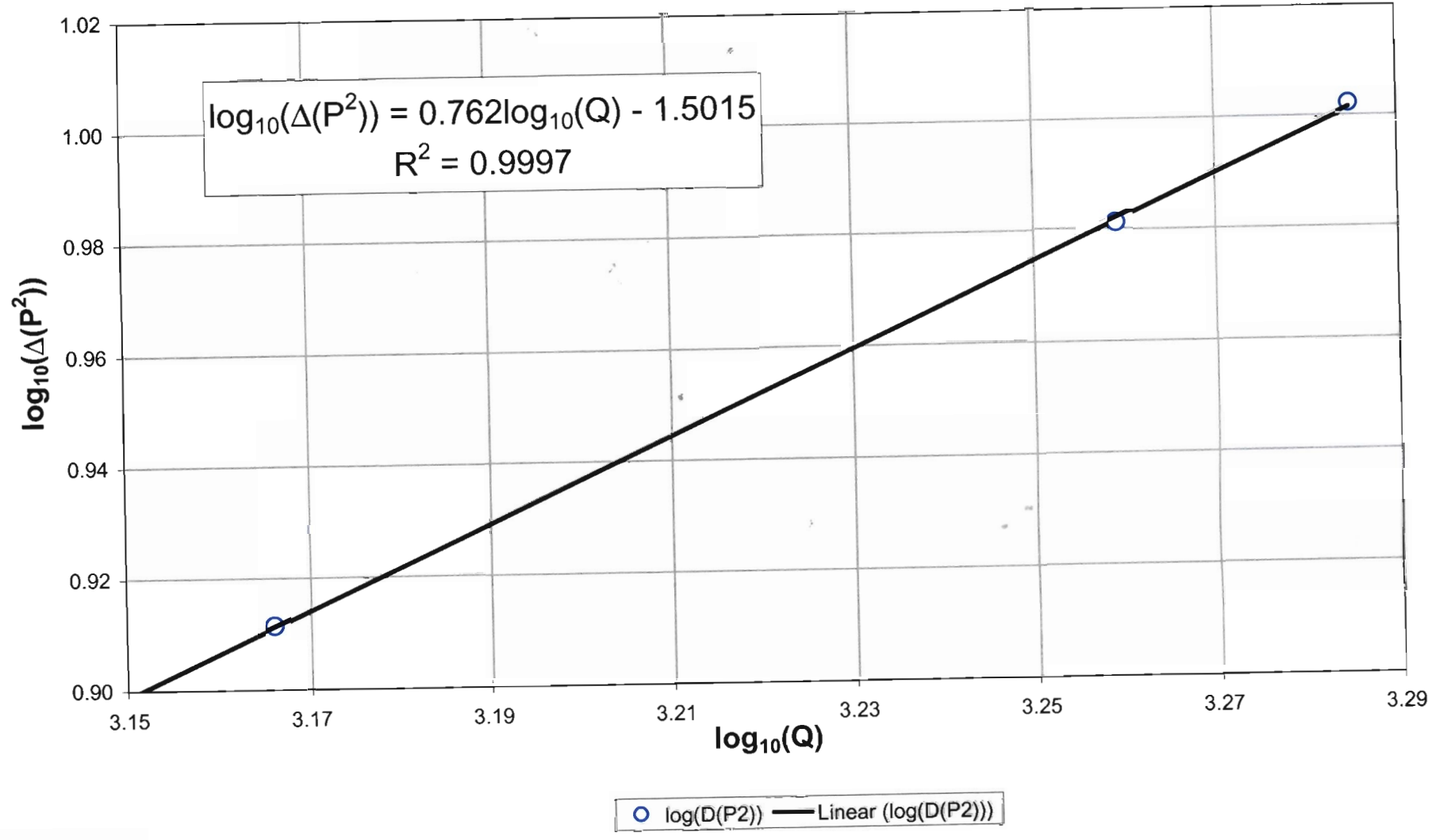
RNM, 08/28/02

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.
 X Transect: Drillhole 92



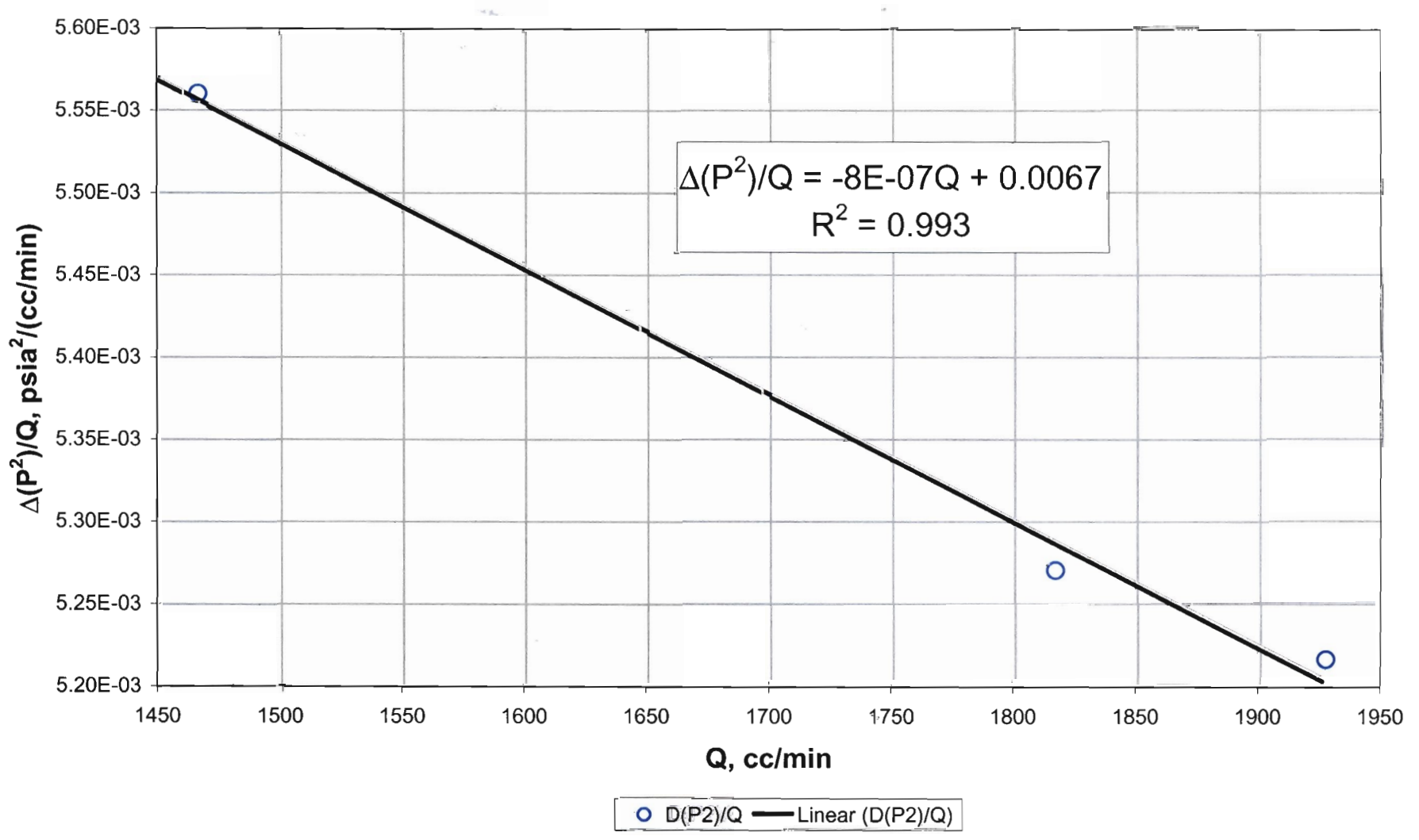
RNM, 08/28/02

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)
 X Transect: Drillhole 92



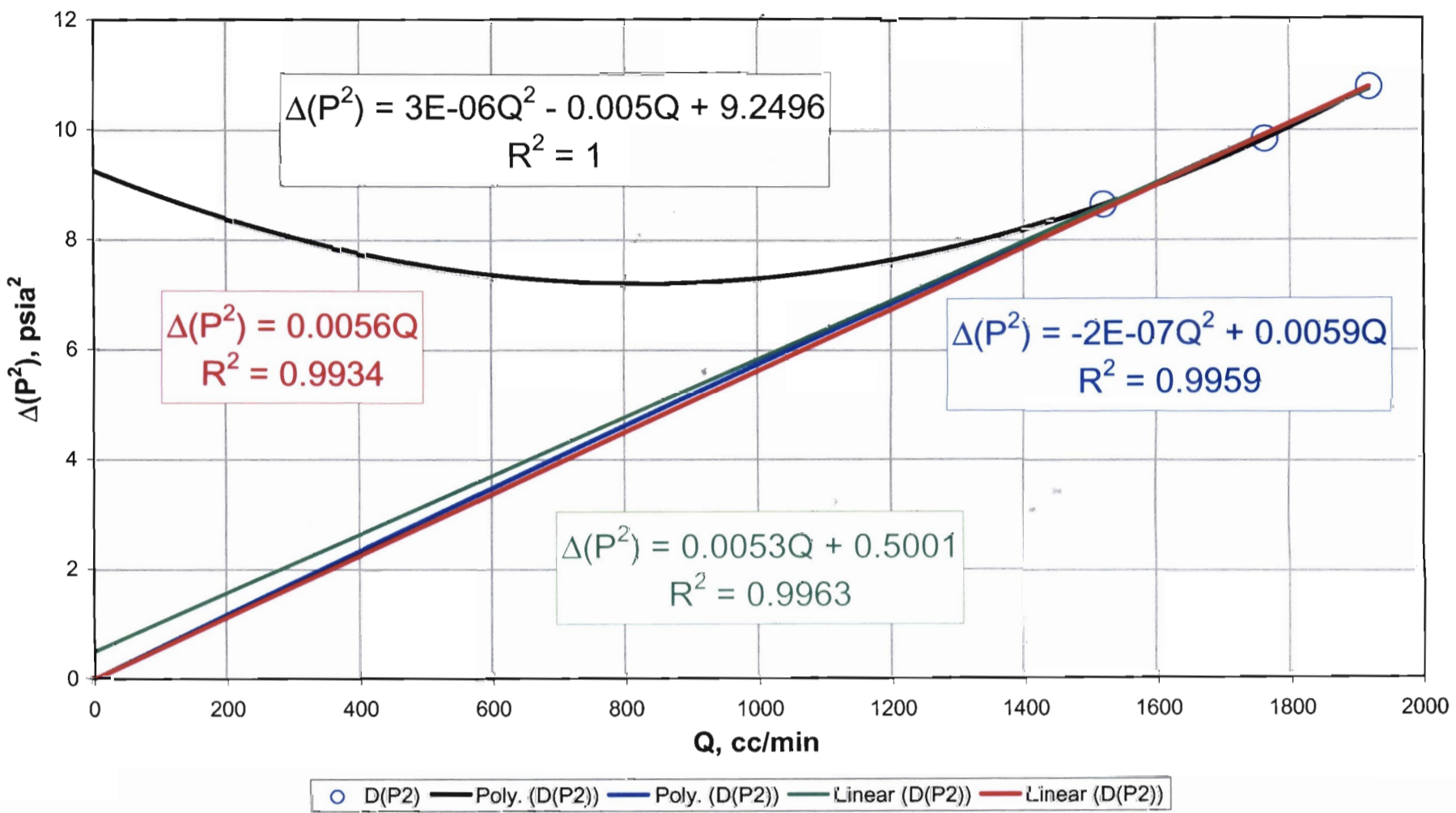
RNM, 08/28/02

Final check for high velocity flow effects:
 High velocity flow effects are present when the slope is non-zero and positive.
 X Transect : Drillhole 92



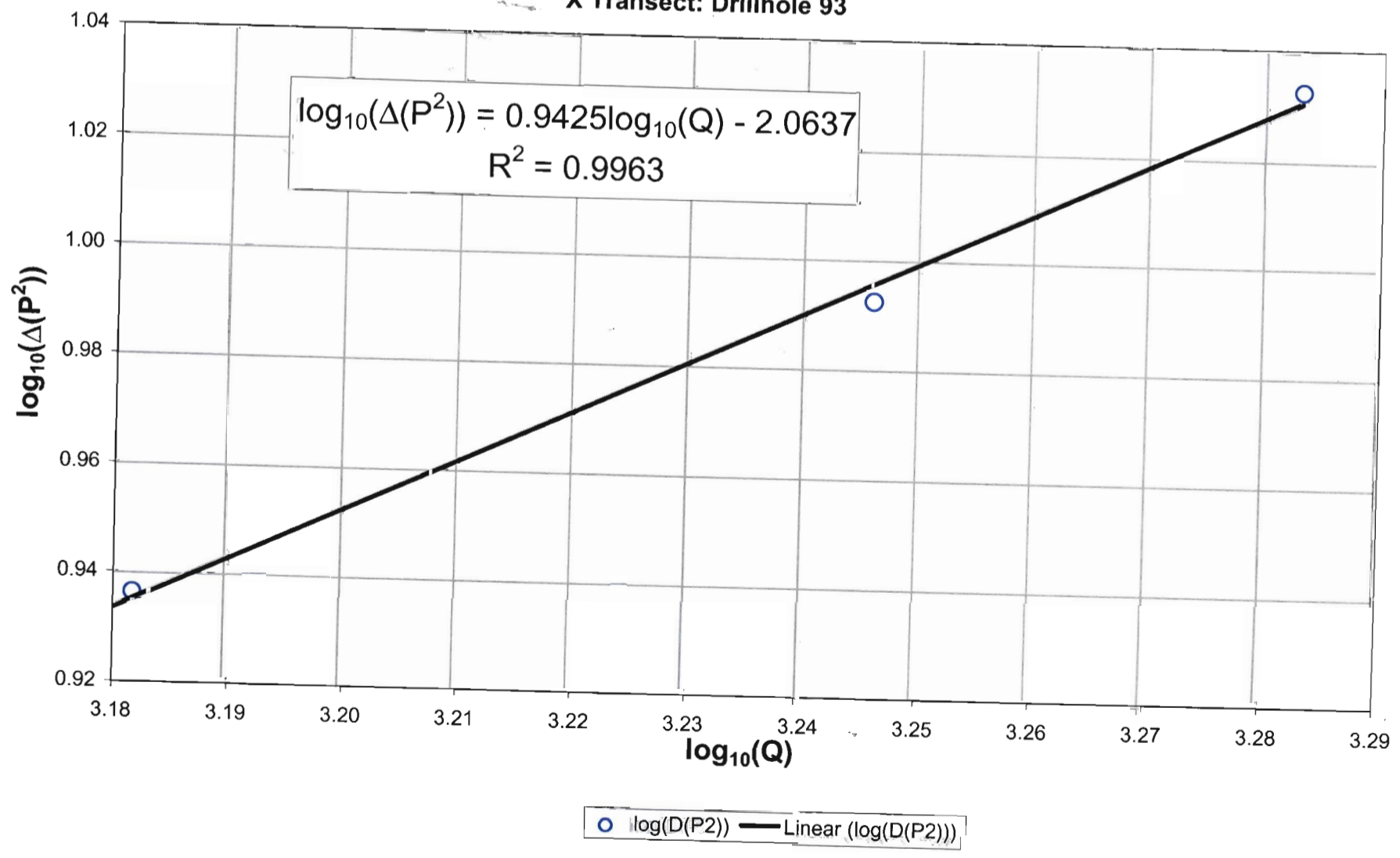
RNM, 08/28/02

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.
 X Transect: Drillhole 93



RNM, 08/28/02

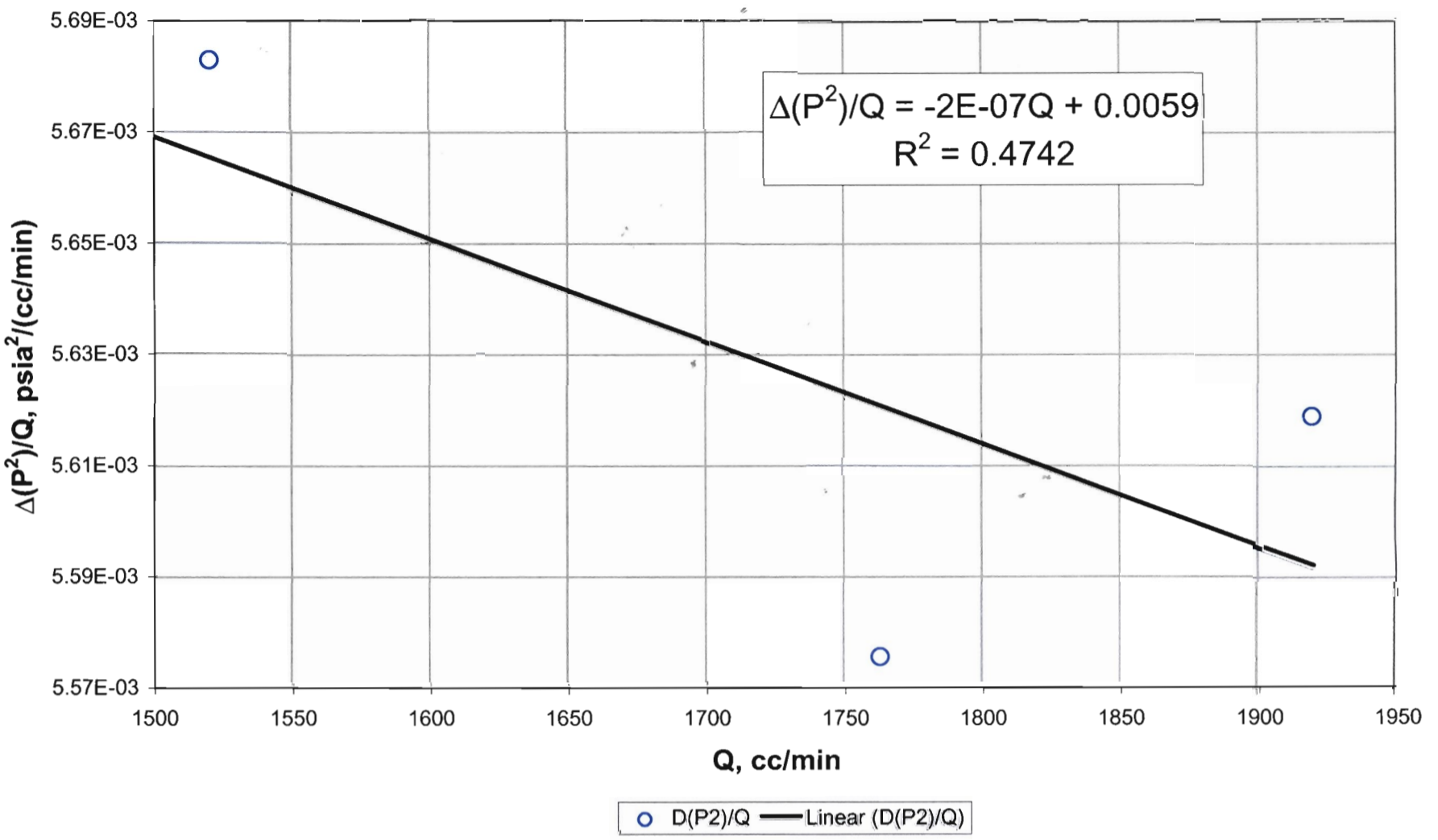
Log-Log plot of differential pressures squared vs. flowrate--used to identify the presence of
 high-velocity flow effects (when the slope is greater than unity)
 X Transect: Drillhole 93



RNM, 08/28/02

Final check for high velocity flow effects:
 High velocity flow effects are present when the slope is non-zero and positive.
 X Transect : Drillhole 93

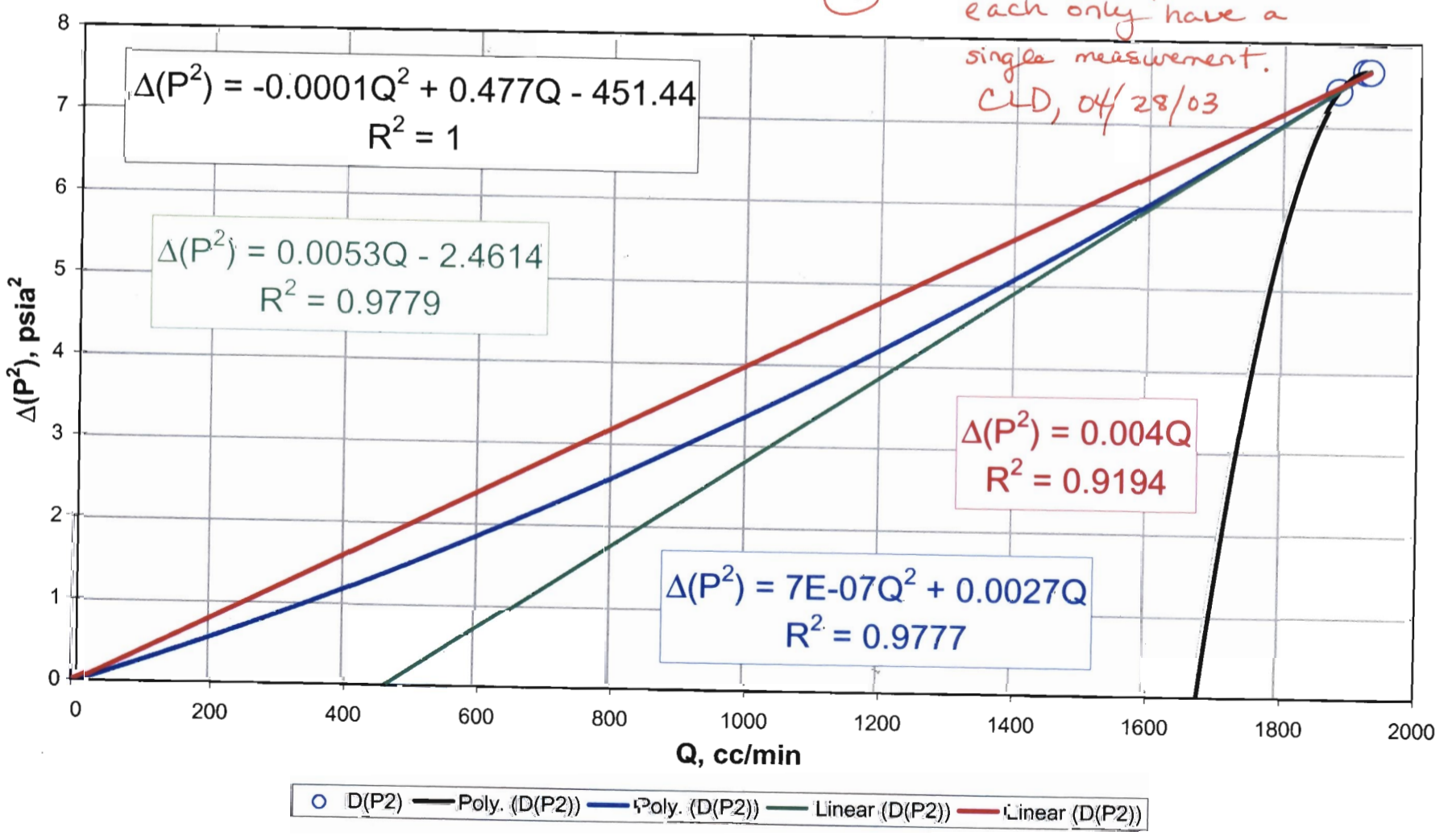
RUM, 08/28/02



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.
 X Transect: Drillhole 98

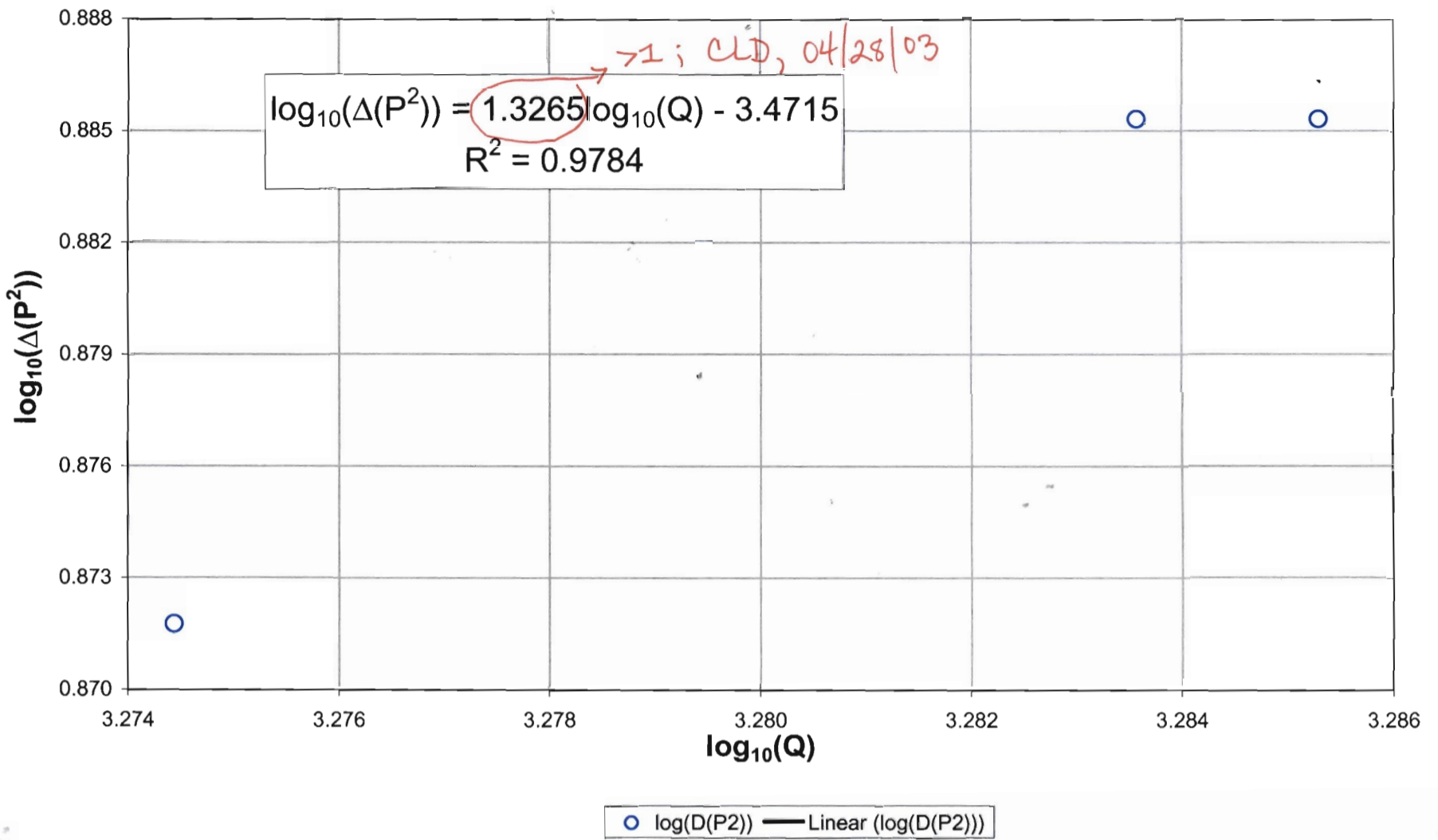
Drillholes 94, 95, 96 + 97
 each only have a
 single measurement.
 CLD, 04/28/03

RUM, 08/28/02

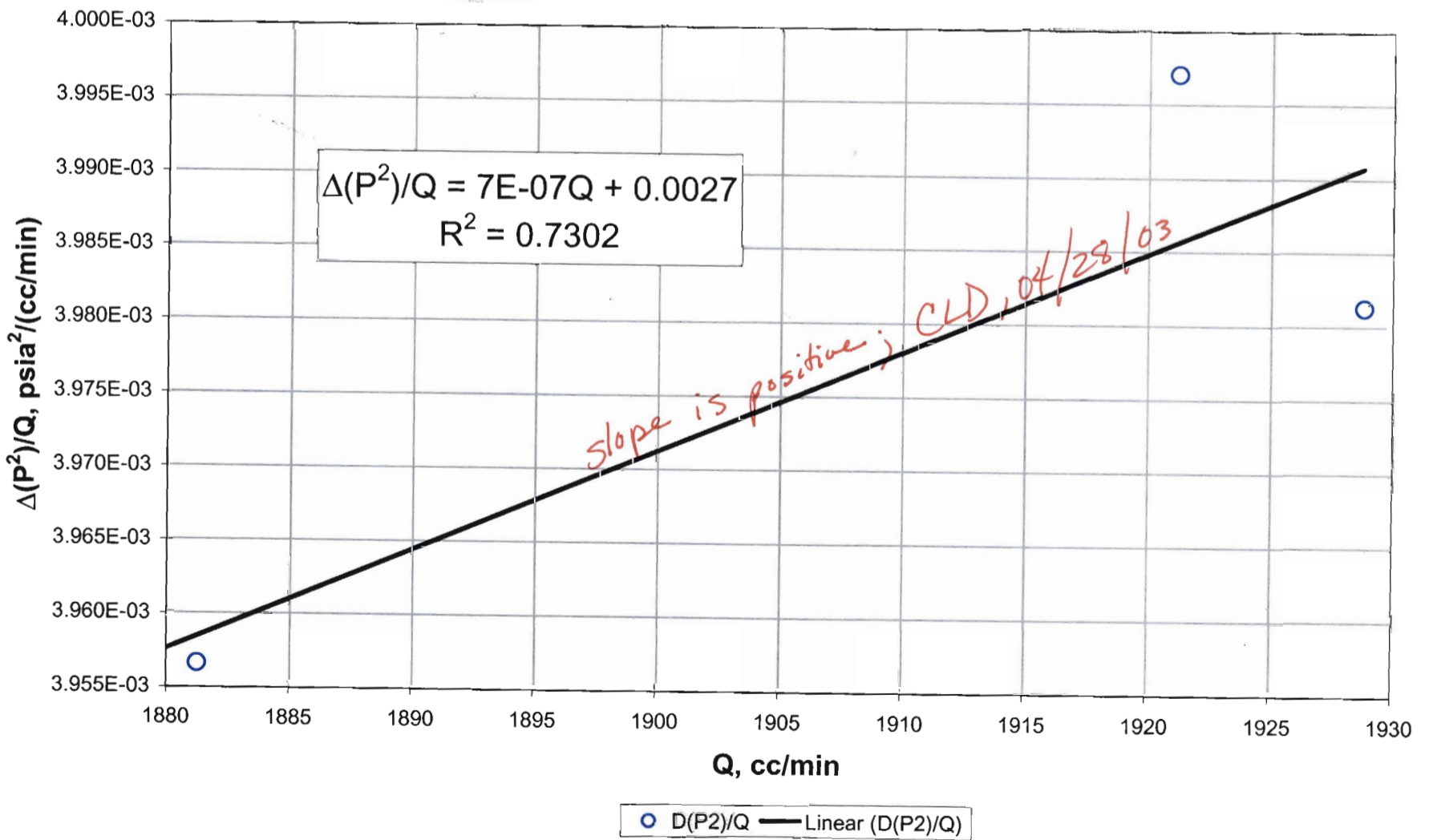


Log-Log plot of differential pressures squared vs. flowrate--used to identify the presence of high-velocity flow effects (when the slope is greater than unity)

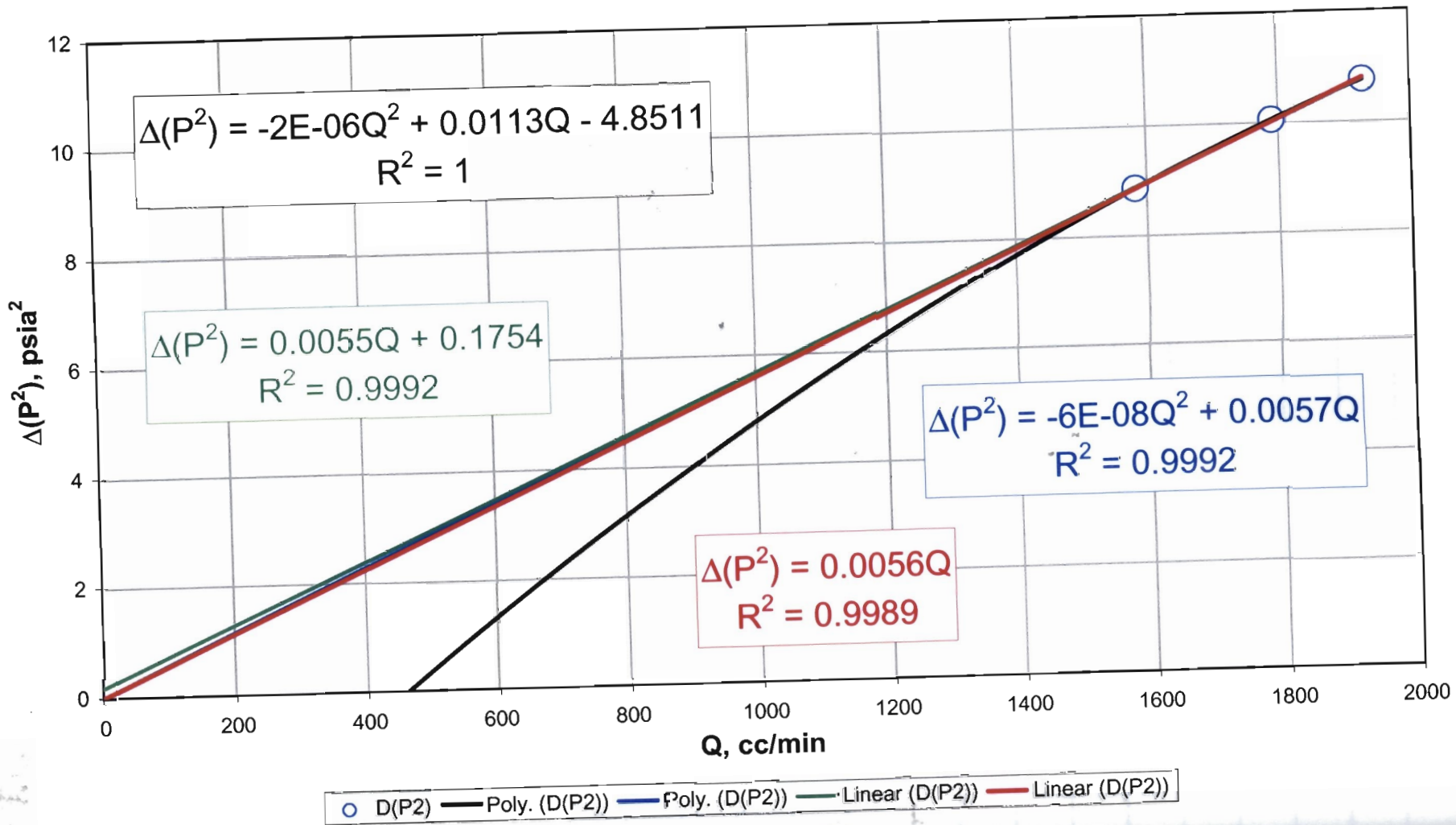
X Transect: Drillhole 98



Final check for high velocity flow effects:
High velocity flow effects are present when the slope is non-zero and positive.
X Transect : Drillhole 98

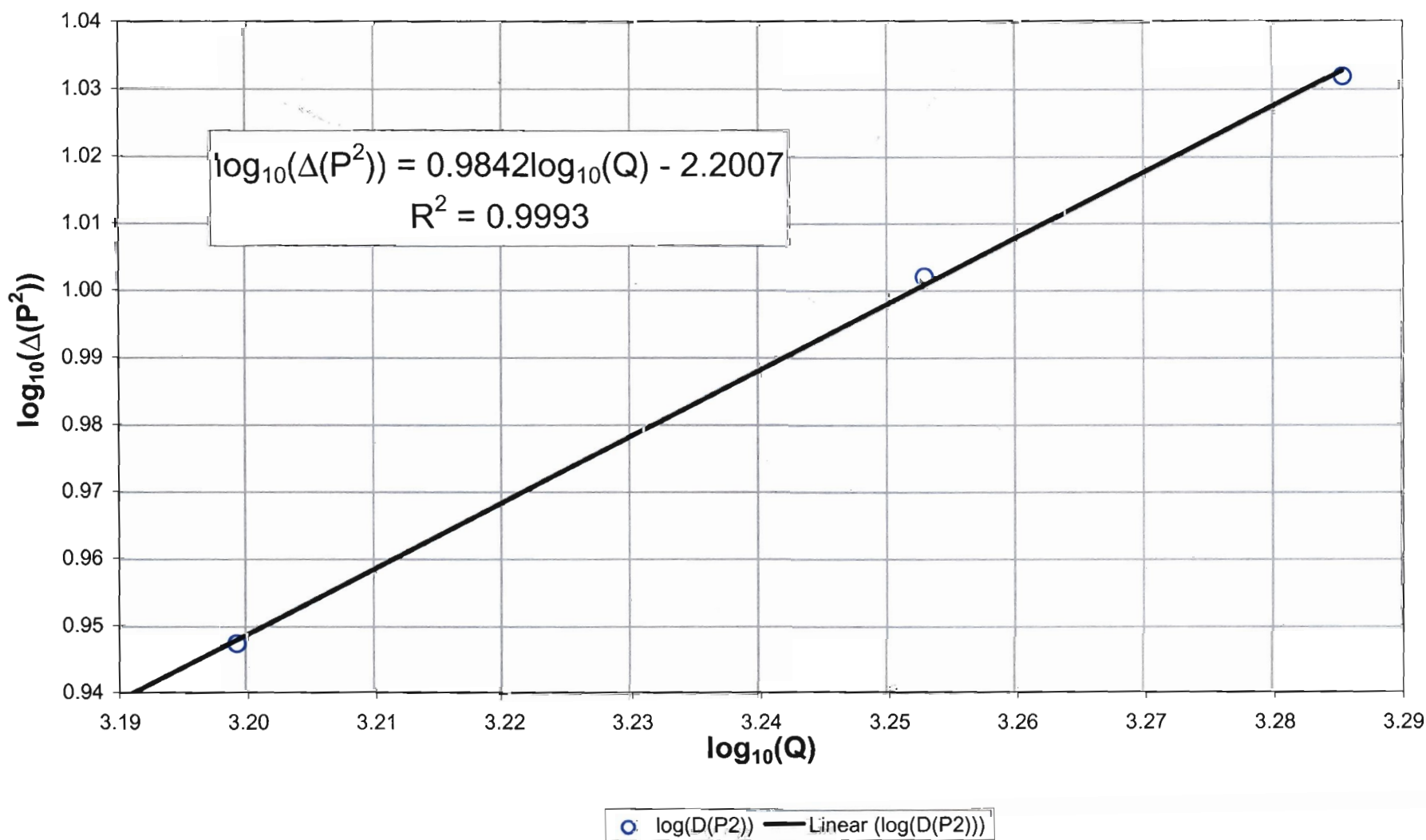


Relationship between steady-state differential pressures squared and flowrate:
 If relationship is linear, with the ordinate intercept nearly zero,
 there is no high velocity flow effect.
 X Transect: Drillhole 99



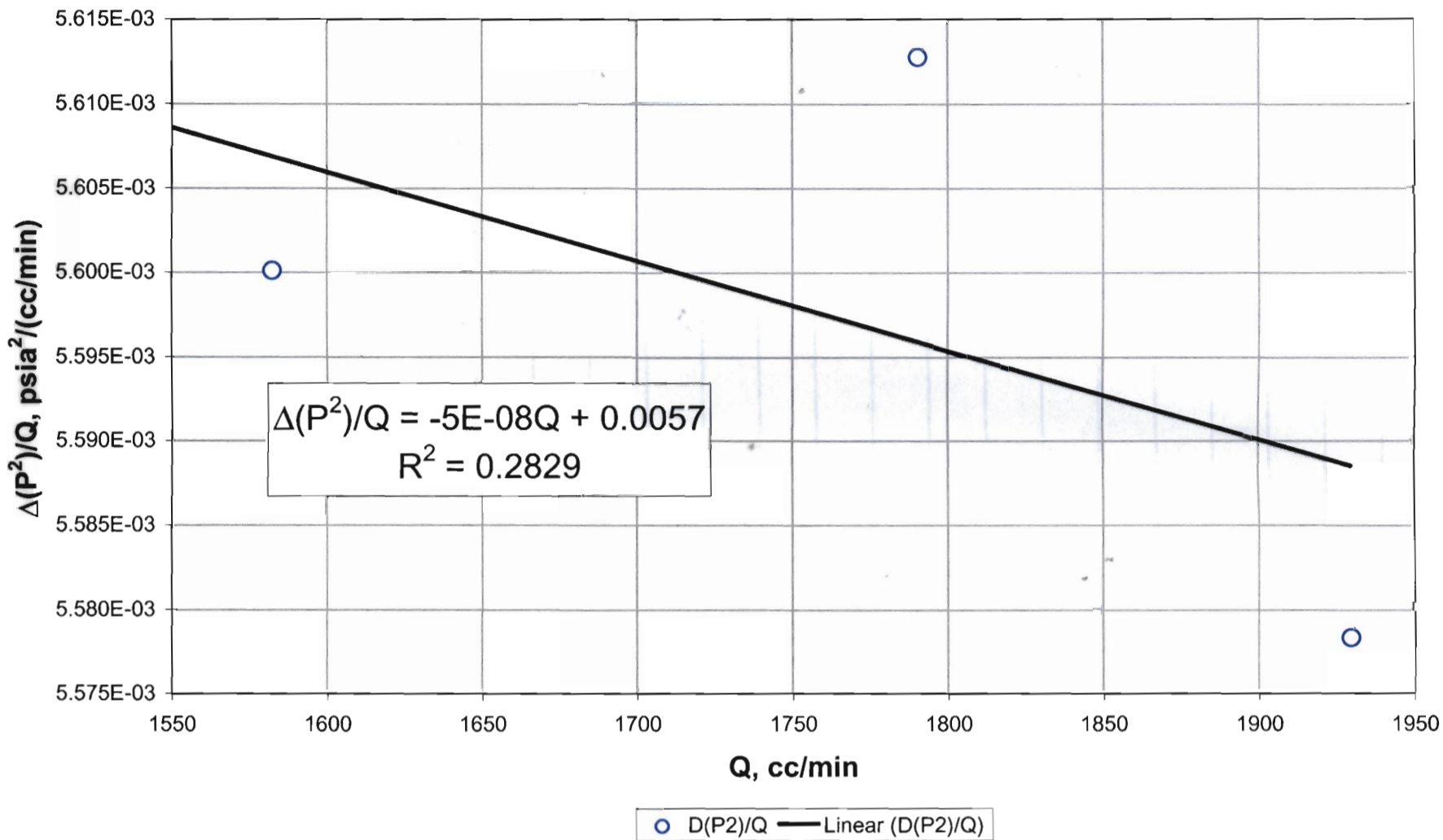
RNM, 08/28/02

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)
 X Transect: Drillhole 99



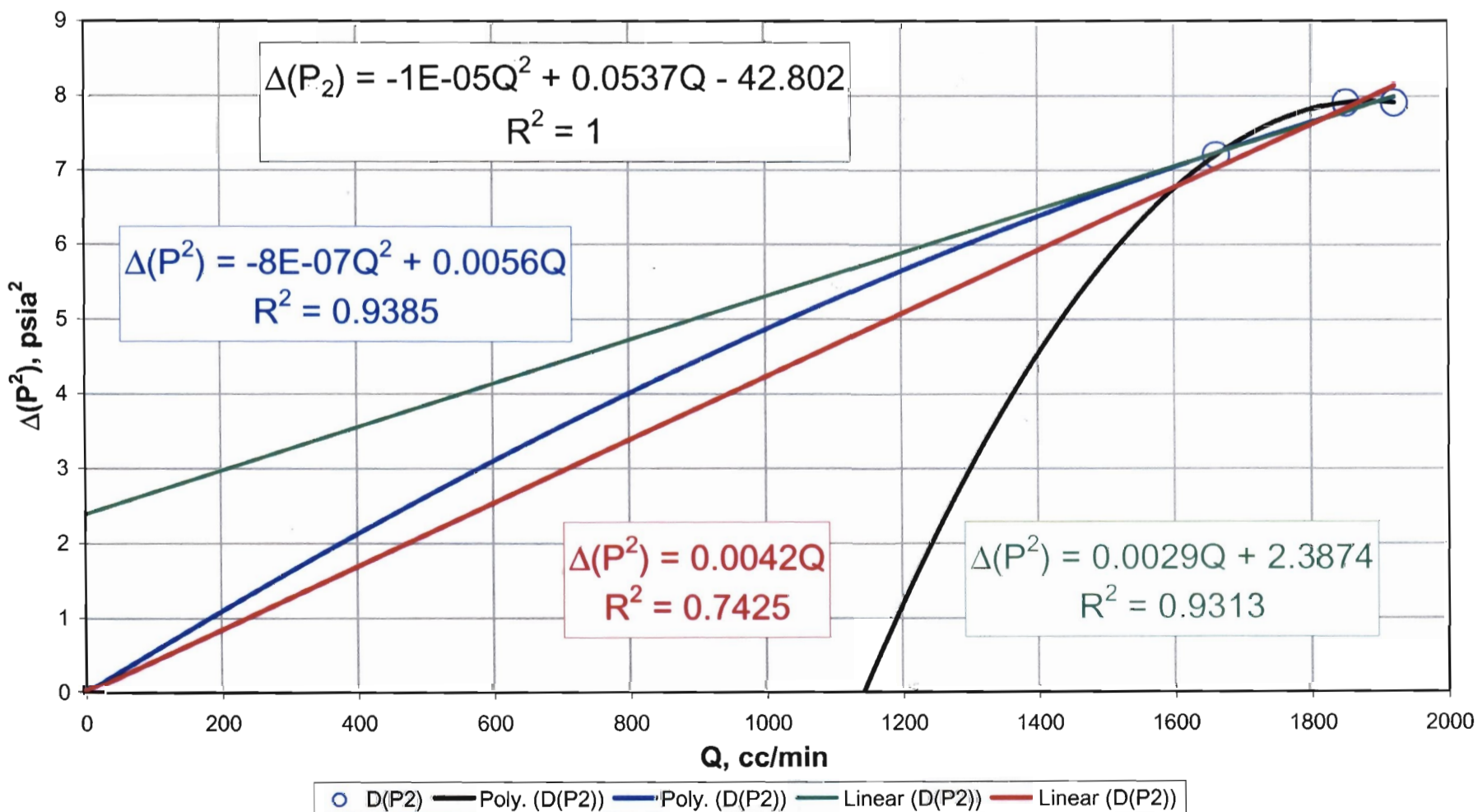
RNM, 08/28/02

Final check for high velocity flow effects:
 High velocity flow effects are present when the slope is non-zero and positive.
 X Transect : Drillhole 99



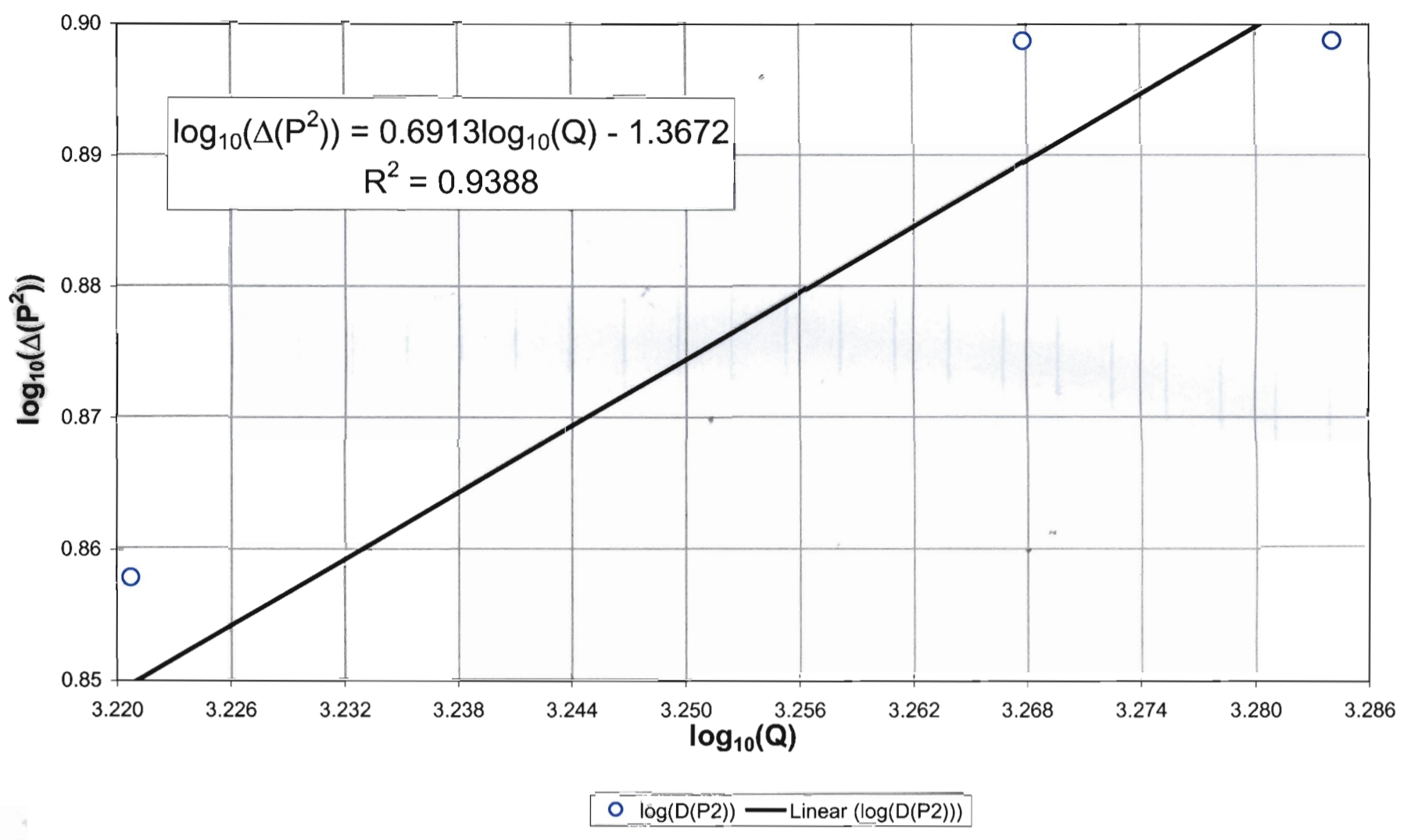
RNM, 08/28/02

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.
 X Transect: Drillhole 100



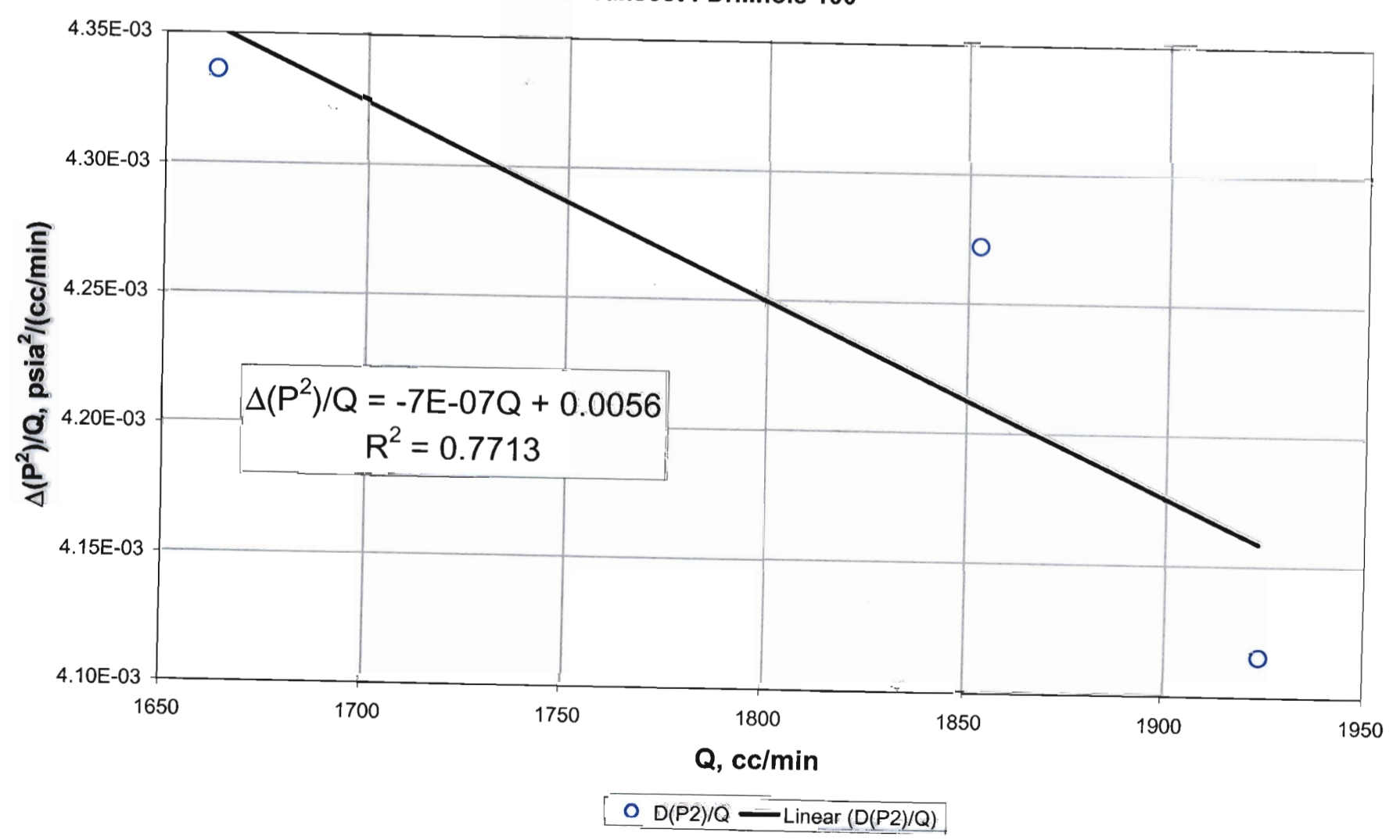
RNM, 08/28/02

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)
X Transect: Drillhole 100



RMM, 08/28/02

Final check for high velocity flow effects:
High velocity flow effects are present when the slope is non-zero and positive.
X Transect : Drillhole 100



RMM, 08/28/02

H-transect (CLD, 05/07/03)

Sample Name	Field	Well	Depth	Diameter	Length	Operator				
permeability measurement	Escalante, UT	-10 hole	4"	5/8"	4"	silong lu				
Outside Diam.	Inside Diam.	Geom. Fact.	Ref. Temp.	Viscosity						
(in)	(in)		(C)	(cp)						
0.92	0.92	7.211	19.5	0.01746						
Date	Time	Flow Press	Atm. Press	Flow Rate	Temp.	old Perm.	new Perm.	Sample	Reading	
		(psia)	(psia)	(cc/min)	(C)	(md)	(md)			
7/3/00	10:31:46 AM	13.29	11.46	750.8	22.65	294.4551	259.7066	H-10	1	
7/3/00	10:34:26 AM	12.34	11.46	490.7	22.82	416.1192	343.3832	H-10	2	
7/3/00	10:39:33 AM	12.01	11.46	210.5	23.12	289.8735	235.6671	H-10	3	

Sample Name	Field	Well	Depth	Diameter	Length	Operator				
permeability measurement	Escalante, UT	-9 hole	4"	5/8"	4"	silong lu				
Outside Diam.	Inside Diam.	Geom. Fact.	Ref. Temp.	Viscosity						
(in)	(in)		(C)	(cp)						
0.92	0.92	7.211	19.0	0.01744						
Date	Time	Flow Press	Atm. Press	Flow Rate	Temp.	old Perm.	new Perm.	Sample	Reading	
		(psia)	(psia)	(cc/min)	(C)	(md)	(md)			
7/3/00	10:24:41 AM	12.13	11.46	196.7	22.22	219.6664	178.9705	H-9	1	
7/3/00	10:26:55 AM	12.60	11.46	497.4	22.35	320.3446	272.4761	H-9	2	
7/3/00	10:28:52 AM	13.79	11.46	734.8	22.48	220.9179	206.5796	H-9	3	

Sample Name	Field	Well	Depth	Diameter	Length	Operator				
permeability measurement (bottom)	Escalante, UT	-8 hole	4"	5/8"	4"	silong lu				
Outside Diam.	Inside Diam.	Geom. Fact.	Ref. Temp.	Viscosity						
(in)	(in)		(C)	(cp)						
0.92	0.92	7.211	19.0	0.01744						
Date	Time	Flow Press	Atm. Press	Flow Rate	Temp.	old Perm.	new Perm.	Sample	Reading	
		(psia)	(psia)	(cc/min)	(C)	(md)	(md)			
7/3/00	10:16:20 AM	13.84	11.46	716.0	21.69	209.7717	190.4523	H-8	1	
7/3/00	10:19:32 AM	12.64	11.46	465.6	21.89	288.7768	241.7029	H-8	2	
7/3/00	10:21:33 AM	12.20	11.46	201.5	22.00	202.9976	164.8110	H-8	3	

Sample Name	Field	Well	Depth	Diameter	Length	Operator				
permeability measurement	Escalante, UT	-7 hole	4"	5/8"	4"	silong lu				
Outside Diam.	Inside Diam.	Geom. Fact.	Ref. Temp.	Viscosity						
(in)	(in)		(C)	(cp)						
0.92	0.92	7.211	18.5	0.01742						
Date	Time	Flow Press	Atm. Press	Flow Rate	Temp.	old Perm.	new Perm.	Sample	Reading	
		(psia)	(psia)	(cc/min)	(C)	(md)	(md)			
7/3/00	10:09:27 AM	12.12	11.46	203.4	21.26	230.3305	184.3265	H-7	1	
7/3/00	10:11:03 AM	12.51	11.46	478.3	21.35	335.1170	277.8157	H-7	2	
7/3/00	10:13:00 AM	13.54	11.46	718.8	21.49	244.0588	220.1498	H-7	3	

CLD, 12/16/02

Sample Name	Field	Well	Depth	Diameter	Length	Operator				
permeability measurement	Escalante, UT	-6 hole	4"	5/8"	4"	silong lu				
Outside Diam.	Inside Diam.	Geom. Fact.	Ref. Temp.	Viscosity						
(in)	(in)		(C)	(cp)						
0.92	0.92	7.211	17.5	0.01738						
Date	Time	Flow Press	Atm. Press	Flow Rate	Temp.	old Perm.	new Perm.	Sample	Reading	
		(psia)	(psia)	(cc/min)	(C)	(md)	(md)			
7/3/00	10:01:38 AM	12.28	11.46	708.4	20.82	642.6428	537.1022	H-6	1	
7/3/00	10:05:11 AM	11.89	11.46	478.2	20.98	841.3389	685.8600	H-6	2	
7/3/00	10:06:46 AM	11.77	11.46	268.8	21.09	659.4940	534.8910	H-6	3	

Sample Name	Field	Well	Depth	Diameter	Length	Operator				
permeability measurement	Escalante, UT	-5 hole	4"	5/8"	4"	silong lu				
Outside Diam.	Inside Diam.	Geom. Fact.	Ref. Temp.	Viscosity						
(in)	(in)		(C)	(cp)						
0.92	0.92	7.211	27.5	0.0178						
Date	Time	Flow Press	Atm. Press	Flow Rate	Temp.	old Perm.	new Perm.	Sample	Reading	
		(psia)	(psia)	(cc/min)	(C)	(md)	(md)			
6/29/00	1:51:33 PM	12.26	11.44	703.6	33.29	657.7507	555.9521	H-5	1	
6/29/00	1:54:23 PM	11.80	11.44	478.0	33.17	1037.1443	841.3685	H-5	2	
6/29/00	1:56:27 PM	11.74	11.44	404.8	33.09	1056.3761	860.8248	H-5	3	

Sample Name	Field	Well	Depth	Diameter	Length	Operator				
permeability measurement	Escalante, UT	-4 hole	4"	5/8"	4"	silong lu				
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	Atm. Press	Flow Rate	Temp.	old Perm.	new Perm.	Sample	Reading	
		(psia)	(psia)	(cc/min)	(C)	(md)	(md)			
6/29/00	2:00:54 PM	11.855	11.445	508.4	32.91	965.1156	823.4887	H-4	1	
6/29/00	2:02:22 PM	12.095	11.445	710.4	32.78	841.7892	730.0631	H-4	2	
6/29/00	2:04:54 PM	12.245	11.445	1003.2	32.58	959.2341	837.5385	H-4	3	

Sample Name	Field	Well	Depth	Diameter	Length	Operator				
permeability measurement	Escalante, UT	#-3 hole	4"	5/8"	4"	silong lu				
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	Atm. Press	Flow Rate	Temp.	old Perm.	new Perm.	Sample	Reading	
		(psia)	(psia)	(cc/min)	(C)	(md)	(md)			
6/29/00	2:11:04 PM	12.625	11.445	691.6	32.22	443.0985	415.2469	H-3	1	
6/29/00	2:13:26 PM	11.955	11.445	445.7	32.05	678.8440	590.9110	H-3	2	
6/29/00	2:17:22 PM	11.745	11.445	201.1	31.82	524.9398	452.8933	H-3	3	

CLD, 12/16/02

Sample Name	Field	Well	Depth	Diameter	Length	Operator					
permeability measurement	Escalante, UT	-2 hole	4"	5/8"	4"	silong lu					
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	Atm. Press	Flow Rate	Temp.	old Perm.	new Perm.	Sample	Reading		
		(psia)	(psia)	(cc/min)	(C)	(md)	(md)				
6/29/00	2:20:27 PM	11.755	11.445	201.7	31.62	509.8128	445.6115	H-2	1		
6/29/00	2:22:45 PM	11.995	11.445	466.0	31.46	656.8768	583.0962	H-2	2		
6/29/00	2:24:18 PM	12.645	11.445	688.4	31.32	432.7942	403.1615	H-2	3		

Sample Name	Field	Well	Depth	Diameter	Length	Operator					
permeability measurement	Escalante, UT	-1 hole	4"	5/8"	4"	silong lu					
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	Atm. Press	Flow Rate	Temp.	old Perm.	new Perm.	Sample	Reading		
		(psia)	(psia)	(cc/min)	(C)	(md)	(md)				
6/29/00	3:09:32 PM	12.68	11.45	699.6	30.14	425.9451	400.9254	H-1	1		
6/29/00	3:41:25 PM	12.02	11.45	472.3	30.11	637.5513	568.6682	H-1	2		
6/29/00	3:14:36 PM	11.78	11.45	208.1	30.05	490.0249	427.6735	H-1	3		

Sample Name	Field	Well	Depth	Diameter	Length	Operator					
permeability measurement	Escalante, UT	0 hole	4"	5/8"	4"	silong lu					
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	Atm. Press	Flow Rate	Temp.	old Perm.	new Perm.	Sample	Reading		
		(psia)	(psia)	(cc/min)	(C)	(md)	(md)				
6/29/00	3:17:55 PM	11.79	11.45	199.8	30.00	456.3750	398.0423	H-0	1		
6/29/00	3:20:06 PM	12.04	11.45	472.1	29.97	614.8807	547.0486	H-0	2		
6/29/00	3:21:38 PM	12.74	11.45	708.0	29.91	409.6994	384.7753	H-0	3		

Sample Name	Field	Well	Depth	Diameter	Length	Operator					
permeability measurement	Escalante, UT	#1 hole	4"	5/8"	4"	silong lu					
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	Atm. Press	Flow Rate	Temp.	old Perm.	new Perm.	Sample	Reading		
		(psia)	(psia)	(cc/min)	(C)	(md)	(md)				
6/29/00	3:24:17 PM	12.80	11.45	708.8	29.83	391.5401	367.9214	H1	1		
6/29/00	3:48:14 PM	12.03	11.45	436.2	29.02	577.3220	497.6641	H1	2		
6/29/00	3:51:52 PM	11.81	11.45	204.9	28.93	440.8355	372.0847	H1	3		

CLD, 12/16/02

Sample Name	Field	Well	Depth	Diameter	Length	Operator					
permeability measurement	Escalante, UT	#2 hole	4"	5/8"	4"	silong lu					
Outside Diam.	Inside Diam.	Geom. Fact.	Ref. Temp.	Viscosity							
(in)	(in)		(C)	(cp)							
0.92	0.92	7.211	22.5	0.01759							
Date	Time	Flow Press	Atm. Press	Flow Rate	Temp.	old Perm.	new Perm.	Sample	Reading		
		(psia)	(psia)	(cc/min)	(C)	(md)	(md)				
6/29/00		11.75	11.44	238.0	28.85	596.0000	509.9924	H2	1		
6/29/00	4:01:40 PM	11.95	11.44	497.8	28.85	751.0542	653.7831	H2	2		
6/29/00	4:03:38 PM	12.55	11.44	730.0	28.85	493.6439	451.0500	H2	3		

Sample Name	Field	Well	Depth	Diameter	Length	Operator					
permeability measurement	Escalante, UT	#3 hole	4"	5/8"	4"	silong lu					
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	Atm. Press	Flow Rate	Temp.	old Perm.	new Perm.	Sample	Reading		
		(psia)	(psia)	(cc/min)	(C)	(md)	(md)				
6/30/00	10:08:14 AM	12.475	11.435	641.2	22.39	454.4211	341.7402	H3	1		
6/30/00	10:11:17 AM	12.085	11.435	487.1	22.94	562.3450	419.1103	H3	2		
6/30/00	10:13:28 AM	11.805	11.435	201.2	23.32	413.4012	305.6367	H3	3		

Sample Name	Field	Well	Depth	Diameter	Length	Operator					
permeability measurement (bottom)	Escalante, UT	#4 hole	4"	5/8"	4"	silong lu					
Outside Diam.	Inside Diam.	Geom. Fact.	Ref. Temp.	Viscosity							
(in)	(in)		(C)	(cp)							
0.92	0.92	7.211	22.5	0.01759							
Date	Time	Flow Press	Atm. Press	Flow Rate	Temp.	old Perm.	new Perm.	Sample	Reading		
		(psia)	(psia)	(cc/min)	(C)	(md)	(md)				
6/30/00		11.845	11.435	199	23.7	368.0000	265.9715	H4	1		
6/30/00	10:21:15 AM	12.135	11.435	488.5	24.68	525.3243	402.9558	H4	2		
6/30/00	10:23:05 AM	12.675	11.435	670.4	24.98	395.0000	322.6421	H4	3		

Sample Name	Field	Well	Depth	Diameter	Length	Operator					
permeability measurement	Escalante, UT	#5 hole	4"	5/8"	4"	silong lu					
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	Atm. Press	Flow Rate	Temp.	old Perm.	new Perm.	Sample	Reading		
		(psia)	(psia)	(cc/min)	(C)	(md)	(md)				
6/30/00	10:29:14 AM	12.585	11.435	661.6	26.02	426.3612	349.0590	H5	1		
6/30/00	10:33:11 AM	12.055	11.435	462.3	26.58	565.8627	452.6735	H5	2		
6/30/00	10:35:30 AM	11.825	11.435	198.4	26.89	390.1999	309.5088	H5	3		

CLD, 12/16/02

Sample Name	Field	Well	Depth	Diameter	Length	Operator				
permeability measurement	Escalante, UT	#6 hole	4"	5/8"	4"	silong lu				
Outside Diam.	Inside Diam.	Geom. Fact.	Ref. Temp.	Viscosity						
(in)	(in)		(C)	(cp)						
0.92	0.92	7.211	22.5	0.01759						
Date	Time	Flow Press	Atm. Press	Flow Rate	Temp.	old Perm.	new Perm.	Sample	Reading	
		(psia)	(psia)	(cc/min)	(C)	(md)	(md)			
6/30/00	10:38:37 AM	11.905	11.435	194.4	27.26	317.1166	261.3475	H6	1	
6/30/00	10:40:55 AM	12.225	11.435	480.5	27.55	460.5936	393.4482	H6	2	
6/30/00	10:43:06 AM	13.075	11.435	733.6	27.88	327.5918	302.3236	H6	3	

Sample Name	Field	Well	Depth	Diameter	Length	Operator				
permeability measurement	Escalante, UT	#7 hole	4"	5/8"	4"	silong lu				
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	Atm. Press	Flow Rate	Temp.	old Perm.	new Perm.	Sample	Reading	
		(psia)	(psia)	(cc/min)	(C)	(md)	(md)			
6/30/00	10:46:32 AM	13.225	11.435	735.6	28.31	299.0862	277.6802	H7	1	
6/30/00	10:50:30 AM	12.235	11.435	436.8	28.75	414.2485	361.1186	H7	2	
6/30/00	10:53:04 AM	11.945	11.435	191.5	29.03	288.6090	247.8569	H7	3	

Sample Name	Field	Well	Depth	Diameter	Length	Operator				
permeability measurement	Escalante, UT	#8 hole	4"	5/8"	4"	silong lu				
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	Atm. Press	Flow Rate	Temp.	old Perm.	new Perm.	Sample	Reading	
		(psia)	(psia)	(cc/min)	(C)	(md)	(md)			
6/30/00	10:57:14 AM	11.845	11.435	187.3	29.46	352.5103	298.6107	H8	1	
6/30/00	10:59:01 AM	12.155	11.435	473.0	29.64	500.7054	437.5226	H8	2	
6/30/00	11:00:16 AM	12.905	11.435	695.2	29.76	349.7107	325.4089	H8	3	

Sample Name	Field	Well	Depth	Diameter	Length	Operator				
permeability measurement (bottom)	Escalante, UT	#9 hole	4"	5/8"	4"	silong lu				
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	Atm. Press	Flow Rate	Temp.	old Perm.	new Perm.	Sample	Reading	
		(psia)	(psia)	(cc/min)	(C)	(md)	(md)			
6/30/00	11:02:42 AM	12.385	11.435	695.6	29.99	554.0727	488.0702	H9	1	
6/30/00	11:05:28 AM	11.885	11.435	449.4	30.28	772.3744	658.8138	H9	2	
6/30/00	11:06:42 AM	11.735	11.435	245.9	30.44	638.2238	540.2000	H9	3	

CLD, 12/16/02

Sample Name	Field	Well	Depth	Diameter	Length	Operator				
permeability measurement	Escalante, UT	#10 hole	4"	5/8"	4"	silong lu				
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	Atm. Press	Flow Rate	Temp.	old Perm.	new Perm.	Sample	Reading	
		(psia)	(psia)	(cc/min)	(C)	(md)	(md)			
6/30/00	11:09:04 AM	11.975	11.435	196.3	30.65	280.4034	243.6390	H10	1	
6/30/00	11:10:27 AM	12.365	11.435	490.5	30.85	400.5668	361.3633	H10	2	
6/30/00	11:11:38 AM	13.445	11.435	736.4	30.99	266.5379	262.2801	H10	3	

Sample Name	Field	Well	Depth	Diameter	Length	Operator				
permeability measurement	Escalante, UT	#11 hole	4"	5/8"	4"	silong lu				
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	Atm. Press	Flow Rate	Temp.	old Perm.	new Perm.	Sample	Reading	
		(psia)	(psia)	(cc/min)	(C)	(md)	(md)			
6/30/00	11:14:05 AM	12.805	11.435	742.8	31.28	405.5012	375.5932	H11	1	
6/30/00	11:15:31 AM	12.065	11.435	479.8	31.47	587.5092	515.8561	H11	2	
6/30/00	11:17:54 AM	11.785	11.435	182.6	31.74	407.5746	352.3381	H11	3	

Sample Name	Field	Well	Depth	Diameter	Length	Operator				
permeability measurement	Escalante, UT	#12 hole	4"	5/8"	4"	silong lu				
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	Atm. Press	Flow Rate	Temp.	old Perm.	new Perm.	Sample	Reading	
		(psia)	(psia)	(cc/min)	(C)	(md)	(md)			
6/30/00	11:20:46 AM	11.865	11.435	180.7	32.03	325.8815	271.8447	H12	1	
6/30/00	11:22:57 AM	12.225	11.435	490.3	32.22	474.3835	409.7858	H12	2	
6/30/00	11:24:30 AM	13.105	11.435	682.8	32.34	301.6655	280.0541	H12	3	

Sample Name	Field	Well	Depth	Diameter	Length	Operator				
permeability measurement (bottom)	Escalante, UT	#13 hole	4"	5/8"	4"	silong lu				
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	Atm. Press	Flow Rate	Temp.	old Perm.	new Perm.	Sample	Reading	
		(psia)	(psia)	(cc/min)	(C)	(md)	(md)			
6/30/00	11:26:53 AM	13.535	11.435	687.2	32.54	237.8972	233.0138	H13	1	
6/30/00	11:28:30 AM	12.465	11.435	467.1	32.58	344.2033	311.0847	H13	2	
6/30/00	11:31:04 AM	12.025	11.435	188.0	32.72	246.4035	215.7430	H13	3	

CLD, 12/16/02

Sample Name	Field	Well	Depth	Diameter	Length	Operator				
permeability measurement	Escalante, UT	#14 hole	4"	5/8"	4"	silong lu				
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	Atm. Press	Flow Rate	Temp.	old Perm.	new Perm.	Sample	Reading	
		(psia)	(psia)	(cc/min)	(C)	(md)	(md)			
6/30/00	12:32:54 PM	12.981	11.431	692.8	32.57	332.8965	330.9134	H14	1	
6/30/00	12:35:04 PM	12.161	11.431	467.5	32.65	493.3221	460.7466	H14	2	
6/30/00	12:37:31 PM	11.841	11.431	187.7	32.85	357.6342	327.1042	H14	3	
Sample Name	Field	Well	Depth	Diameter	Length	Operator				
permeability measurement	Escalante, UT	#15 hole	4"	5/8"	4"	silong lu				
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	Atm. Press	Flow Rate	Temp.	old Perm.	new Perm.	Sample	Reading	
		(psia)	(psia)	(cc/min)	(C)	(md)	(md)			
6/30/00	11:33:52 AM	11.955	11.435	179.7	32.65	267.3334	241.7686	H15	1	
6/30/00	11:35:56 AM	12.405	11.435	492.2	32.68	385.3186	361.7388	H15	2	
6/30/00	11:37:19 AM	13.385	11.435	688.4	32.68	257.7034	260.8300	H15	3	
Sample Name	Field	Well	Depth	Diameter	Length	Operator				
permeability measurement	Escalante, UT	#16 hole	4"	5/8"	4"	silong lu				
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	Atm. Press	Flow Rate	Temp.	old Perm.	new Perm.	Sample	Reading	
		(psia)	(psia)	(cc/min)	(C)	(md)	(md)			
6/30/00	12:40:04 PM	11.901	11.431	186.8	33.06	309.9144	286.5029	H16	1	
6/30/00	12:41:27 PM	12.291	11.431	486.9	33.23	434.6113	416.6997	H16	2	
6/30/00	12:42:36 PM	13.211	11.431	704.0	33.37	292.6395	302.4713	H16	3	
Sample Name	Field	Well	Depth	Diameter	Length	Operator				
permeability measurement	Escalante, UT	#17 hole	4"	5/8"	4"	silong lu				
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	Atm. Press	Flow Rate	Temp.	old Perm.	new Perm.	Sample	Reading	
		(psia)	(psia)	(cc/min)	(C)	(md)	(md)			
6/30/00	12:48:32 PM	14.081	11.431	663.6	34.20	179.5776	202.0651	H17	1	
6/30/00	12:50:14 PM	12.751	11.431	466.2	34.35	267.0418	273.4593	H17	2	
6/30/00	12:52:44 PM	12.171	11.431	179.2	34.57	187.6366	184.5435	H17	3	

CLD, 12/16/02

Sample Name	Field	Well	Depth	Diameter	Length	Operator				
permeability measurement	Escalante, UT	#18 hole	4"	5/8"	4"	silong lu				
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	Atm. Press	Flow Rate	Temp.	old Perm.	new Perm.	Sample	Reading	
		(psia)	(psia)	(cc/min)	(C)	(md)	(md)			
6/30/00	12:54:47 PM	12.181	11.431	178.4	34.74	184.2356	175.3410	H18	1	
6/30/00	12:57:01 PM	12.821	11.431	491.6	34.89	266.9808	268.3134	H18	2	
6/30/00	12:58:12 PM	14.551	11.431	754.4	35.02	170.6843	195.0534	H18	3	
Sample Name	Field	Well	Depth	Diameter	Length	Operator				
permeability measurement	Escalante, UT	#19 hole	4"	5/8"	4"	silong lu				
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	Atm. Press	Flow Rate	Temp.	old Perm.	new Perm.	Sample	Reading	
		(psia)	(psia)	(cc/min)	(C)	(md)	(md)			
6/30/00	1:00:55 PM	13.561	11.421	736.8	35.22	252.5231	270.7445	H19	1	
6/30/00	1:02:35 PM	12.321	11.421	462.3	35.31	396.1263	387.1486	H19	2	
6/30/00	1:04:23 PM	11.931	11.421	196.8	35.38	302.5286	286.9033	H19	3	
Sample Name	Field	Well	Depth	Diameter	Length	Operator				
permeability measurement	Escalante, UT	#20 hole	4"	5/8"	4"	silong lu				
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	Atm. Press	Flow Rate	Temp.	old Perm.	new Perm.	Sample	Reading	
		(psia)	(psia)	(cc/min)	(C)	(md)	(md)			
6/30/00	1:06:38 PM	11.921	11.421	188.8	35.48	296.2361	281.4234	H20	1	
6/30/00	1:08:18 PM	12.351	11.421	477.8	35.52	395.9815	389.9802	H20	2	
6/30/00	1:09:49 PM	13.471	11.421	717.6	35.55	257.9414	276.9990	H20	3	
Sample Name	Field	Well	Depth	Diameter	Length	Operator				
permeability measurement	Escalante, UT	#21 hole	4"	5/8"	4"	silong lu				
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	Atm. Press	Flow Rate	Temp.	old Perm.	new Perm.	Sample	Reading	
		(psia)	(psia)	(cc/min)	(C)	(md)	(md)			
6/30/00	1:12:31 PM	13.131	11.421	719.2	35.55	314.1376	328.9077	H21	1	
6/30/00	1:14:02 PM	12.101	11.421	431.7	35.57	494.4432	477.8307	H21	2	
6/30/00	1:16:59 PM	11.821	11.421	190.6	35.52	375.4462	354.0679	H21	3	

CLD, 12/16/02

Sample Name	Field	Well	Depth	Diameter	Length	Operator					
permeability measurement (bottom)	Escalante, UT	#22 hole	4"	5/8"	4"	silong lu					
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	Atm. Press	Flow Rate	Temp.	old Perm.	new Perm.	Sample	Reading		
		(psia)	(psia)	(cc/min)	(C)	(md)	(md)				
6/30/00	1:19:48 PM	11.861	11.421	185.2	35.48	331.0449	312.9269	H22	1		
6/30/00	1:21:48 PM	12.261	11.421	471.5	35.4	434.0944	423.1391	H22	2		
6/30/00	1:22:59 PM	13.251	11.421	697.6	35.35	283.1652	297.6865	H22	3		

Sample Name	Field	Well	Depth	Diameter	Length	Operator					
permeability measurement (bottom)	Escalante, UT	#23 hole	4"	5/8"	4"	silong lu					
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	Atm. Press	Flow Rate	Temp.	old Perm.	new Perm.	Sample	Reading		
		(psia)	(psia)	(cc/min)	(C)	(md)	(md)				
6/30/00	1:24:56 PM	12.751	11.421	700.4	35.28	399.6775	410.8728	H23	1		
6/30/00	1:26:32 PM	12.021	11.421	483.4	35.20	629.9144	609.6725	H23	2		
6/30/00	1:29:35 PM	11.731	11.421	186.9	35.05	476.9210	448.8847	H23	3		

Sample Name	Field	Well	Depth	Diameter	Length	Operator					
permeability measurement (bottom)	Escalante, UT	#24 hole	4"	5/8"	4"	silong lu					
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	Atm. Press	Flow Rate	Temp.	old Perm.	new Perm.	Sample	Reading		
		(psia)	(psia)	(cc/min)	(C)	(md)	(md)				
6/30/00	1:32:07 PM	11.991	11.421	207.5	34.92	283.5882	278.3236	H24	1		
6/30/00	1:33:12 PM	12.441	11.421	486.3	34.86	364.4854	370.4210	H24	2		
6/30/00	1:34:09 PM	13.551	11.421	690.4	34.77	236.9461	261.4325	H24	3		

Sample Name	Field	Well	Depth	Diameter	Length	Operator					
permeability measurement	Escalante, UT	#25 hole	4"	5/8"	4"	silong lu					
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	Atm. Press	Flow Rate	Temp.	old Perm.	new Perm.	Sample	Reading		
		(psia)	(psia)	(cc/min)	(C)	(md)	(md)				
6/30/00	2:12:36 PM	12.985	11.435	703.6	32.42	337.5310	334.5177	H25	1		
6/30/00	2:15:12 PM	12.185	11.435	465.8	32.28	476.8959	442.1127	H25	2		
6/30/00	2:17:07 PM	11.885	11.435	189.4	32.22	327.1905	295.4468	H25	3		

Sample Name	Field	Well	Depth	Diameter	Length	Operator					
permeability measurement	Escalante, UT	#26 hole	4"	5/8"	4"	silong lu					
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	Atm. Press	Flow Rate	Temp.	old Perm.	new Perm.	Sample	Reading		
		(psia)	(psia)	(cc/min)	(C)	(md)	(md)				
6/30/00	2:21:26 PM	11.745	11.435	225.9	32.17	569.7386	517.9786	H26	1		
6/30/00	2:23:23 PM	11.925	11.435	489.1	32.16	774.4994	714.6111	H26	2		
6/30/00	2:25:00 PM	12.495	11.435	750.4	32.16	536.4851	518.3978	H26	3		

Sample Name	Field	Well	Depth	Diameter	Length	Operator					
permeability measurement	Escalante, UT	#27 hole	4"	5/8"	4"	silong lu					
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	Atm. Press	Flow Rate	Temp.	old Perm.	new Perm.	Sample	Reading		
		(psia)	(psia)	(cc/min)	(C)	(md)	(md)				
6/30/00	2:27:17 PM	13.425	11.435	751.6	32.17	275.7398	286.1308	H27	1		
6/30/00	2:28:56 PM	12.325	11.435	470.6	32.25	403.6381	385.7436	H27	2		
6/30/00	2:31:32 PM	11.965	11.435	197.3	32.42	288.6114	269.1087	H27	3		

Sample Name	Field	Well	Depth	Diameter	Length	Operator					
permeability measurement	Escalante, UT	#28 hole	4"	5/8"	4"	silong lu					
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	Atm. Press	Flow Rate	Temp.	old Perm.	new Perm.	Sample	Reading		
		(psia)	(psia)	(cc/min)	(C)	(md)	(md)				
6/30/00	2:34:10 PM	11.975	11.435	189.0	32.63	270.9664	249.7324	H28	1		
6/30/00	2:36:03 PM	12.355	11.435	474.9	32.82	393.6285	376.1117	H28	2		
6/30/00	2:37:38 PM	13.445	11.435	728.8	33.00	264.7790	276.4091	H28	3		

Sample Name	Field	Well	Depth	Diameter	Length	Operator					
permeability measurement	Escalante, UT	#29 hole	4"	5/8"	4"	silong lu					
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	Atm. Press	Flow Rate	Temp.	old Perm.	new Perm.	Sample	Reading		
		(psia)	(psia)	(cc/min)	(C)	(md)	(md)				
6/30/00	2:39:43 PM	13.875	11.435	733.6	33.26	216.0808	234.3410	H29	1		
6/30/00	2:41:45 PM	12.515	11.435	453.3	33.48	318.6546	313.8979	H29	2		
6/30/00	2:43:39 PM	12.095	11.435	191.3	33.69	224.0520	214.5713	H29	3		

CLD, 12/16/02

CLD, 12/16/02

Sample Name	Field	Well	Depth	Diameter	Length	Operator			
permeability measurement	Escalante, UT	#30 hole	4"	5/8"	4"	silong lu			
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	Atm. Press	Flow Rate	Temp.	old Perm.	new Perm.	Sample	Reading
		(psia)	(psia)	(cc/min)	(C)	(md)	(md)		
6/30/00	2:46:26 PM	11.945	11.435	191.2	33.92	291.8363	277.7351	H30	1
6/30/00	2:48:11 PM	12.315	11.435	472.7	34.08	412.0000	405.7784	H30	2
6/30/00	2:50:08 PM	13.295	11.435	689.2	34.32	273.3672	292.2533	H30	3

Sample Name	Field	Well	Depth	Diameter	Length	Operator			
permeability measurement	Escalante, UT	#31 hole	4"	5/8"	4"	silong lu			
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	Atm. Press	Flow Rate	Temp.	old Perm.	new Perm.	Sample	Reading
		(psia)	(psia)	(cc/min)	(C)	(md)	(md)		
6/30/00	2:54:40 PM	15.595	11.435	690.8	34.72	112.1780	134.2884	H31	1
6/30/00	2:56:05 PM	13.555	11.435	490.4	34.83	168.8271	176.4257	H31	2
6/30/00	2:58:17 PM	12.635	11.435	195.1	34.97	123.1491	120.4845	H31	3

Sample Name	Field	Well	Depth	Diameter	Length	Operator			
permeability measurement	Escalante, UT	h 32	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	Atm. Press	Flow Rate	Temp.	old Perm.	new Perm.	Sample	Reading
		(psia)	(psia)	(cc/min)	(C)	(md)	(md)		
7/12/00		12.299	11.489	190	27.1	158.1425	135.1823	H32	1
7/12/00		13.039	11.489	472	27.6	221.2520	183.7687	H32	2
7/12/00		14.789	11.489	761	27.8	157.1591	148.3994	H32	3

Sample Name	Field	Well	Depth	Diameter	Length	Operator			
permeability measurement	Escalante, UT	h 33	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	Atm. Press	Flow Rate	Temp.	old Perm.	new Perm.	Sample	Reading
		(psia)	(psia)	(cc/min)	(C)	(md)	(md)		
7/12/00	10:15:17 AM	13.179	11.489	752.4	28.53	325.2008	279.1145	H33	1
7/12/00	10:18:04 AM	12.239	11.489	457.7	28.94	463.7633	374.6907	H33	2
7/12/00	10:19:57 AM	11.959	11.489	195.2	29.20	319.5960	254.4040	H33	3

CLD, 12/16/02

Sample Name	Field	Well	Depth	Diameter	Length	Operator			
permeability measurement (top)	Escalante, UT	h 34	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	Atm. Press	Flow Rate	Temp.	old Perm.	new Perm.	Sample	Reading
		(psia)	(psia)	(cc/min)	(C)	(md)	(md)		
7/12/00	10:23:18 AM	12.309	11.489	188.4	29.60	174.1831	142.0043	H34	1
7/12/00	10:25:17 AM	12.889	11.489	477.8	29.86	252.8972	217.5152	H34	2
7/12/00	10:26:30 AM	14.269	11.489	706.0	30.02	178.3523	170.4953	H34	3

Sample Name	Field	Well	Depth	Diameter	Length	Operator			
permeability measurement	Escalante, UT	#35 hole	4"	5/8"	4"	silong lu			
Outside Diam.	Inside Diam.	Geom. Fact.	Ref. Temp.	Viscosity					
(in)	(in)		(C)	(cp)					
0.92	0.92	7.211	19.5	0.01746					
Date	Time	Flow Press	Atm. Press	Flow Rate	Temp.	old Perm.	new Perm.	Sample	Reading
		(psia)	(psia)	(cc/min)	(C)	(md)	(md)		
7/3/00		12.181	11.406	199.0	24.00	195.0000	165.6308	H35	1
7/3/00	10:54:26 AM	12.686	11.406	499.5	24.28	287.9008	259.6677	H35	2
7/3/00	10:55:58 AM	13.946	11.406	722.8	24.38	199.8008	198.6311	H35	3

Sample Name	Field	Well	Depth	Diameter	Length	Operator			
permeability measurement	Escalante, UT	#36 hole	4"	5/8"	4"	silong lu			
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	Atm. Press	Flow Rate	Temp.	old Perm.	new Perm.	Sample	Reading
		(psia)	(psia)	(cc/min)	(C)	(md)	(md)		
7/3/00	11:04:37 AM	13.851	11.401	711.6	25.12	204.4518	198.6961	H36	1
7/3/00	11:08:18 AM	12.601	11.401	470.5	25.45	290.3562	260.0987	H36	2
7/3/00	11:10:35 AM	12.151	11.401	202.9	25.68	204.2377	177.9568	H36	3

Sample Name	Field	Well	Depth	Diameter	Length	Operator			
permeability measurement	Escalante, UT	#37 hole	4"	5/8"	4"	silong lu			
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	Atm. Press	Flow Rate	Temp.	old Perm.	new Perm.	Sample	Reading
		(psia)	(psia)	(cc/min)	(C)	(md)	(md)		
7/3/00	11:14:19 AM	12.021	11.401	191.9	26.09	235.1273	196.6504	H37	1
7/3/00	11:16:39 AM	12.411	11.401	467.6	26.37	346.3984	301.9222	H37	2
7/3/00	11:17:57 AM	13.561	11.401	726.4	26.52	240.4060	229.8946	H37	3

CLD, 12/16/02

Sample Name	Field	Well	Depth	Diameter	Length	Operator				
permeability measurement	Escalante, UT	#38 hole	4"	5/8"	4"	silong lu				
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	Atm. Press	Flow Rate	Temp.	old Perm.	new Perm.	Sample	Reading	
		(psia)	(psia)	(cc/min)	(C)	(md)	(md)			
7/3/00	11:20:15 AM	14.341	11.401	726.4	26.73	171.2180	170.8031	H38	1	
7/3/00	11:22:56 AM	12.801	11.401	472.0	27.00	248.3823	223.5124	H38	2	
7/3/00	11:26:26 AM	12.251	11.401	196.4	27.30	174.2844	151.6771	H38	3	

Sample Name	Field	Well	Depth	Diameter	Length	Operator				
permeability measurement	Escalante, UT	#39 hole	4"	5/8"	4"	silong lu				
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	Atm. Press	Flow Rate	Temp.	old Perm.	new Perm.	Sample	Reading	
		(psia)	(psia)	(cc/min)	(C)	(md)	(md)			
7/3/00	11:30:46 AM	11.711	11.401	209.7	27.72	522.2695	422.8634	H39	1	
7/3/00	11:34:57 AM	11.891	11.401	480.7	28.21	752.8795	628.7911	H39	2	
7/3/00	11:36:58 AM	12.461	11.401	721.2	28.45	510.4098	449.8750	H39	3	

Sample Name	Field	Well	Depth	Diameter	Length	Operator				
permeability measurement (bottom)	Escalante, UT	#40 hole	4"	5/8"	4"	silong lu				
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	Atm. Press	Flow Rate	Temp.	old Perm.	new Perm.	Sample	Reading	
		(psia)	(psia)	(cc/min)	(C)	(md)	(md)			
7/3/00	11:40:19 AM	14.301	11.401	719.2	28.93	172.4169	167.3602	H40	1	
7/3/00	11:42:48 AM	12.761	11.401	469.0	29.23	254.9350	223.1861	H40	2	
7/3/00	11:46:47 AM	12.191	11.401	187.1	29.71	179.4798	152.4321	H40	3	

Sample Name	Field	Well	Depth	Diameter	Length	Operator				
permeability measurement (bottom)	Escalante, UT	#41 hole	4"	5/8"	4"	silong lu				
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	Atm. Press	Flow Rate	Temp.	old Perm.	new Perm.	Sample	Reading	
		(psia)	(psia)	(cc/min)	(C)	(md)	(md)			
7/3/00	11:50:08 AM	11.971	11.401	180.1	30.08	241.5598	213.8377	H41	1	
7/3/00	11:52:42 AM	12.411	11.401	481.7	30.38	358.3945	331.7317	H41	2	
7/3/00	11:55:10 AM	13.541	11.401	707.2	30.71	237.5909	242.0253	H41	3	

CLD, 12/16/02

Sample Name	Field	Well	Depth	Diameter	Length	Operator				
permeability measurement (bottom)	Escalante, UT	#42 hole	4"	5/8"	4"	silong lu				
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	Atm. Press	Flow Rate	Temp.	old Perm.	new Perm.	Sample	Reading	
		(psia)	(psia)	(cc/min)	(C)	(md)	(md)			
7/3/00	11:58:11 AM	14.171	11.401	708.9	31.05	179.3332	183.9140	H42	1	
7/3/00	11:59:59 AM	12.721	11.401	477.1	31.25	269.4183	249.7158	H42	2	
7/3/00	12:03:06 PM	12.161	11.401	195.3	31.48	196.1427	175.0383	H42	3	

Sample Name	Field	Well	Depth	Diameter	Length	Operator				
permeability measurement	Escalante, UT	#43 hole	4"	5/8"	4"	silong lu				
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	Atm. Press	Flow Rate	Temp.	old Perm.	new Perm.	Sample	Reading	
		(psia)	(psia)	(cc/min)	(C)	(md)	(md)			
7/3/00	12:06:50 PM	12.256	11.396	185.9	31.71	164.7126	161.8356	H43	1	
7/3/00	12:09:34 PM	12.936	11.396	491.4	31.91	236.6600	231.4084	H43	2	
7/3/00	12:10:52 PM	14.466	11.396	684.4	32.00	155.8300	170.5782	H43	3	

Sample Name	Field	Well	Depth	Diameter	Length	Operator				
permeability measurement (bottom)	Escalante, UT	#44 hole	4"	5/8"	4"	silong lu				
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	Atm. Press	Flow Rate	Temp.	old Perm.	new Perm.	Sample	Reading	
		(psia)	(psia)	(cc/min)	(C)	(md)	(md)			
7/3/00	12:14:12 PM	15.286	11.396	685.2	32.25	119.5116	139.1197	H44	1	
7/3/00	12:16:37 PM	13.346	11.396	481.1	32.43	180.3272	184.4929	H44	2	
7/3/00	12:19:09 PM	12.496	11.396	190.8	32.63	131.2684	126.5426	H44	3	

Sample Name	Field	Well	Depth	Diameter	Length	Operator				
permeability measurement	Escalante, UT	#45 hole	4"	5/8"	4"	silong lu				
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	Atm. Press	Flow Rate	Temp.	old Perm.	new Perm.	Sample	Reading	
		(psia)	(psia)	(cc/min)	(C)	(md)	(md)			
7/3/00	12:23:17 PM	11.836	11.396	201.7	32.88	356.8268	328.2608	H45	1	
7/3/00	12:25:02 PM	12.186	11.396	480.4	33.03	466.6733	443.2886	H45	2	
7/3/00	12:26:47 PM	13.246	11.396	740.8	33.12	294.5021	304.7502	H45	3	

CLD, 12/16/02

Sample Name	Field	Well	Depth	Diameter	Length	Operator			
permeability measurement	Escalante, UT	#46 hole	4"	5/8"	4"	silong lu			
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	Atm. Press	Flow Rate	Temp.	old Perm.	new Perm.	Sample	Reading
		(psia)	(psia)	(cc/min)	(C)	(md)	(md)		
7/3/00	12:30:38 PM	13.156	11.396	705.6	33.34	296.1213	306.1710	H46	1
7/3/00	12:34:26 PM	12.186	11.396	470.1	33.60	457.5631	441.6707	H46	2
7/3/00	12:38:12 PM	11.836	11.396	201.5	33.85	357.6151	337.6098	H46	3
Sample Name	Field	Well	Depth	Diameter	Length	Operator			
permeability measurement	Escalante, UT	#47 revisited	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	Atm. Press	Flow Rate	Temp.	old Perm.	new Perm.	Sample	Reading
		(psia)	(psia)	(cc/min)	(C)	(md)	(md)		
7/7/00	3:29:46 PM	12.476	11.416	741.6	37.20	536.5834	529.4304	H47	1
7/7/00	3:31:45 PM	11.826	11.416	456.3	37.20	876.8933	820.6409	H47	2
7/7/00	3:33:21 PM	11.746	11.416	365.4	37.17	875.2974	813.0932	H47	3
Sample Name	Field	Well	Depth	Diameter	Length	Operator			
permeability measurement	Escalante, UT	#48 revisited	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	Atm. Press	Flow Rate	Temp.	old Perm.	new Perm.	Sample	Reading
		(psia)	(psia)	(cc/min)	(C)	(md)	(md)		
7/7/00	3:22:46 PM	11.766	11.416	242.8	37.28	548.1122	511.3447	H48	1
7/7/00	3:24:02 PM	12.016	11.416	462.6	37.28	602.8257	574.1959	H48	2
7/7/00	3:26:56 PM	12.956	11.416	734.0	37.20	358.5105	367.1785	H48	3
Sample Name	Field	Well	Depth	Diameter	Length	Operator			
permeability measurement	Escalante, UT	#49 revisited	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	Atm. Press	Flow Rate	Temp.	old Perm.	new Perm.	Sample	Reading
		(psia)	(psia)	(cc/min)	(C)	(md)	(md)		
7/7/00	3:14:37 PM	12.746	11.416	709.6	37.40	404.9895	410.0661	H49	1
7/7/00	3:16:13 PM	11.996	11.416	490.4	37.36	661.8113	630.5311	H49	2
7/7/00	3:19:33 PM	11.736	11.416	246.8	37.28	610.1455	567.7824	H49	3

CLD, 12/16/02

Sample Name	Field	Well	Depth	Diameter	Length	Operator			
permeability measurement (top)	Escalante, UT	H50 revisited	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	Atm. Press	Flow Rate	Temp.	old Perm.	new Perm.	Sample	Reading
		(psia)	(psia)	(cc/min)	(C)	(md)	(md)		
7/7/00	3:06:50 PM	11.896	11.416	198.5	37.50	325.2888	309.0240	H50	1
7/7/00	3:08:38 PM	12.296	11.416	456.4	37.56	401.1904	393.5170	H50	2
7/7/00	3:10:41 PM	13.566	11.416	709.6	37.5	242.5597	261.8245	H50	3
Sample Name	Field	Well	Depth	Diameter	Length	Operator			
permeability measurement (bottom)	Escalante, UT	#51 hole	4"	5/8"	4"	silong lu			
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	Atm. Press	Flow Rate	Temp.	old Perm.	new Perm.	Sample	Reading
		(psia)	(psia)	(cc/min)	(C)	(md)	(md)		
7/3/00	1:36:09 PM	12.096	11.386	204.0	35.32	222.0914	215.0152	H51	1
7/3/00	1:39:39 PM	12.586	11.386	470.9	35.29	297.2198	299.6560	H51	2
7/3/00	1:42:19 PM	13.986	11.386	714.4	35.25	196.8724	219.6019	H51	3
Sample Name	Field	Well	Depth	Diameter	Length	Operator			
permeability measurement	Escalante, UT	#52 hole	4"	5/8"	4"	silong lu			
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	Atm. Press	Flow Rate	Temp.	old Perm.	new Perm.	Sample	Reading
		(psia)	(psia)	(cc/min)	(C)	(md)	(md)		
7/3/00	1:50:06 PM	13.756	11.386	700.8	35.05	214.3395	233.2363	H52	1
7/3/00	1:52:33 PM	12.496	11.386	465.0	35.06	319.2306	315.5501	H52	2
7/3/00	1:55:57 PM	12.016	11.386	181.2	35.06	223.5573	212.5997	H52	3
Sample Name	Field	Well	Depth	Diameter	Length	Operator			
permeability measurement	Escalante, UT	#53 hole	4"	5/8"	4"	silong lu			
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	Atm. Press	Flow Rate	Temp.	old Perm.	new Perm.	Sample	Reading
		(psia)	(psia)	(cc/min)	(C)	(md)	(md)		
7/3/00	1:59:21 PM	12.501	11.381	212.8	35.05	144.7509	149.0155	H53	1
7/3/00	2:01:25 PM	13.331	11.381	498.3	35.03	188.3203	206.5450	H53	2
7/3/00	2:03:57 PM	15.261	11.381	695.6	35.03	122.7660	153.9995	H53	3

CLD, 12/16/02

Sample Name	Field	Well	Depth	Diameter	Length	Operator				
permeability measurement	Escalante, UT	#54 hole	4"	5/8"	4"	silong lu				
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	Atm. Press	Flow Rate	Temp.	old Perm.	new Perm.	Sample	Reading	
		(psia)	(psia)	(cc/min)	(C)	(md)	(md)			
7/3/00	2:06:03 PM	13.461	11.381	694.4	35.08	243.9519	261.0158	H54	1	
7/3/00		12.381	11.381	453.0	35.10	361.0000	340.7596	H54	2	
7/3/00	2:13:25 PM	11.921	11.381	173.8	35.17	250.4021	238.1869	H54	3	
Sample Name	Field	Well	Depth	Diameter	Length	Operator				
permeability measurement	Escalante, UT	#55 hole	4"	5/8"	4"	silong lu				
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	Atm. Press	Flow Rate	Temp.	old Perm.	new Perm.	Sample	Reading	
		(psia)	(psia)	(cc/min)	(C)	(md)	(md)			
7/3/00	2:14:00 PM	11.981	11.381	204	35.3	264.0831	253.1667	H55	1	
7/3/00		12.411	11.381	469	35.3	347.3881	344.8706	H55	2	
7/3/00	2:27:00 PM	13.571	11.381	690	35.4	229.5963	249.5081	H55	3	
Sample Name	Field	Well	Depth	Diameter	Length	Operator				
permeability measurement	Escalante, UT	h56	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	30.0	0.0179						
Date	Time	Flow Press	Atm. Press	Flow Rate	Temp.	old Perm.	new Perm.	Sample	Reading	
		(psia)	(psia)	(cc/min)	(C)	(md)	(md)			
7/13/00	11:04:50 AM	14.739	11.499	739.6	33.99	159.0138	151.1661	H56	1	
7/13/00	11:06:18 AM	12.919	11.499	466.0	34.08	245.4506	205.2248	H56	2	
7/13/00	11:08:03 AM	12.389	11.499	221.2	34.18	190.0138	152.8050	H56	3	
Sample Name	Field	Well	Depth	Diameter	Length	Operator				
permeability measurement	Escalante, UT	#57 hole	4"	5/8"	4"	silong lu				
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	Atm. Press	Flow Rate	Temp.	old Perm.	new Perm.	Sample	Reading	
		(psia)	(psia)	(cc/min)	(C)	(md)	(md)			
7/3/00	2:27:48 PM	13.541	11.381	718.4	35.45	242.5656	263.4915	H57	1	
7/3/00	2:30:58 PM	12.321	11.381	450.4	35.52	367.0532	363.8936	H57	2	
7/3/00	2:34:00 PM	11.911	11.381	179.3	35.57	263.6521	253.1044	H57	3	

CLD, 12/16/02