

Appendix 5-A. Spectral gamma-ray logging data correlations

Appendix 5-A. Correlation Coefficient Summary Table

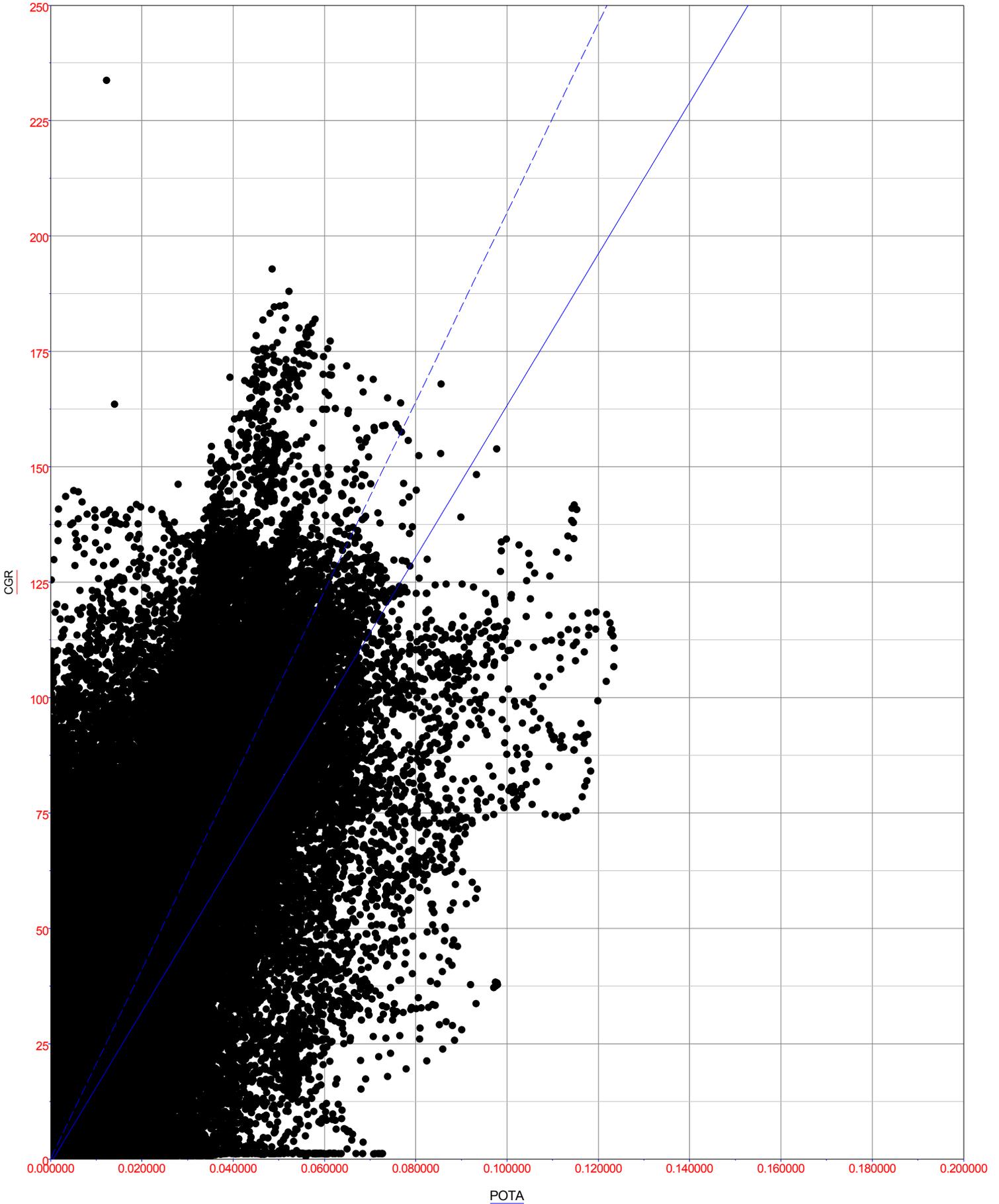
Well Name	GR vs POTA	GR vs URAN	GR vs THOR	GR vs KTh	TOC vs GR	TOC vs POTA	TOC vs URAN	TOC vs THOR	TOC vs RHOB
All Wells in Study*	0.588	0.285	0.447	0.981	-0.008	-0.251	0.101	0.122	-0.304
All Core Data (Scanned Core)	0.631	0.307	0.201	0.982	-0.014	-0.260	0.098	0.126	-0.363
Active Area (Eastern OH, Northwestern PA)*	0.879	0.597	0.889	0.961	-0.099	-0.266	0.238	0.201	-0.295
Inactive Area (Western OH, KY, NY, PA, and WV)*	0.597	0.253	0.334	0.998	0.117	-0.246	-0.141	-0.116	-0.252
Bender_KY139	0.483	0.106	0.185	0.995	0.250	0.255	-0.144	0.041	Null
Burchell_KY209	0.464	0.308	0.065	0.993	-0.424	-0.267	-0.069	0.201	Null
Aristech_OH3409	0.853	0.454	0.377	0.999	-0.441	-0.384	-0.149	-0.137	0.092
Power Oil_OH768	0.667	0.126	0.078	0.999	-0.280	-0.335	0.019	-0.195	Null
Mineral_NY74-NY-5	0.250	0.231	0.055	0.987	0.441	-0.153	-0.029	-0.013	Null
Hershberger Devon Data*	0.978	0.957	0.972	0.980	-0.164	-0.199	-0.128	-0.221	-0.714
Chumney Family Devon Data*	0.976	0.865	0.967	0.981	-0.214	-0.328	0.033	-0.273	-0.629
Richman Farms Devon Data*	0.976	0.946	0.963	0.979	-0.019	-0.070	0.069	0.074	-0.734
Georgetown Marine_OH5073 (Sample)*	0.944	0.249	0.908	0.954	-0.345	-0.282	-0.133	-0.567	0.317
Howerton_OH2535	0.626	0.271	0.124	0.995	-0.372	-0.161	0.001	-0.151	Null
J.Goins_OH2626	0.744	0.313	0.134	0.998	-0.231	-0.377	0.416	0.231	Null
Mull Edith_OH3890 (Sample)*	Null	Null	Null	Null	0.317	Null	Null	Null	-0.432
Prudential_OH3372	0.89	0.427	0.289	0.999	-0.579	-0.523	-0.283	-0.268	Null

Table shows the correlation coefficient for each crossplot of Gamma Ray (GR), Potassium (POTA), Uranium (URAN), Thorium (THOR), Potassium & Thorium Gamma Ray (KTh), Total Organic Carbon (TOC), and Density (RHOB). * denotes wells that have density crossplots.

Utica Consortium
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Active Well Regression Analysis Equations:
 $y = -0.848205 + 1641.920044x$ $r = 0.522229$

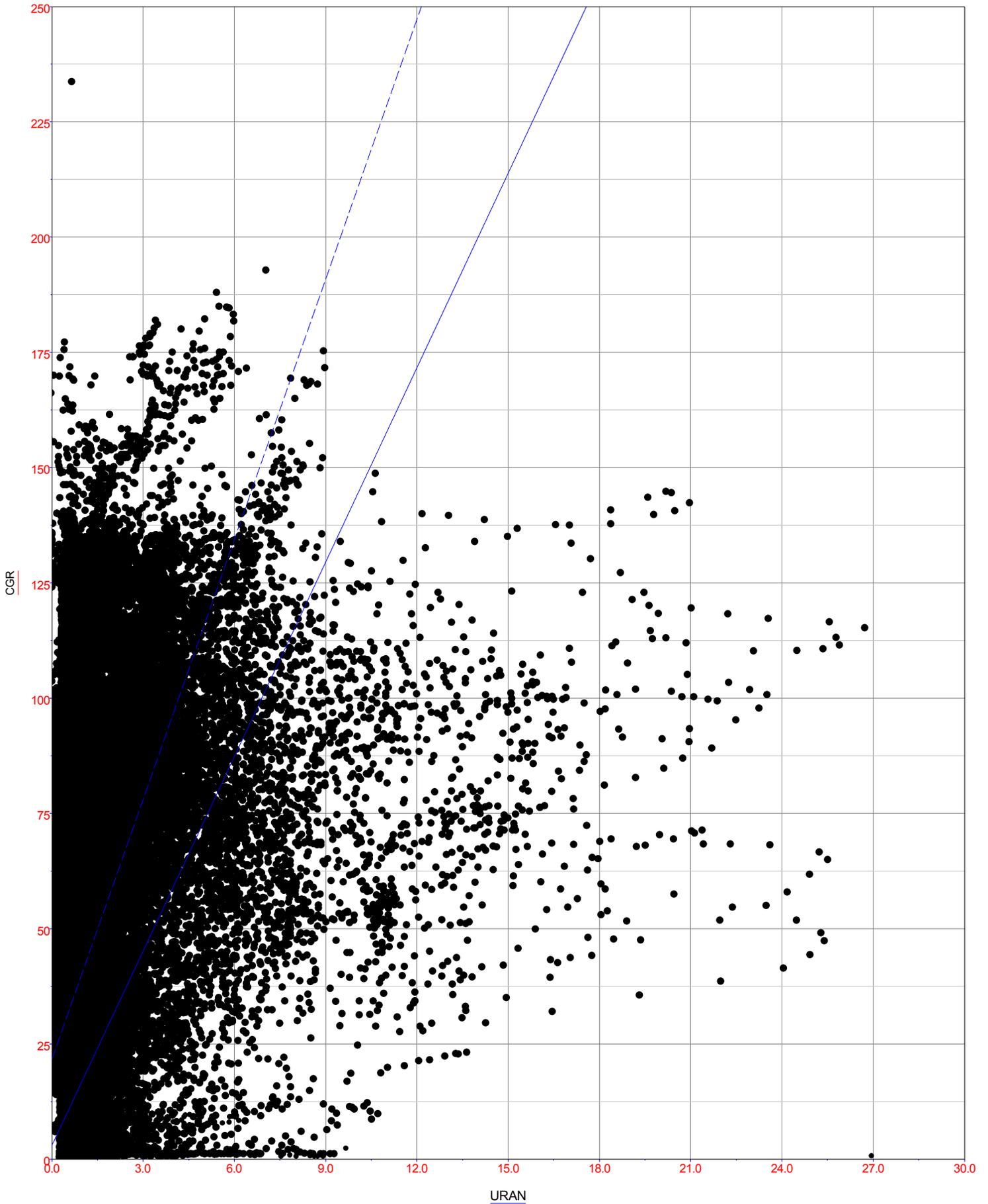
Multi-Well Regression Analysis Equations:
 $y = 0.134882 + 2050.587646x$ $r = 0.588304$



Utica Consortium All Wells In Study CGR v URAN

Active Well Regression Analysis Equations:
 $y = 3.002050 + 14.061654x$ $r = 0.106316$

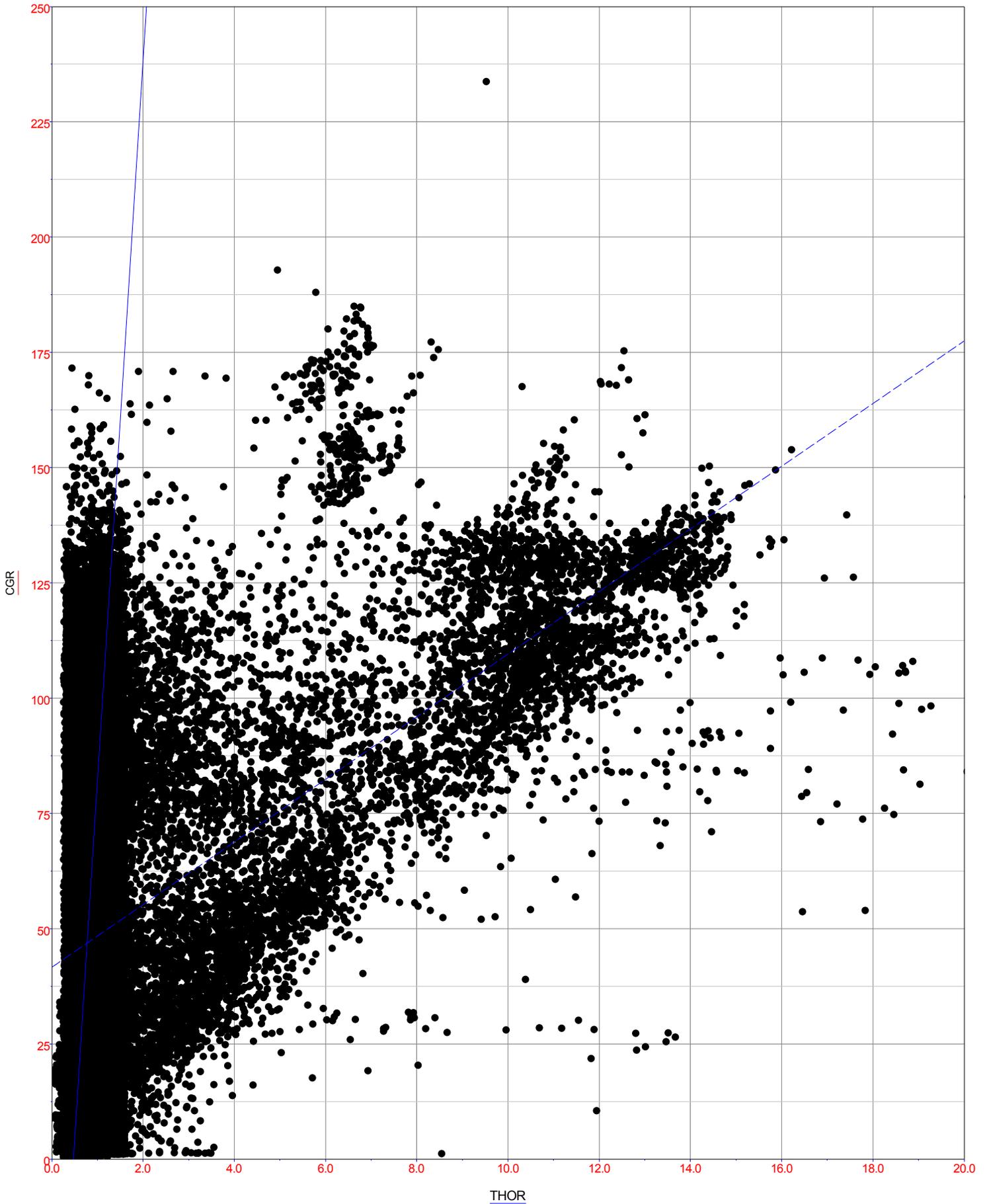
Multi-Well Regression Analysis Equations:
 $y = 21.672476 + 18.805279x$ $r = 0.285117$



Utica Consortium All Wells In Study CGR v THOR

Active Well Regression Analysis Equations:
 $y = -73.618851 + 156.244827x$ $r = 0.003234$

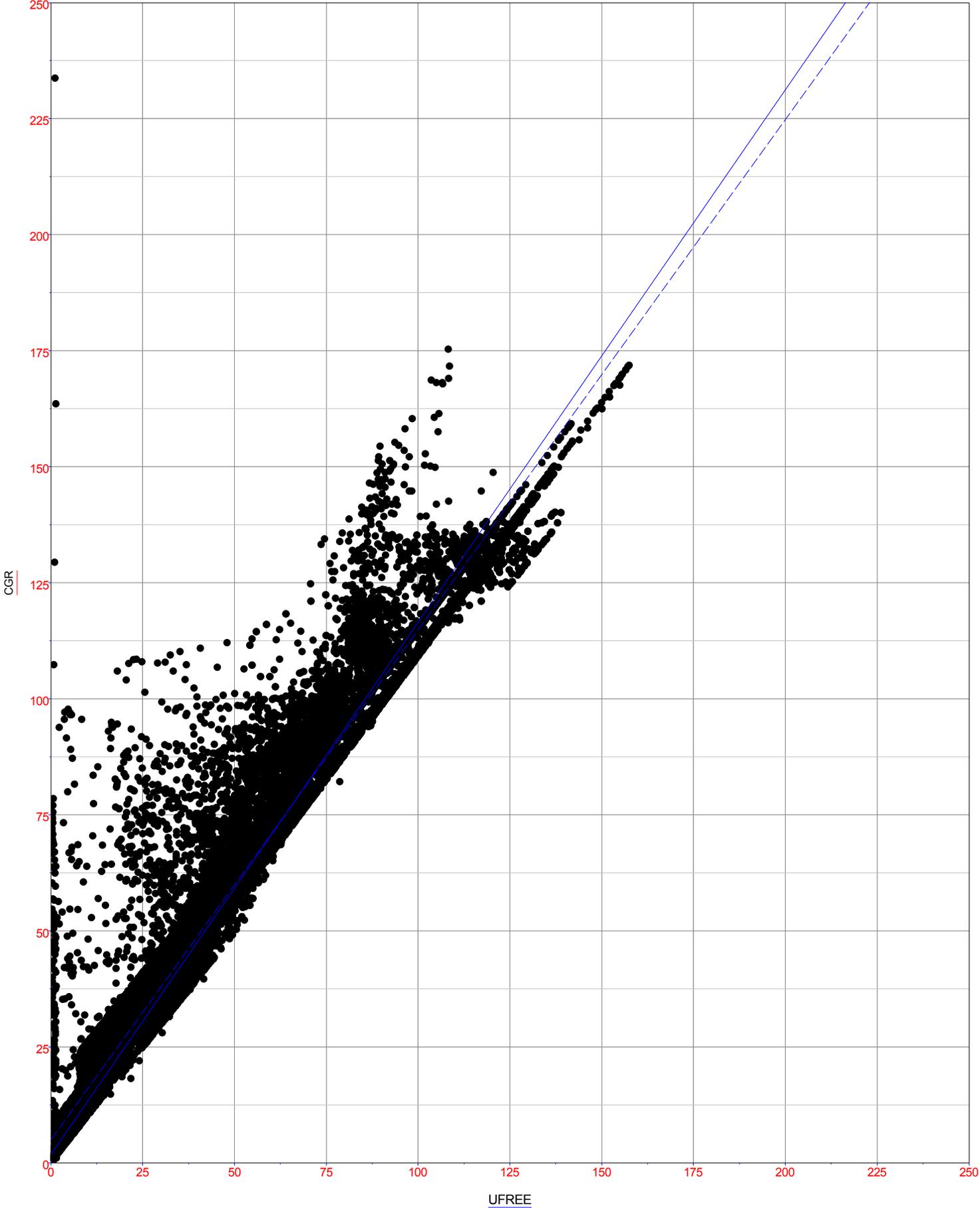
Multi-Well Regression Analysis Equations:
 $y = 41.623333 + 6.794161x$ $r = 0.446976$



Utica Consortium
All Wells In Study
CGR v KTh

Active Well Regression Analysis Equations:
 $y = 1.832497 + 1.147267x$ $r = 0.995167$

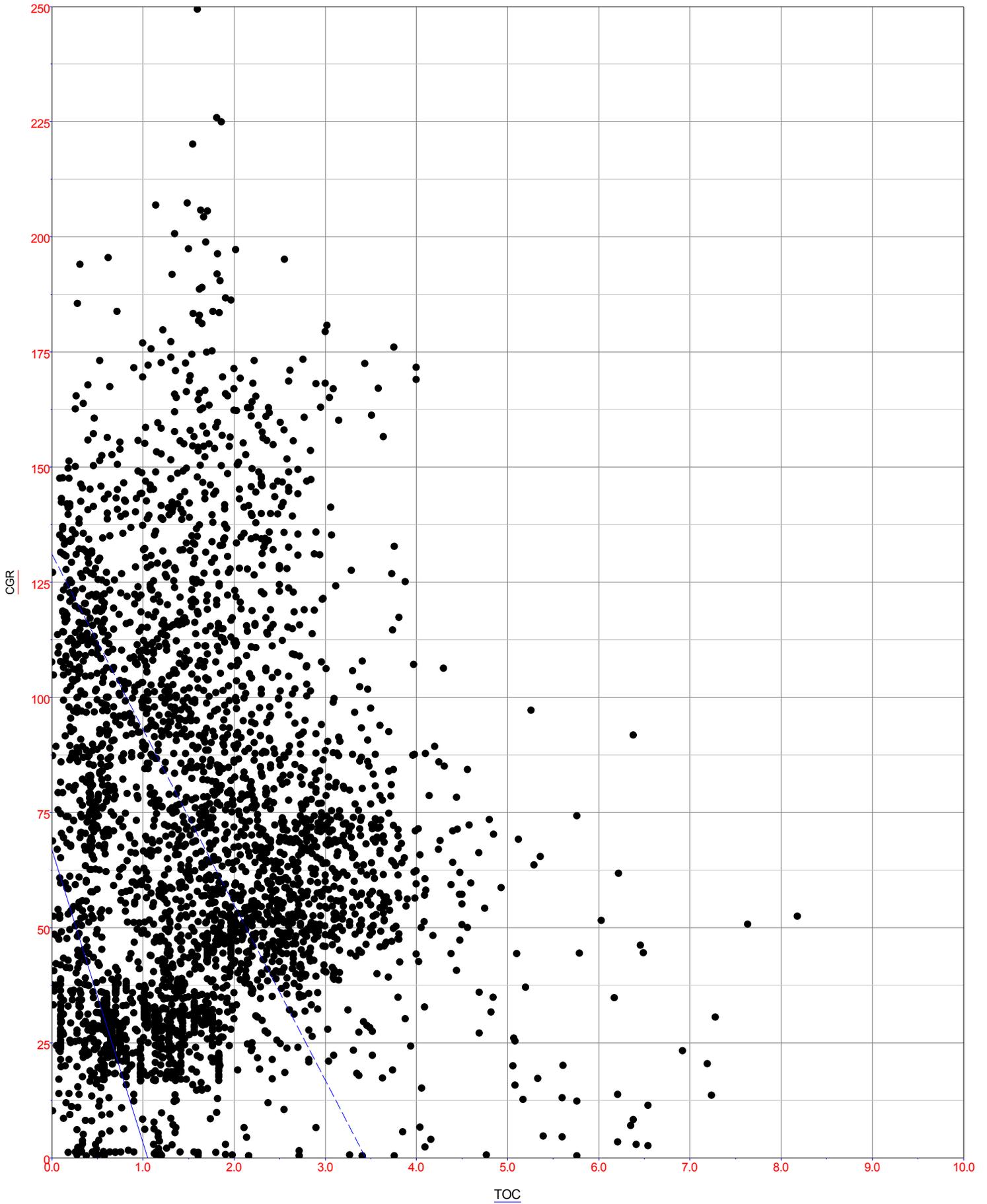
Multi-Well Regression Analysis Equations:
 $y = 4.963918 + 1.099480x$ $r = 0.981618$



Utica Consortium All Wells in Study CGR v TOC

Active Well Regression Analysis Equations:
 $y = 66.911476 - 63.743423x$ $r = -0.424979$

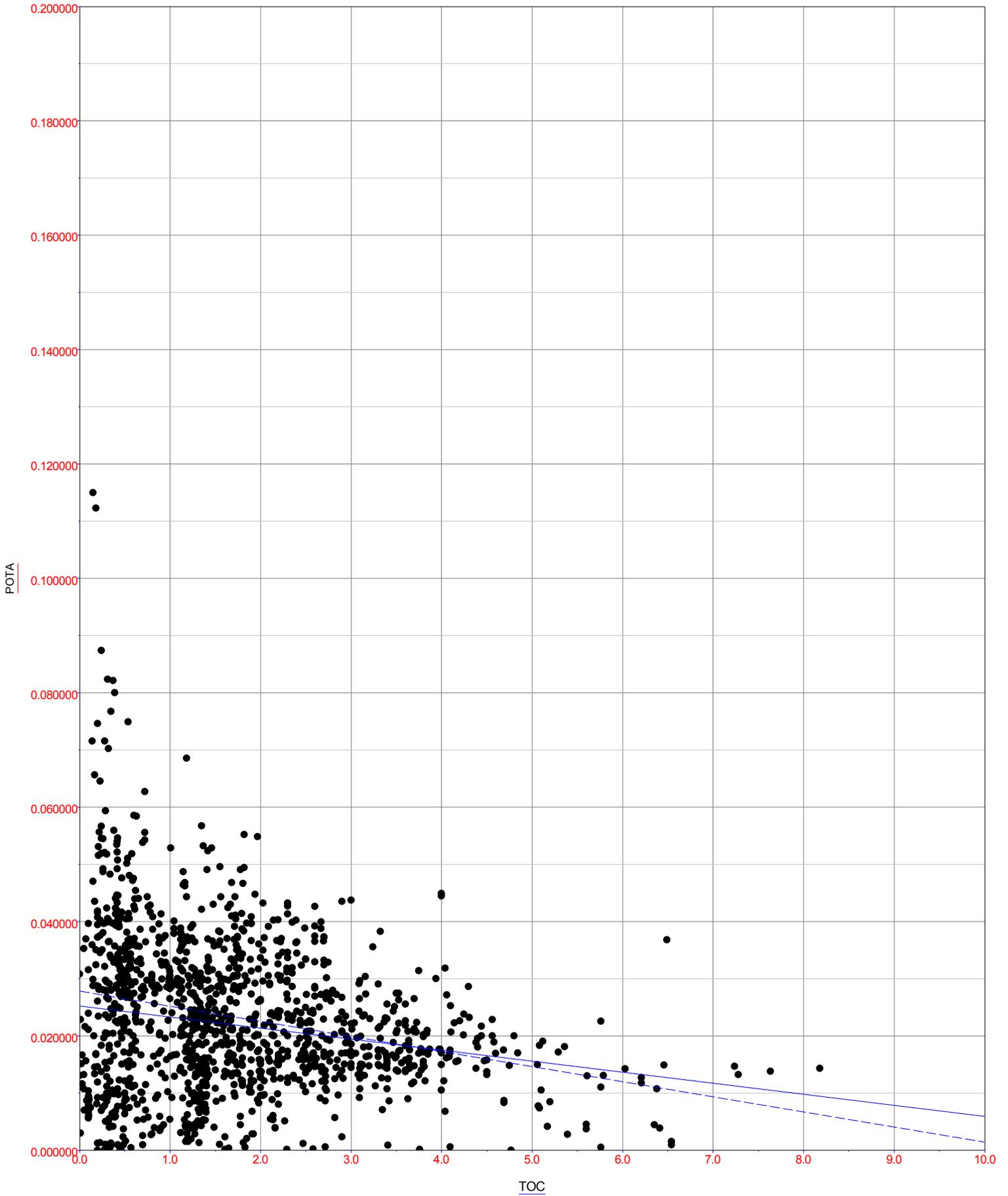
Multi-Well Regression Analysis Equations:
 $y = 131.071472 - 38.092655x$ $r = -0.008281$



Utica Consortium All Wells in Study POTA v TOC

Active Well Regression Analysis Equations:
 $y = 0.025204 - 0.001931x$ $r = -0.328959$

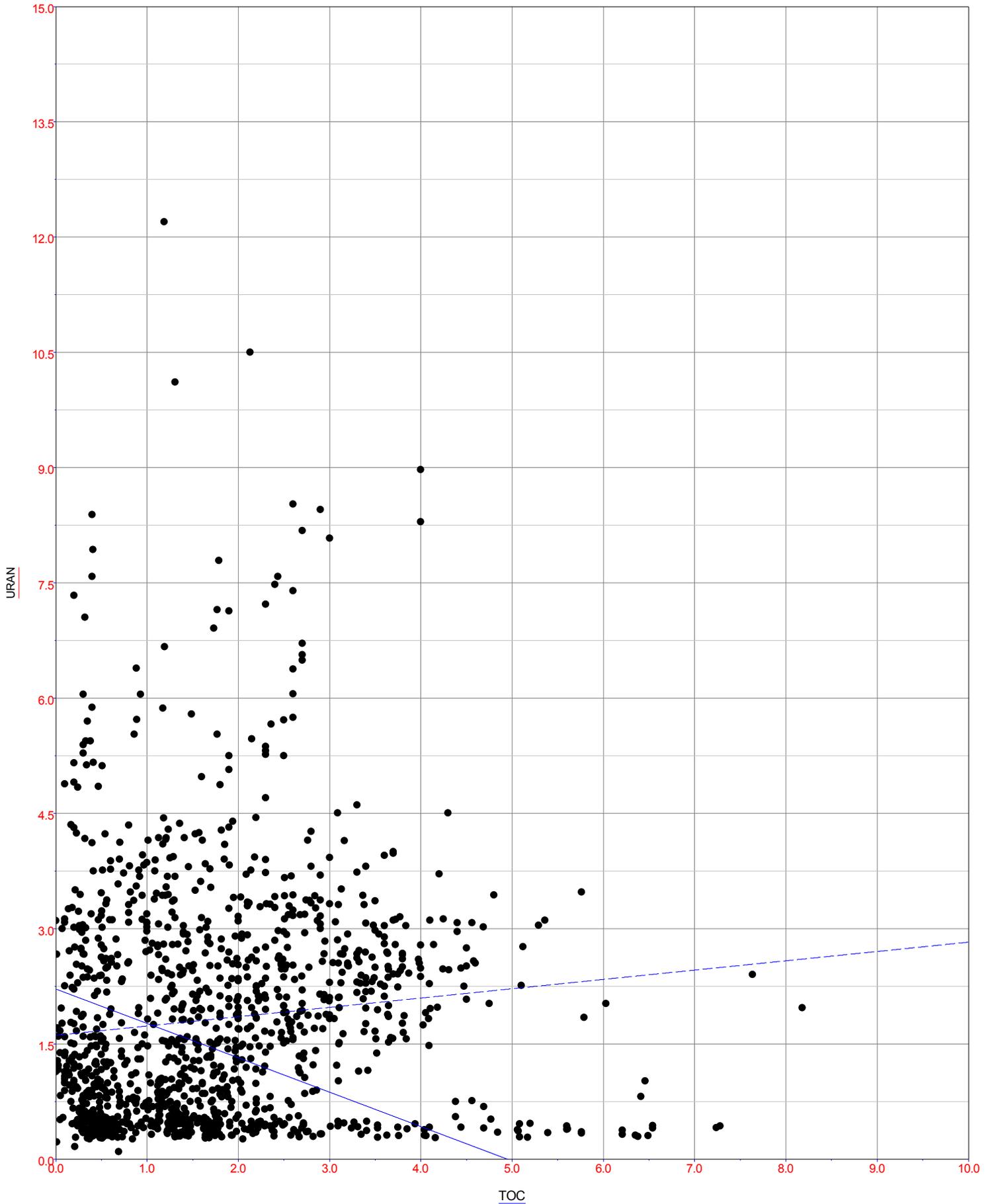
Multi-Well Regression Analysis Equations:
 $y = 0.027796 - 0.002641x$ $r = -0.251783$



Utica Consortium All Wells in Study URAN v TOC

Active Well Regression Analysis Equations:
 $y = 2.212229 - 0.447541x$ $r = -0.069411$

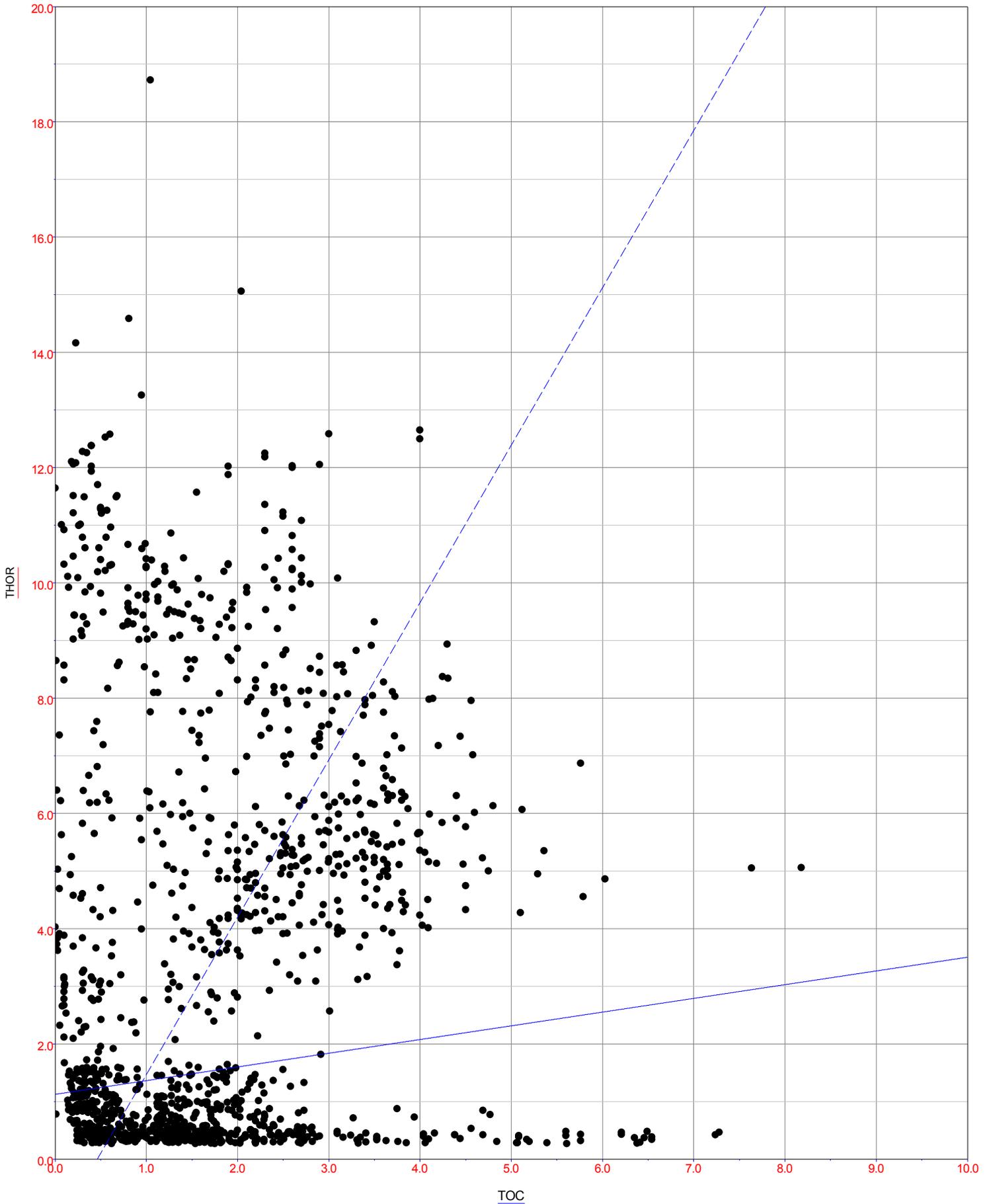
Multi-Well Regression Analysis Equations:
 $y = 1.611090 + 0.121218x$ $r = 0.101304$



Utica Consortium All Wells in Study THOR v TOC

Active Well Regression Analysis Equations:
 $y = 1.123127 + 0.237976x$ $r = 0.201727$

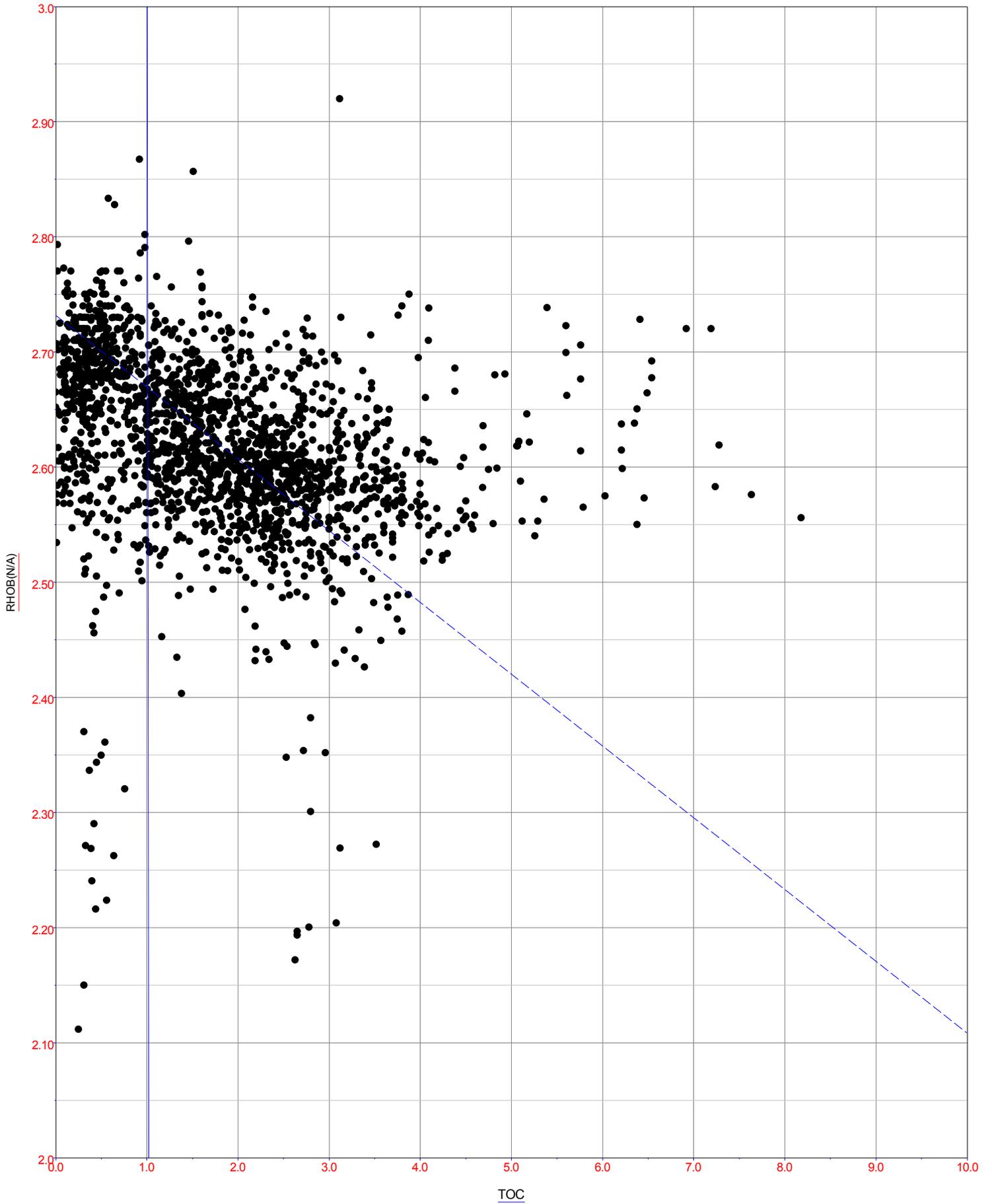
Multi-Well Regression Analysis Equations:
 $y = -1.259476 + 2.731035x$ $r = 0.122417$



Utica Consortium All Wells in Study RHOB v TOC

Active Well Regression Analysis Equations:

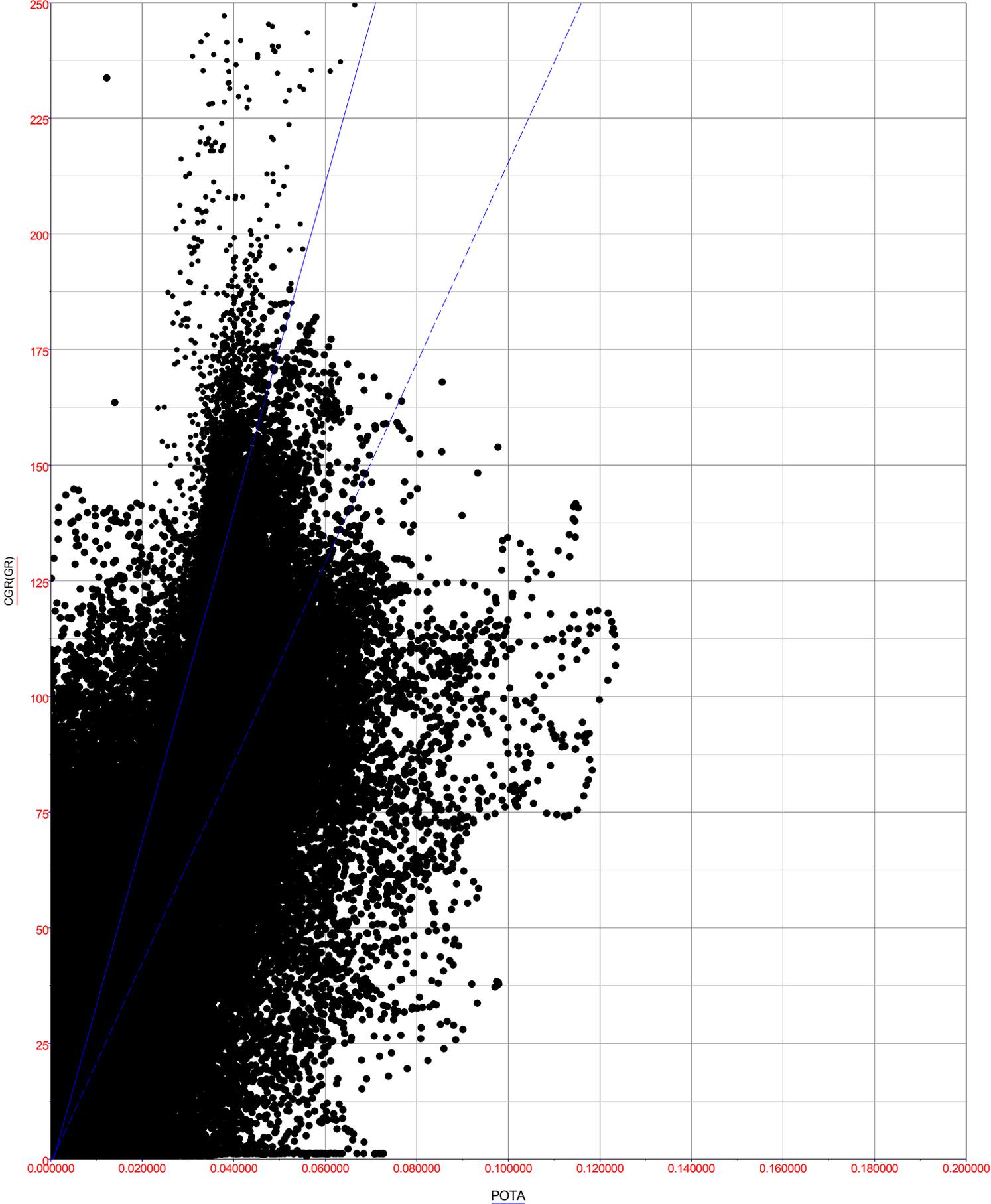
Multi-Well Regression Analysis Equations:
 $y = 2.731761 - 0.062361x$ $r = -0.304535$



Utica Consortium
Core Data
CGR v POTA

Active Well Regression Analysis Equations:
 $y = -2.237667 + 3554.072510x$ $r = 0.938006$

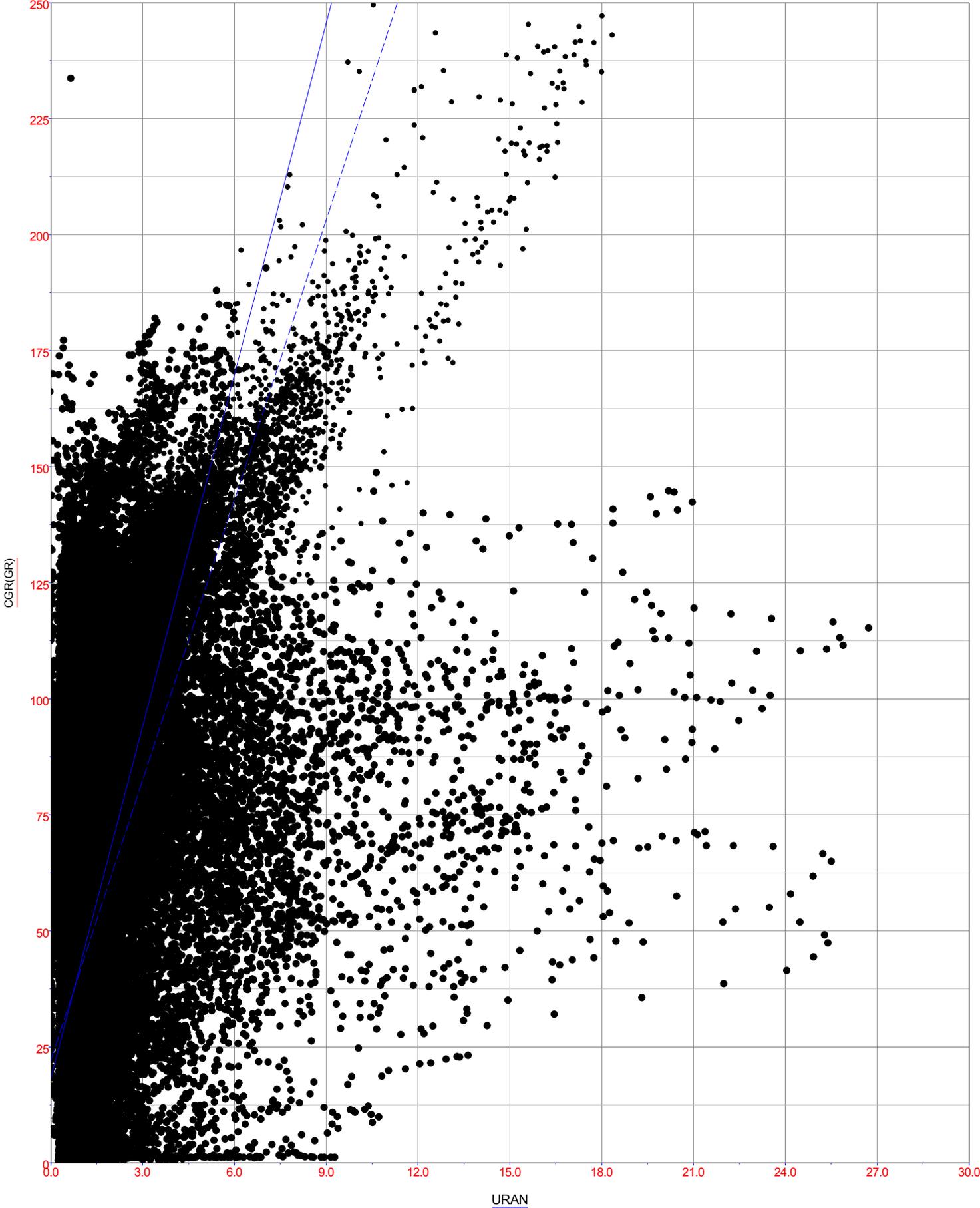
Multi-Well Regression Analysis Equations:
 $y = -0.830174 + 2163.376465x$ $r = 0.631143$



Utica Consortium Core Data CGR v URAN

Active Well Regression Analysis Equations:
 $y = 18.382547 + 25.265284x$ $r = 0.827065$

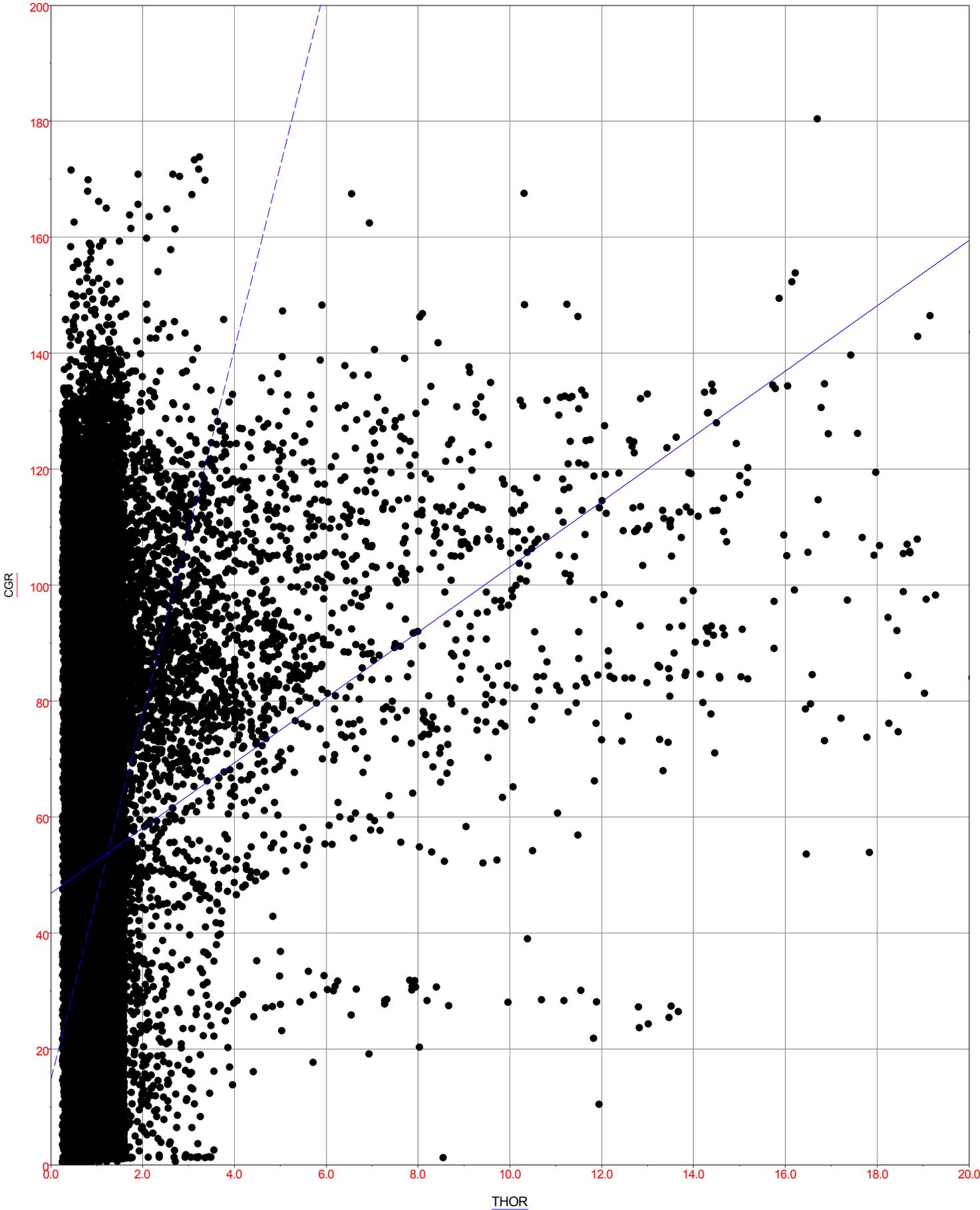
Multi-Well Regression Analysis Equations:
 $y = 22.185350 + 20.128592x$ $r = 0.307747$



Utica Consortium Core Data CGR v THOR

Active Well Regression Analysis Equations:
 $y = 34.320503 + 6.256797x$ $r = 0.226456$

Multi-Well Regression Analysis Equations:
 $y = 14.695684 + 31.548689x$ $r = 0.201264$



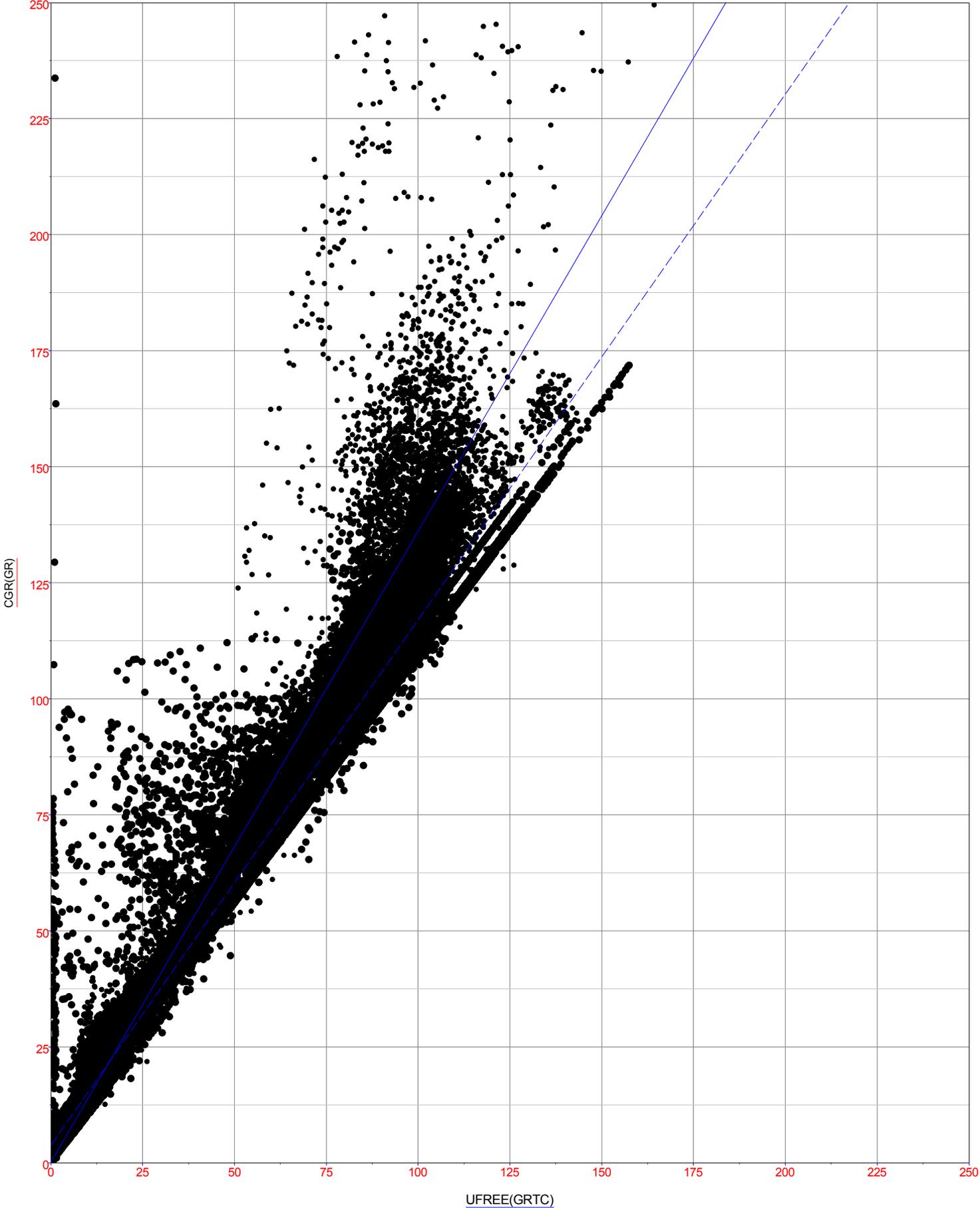
Utica Consortium

Core Data

CGR v KTh

Active Well Regression Analysis Equations:
 $y = 0.153202 + 1.359893x$ $r = 0.955095$

Multi-Well Regression Analysis Equations:
 $y = 3.750319 + 1.132995x$ $r = 0.982609$



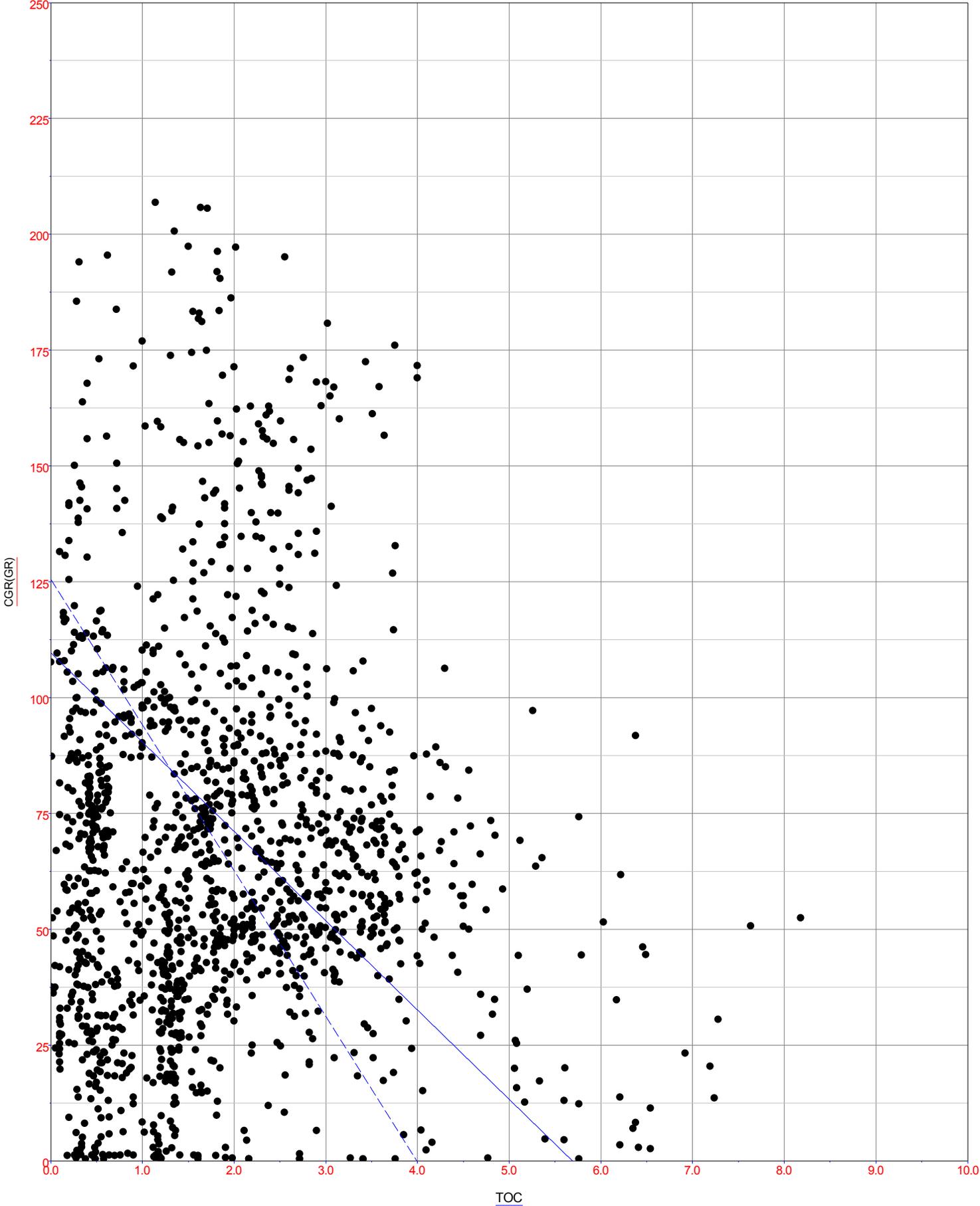
Utica Consortium

Core Data

CGR v TOC

Active Well Regression Analysis Equations:
 $y = 109.626350 - 19.278008x$ $r = -0.214486$

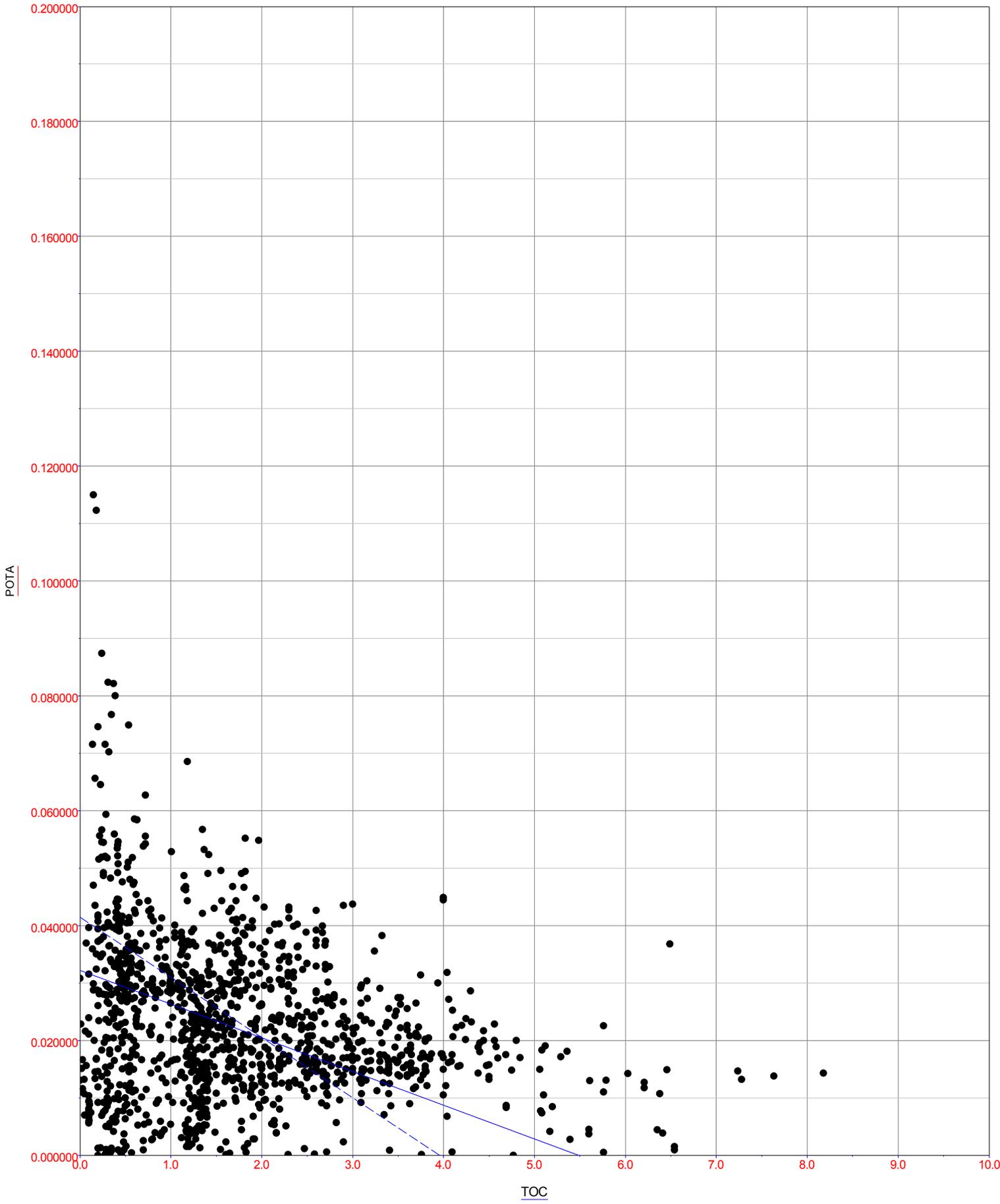
Multi-Well Regression Analysis Equations:
 $y = 125.506027 - 31.458143x$ $r = -0.014376$



Utica Consortium
Core Data
POTA v TOC

Active Well Regression Analysis Equations:
 $y = 0.032180 - 0.005871x$ $r = -0.328959$

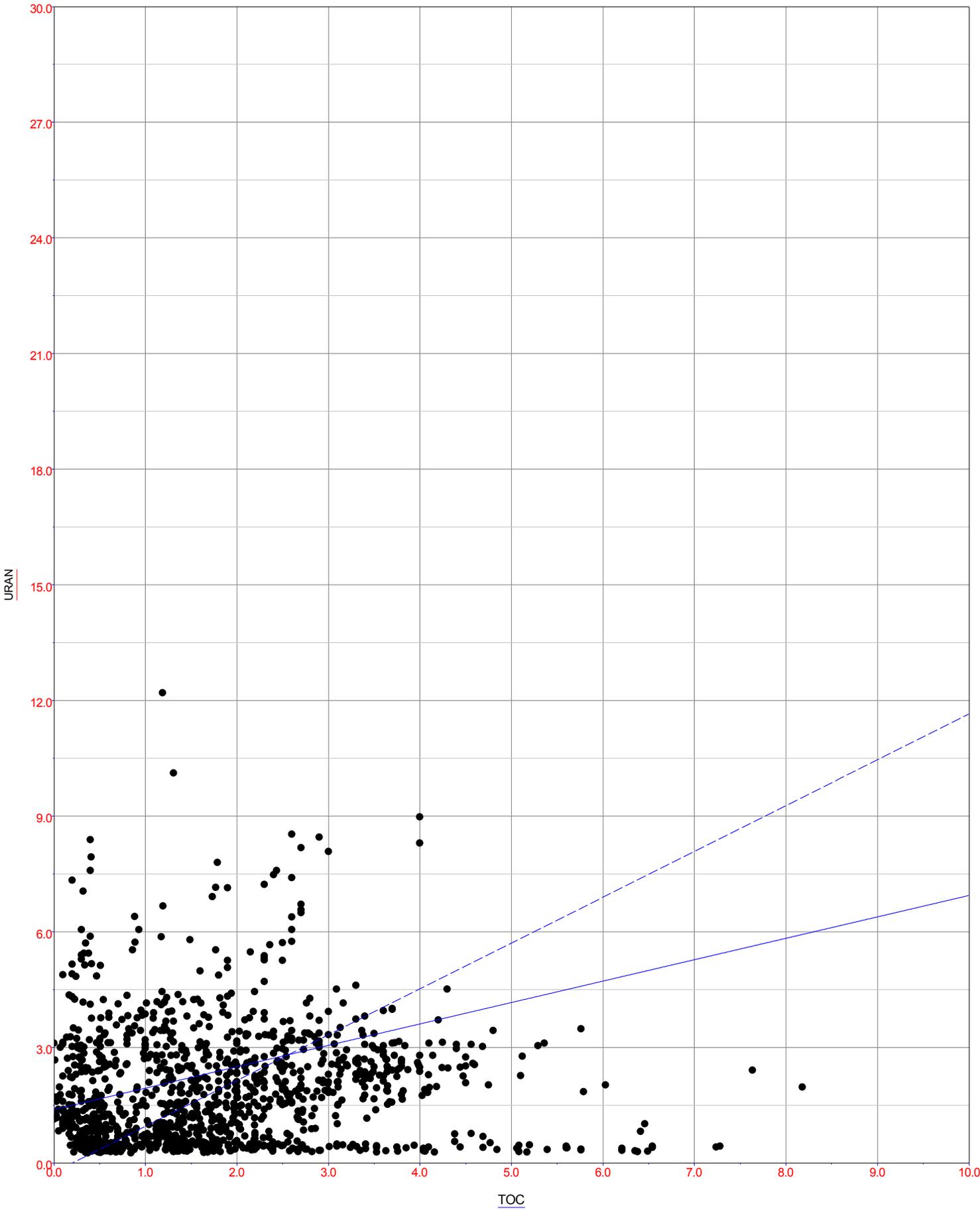
Multi-Well Regression Analysis Equations:
 $y = 0.041445 - 0.010484x$ $r = -0.260540$



Utica Consortium Core Data URAN v TOC

Active Well Regression Analysis Equations:
 $y = 1.385533 + 0.555540x$ $r = 0.033970$

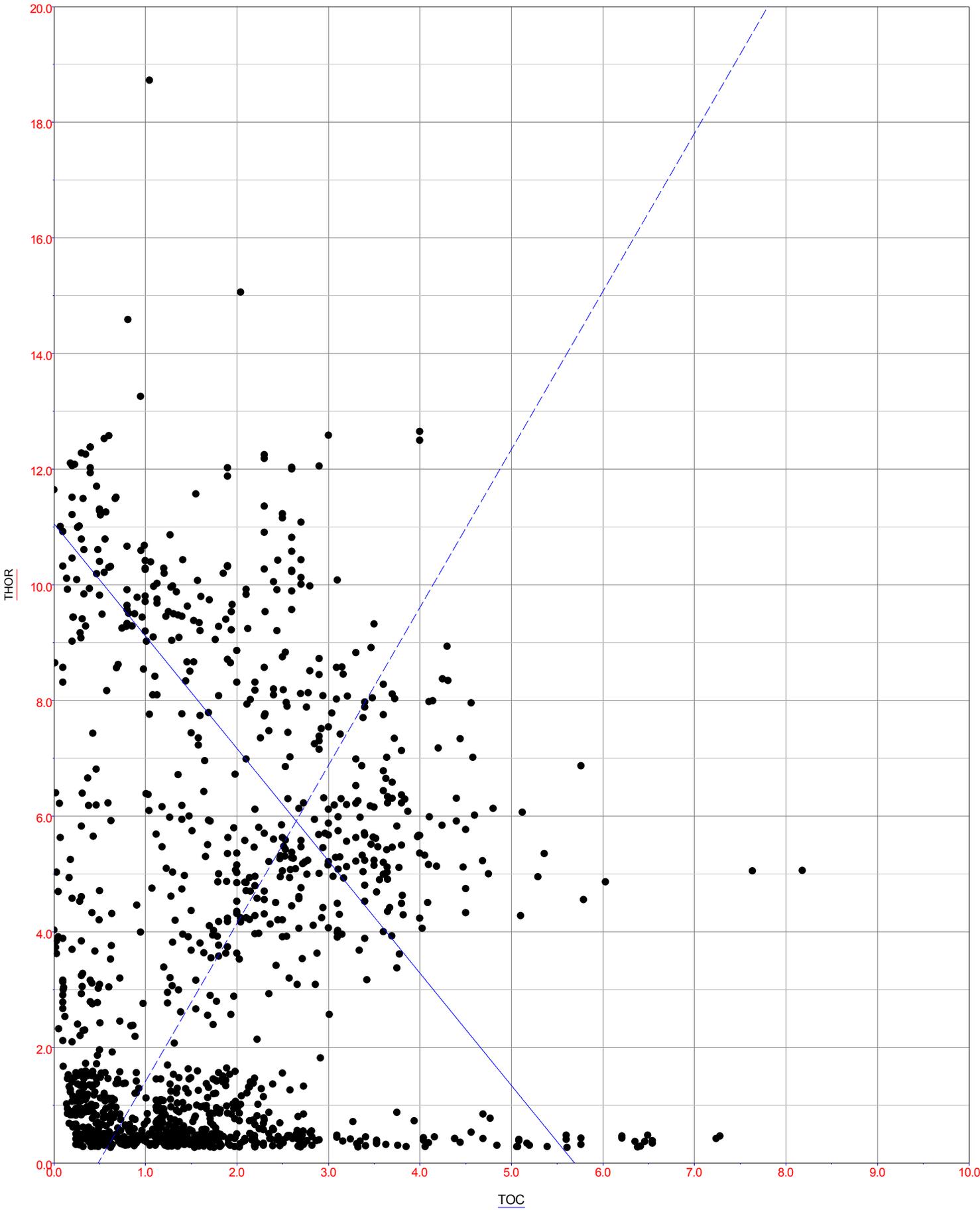
Multi-Well Regression Analysis Equations:
 $y = -0.237076 + 1.188851x$ $r = 0.098088$



Utica Consortium
Core Data
THOR v TOC

Active Well Regression Analysis Equations:
 $y = 11.052196 - 1.943636x$ $r = -0.273885$

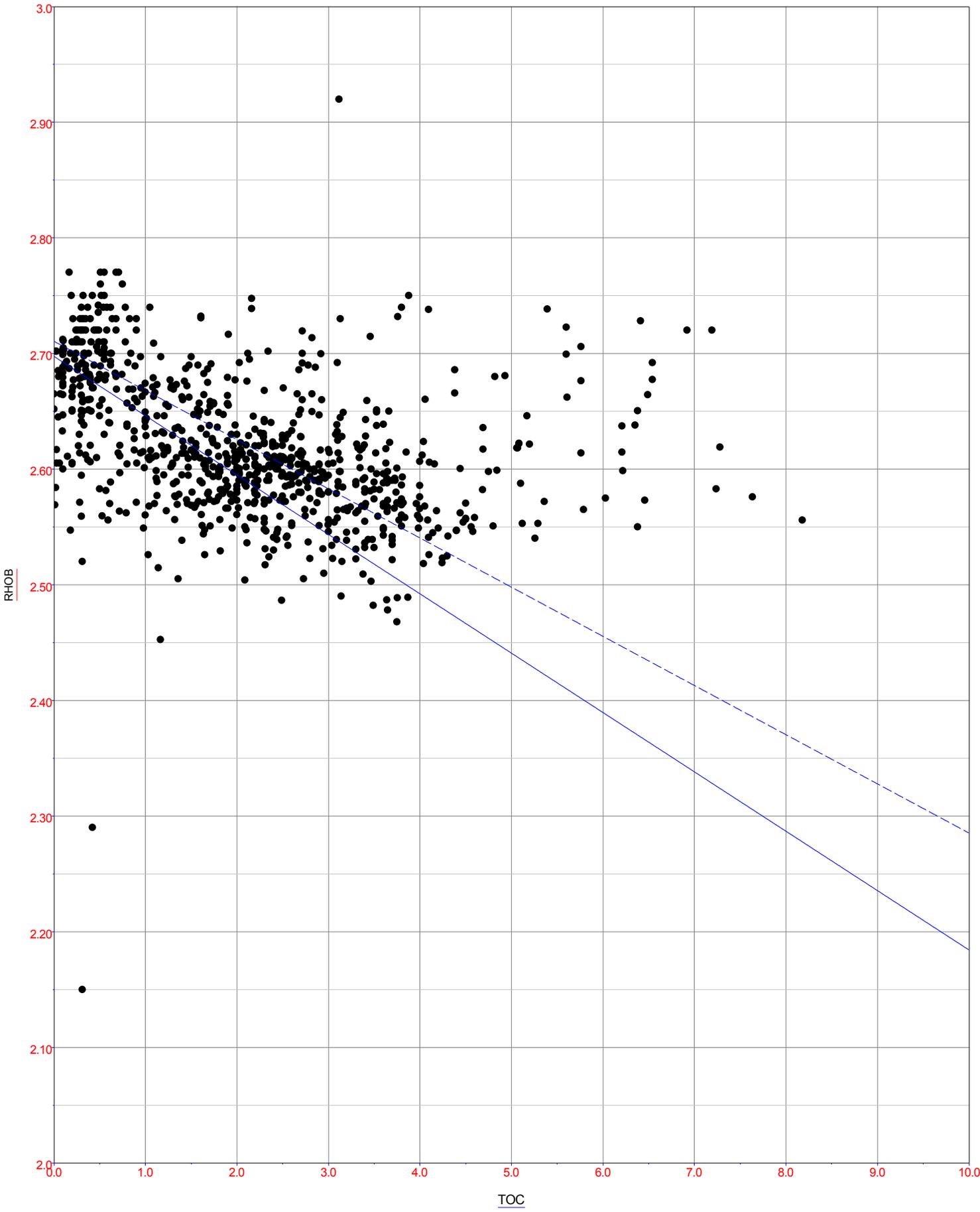
Multi-Well Regression Analysis Equations:
 $y = -1.317575 + 2.733277x$ $r = 0.126228$



Utica Consortium Core Data RHOB v TOC

Active Well Regression Analysis Equations:
 $y = 2.697451 - 0.051339x$ $r = -0.629245$

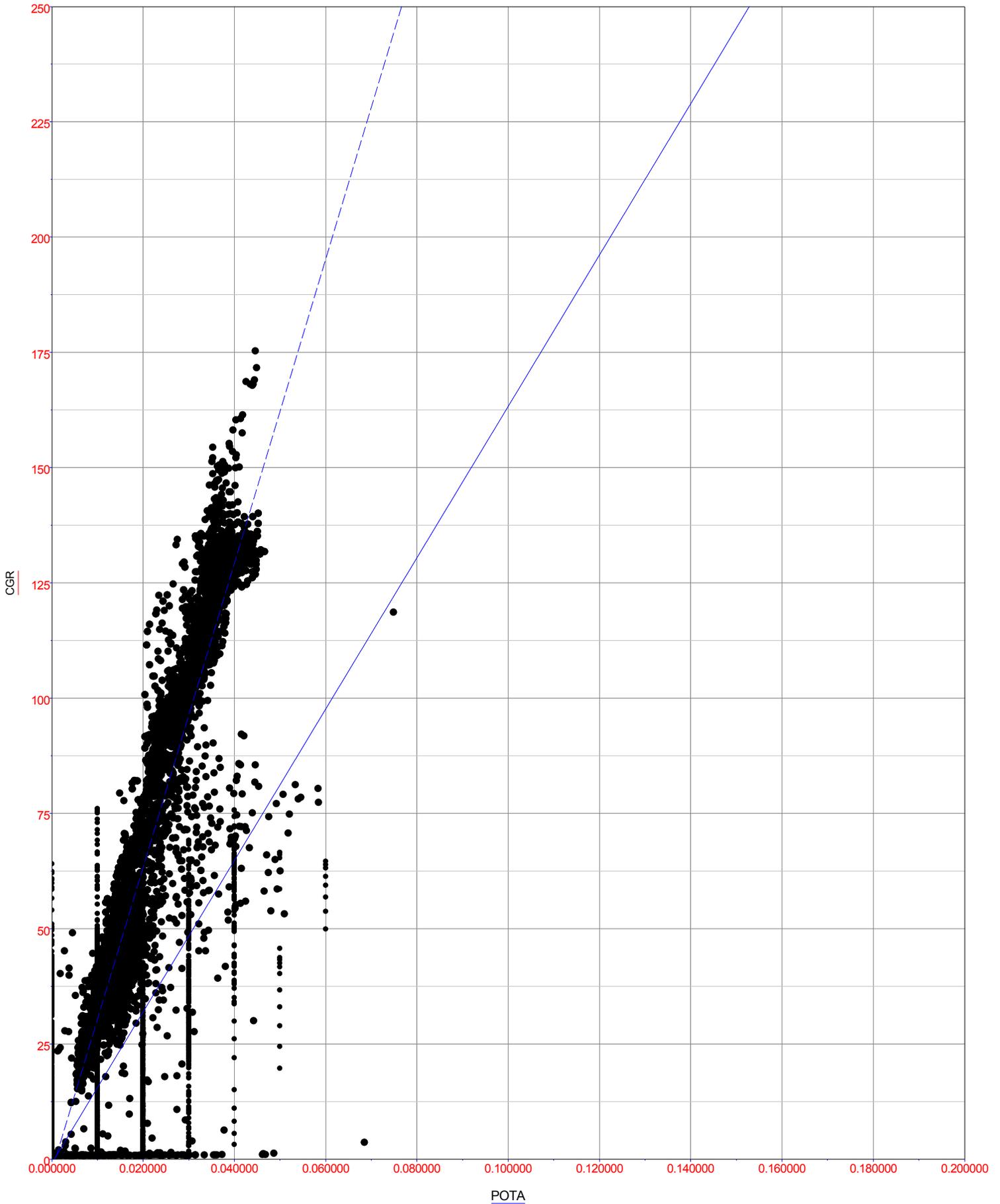
Multi-Well Regression Analysis Equations:
 $y = 2.710528 - 0.042534x$ $r = -0.363738$



Utica Consortium Active Area Wells In Study CGR v POTA

Active Well Regression Analysis Equations:
 $y = -0.848205 + 1641.920044x$ $r = 0.522229$

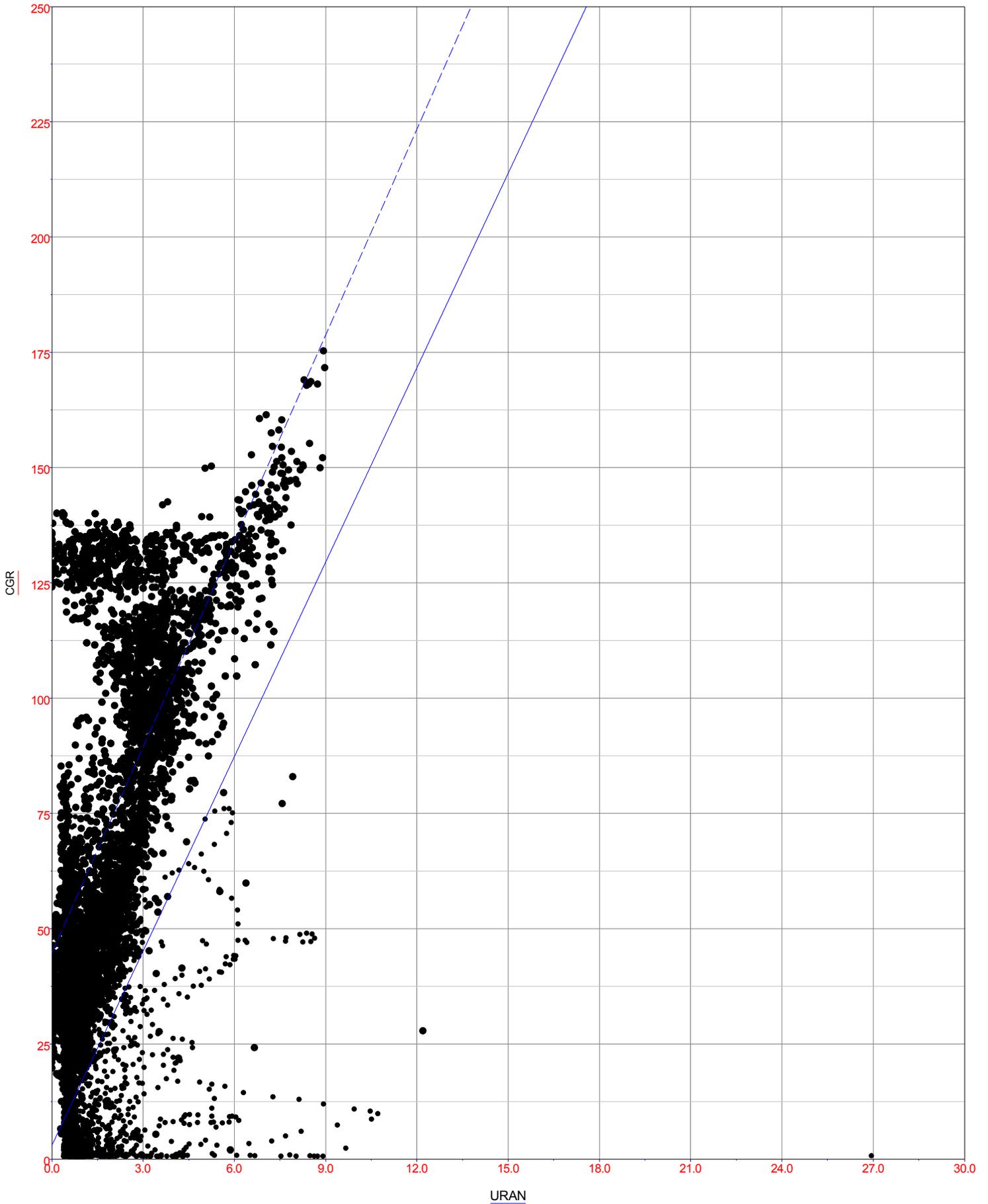
Multi-Well Regression Analysis Equations:
 $y = -2.520799 + 3296.956055x$ $r = 0.879759$



Utica Consortium Active Area Wells In Study CGR v URAN

Active Well Regression Analysis Equations:
 $y = 3.002050 + 14.061654x$ $r = 0.106316$

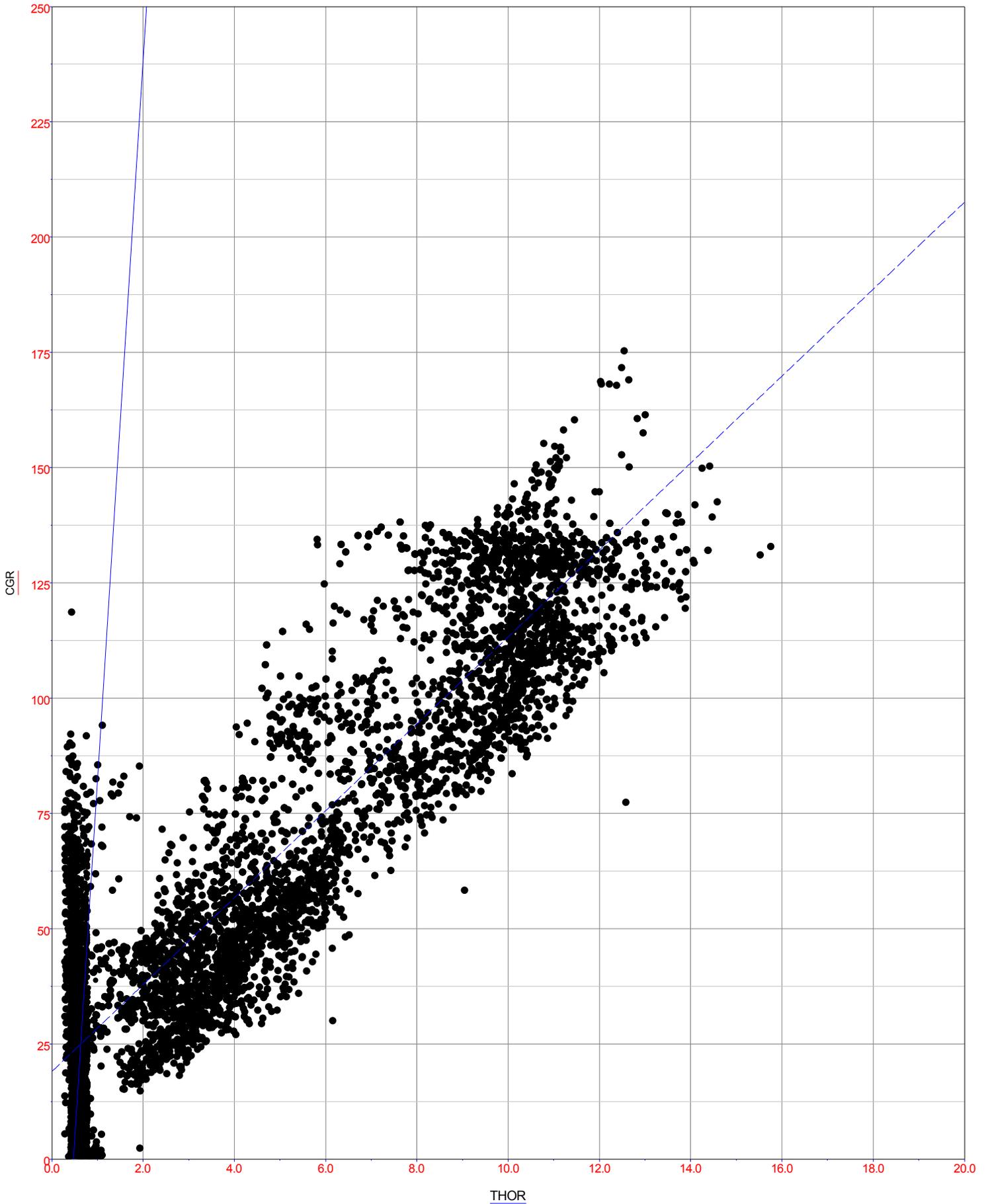
Multi-Well Regression Analysis Equations:
 $y = 44.754921 + 14.895524x$ $r = 0.597569$



Utica Consortium Active Area Wells In Study CGR v THOR

Active Well Regression Analysis Equations:
 $y = -73.618851 + 156.244827x$ $r = 0.003234$

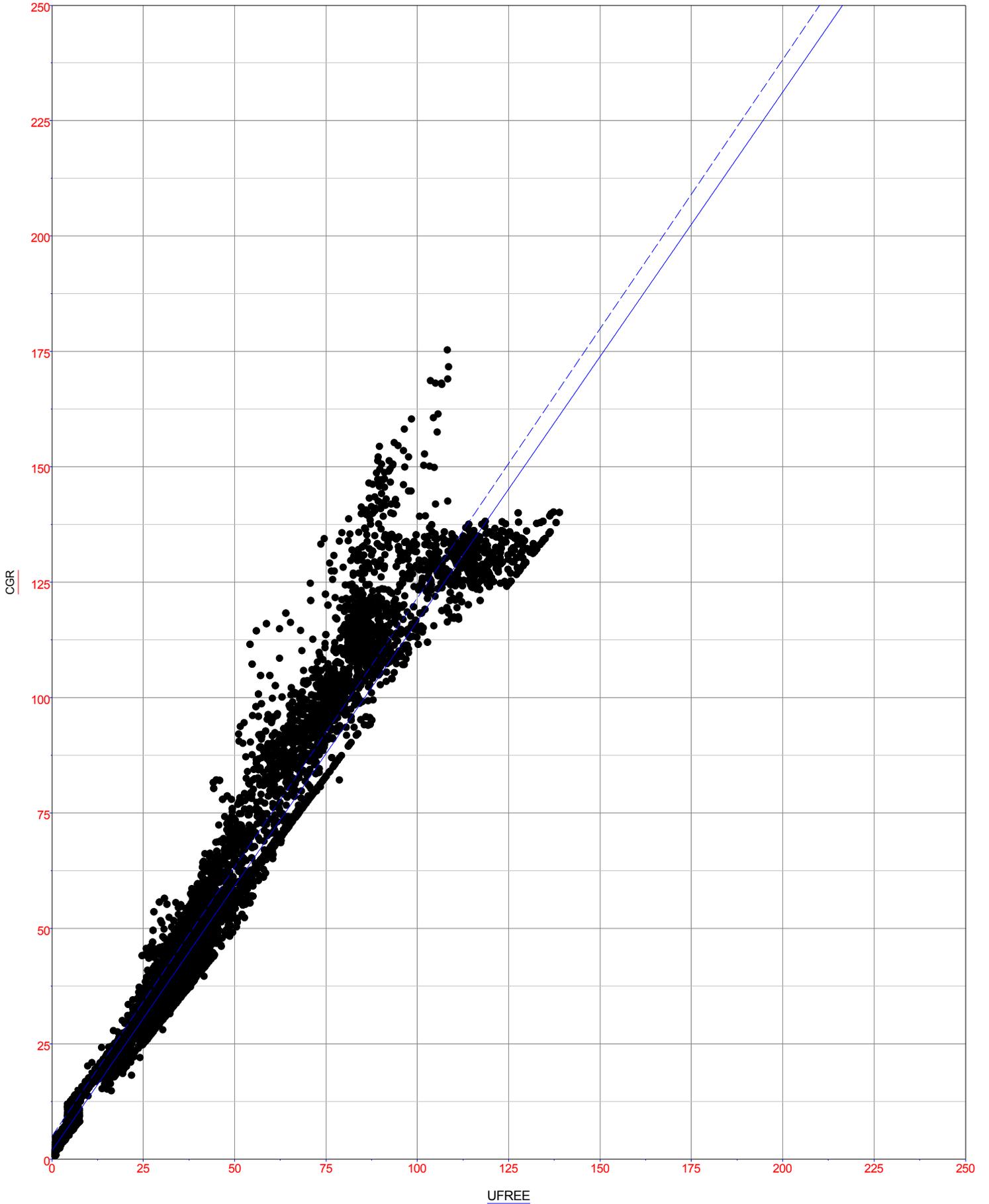
Multi-Well Regression Analysis Equations:
 $y = 19.008562 + 9.430037x$ $r = 0.889431$



Utica Consortium Active Area Wells In Study CGR v KTh

Active Well Regression Analysis Equations:
 $y = 1.832497 + 1.147267x$ $r = 0.995167$

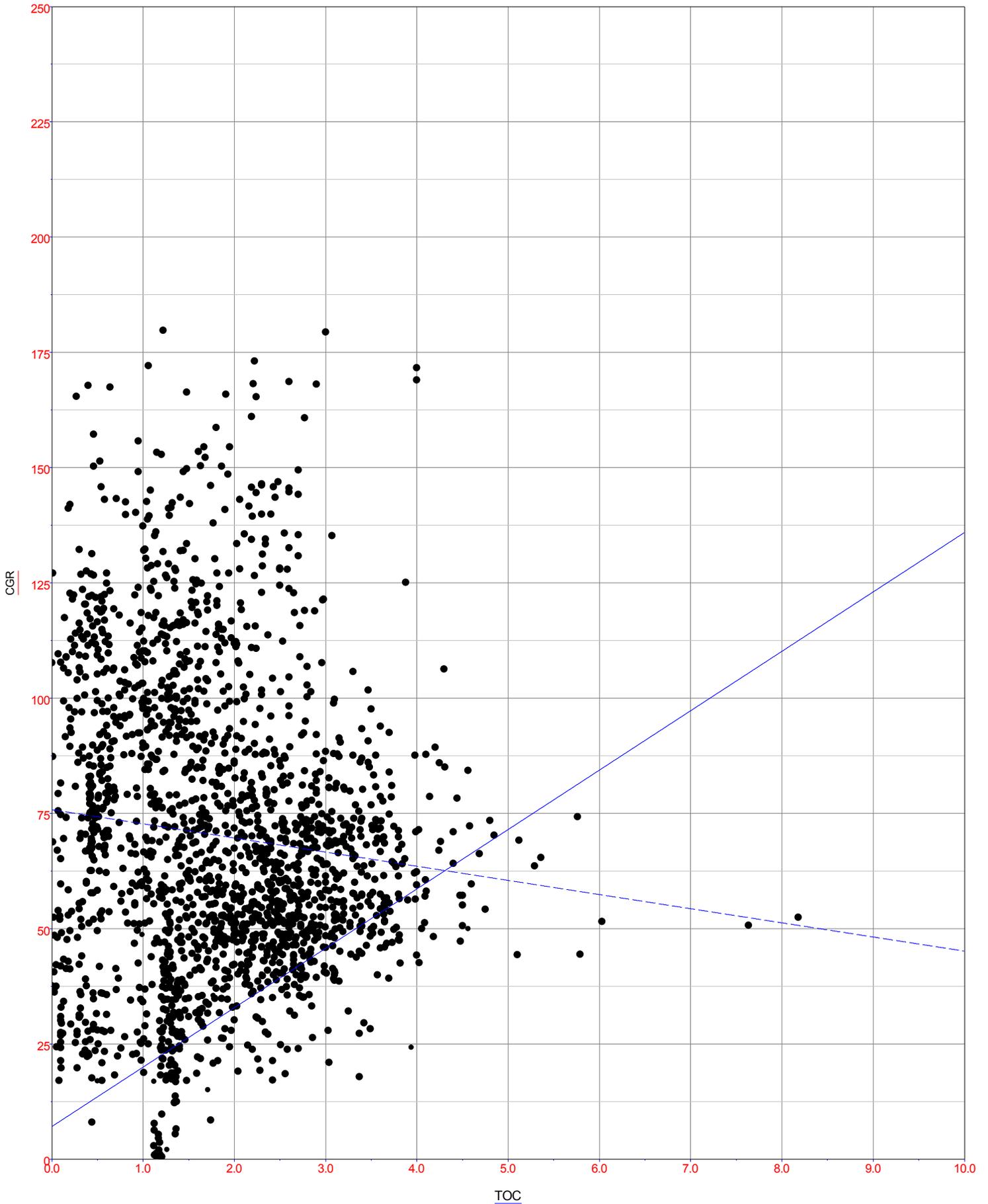
Multi-Well Regression Analysis Equations:
 $y = 4.974091 + 1.166607x$ $r = 0.961936$



Utica Consortium Active Area Wells In Study CGR v TOC

Active Well Regression Analysis Equations:
 $y = 7.077841 + 12.887218x$ $r = 0.250266$

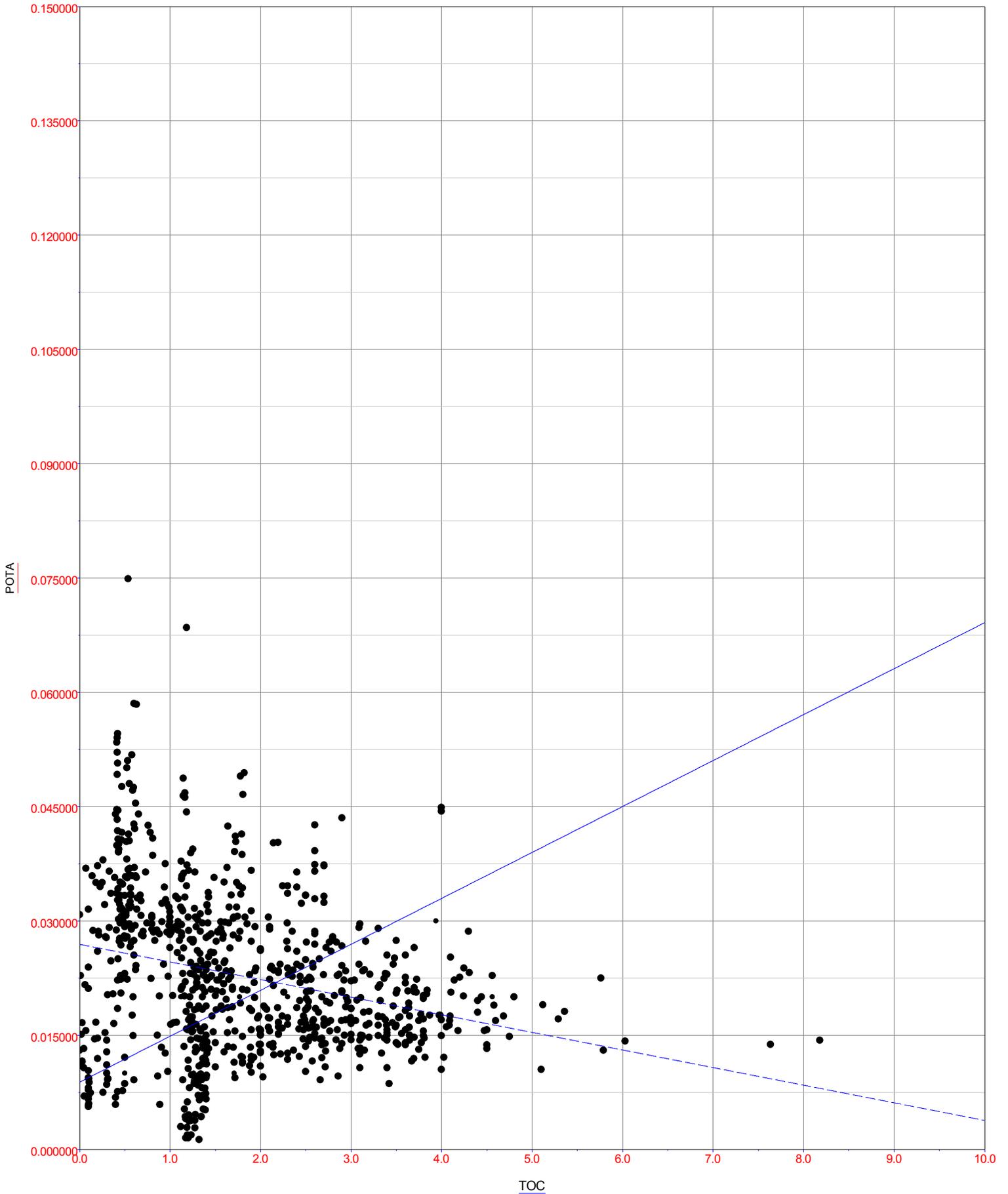
Multi-Well Regression Analysis Equations:
 $y = 75.783508 - 3.068046x$ $r = -0.099322$



Utica Consortium Active Area Wells In Study POTA v TOC

Active Well Regression Analysis Equations:
 $y = 0.008837 + 0.006031x$ $r = 0.255318$

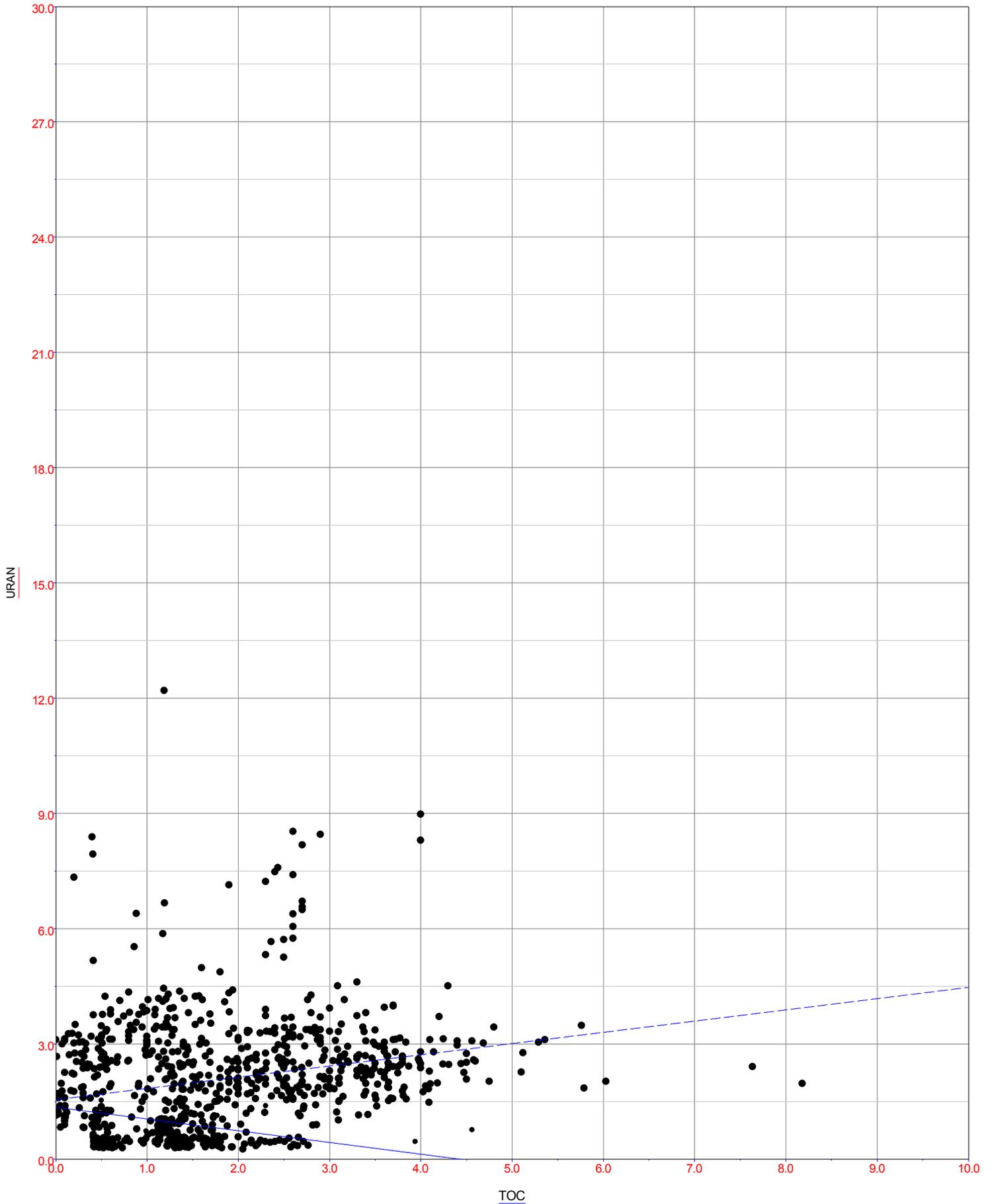
Multi-Well Regression Analysis Equations:
 $y = 0.026911 - 0.002310x$ $r = -0.265967$



Utica Consortium Active Area Wells In Study URAN v TOC

Active Well Regression Analysis Equations:
 $y = 1.348424 - 0.305632x$ $r = -0.144151$

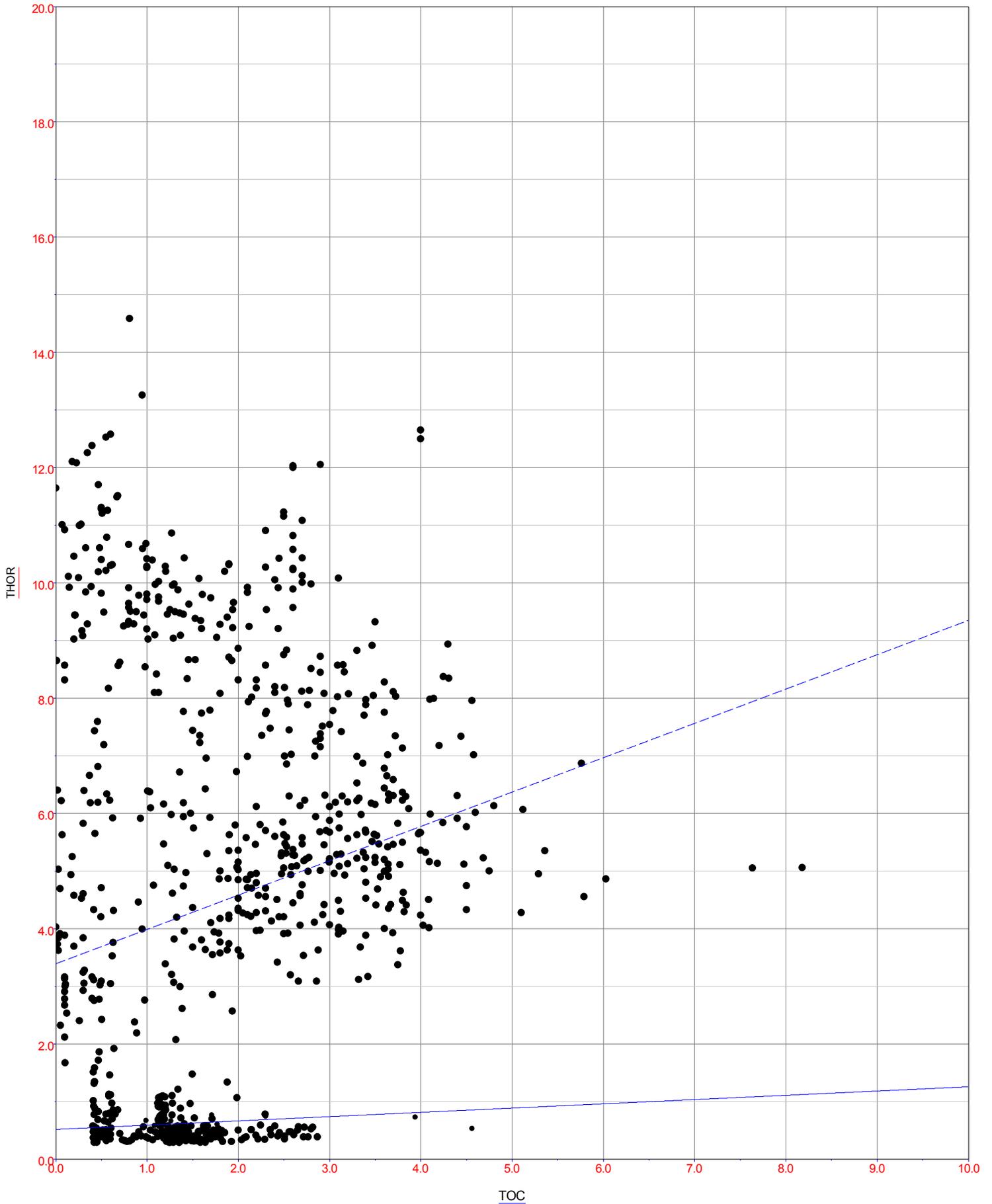
Multi-Well Regression Analysis Equations:
 $y = 1.545882 + 0.292300x$ $r = 0.237994$



Utica Consortium Active Area Wells In Study THOR v TOC

Active Well Regression Analysis Equations:
 $y = 0.514975 + 0.073933x$ $r = 0.041640$

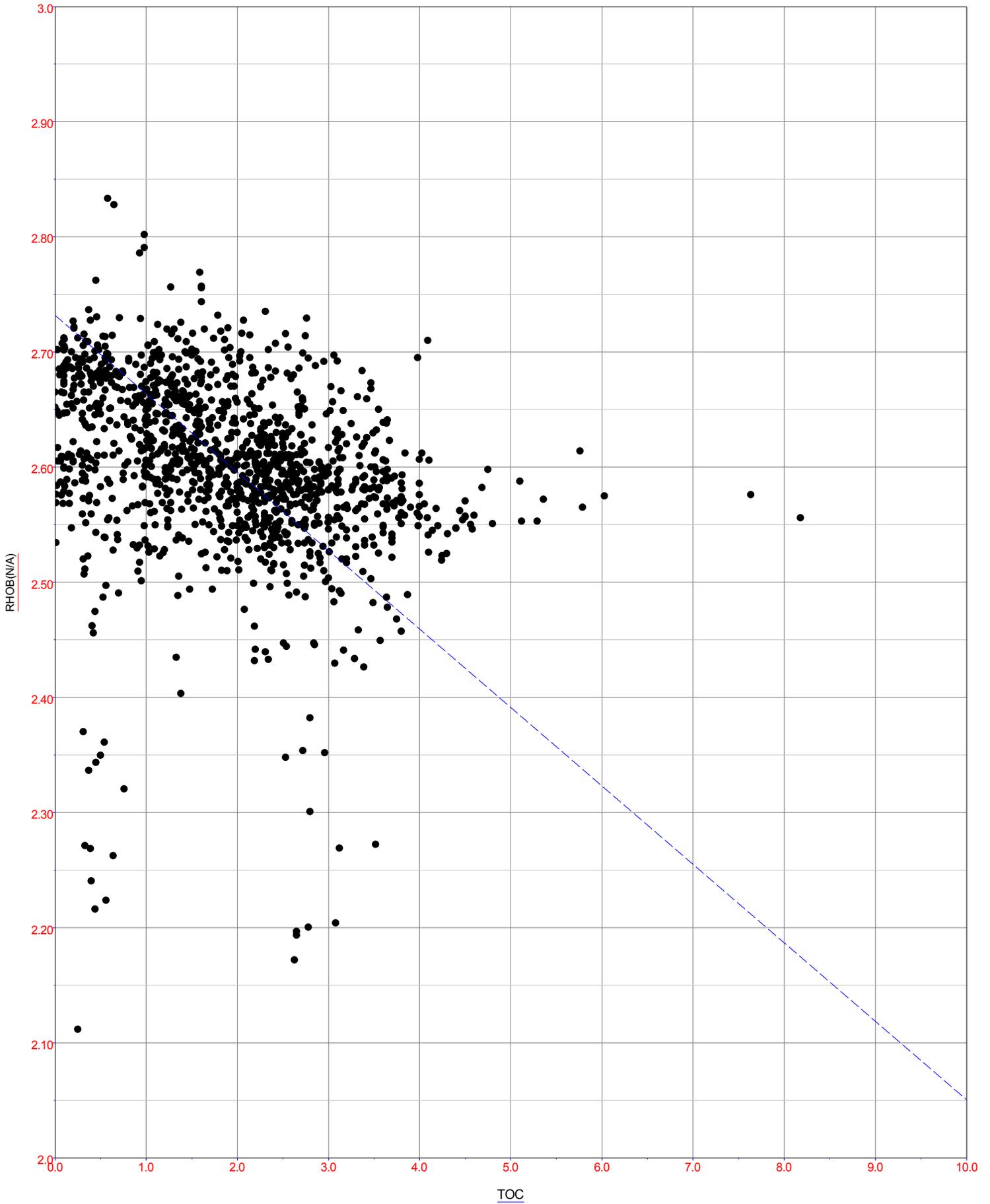
Multi-Well Regression Analysis Equations:
 $y = 3.389981 + 0.596028x$ $r = 0.201812$



Utica Consortium Active Area Wells In Study RHOB v TOC

Active Well Regression Analysis Equations:

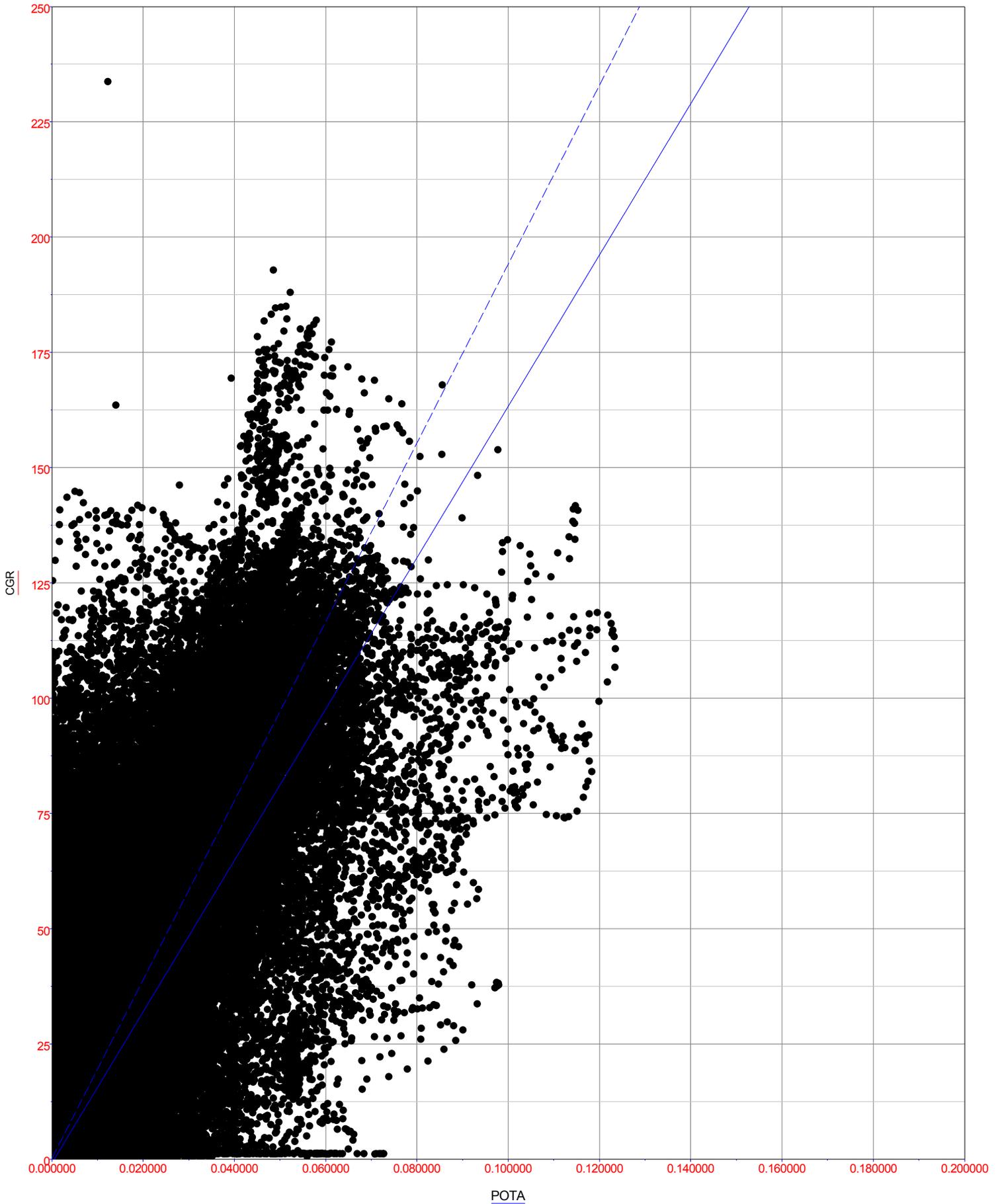
Multi-Well Regression Analysis Equations:
 $y = 2.731748 - 0.068144x$ $r = -0.295485$



Utica Consortium Inactive Area Wells In Study CGR v POTA

Active Well Regression Analysis Equations:
 $y = -0.848205 + 1641.920044x$ $r = 0.522229$

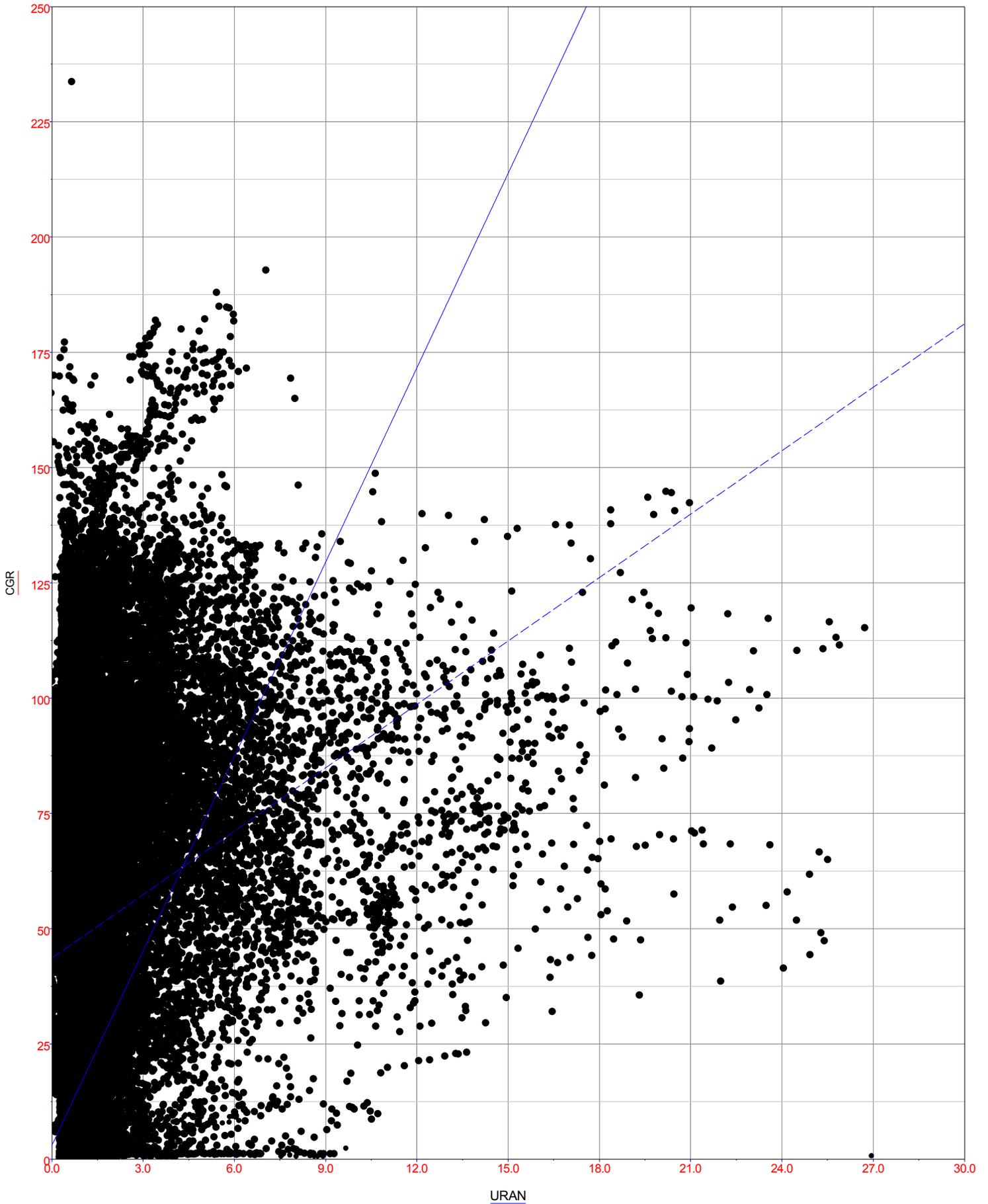
Multi-Well Regression Analysis Equations:
 $y = 0.164883 + 1940.541382x$ $r = 0.597983$



Utica Consortium Inactive Area Wells In Study CGR v URAN

Active Well Regression Analysis Equations:
 $y = 3.002050 + 14.061654x$ $r = 0.106316$

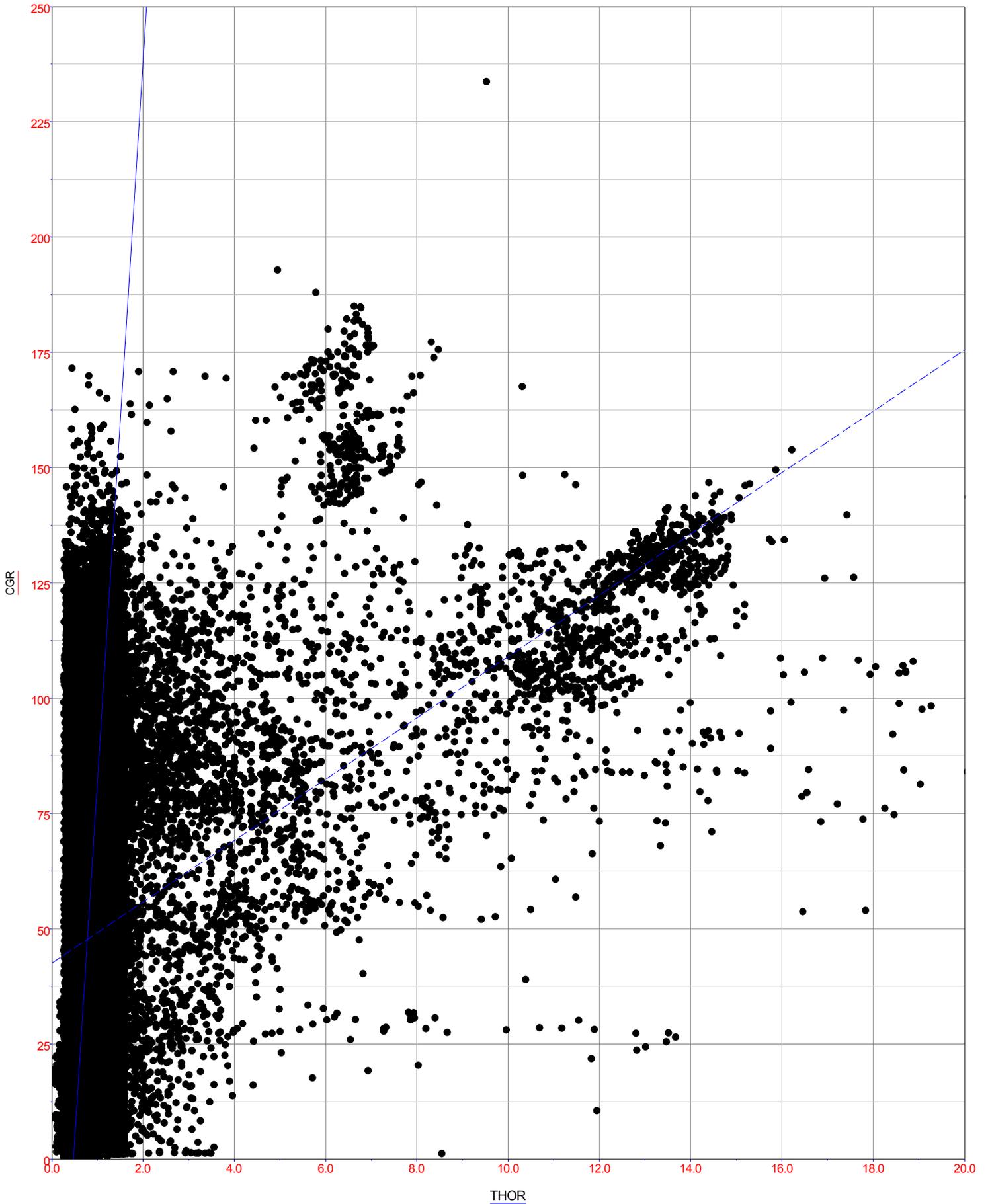
Multi-Well Regression Analysis Equations:
 $y = 43.616867 + 4.586592x$ $r = 0.253880$



Utica Consortium Inactive Area Wells In Study CGR v THOR

Active Well Regression Analysis Equations:
 $y = -73.618851 + 156.244827x$ $r = 0.003234$

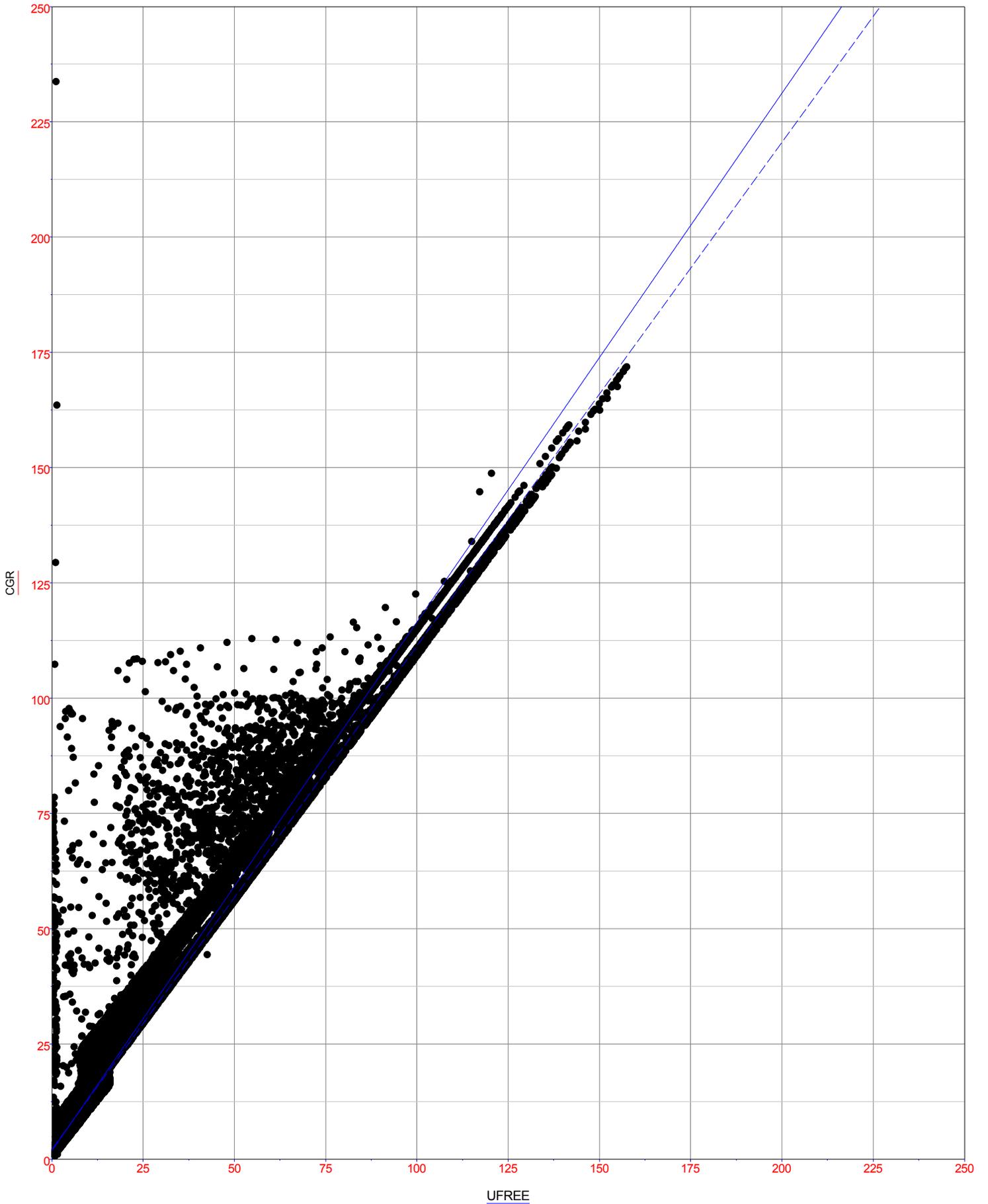
Multi-Well Regression Analysis Equations:
 $y = 42.507938 + 6.652031x$ $r = 0.334521$



Utica Consortium Inactive Area Wells In Study CGR v UFREE

Active Well Regression Analysis Equations:
 $y = 1.832497 + 1.147267x$ $r = 0.995167$

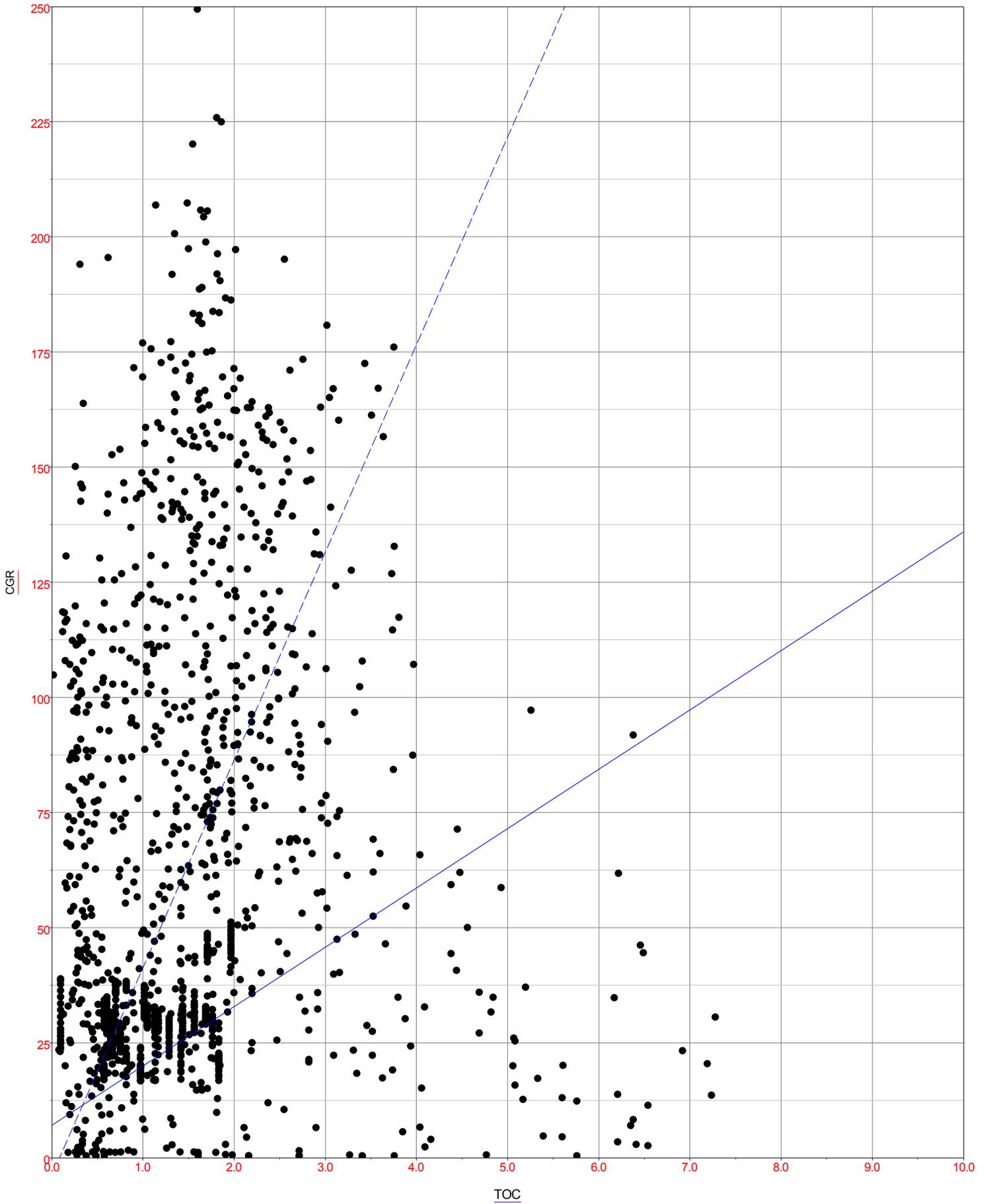
Multi-Well Regression Analysis Equations:
 $y = 2.128028 + 1.092490x$ $r = 0.998887$



Utica Consortium Inactive Area Wells In Study CGR v TOC

Active Well Regression Analysis Equations:
 $y = 7.077841 + 12.887218x$ $r = 0.250266$

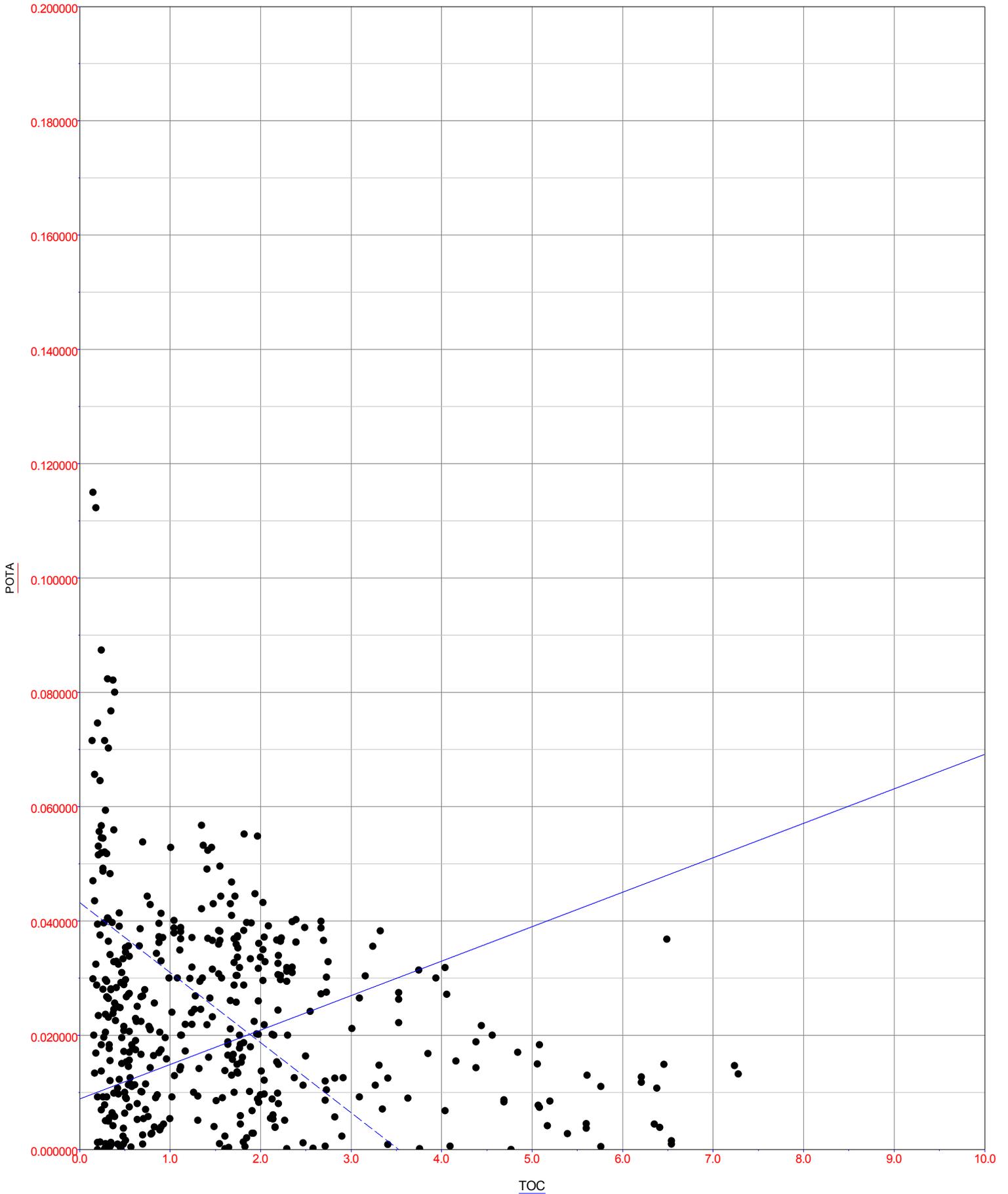
Multi-Well Regression Analysis Equations:
 $y = -3.767575 + 45.112041x$ $r = 0.117513$



Utica Consortium Inactive Area Wells In Study POTA v TOC

Active Well Regression Analysis Equations:
 $y = 0.008837 + 0.006031x$ $r = 0.255318$

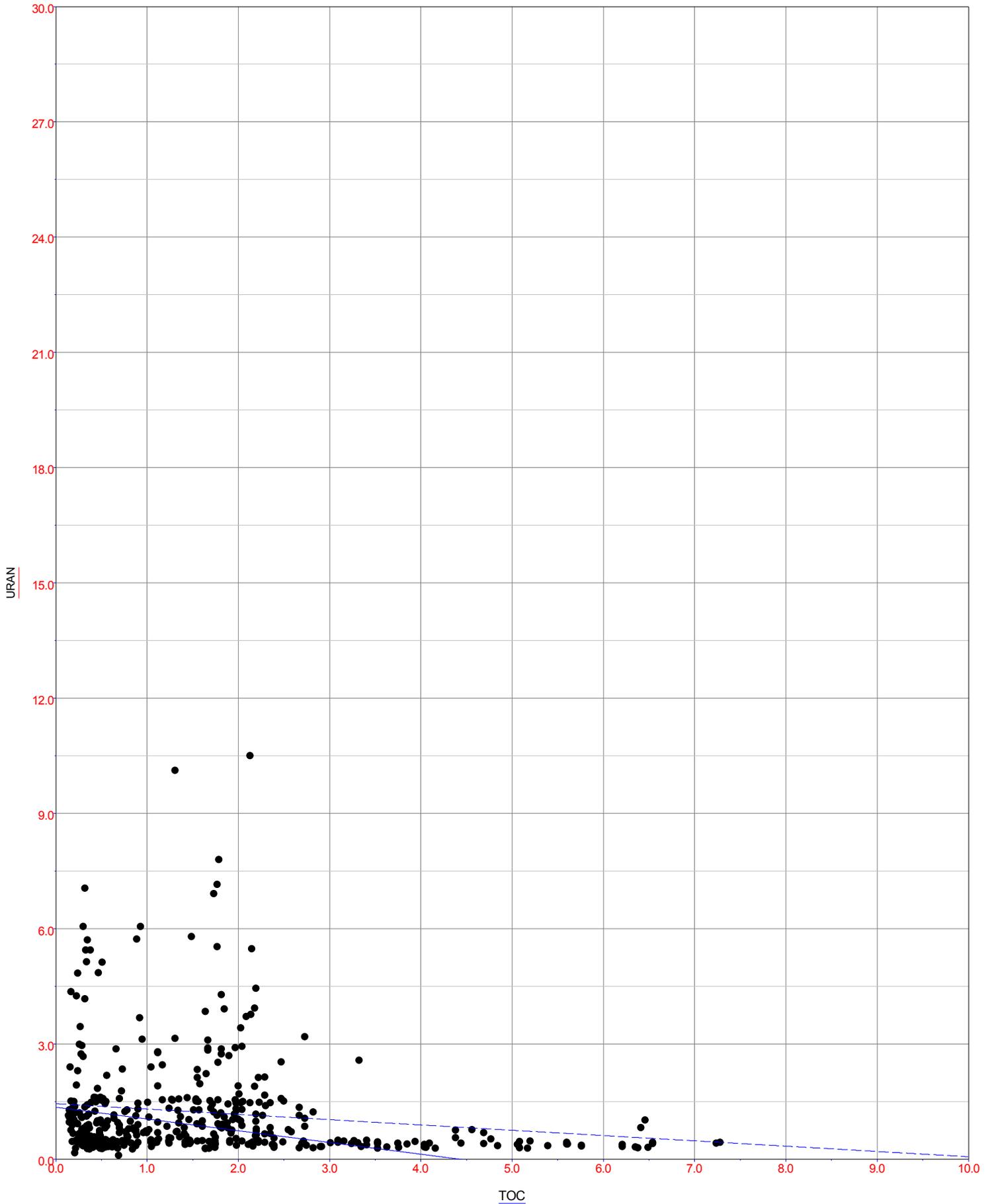
Multi-Well Regression Analysis Equations:
 $y = 0.043198 - 0.012265x$ $r = -0.246573$



Utica Consortium Inactive Area Wells In Study URAN v TOC

Active Well Regression Analysis Equations:
 $y = 1.348424 - 0.305632x$ $r = -0.144151$

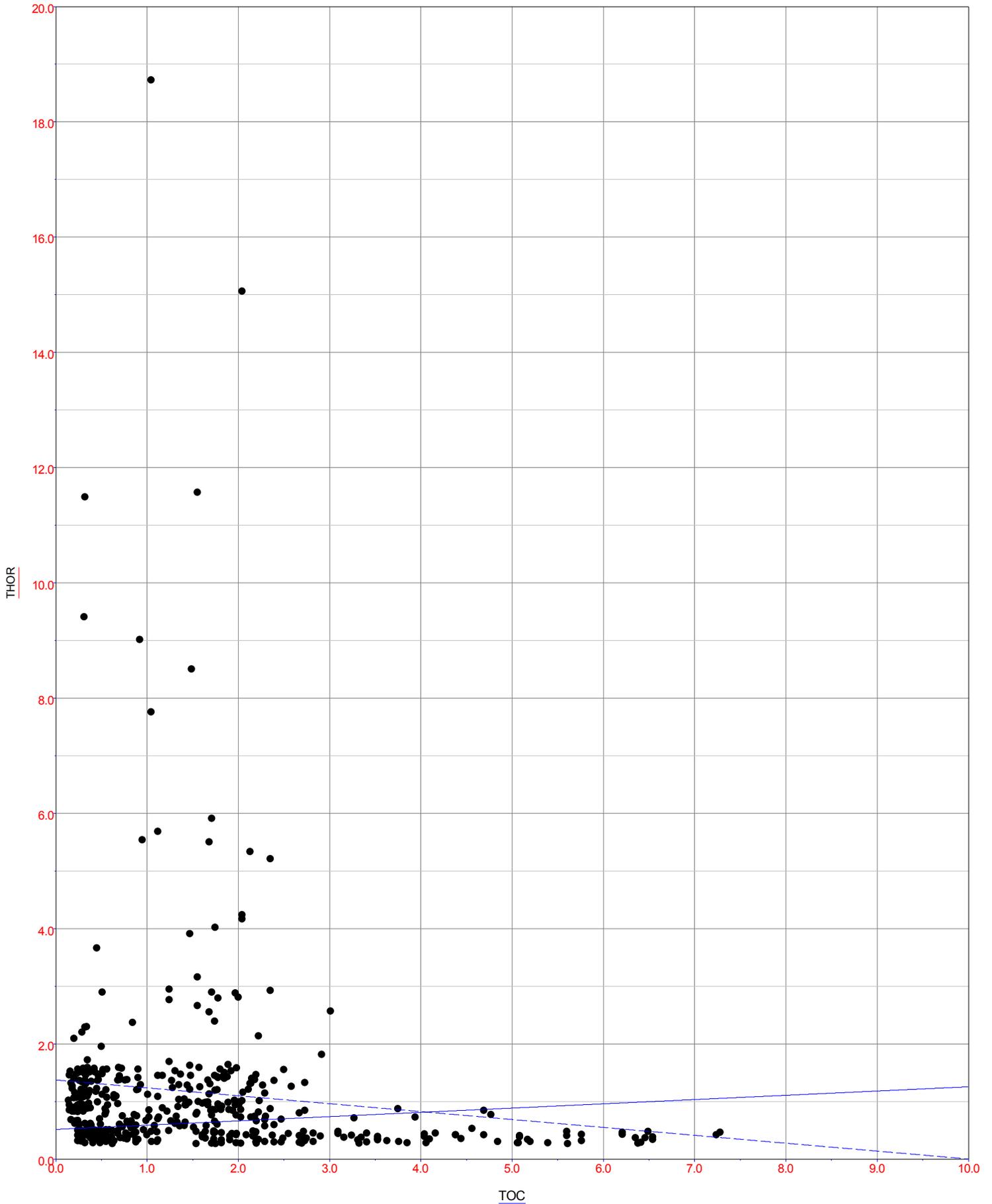
Multi-Well Regression Analysis Equations:
 $y = 1.439757 - 0.137978x$ $r = -0.141877$



Utica Consortium Inactive Area Wells In Study THOR v TOC

Active Well Regression Analysis Equations:
 $y = 0.514975 + 0.073933x$ $r = 0.041640$

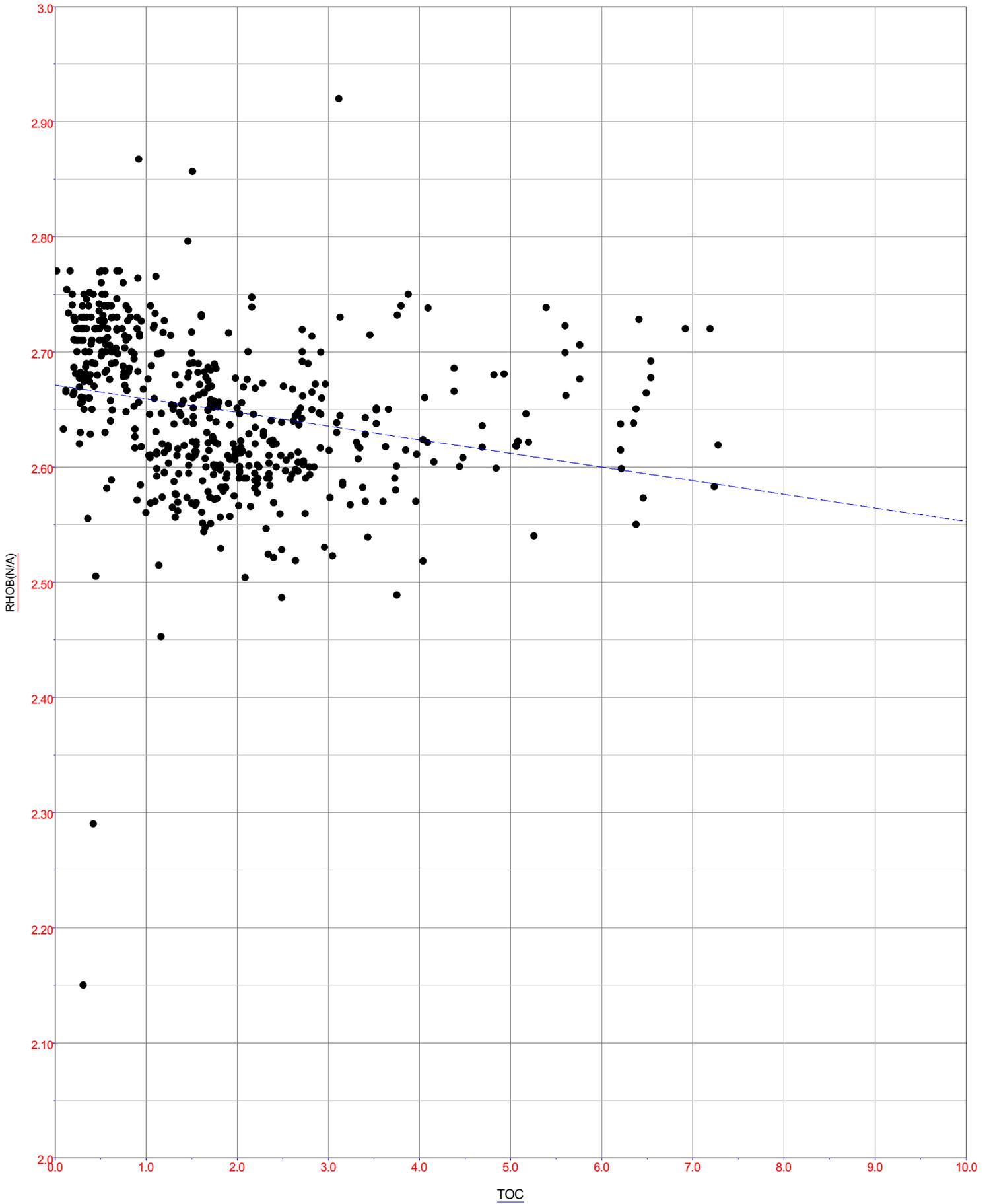
Multi-Well Regression Analysis Equations:
 $y = 1.371823 - 0.137113x$ $r = -0.116355$



Utica Consortium Inactive Area Wells In Study RHOB v TOC

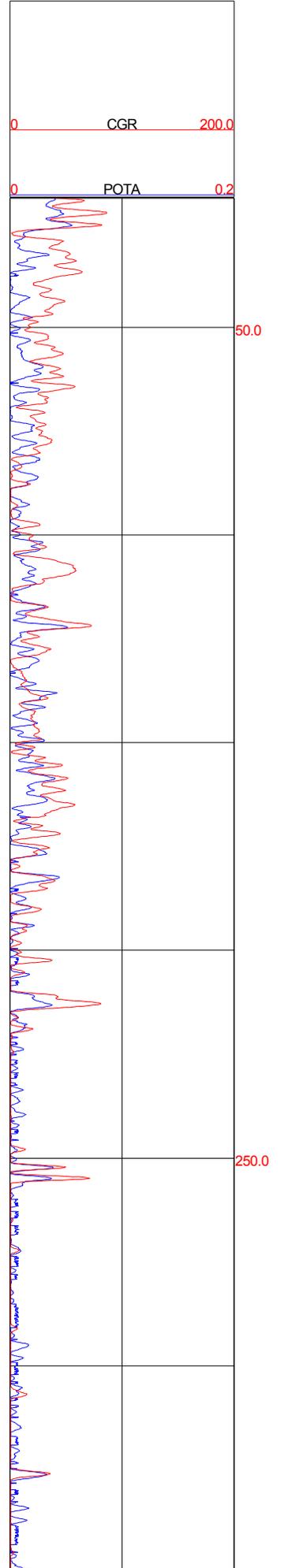
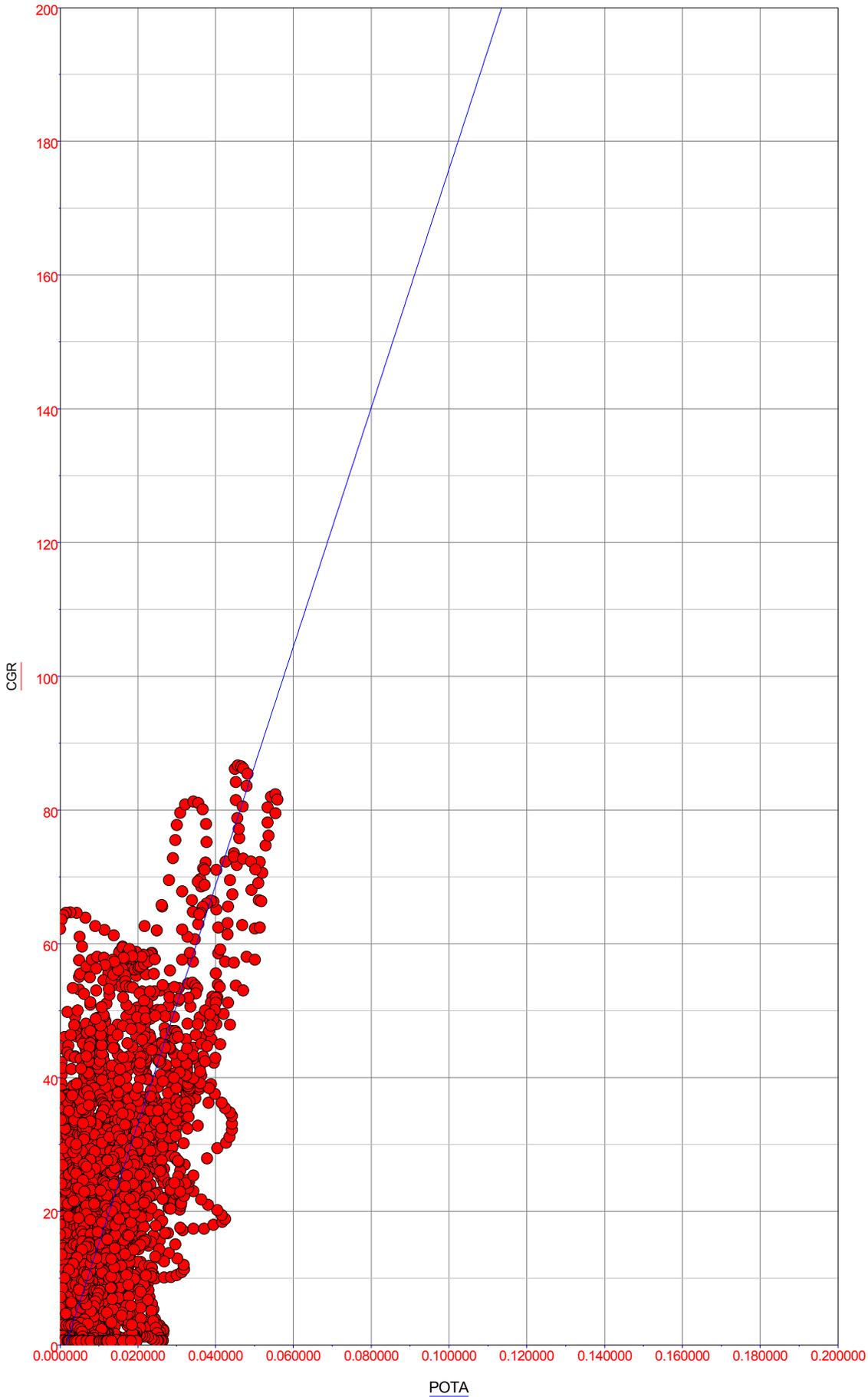
Active Well Regression Analysis Equations:

Multi-Well Regression Analysis Equations:
 $y = 2.671161 - 0.011854x$ $r = -0.252288$



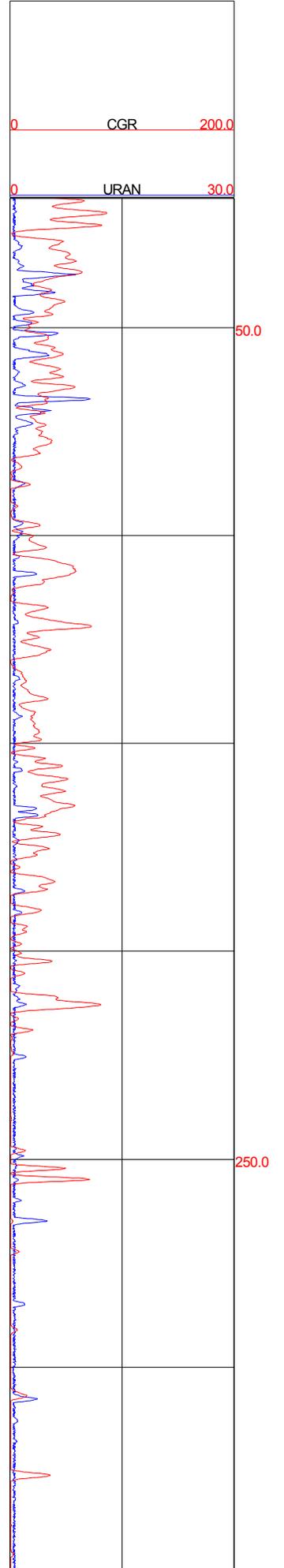
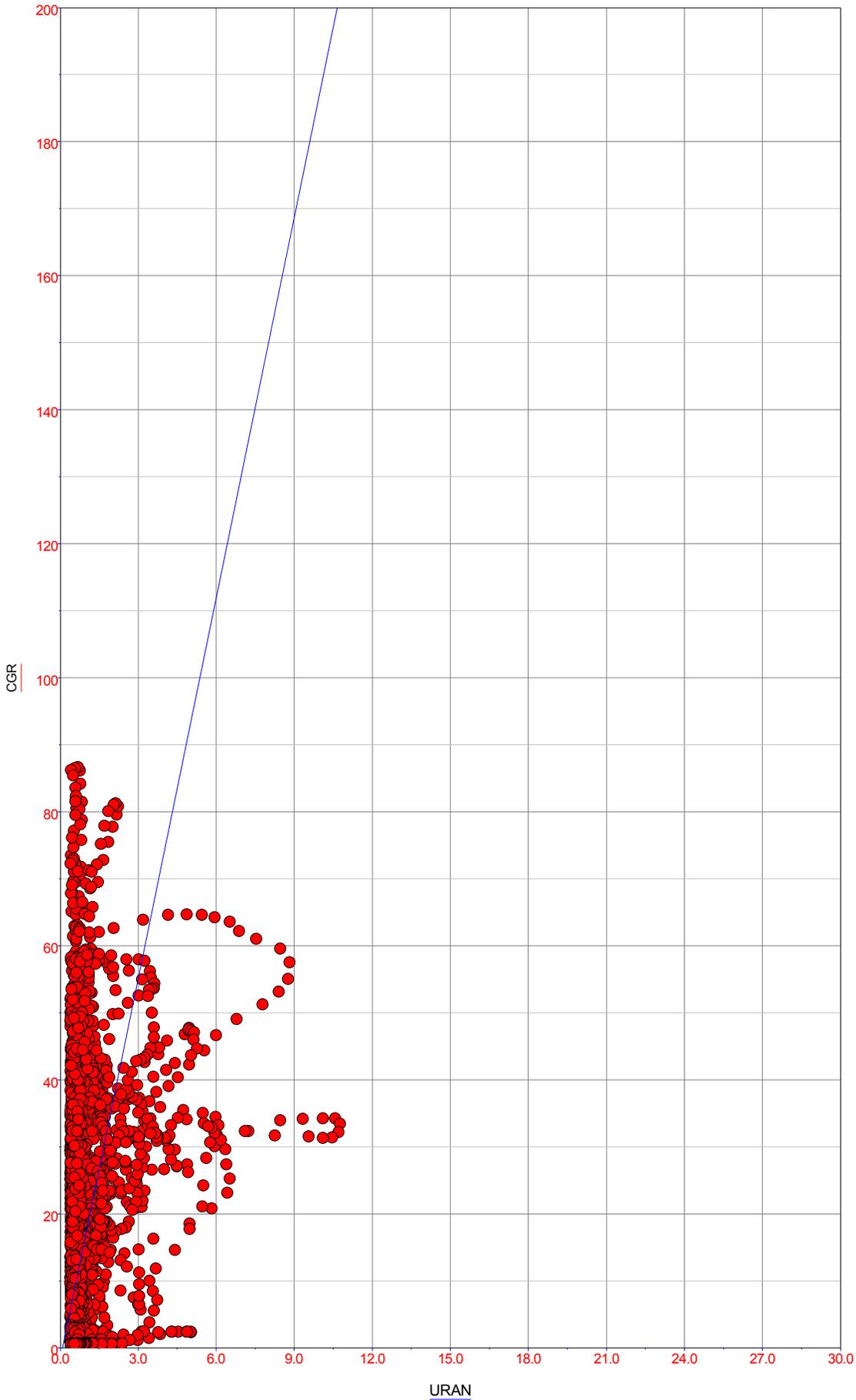
OHIO GEOLOGICAL SURV HOWERTON SAND AND GRAVEL#13-2081 CGR v POTA

Active Well Regression Analysis Equations:
 $y = -2.518980 + 1784.730591x$ $r = 0.626465$



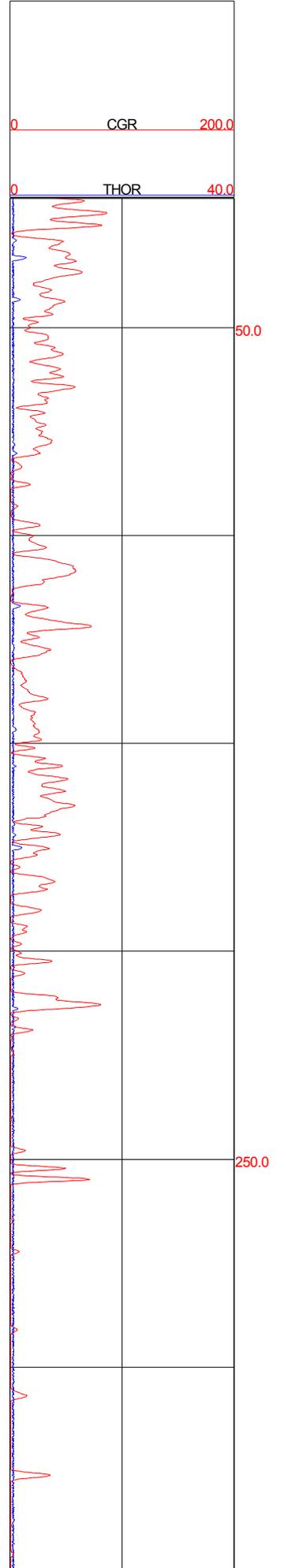
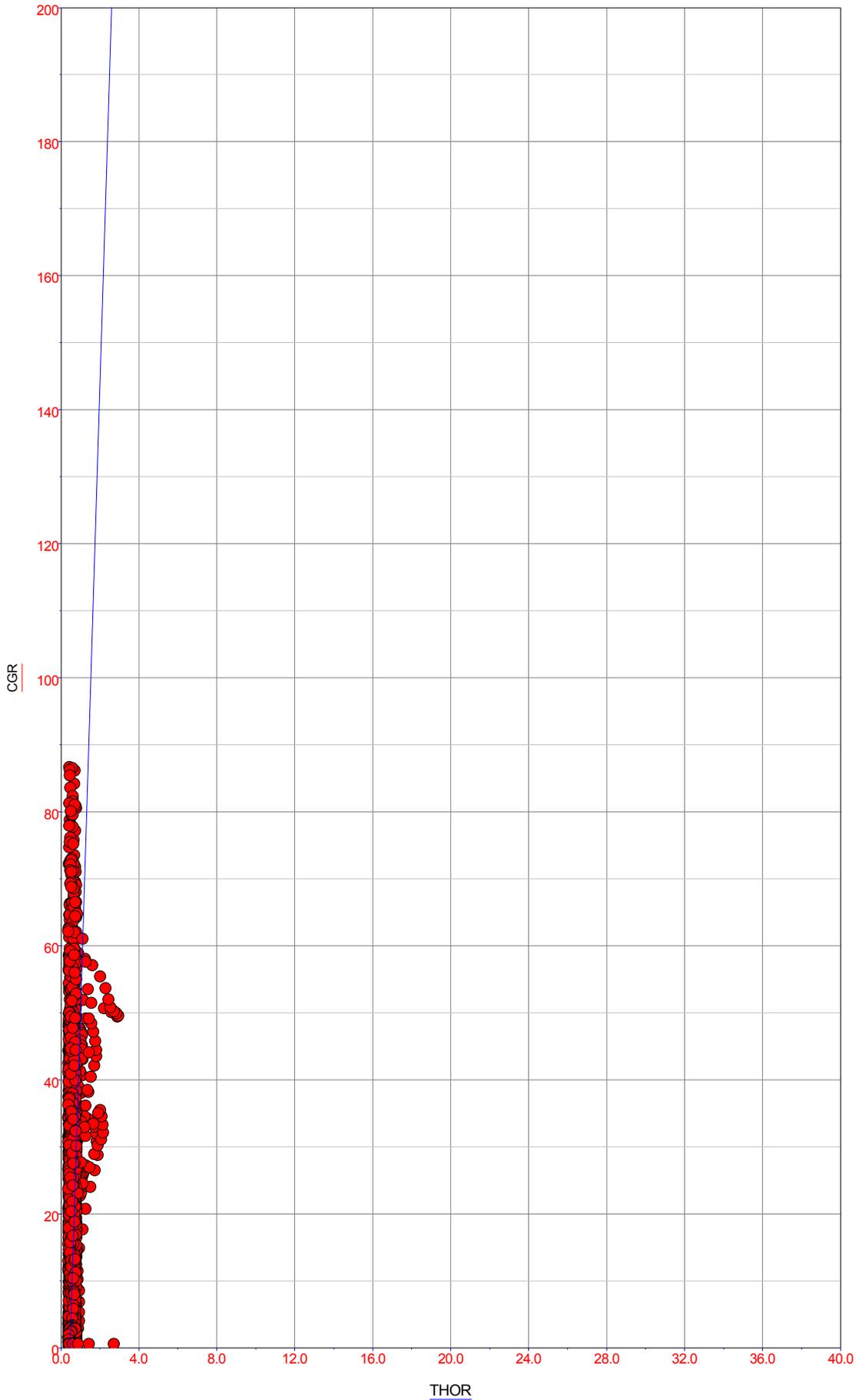
OHIO GEOLOGICAL SURV HOWERTON SAND AND GRAVEL#13-2081 CGR v URAN

Active Well Regression Analysis Equations:
 $y = -1.506609 + 18.937075x$ $r = 0.271589$



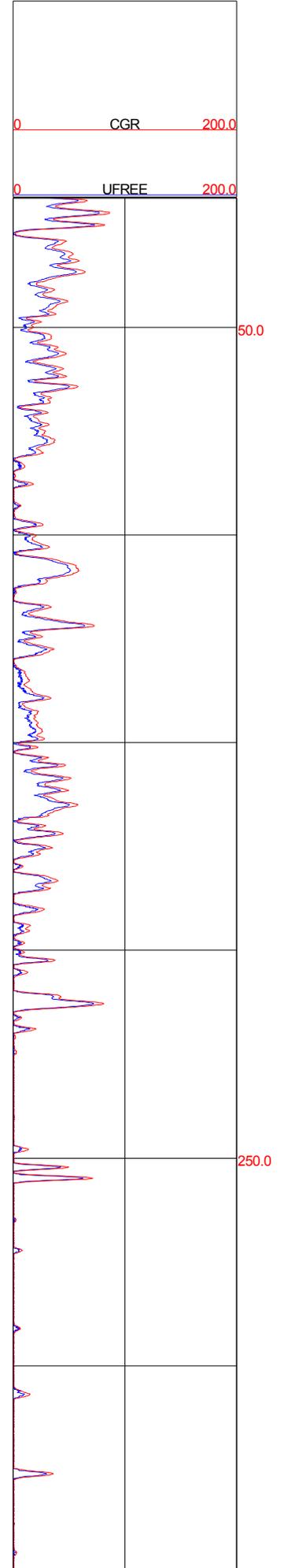
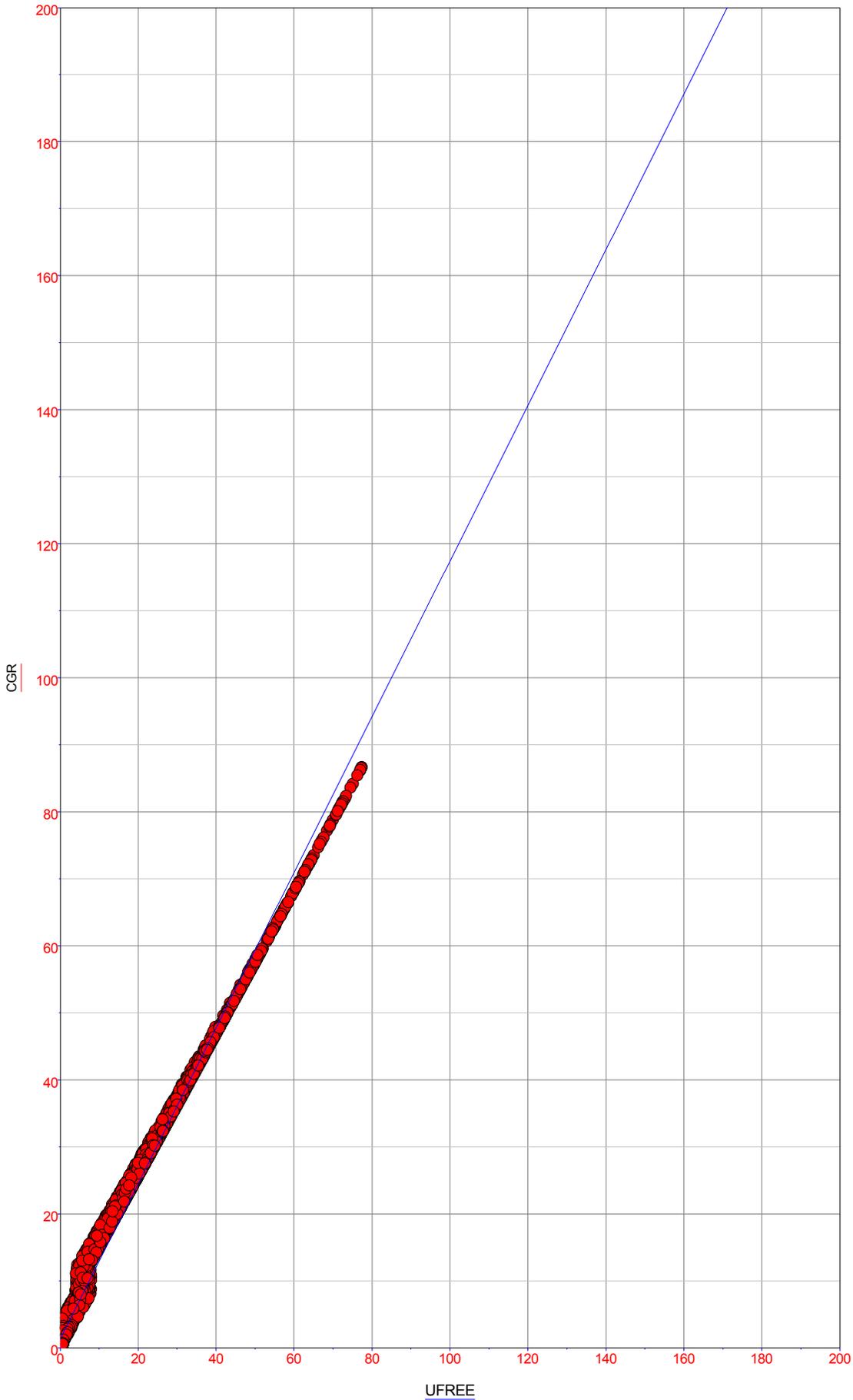
OHIO GEOLOGICAL SURV HOWERTON SAND AND GRAVEL#13-2081 CGR v THOR

Active Well Regression Analysis Equations:
 $y = -43.062336 + 93.912140x$ $r = 0.124128$



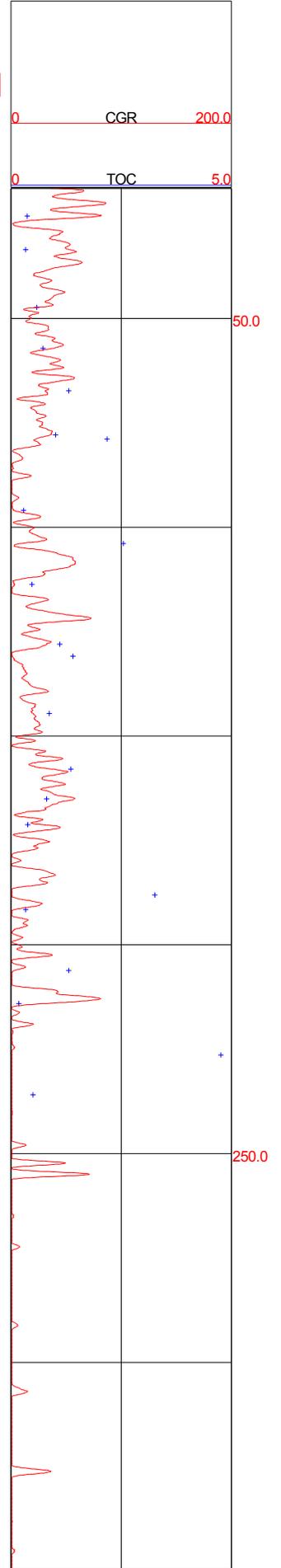
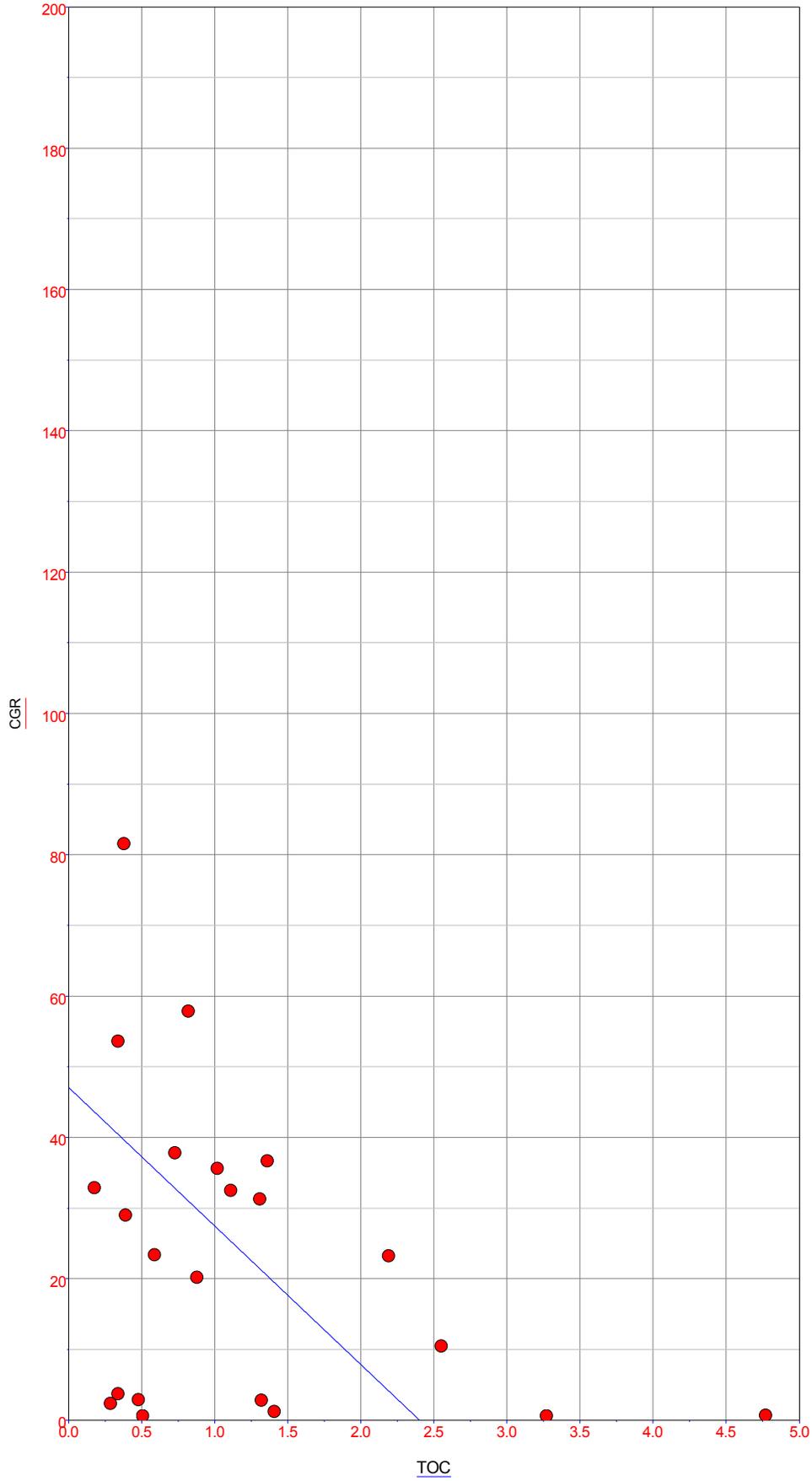
OHIO GEOLOGICAL SURV
HOWERTON SAND AND GRAVEL#13-2081
CGR v UFREE

Active Well Regression Analysis Equations:
 $y = 1.336020 + 1.161497x$ $r = 0.995159$



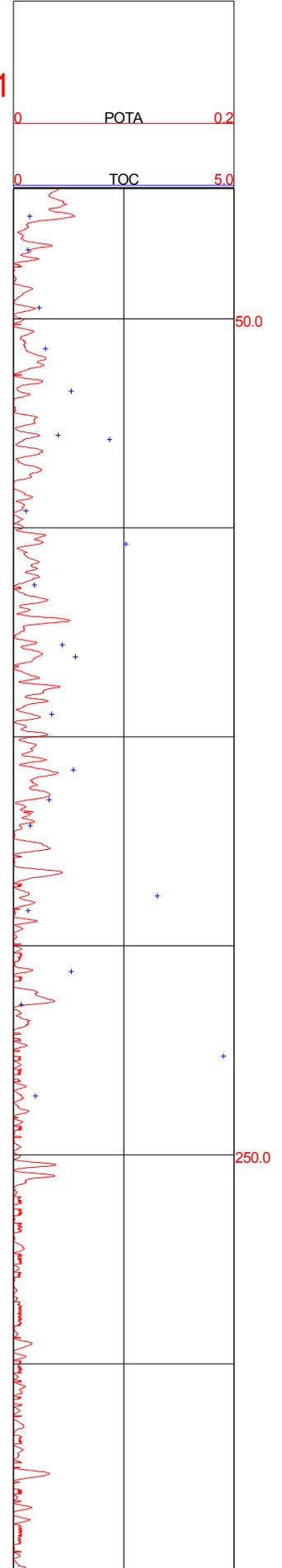
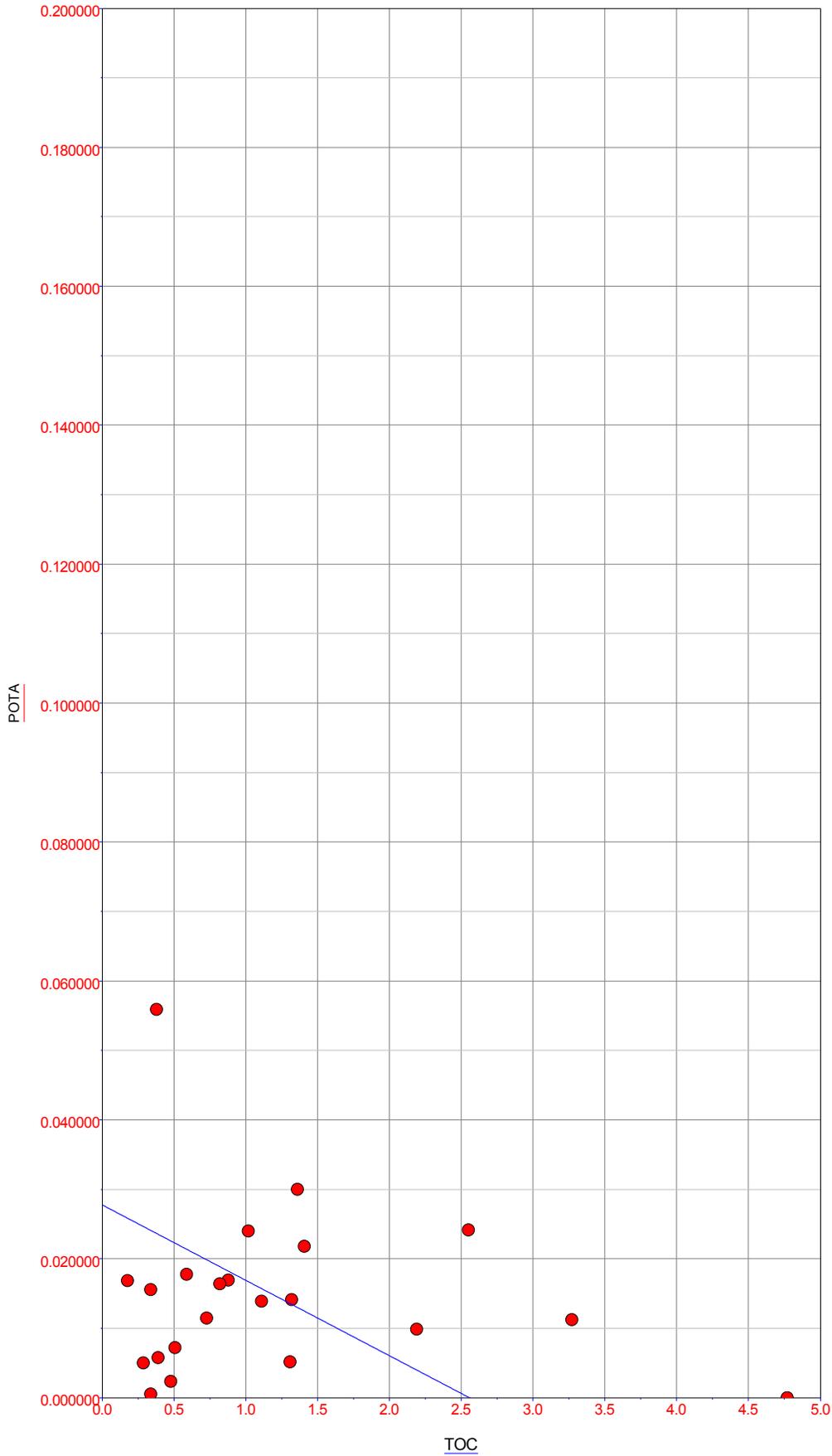
OHIO GEOLOGICAL SURV HOWERTON SAND AND GRAVEL#13-2081 CGR v TOC

Active Well Regression Analysis Equations:
 $y = 47.048183 - 19.615473x$ $r = -0.372140$



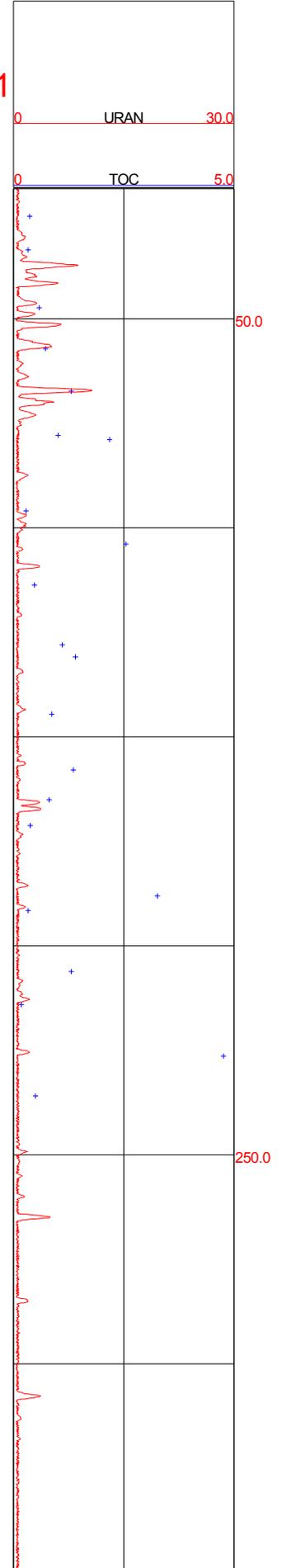
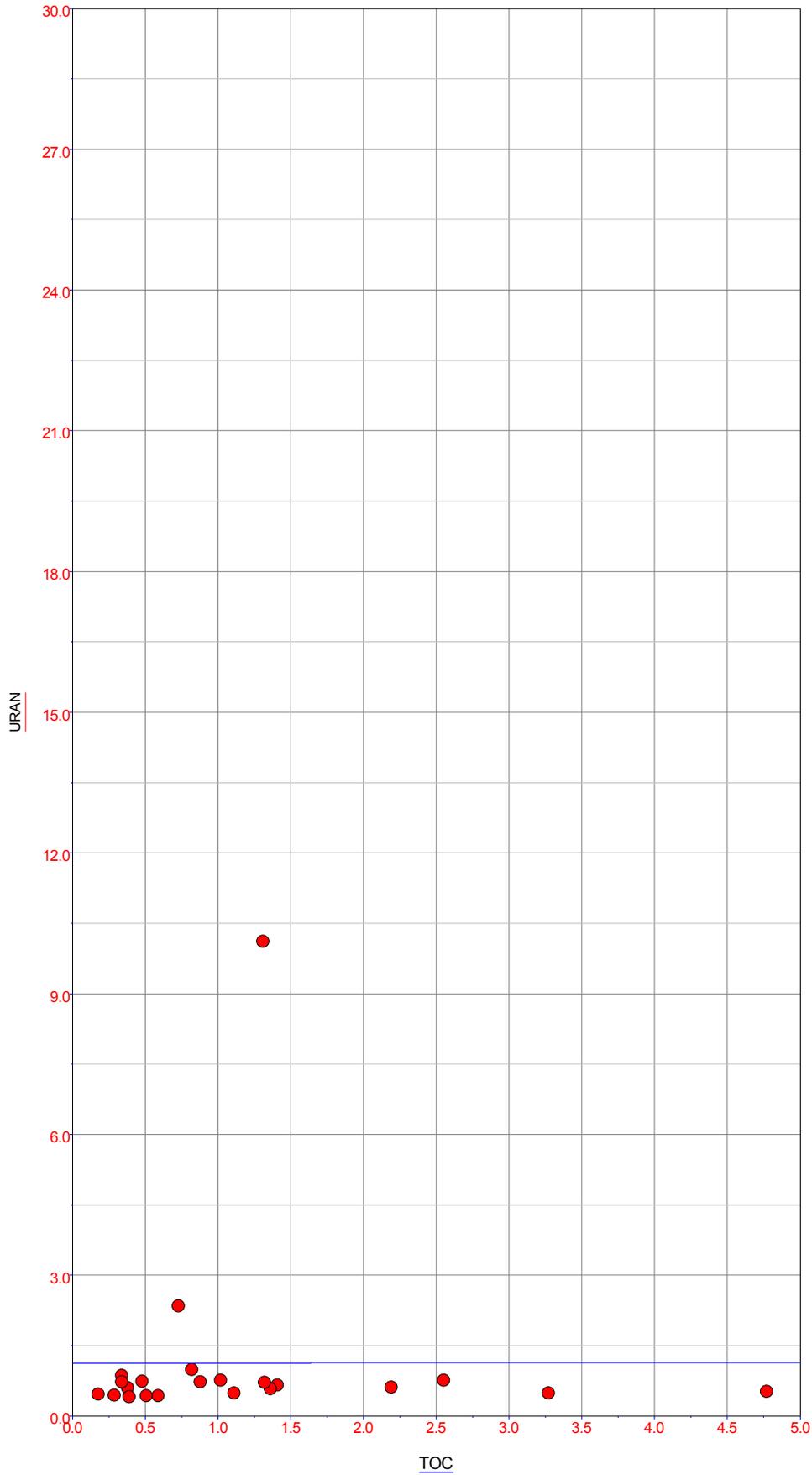
OHIO GEOLOGICAL SURV HOWERTON SAND AND GRAVEL#13-2081 POTA v TOC

Active Well Regression Analysis Equations:
 $y = 0.027737 - 0.010858x$ $r = -0.161648$



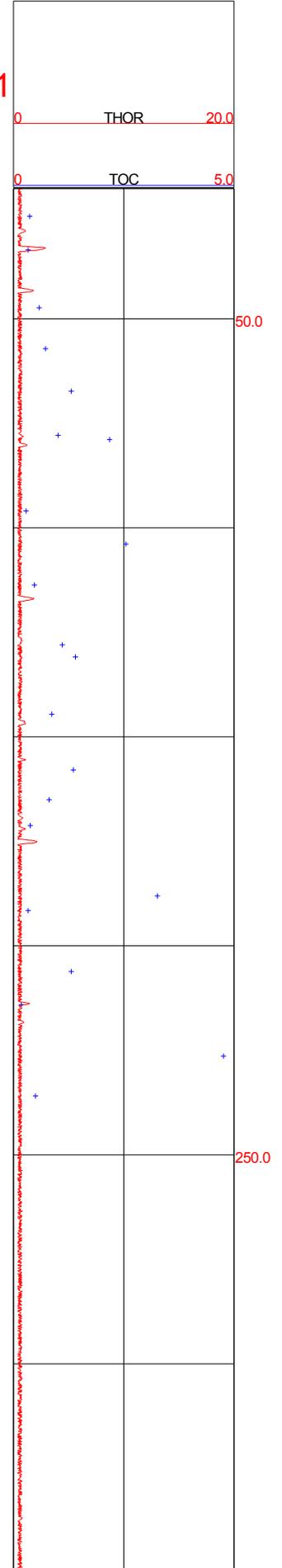
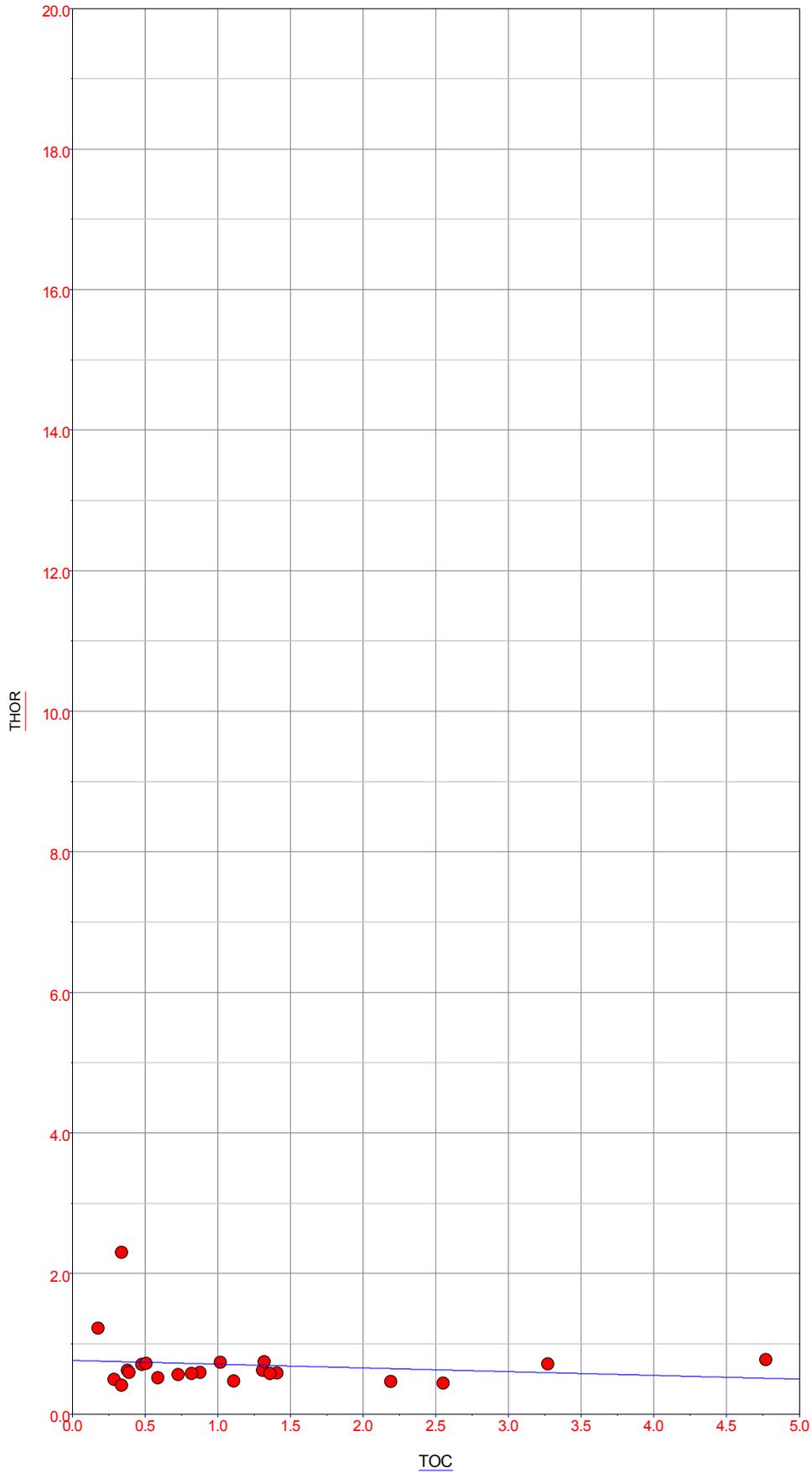
OHIO GEOLOGICAL SURV HOWERTON SAND AND GRAVEL#13-2081 URAN v TOC

Active Well Regression Analysis Equations:
 $y = 1.123661 + 0.002647x$ $r = 0.001453$



OHIO GEOLOGICAL SURV HOWERTON SAND AND GRAVEL#13-2081 THOR v TOC

Active Well Regression Analysis Equations:
 $y = 0.762223 - 0.053312x$ $r = -0.151347$

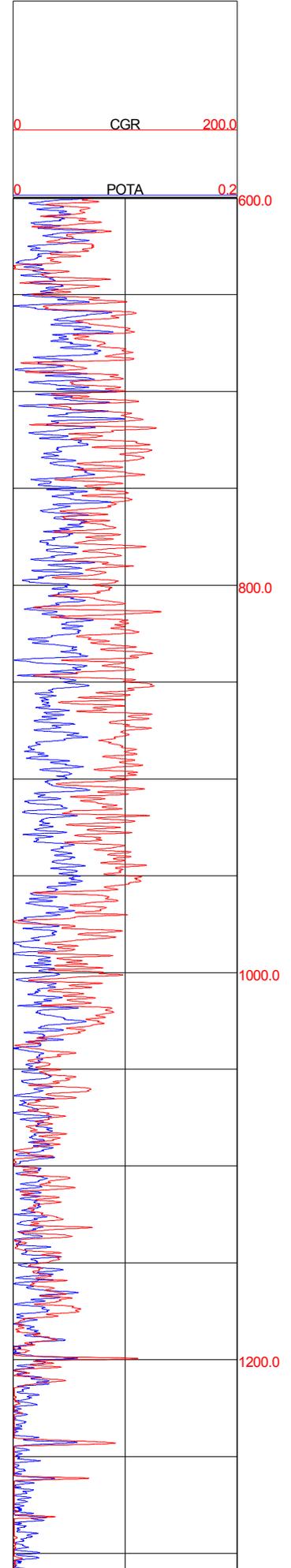
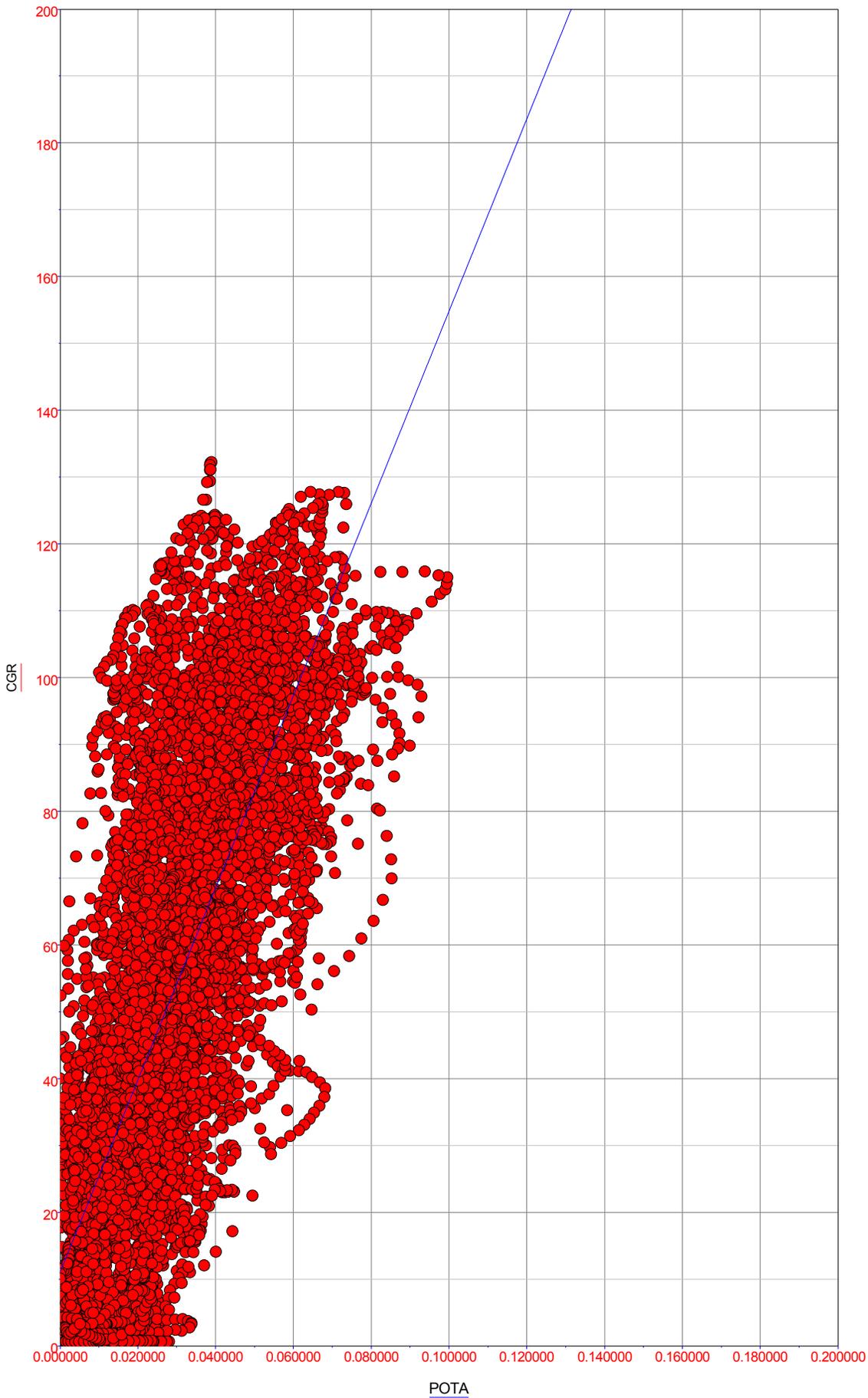


OHIO GEOLOGICAL SURVEY C#2626

J.GOINS
CGR v POTA

Active Well Regression Analysis Equations:

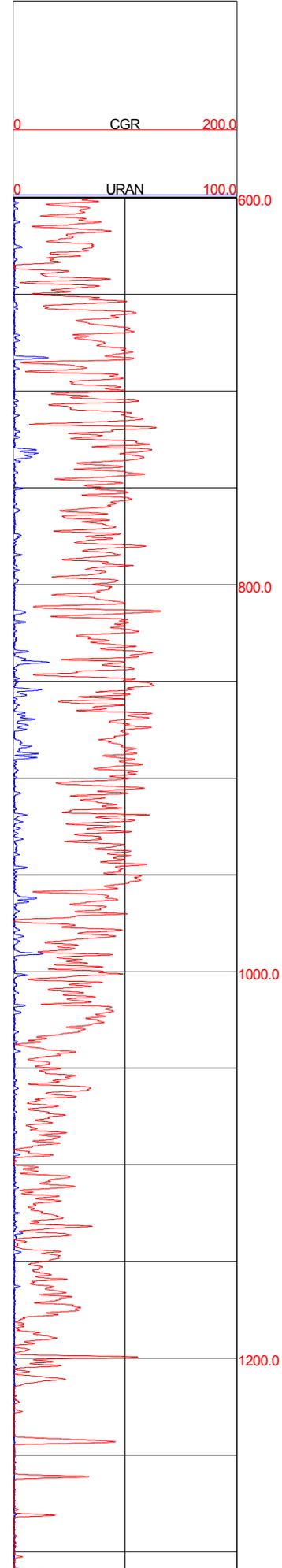
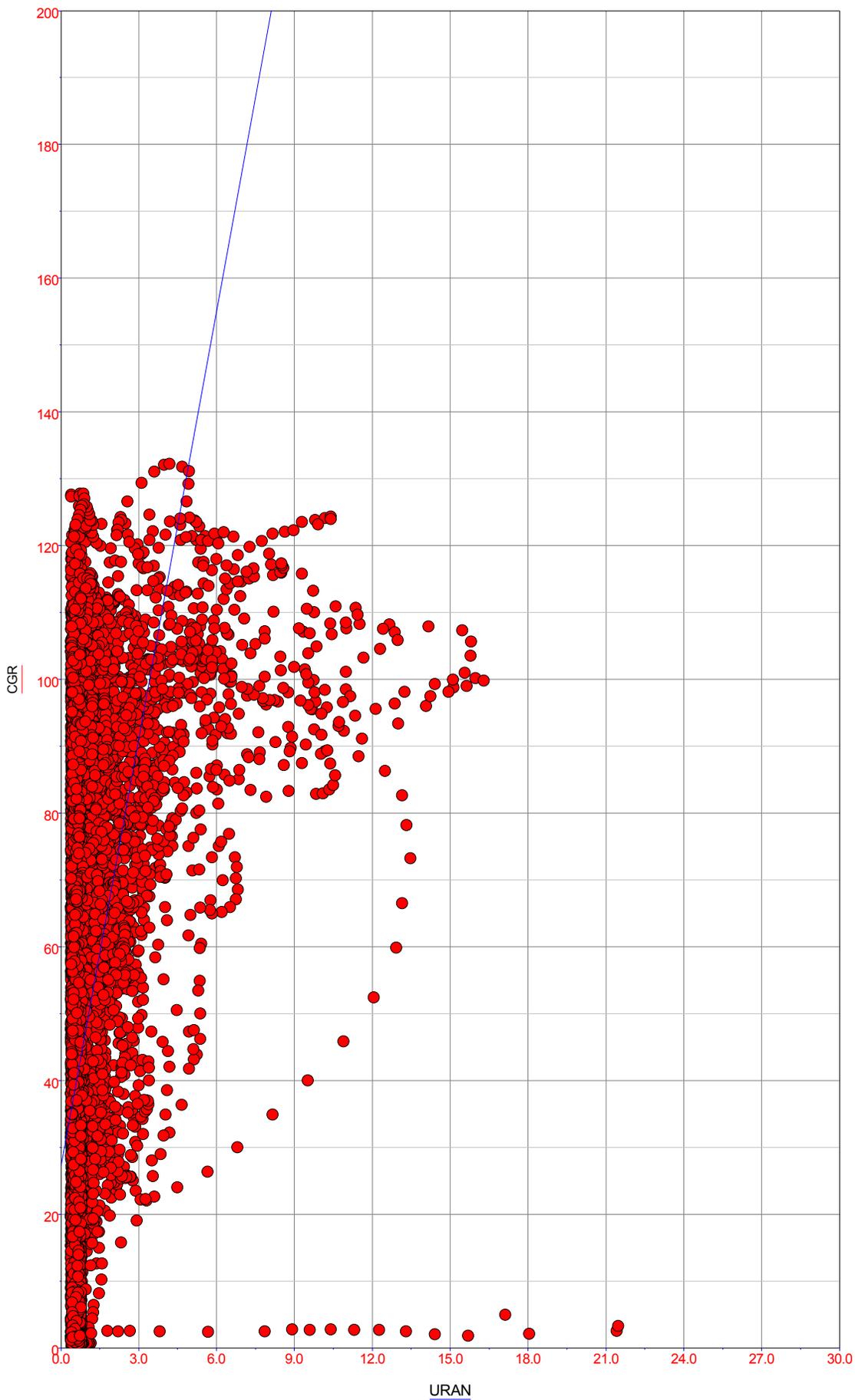
$$y = 11.101350 + 1438.106079x \quad r = 0.744138$$



OHIO GEOLOGICAL SURVEY C#2626

J.GOINS
CGR v URAN

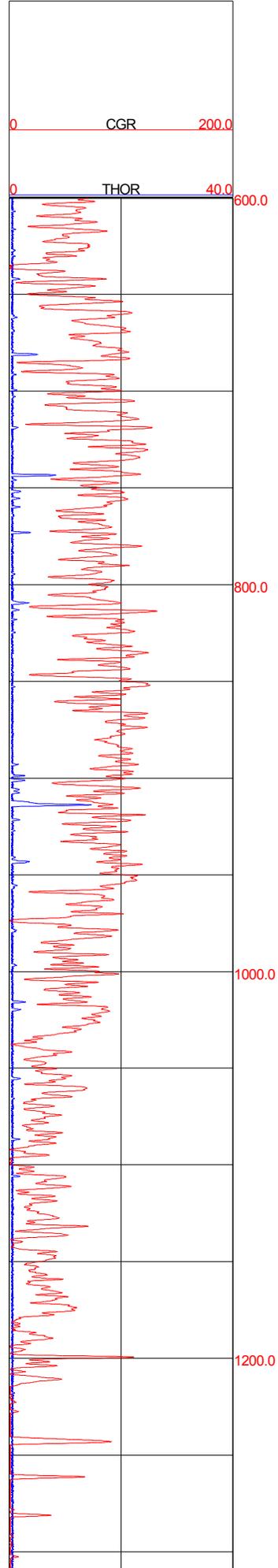
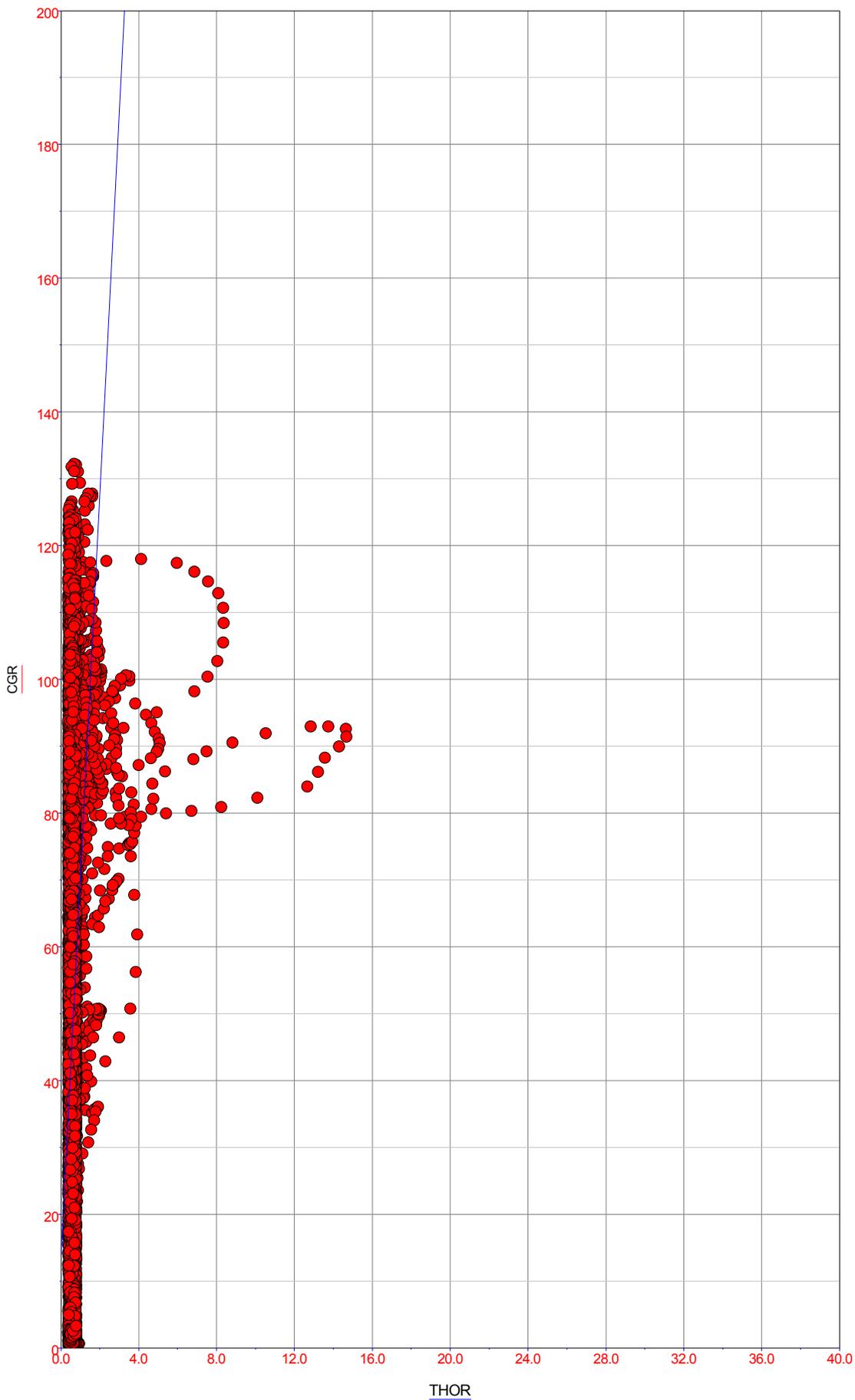
Active Well Regression Analysis Equations:
 $y = 27.249260 + 21.332726x$ $r = 0.313458$



OHIO GEOLOGICAL SURVEY C#2626

J.GOINS
CGR v THOR

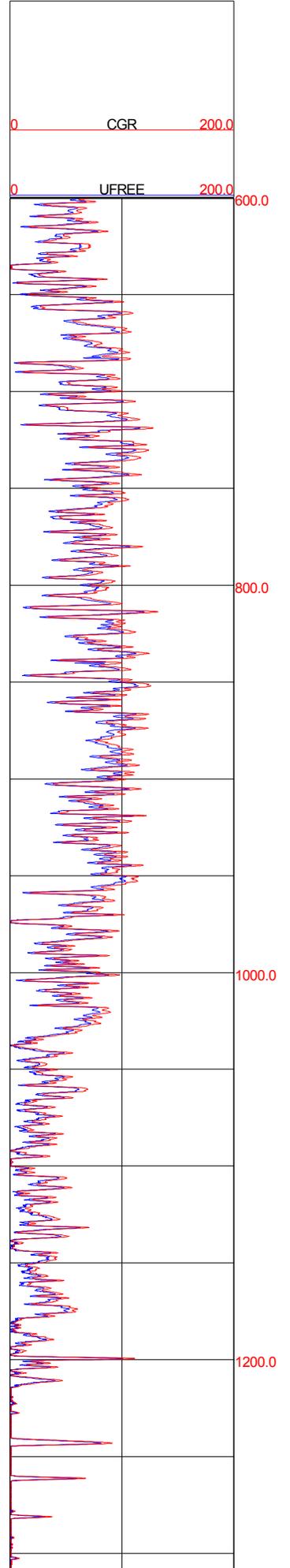
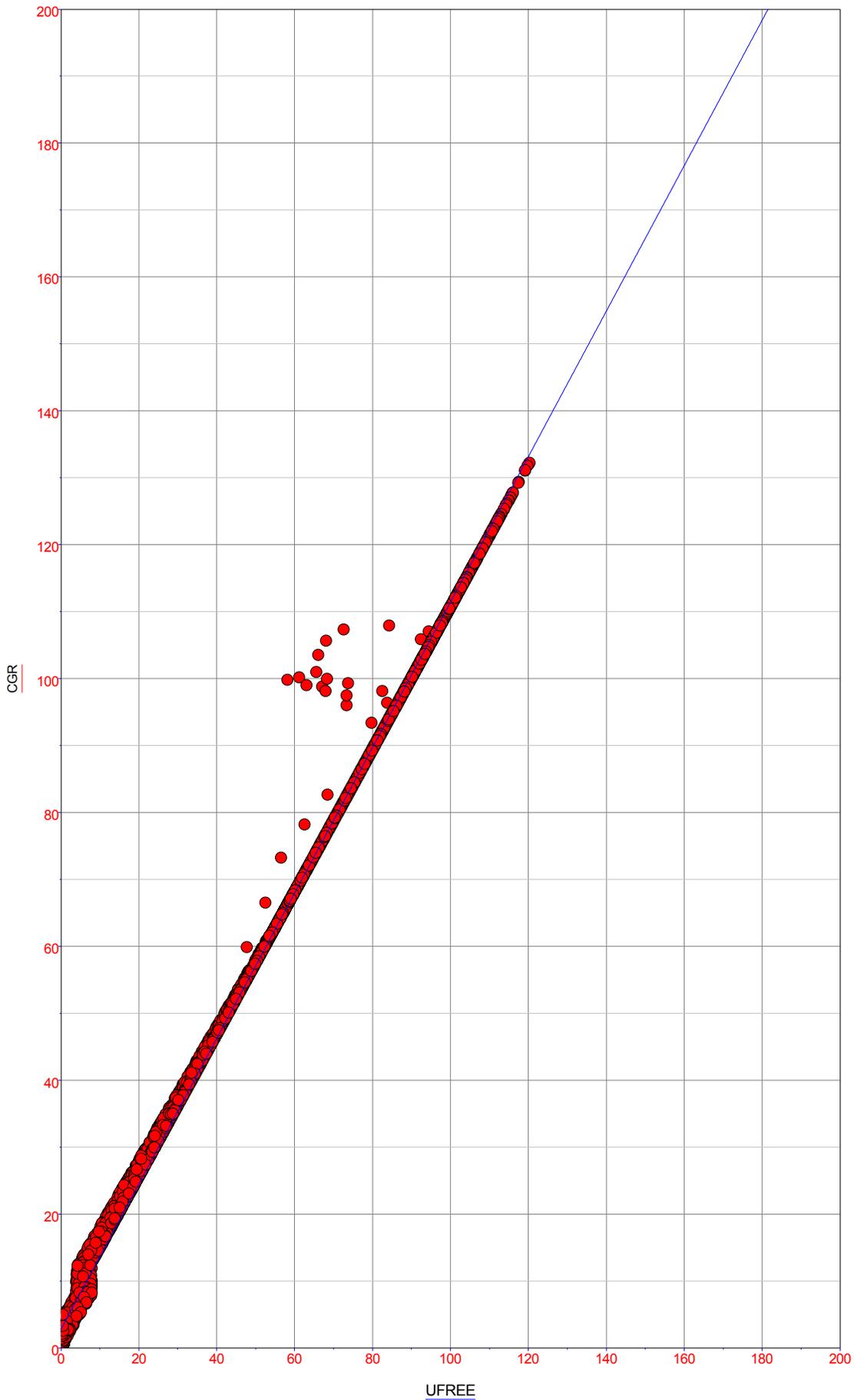
Active Well Regression Analysis Equations:
 $y = 13.857788 + 57.185234x$ $r = 0.134698$



OHIO GEOLOGICAL SURVEY C#2626

J.GOINS
CGR v UFREE

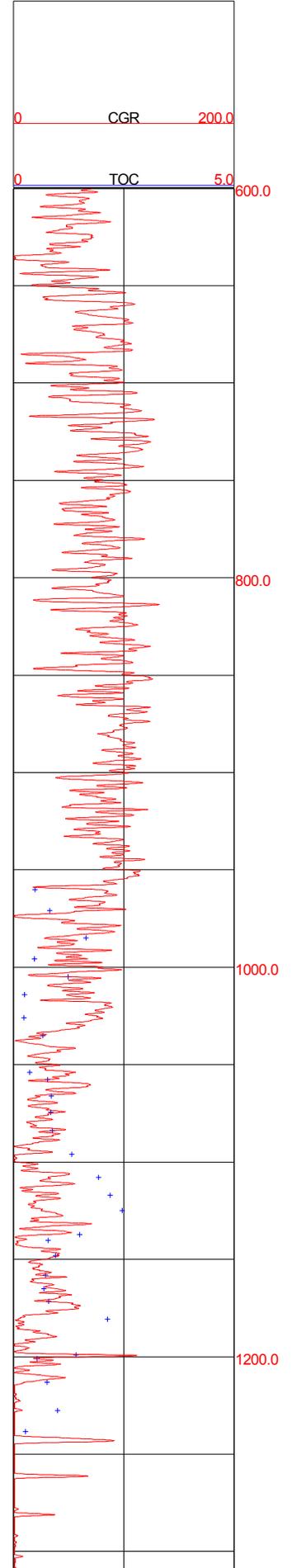
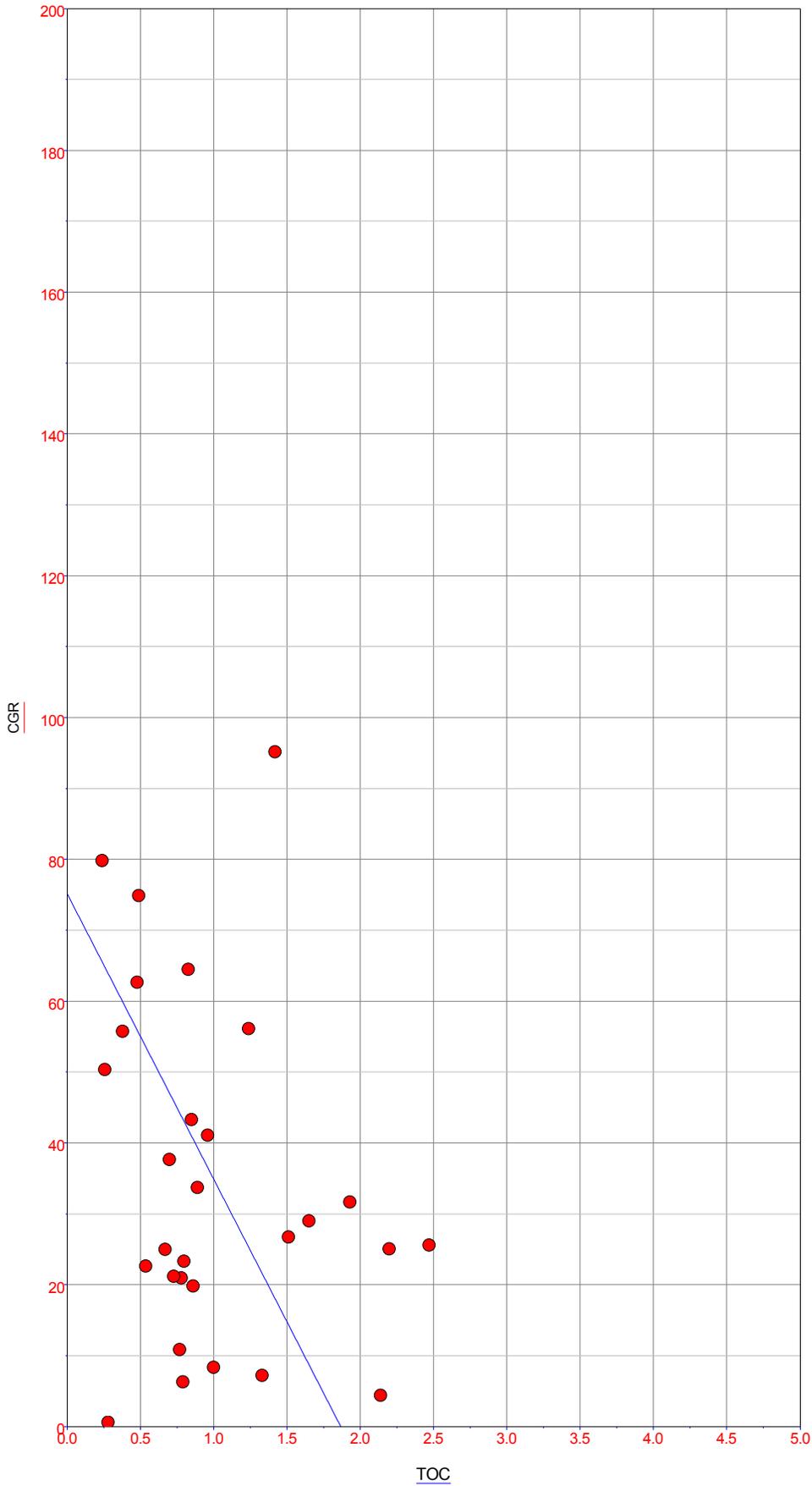
Active Well Regression Analysis Equations:
 $y = 2.811547 + 1.086774x$ $r = 0.998791$



OHIO GEOLOGICAL SURVEY C#2626

J. GOINS
CGR v TOC

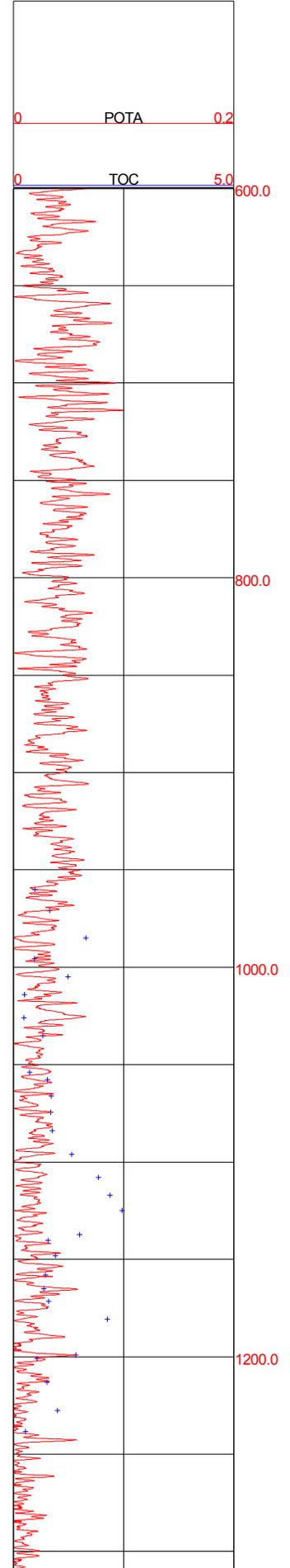
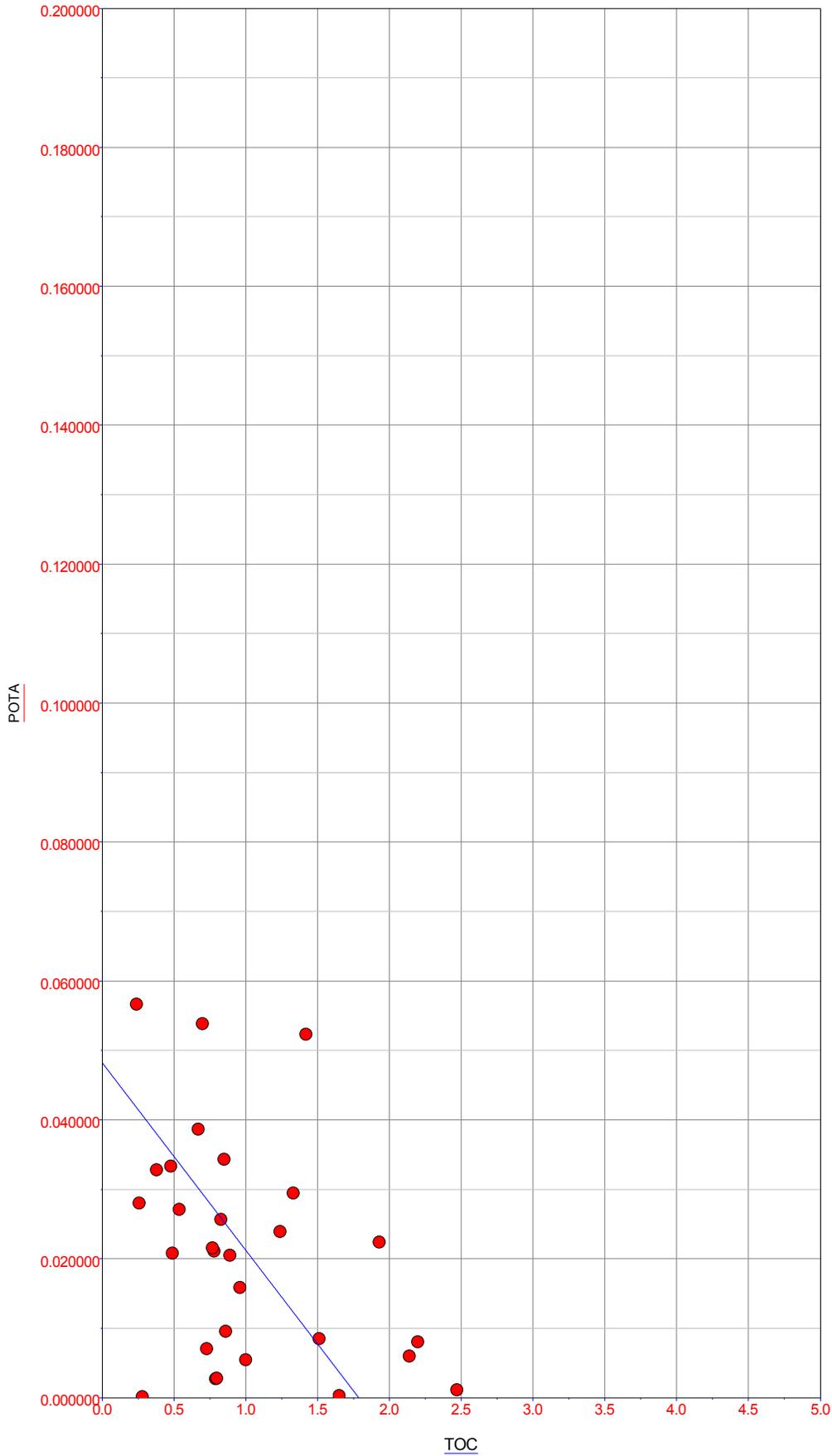
Active Well Regression Analysis Equations:
 $y = 75.120476 - 40.280365x$ $r = -0.231547$



OHIO GEOLOGICAL SURVEY C#2626

J. GOINS POTA v TOC

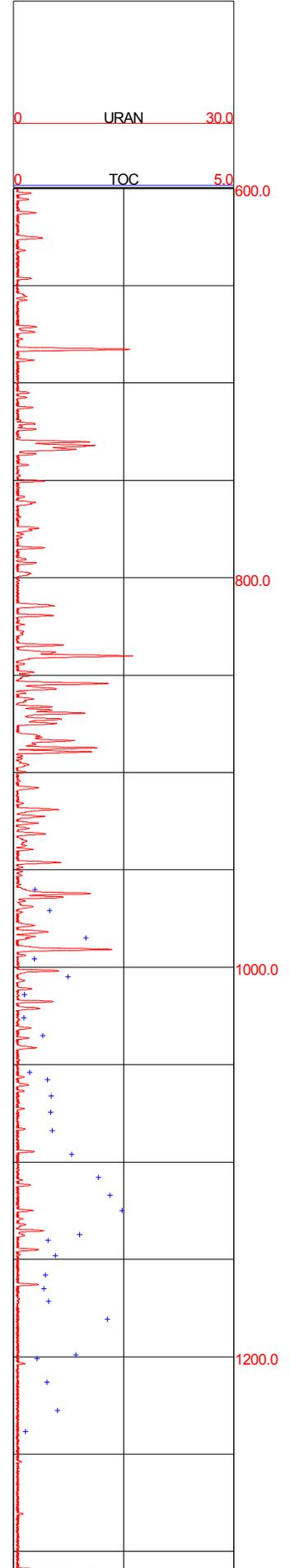
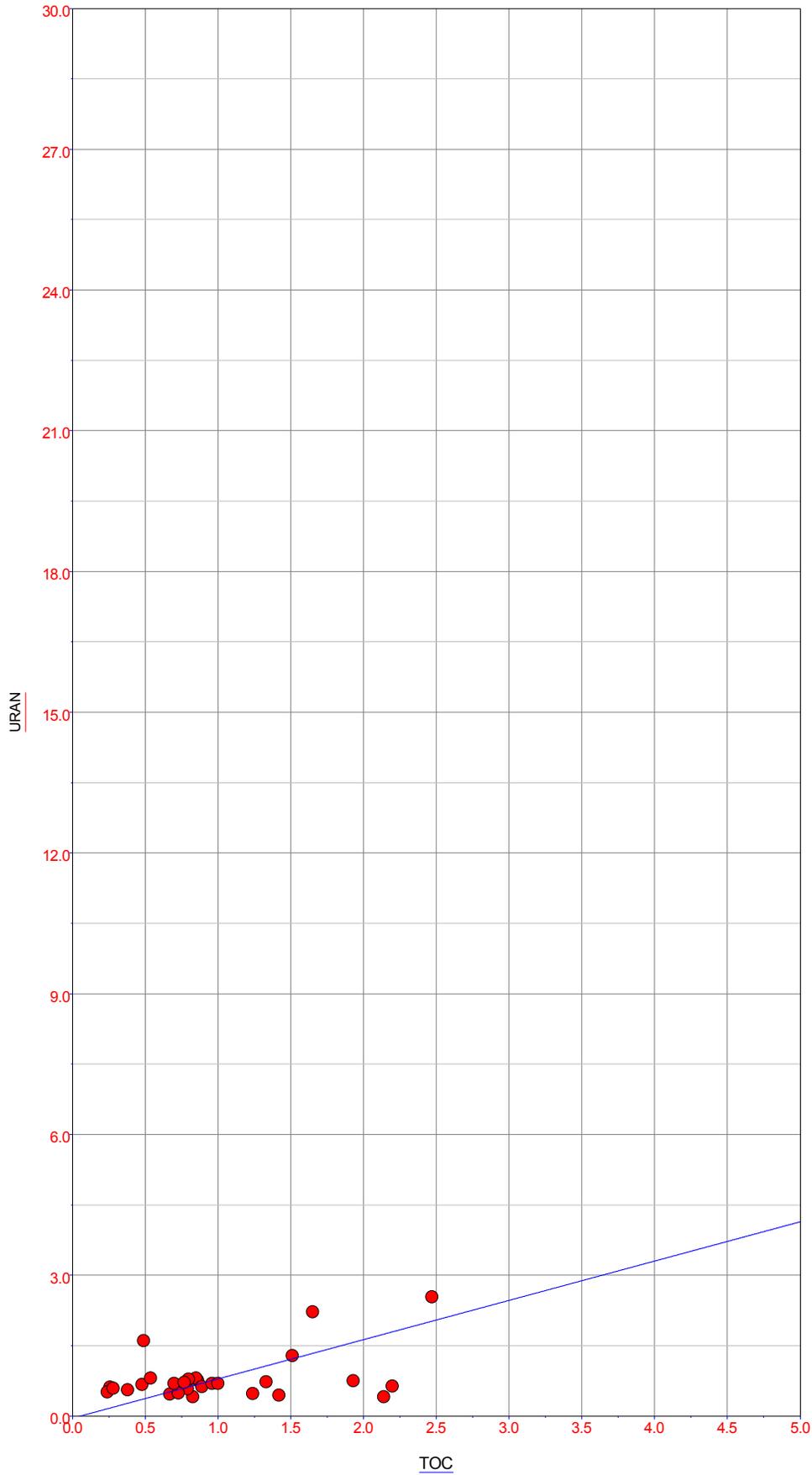
Active Well Regression Analysis Equations:
 $y = 0.048186 - 0.027002x$ $r = -0.377240$



OHIO GEOLOGICAL SURVEY C#2626

J. GOINS URAN v TOC

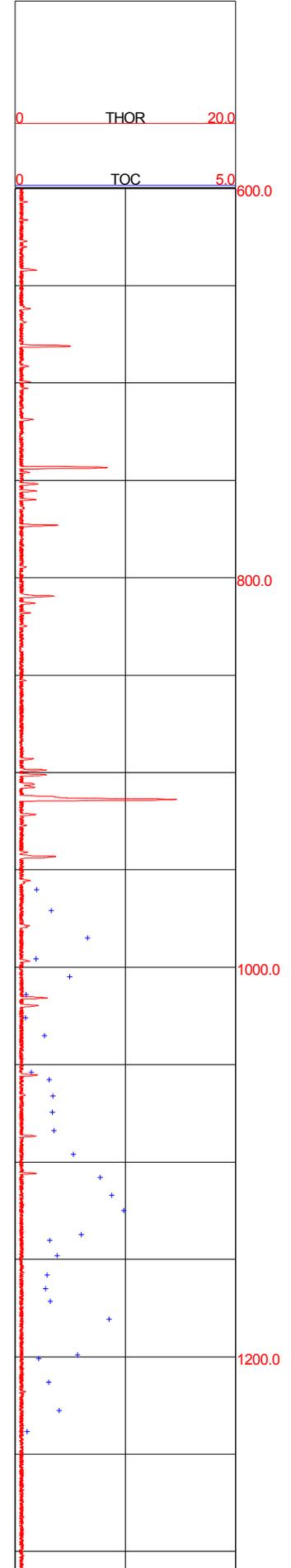
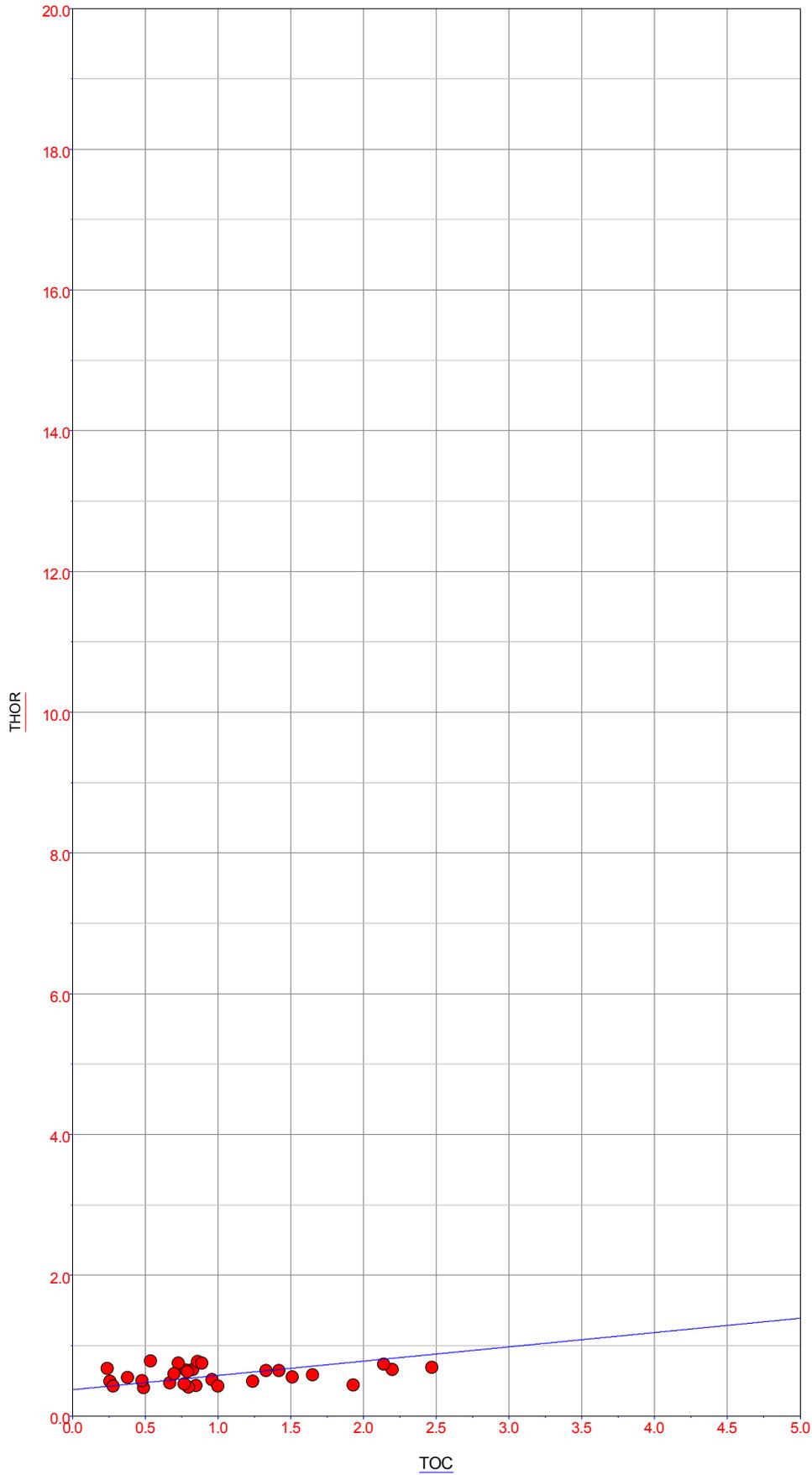
Active Well Regression Analysis Equations:
 $y = -0.047765 + 0.837450x$ $r = 0.416935$



OHIO GEOLOGICAL SURVEY C#2626

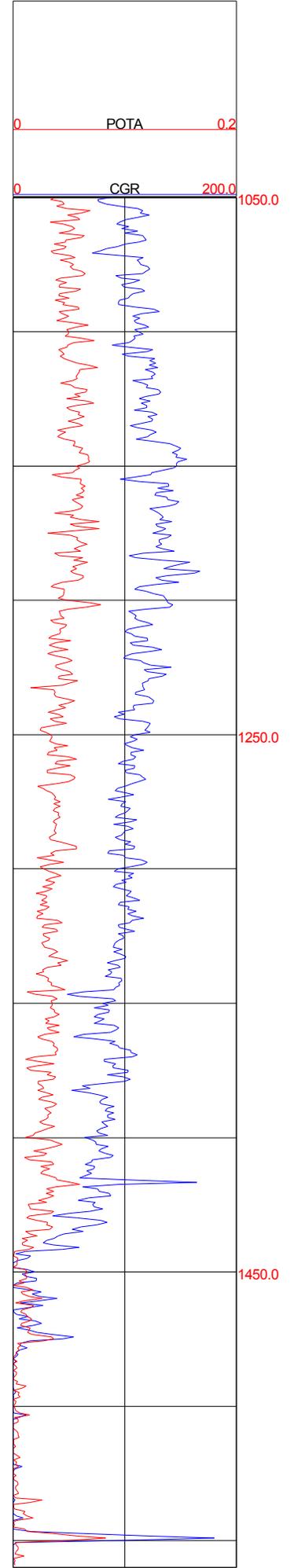
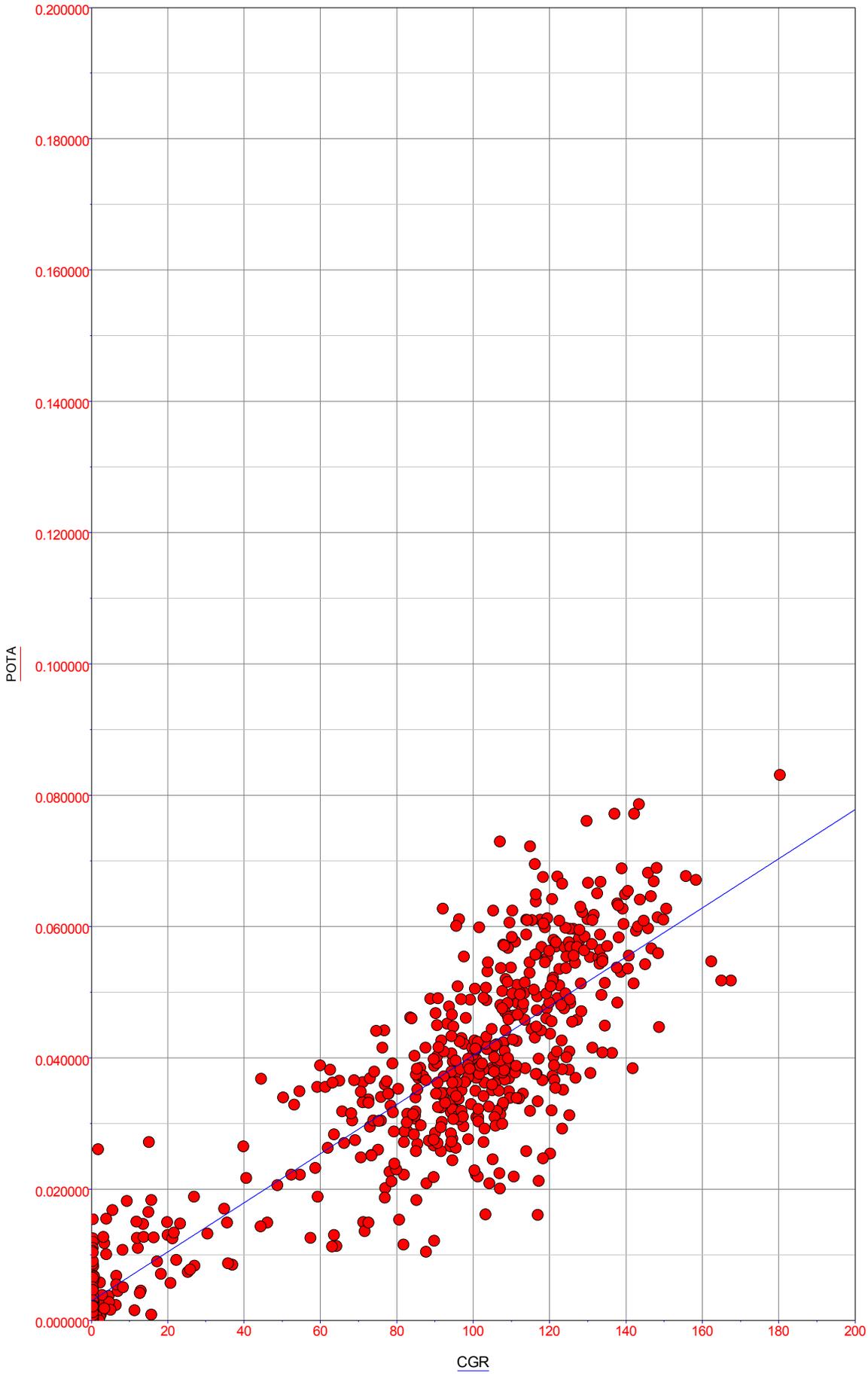
J. GOINS THOR v TOC

Active Well Regression Analysis Equations:
 $y = 0.371884 + 0.203335x$ $r = 0.231573$



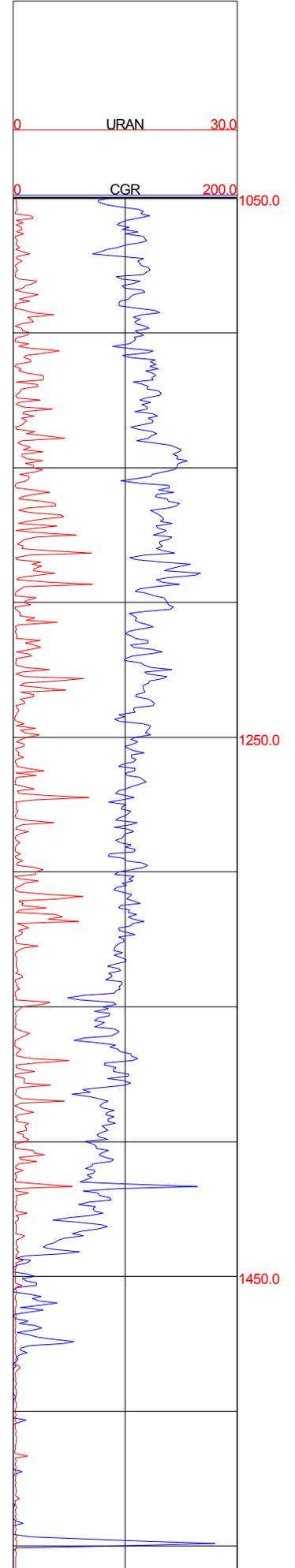
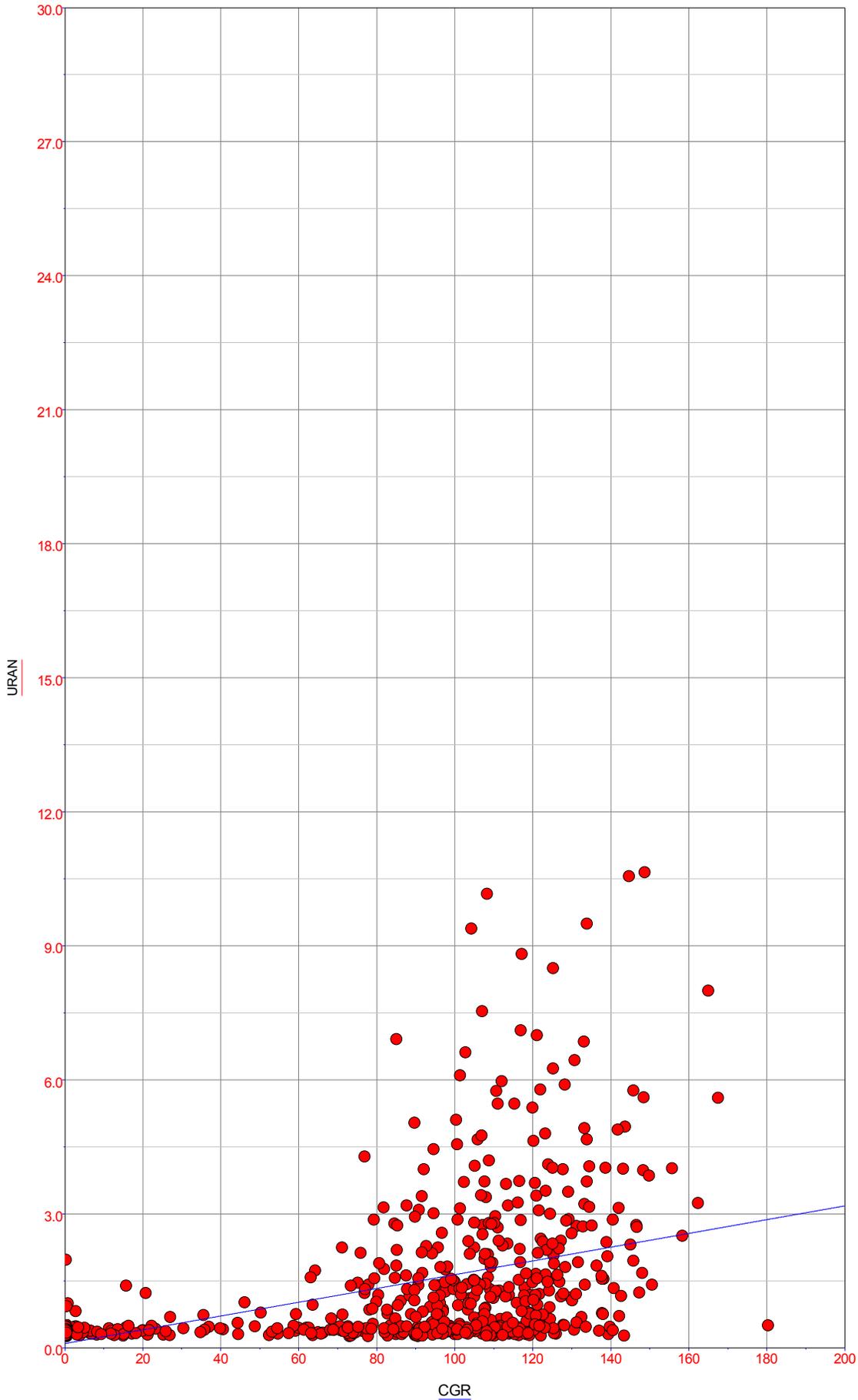
CHEVRON U.S.A.INC. PRUDENTIAL#1-A CGR v POTA

Active Well Regression Analysis Equations:
 $y = 0.002947 + 0.000374x$ $r = 0.890881$



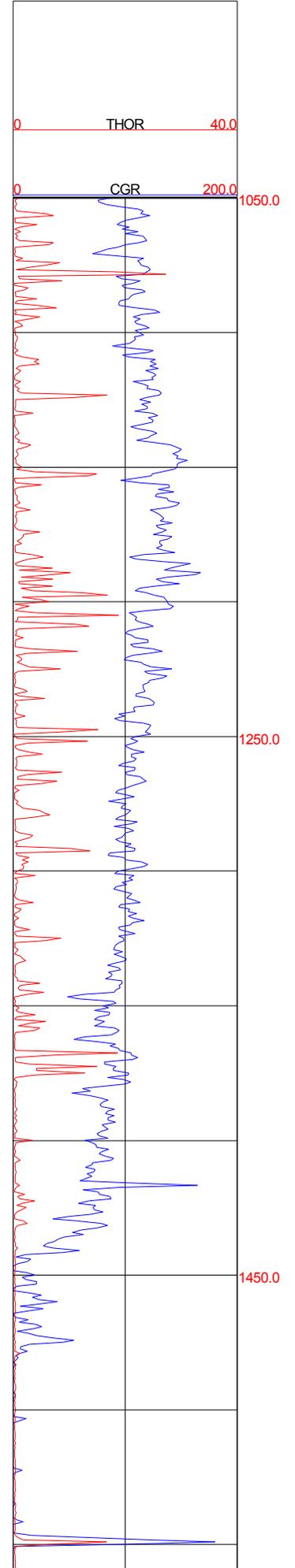
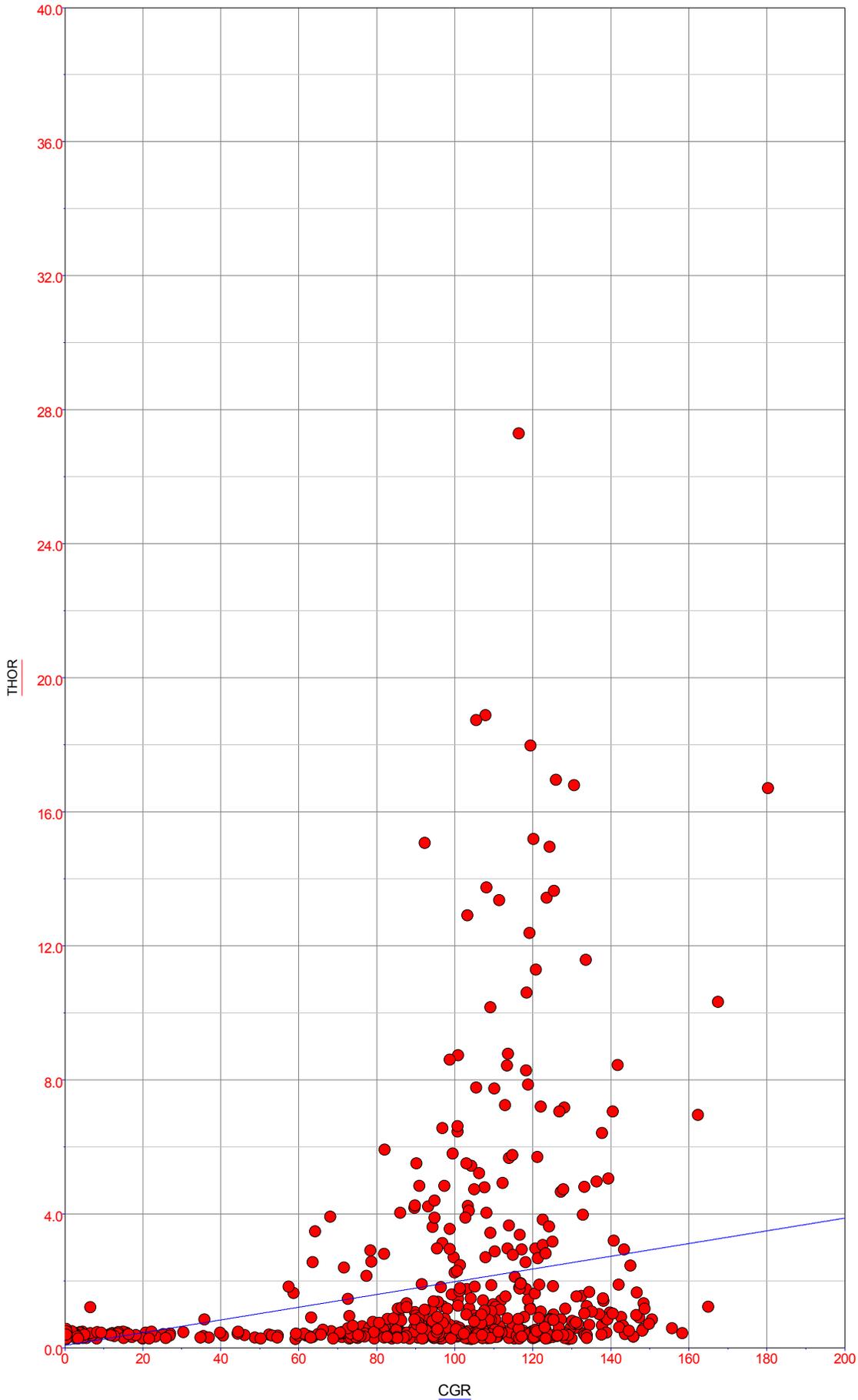
CHEVRON U.S.A.INC. PRUDENTIAL#1-A CGR v URAN

Active Well Regression Analysis Equations:
 $y = 0.095934 + 0.015404x$ $r = 0.427385$



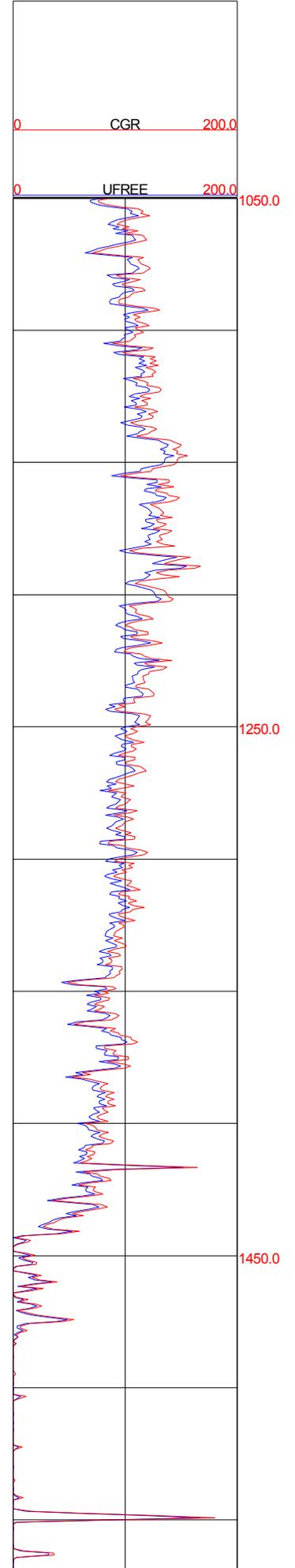
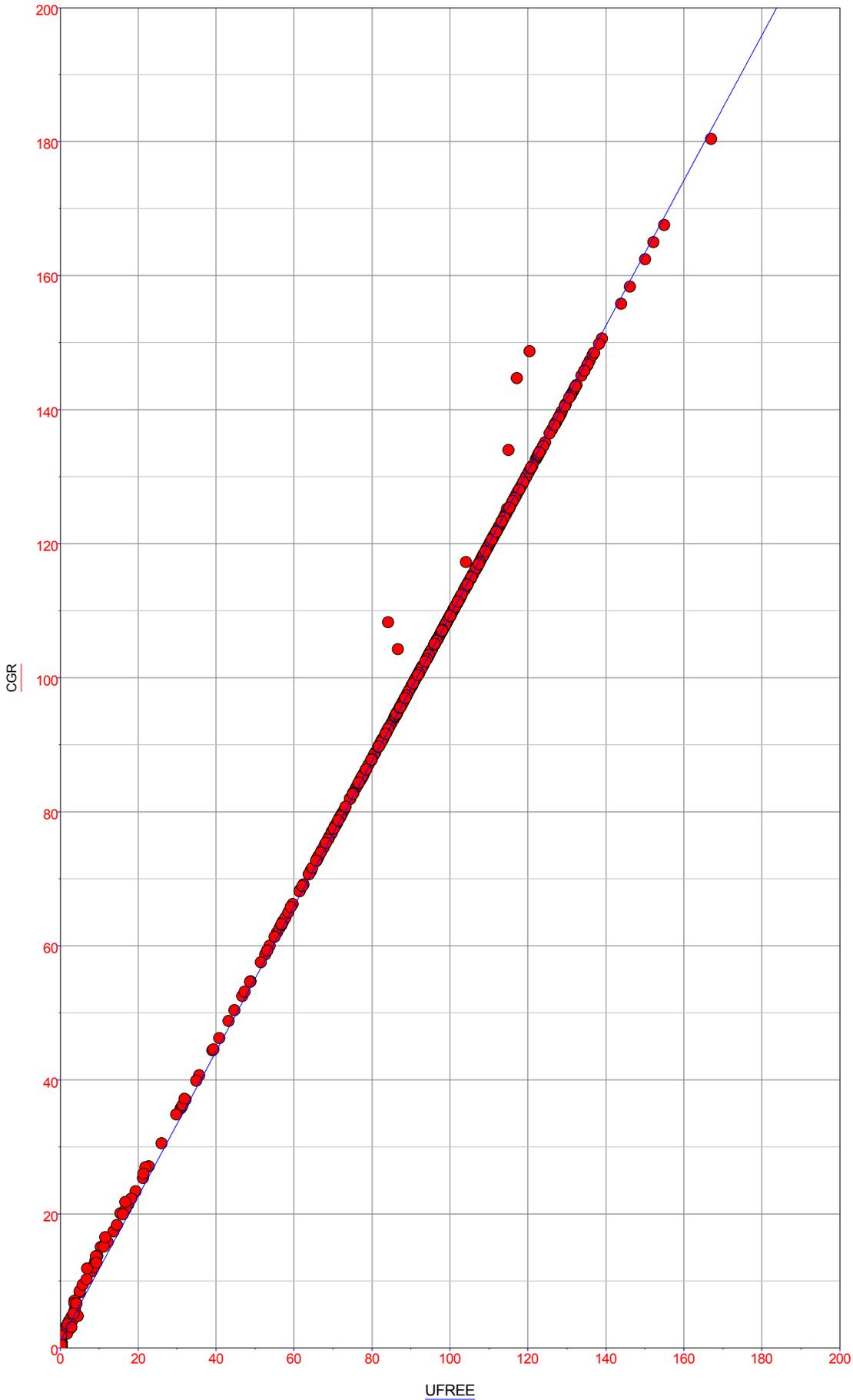
CHEVRON U.S.A.INC. PRUDENTIAL#1-A CGR v THOR

Active Well Regression Analysis Equations:
 $y = 0.071501 + 0.018994x$ $r = 0.289937$



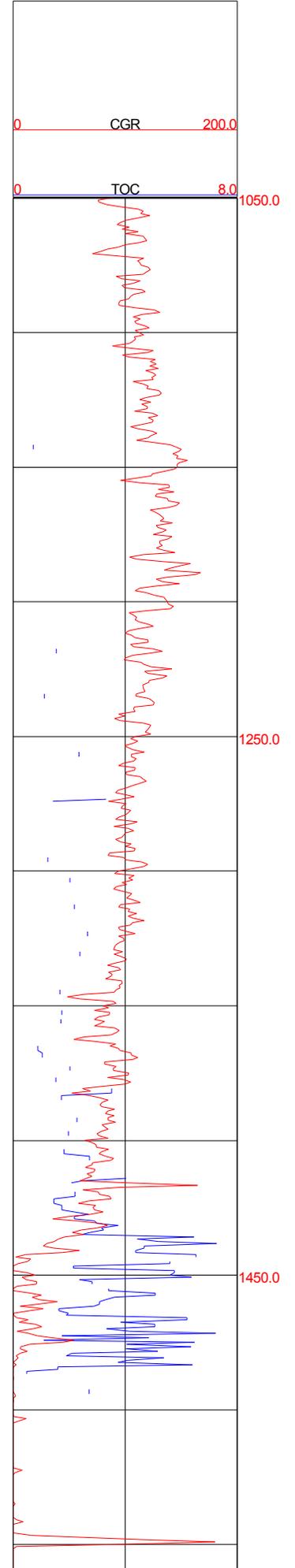
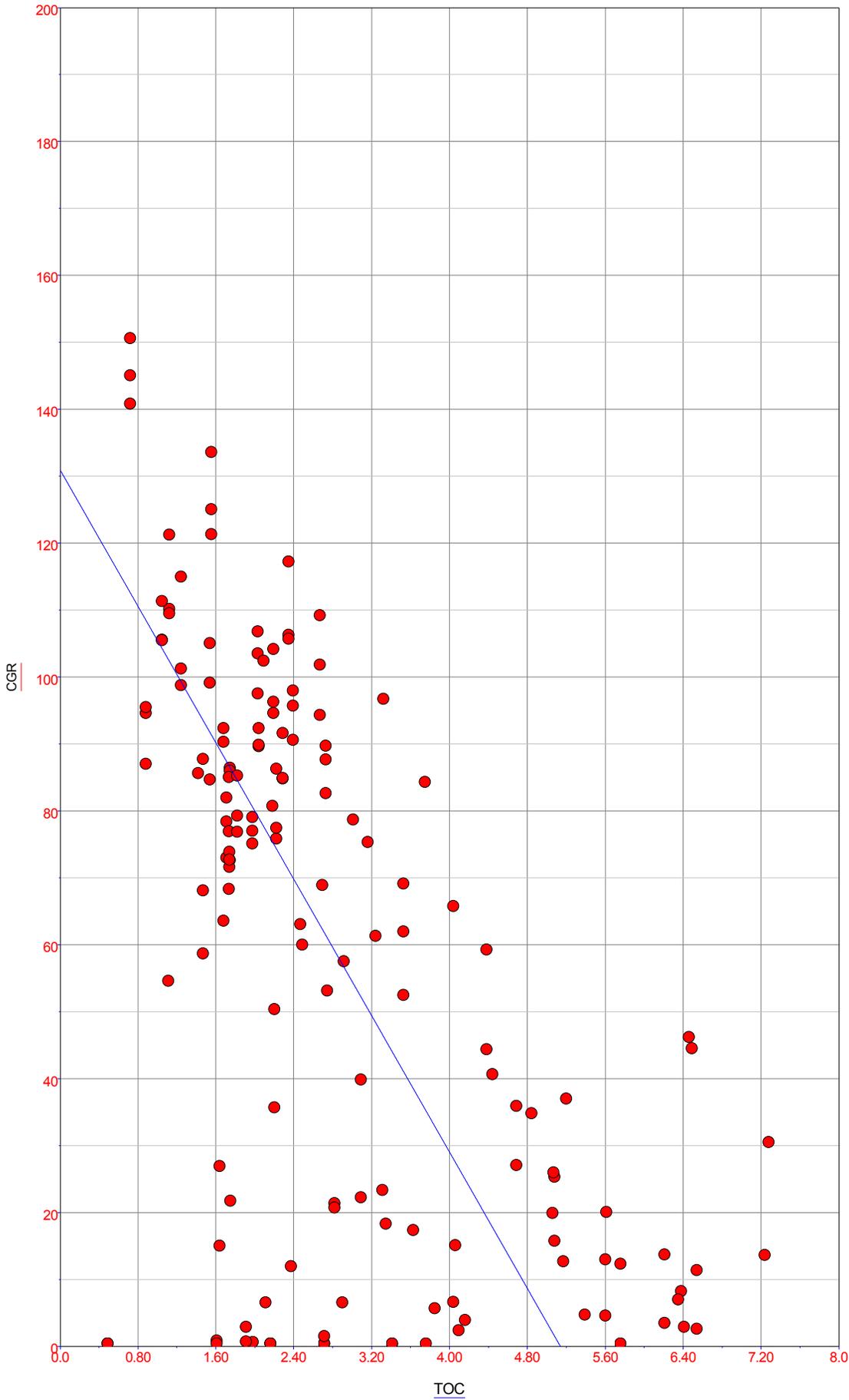
CHEVRON U.S.A.INC. PRUDENTIAL#1-A CGR v UFREE

Active Well Regression Analysis Equations:
 $y = 0.992415 + 1.083056x$ $r = 0.999526$



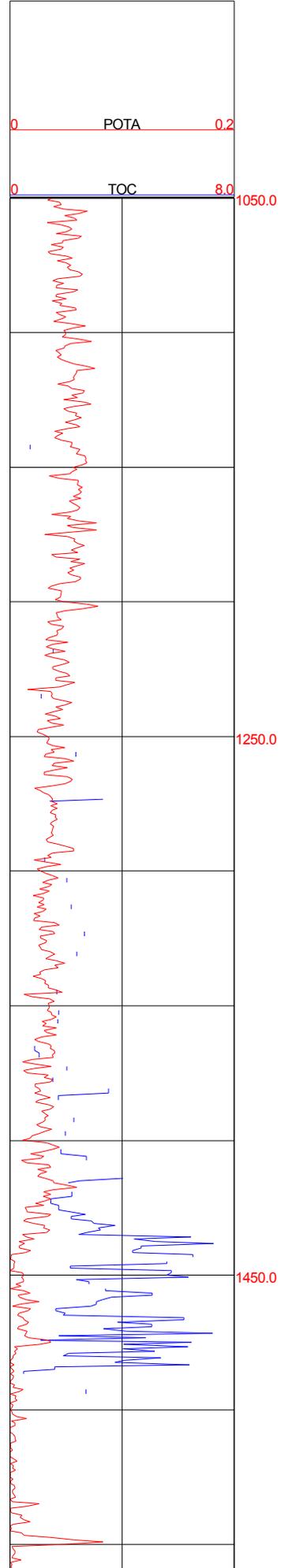
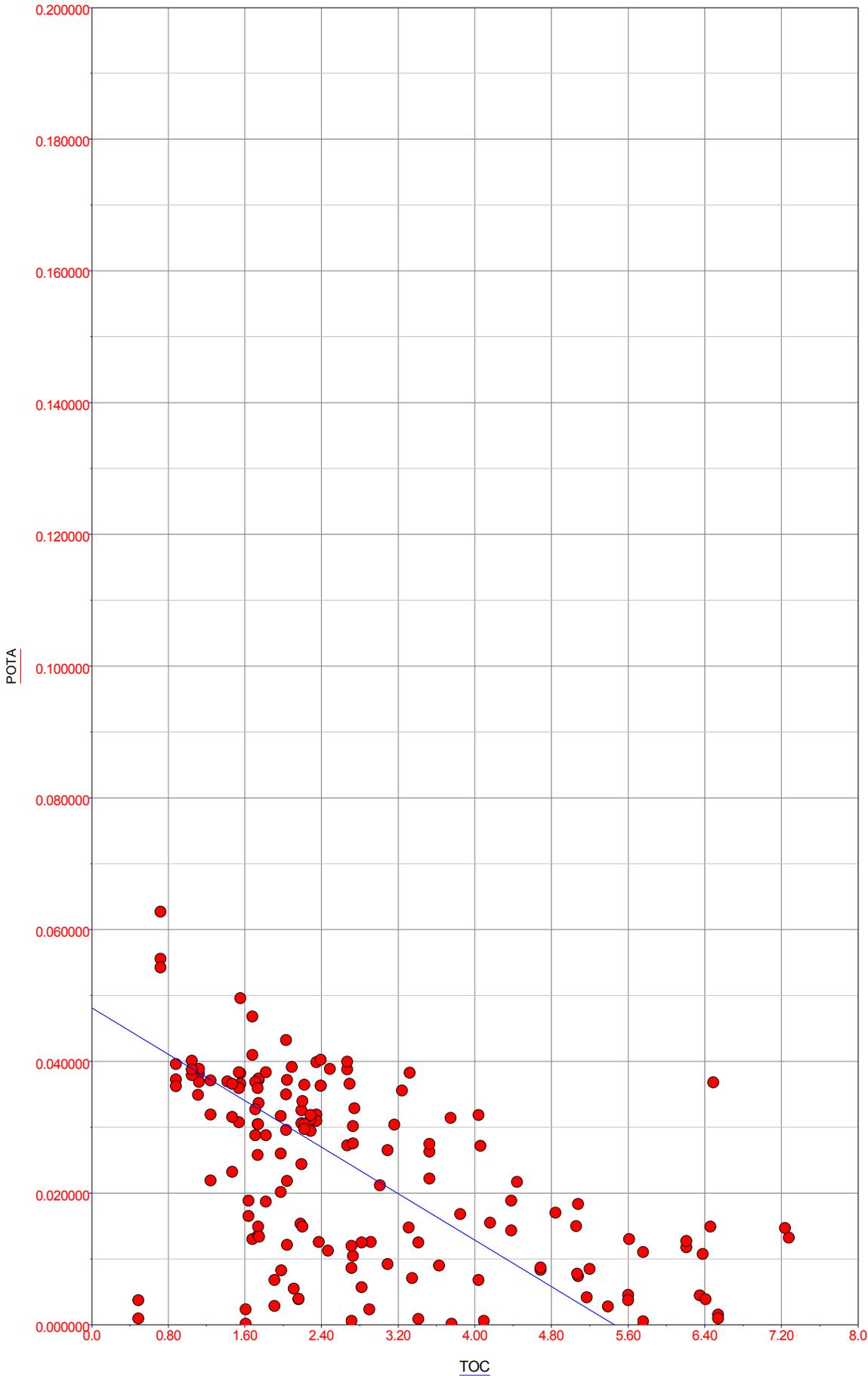
CHEVRON U.S.A.INC. PRUDENTIAL#1-A CGR v TOC

Active Well Regression Analysis Equations:
 $y = 130.879089 - 25.481146x$ $r = -0.579177$



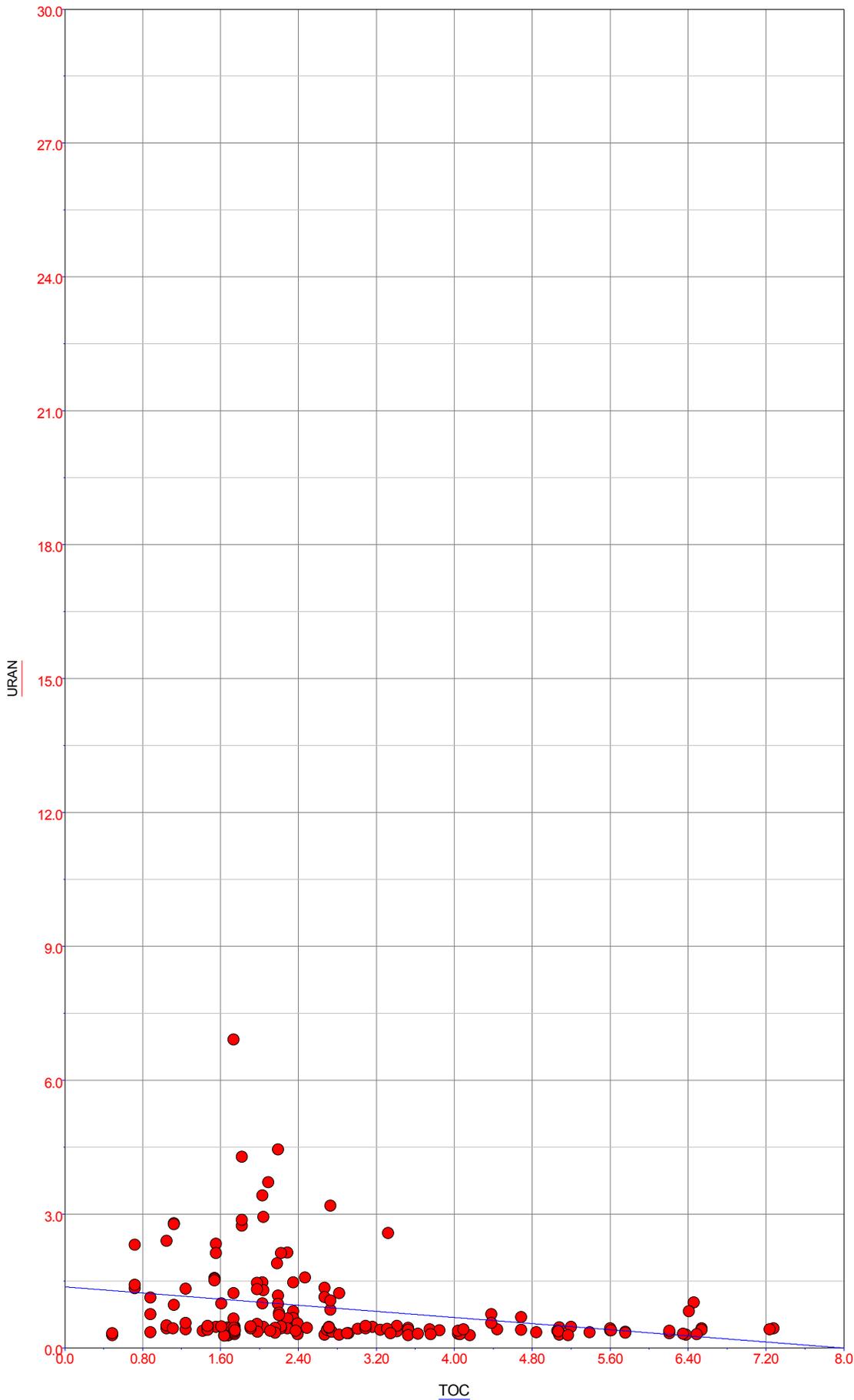
CHEVRON U.S.A.INC. PRUDENTIAL#1-A POTA v TOC

Active Well Regression Analysis Equations:
 $y = 0.048092 - 0.008820x$ $r = -0.523432$



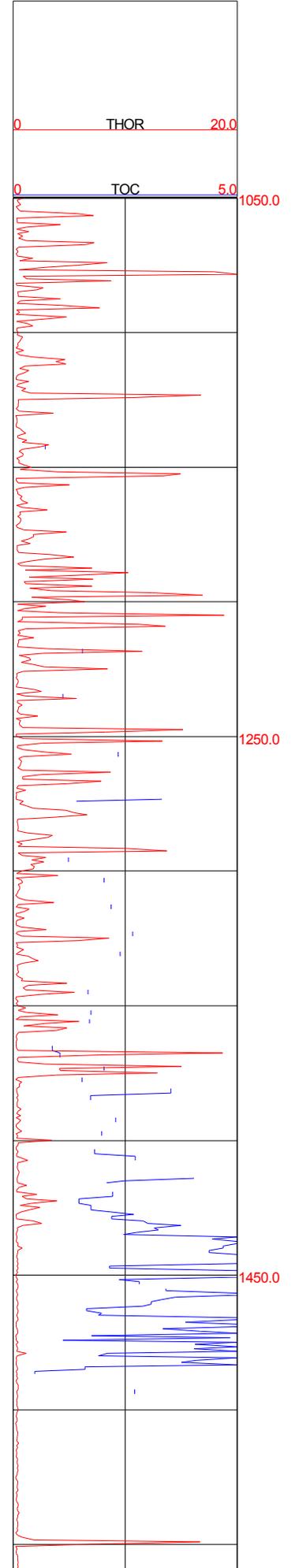
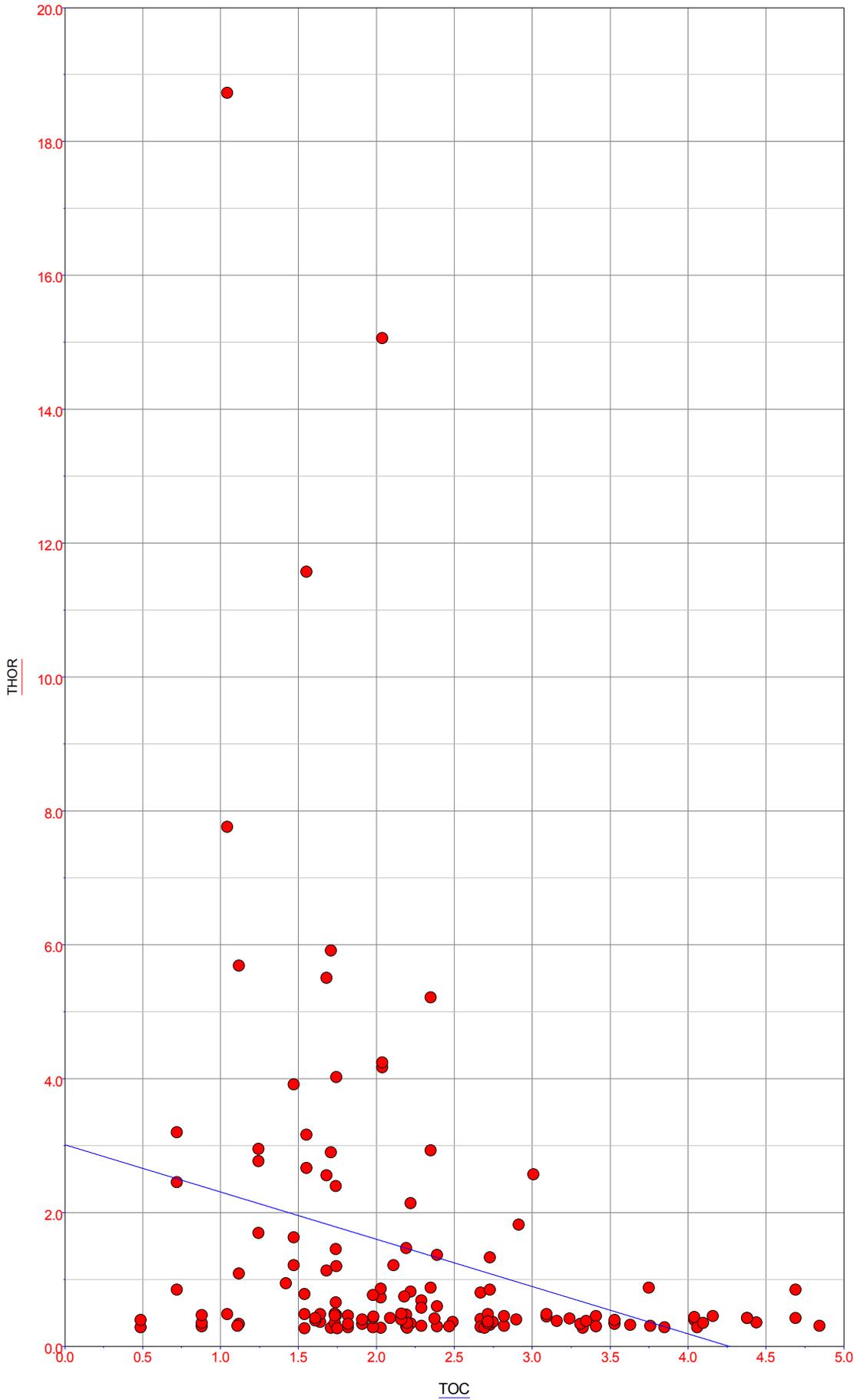
CHEVRON U.S.A.INC. PRUDENTIAL#1-A URAN v TOC

Active Well Regression Analysis Equations:
 $y = 1.365159 - 0.171489x$ $r = -0.283709$



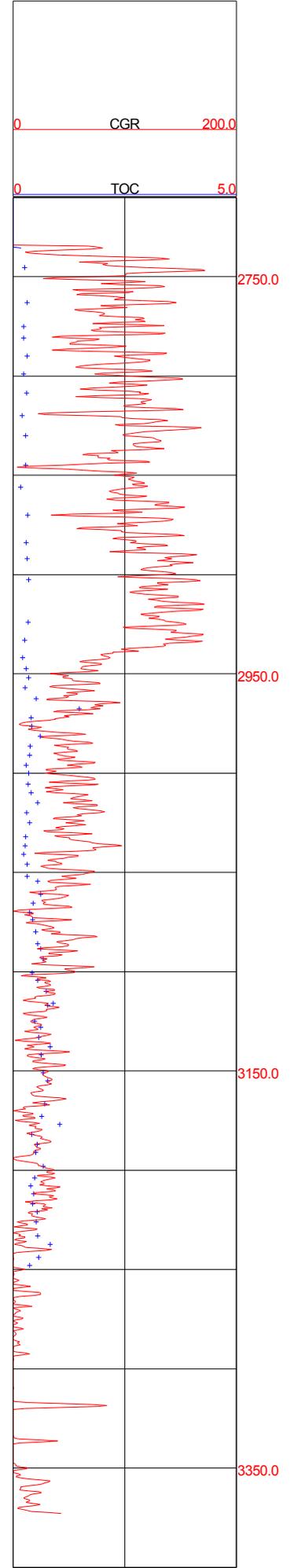
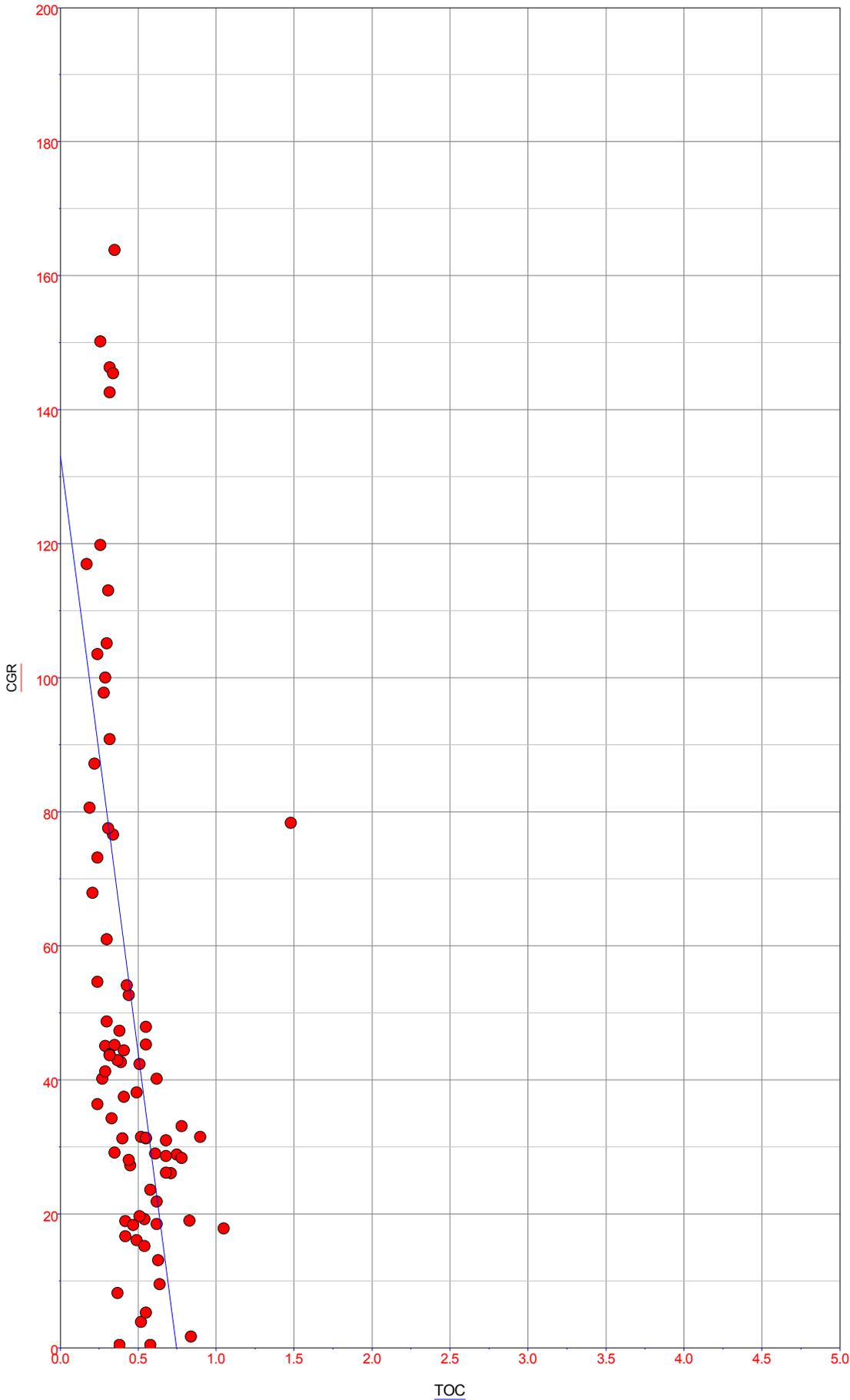
CHEVRON U.S.A.INC. PRUDENTIAL#1-A THOR v TOC

Active Well Regression Analysis Equations:
 $y = 3.010592 - 0.706405x$ $r = -0.268111$



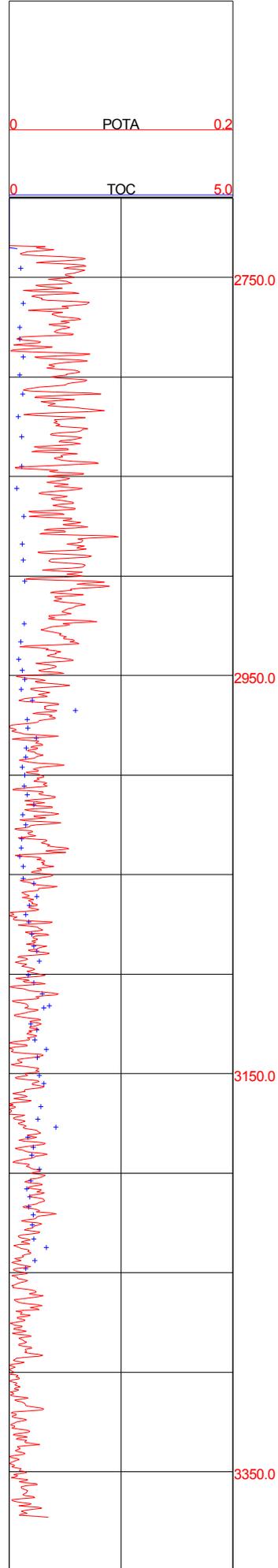
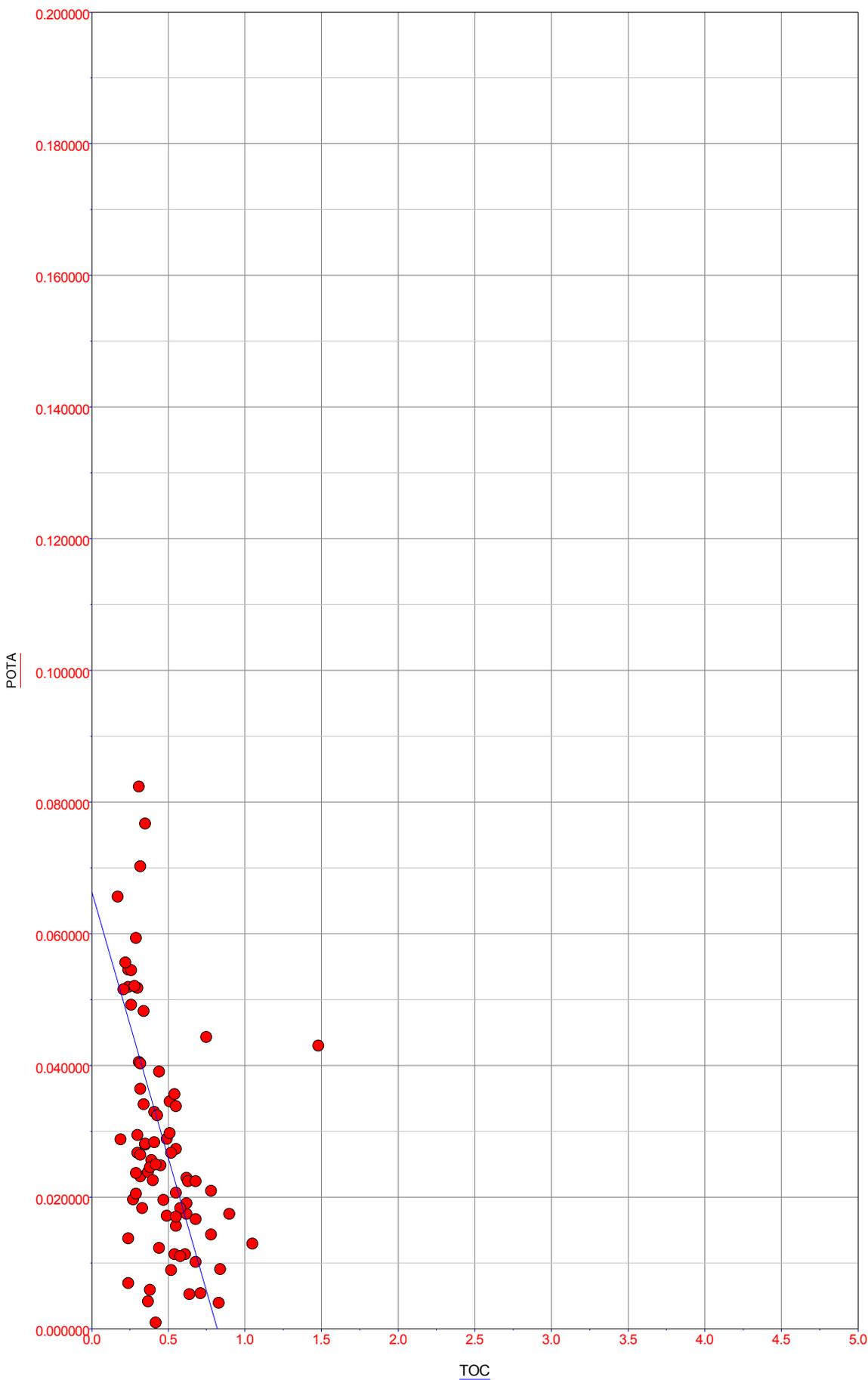
ARISTECH CHEMICAL CO TEST/MONITOR WELL#4 CGR v TOC

Active Well Regression Analysis Equations:
 $y = 133.133926 - 178.874268x$ $r = -0.441209$



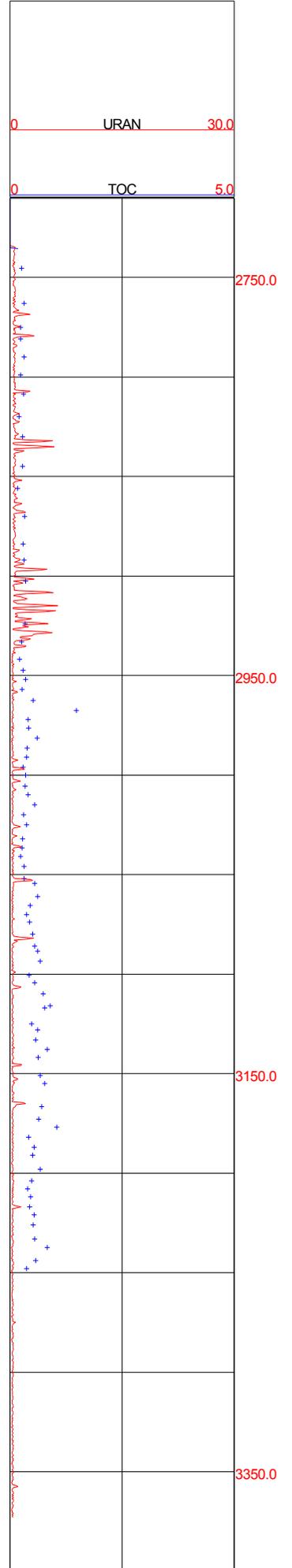
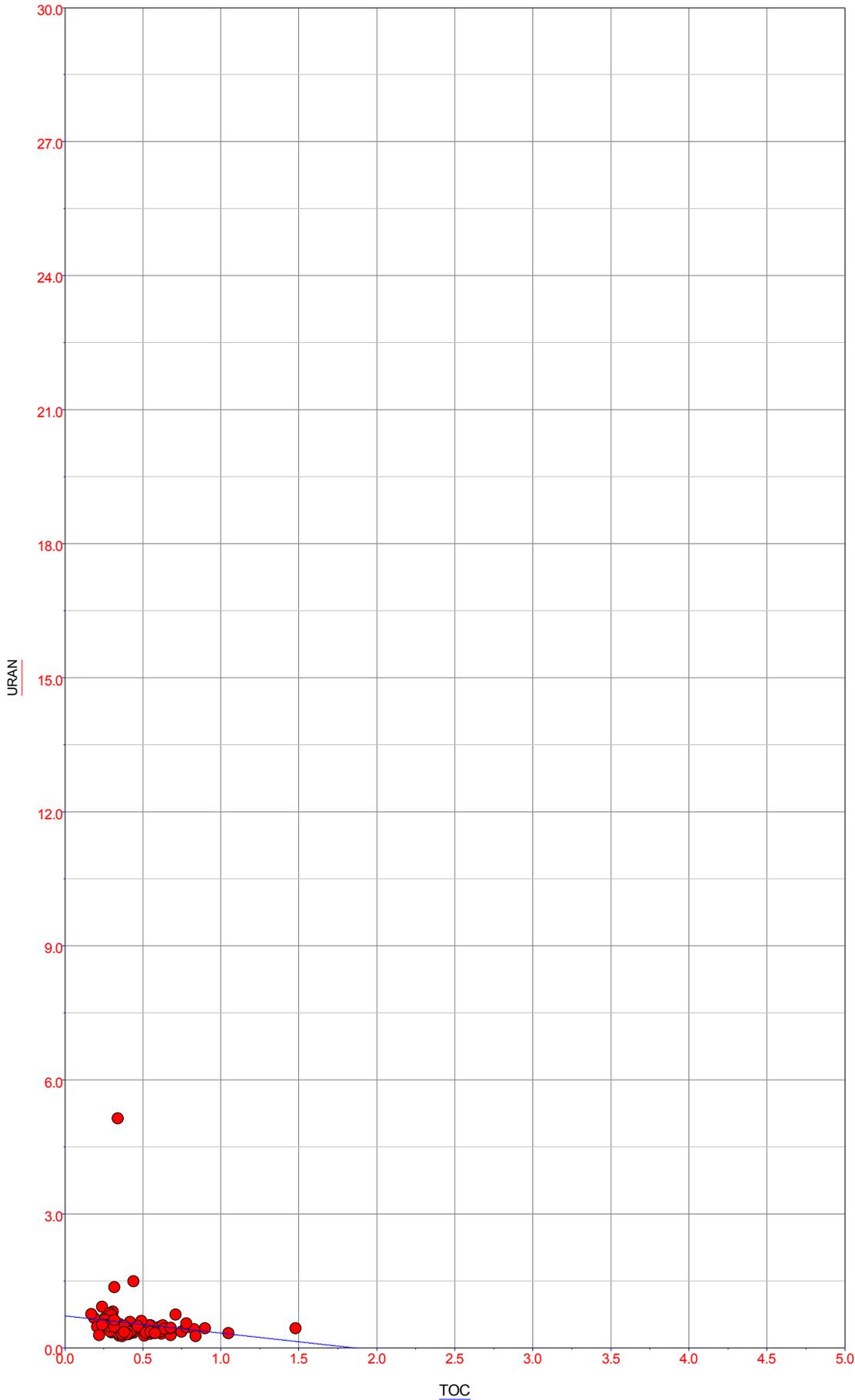
ARISTECH CHEMICAL CO TEST/MONITOR WELL#4 POTA v TOC

Active Well Regression Analysis Equations:
 $y = 0.066369 - 0.081123x$ $r = -0.384150$



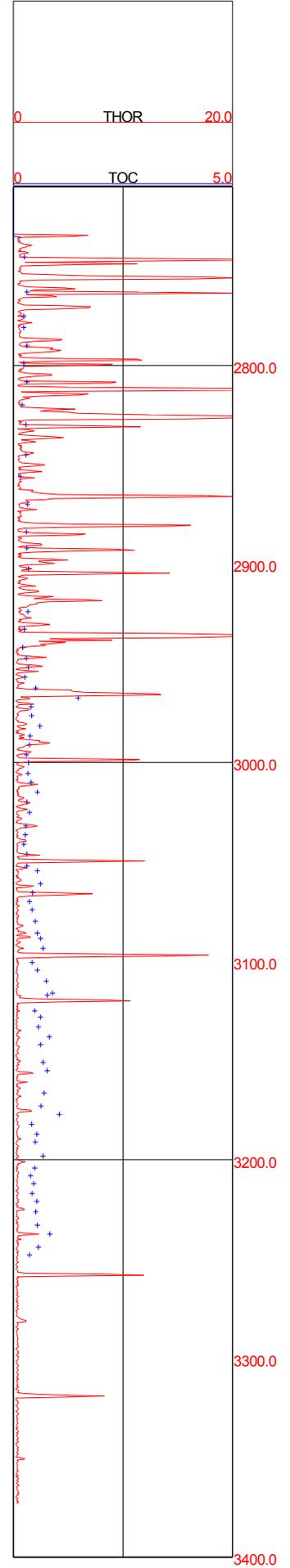
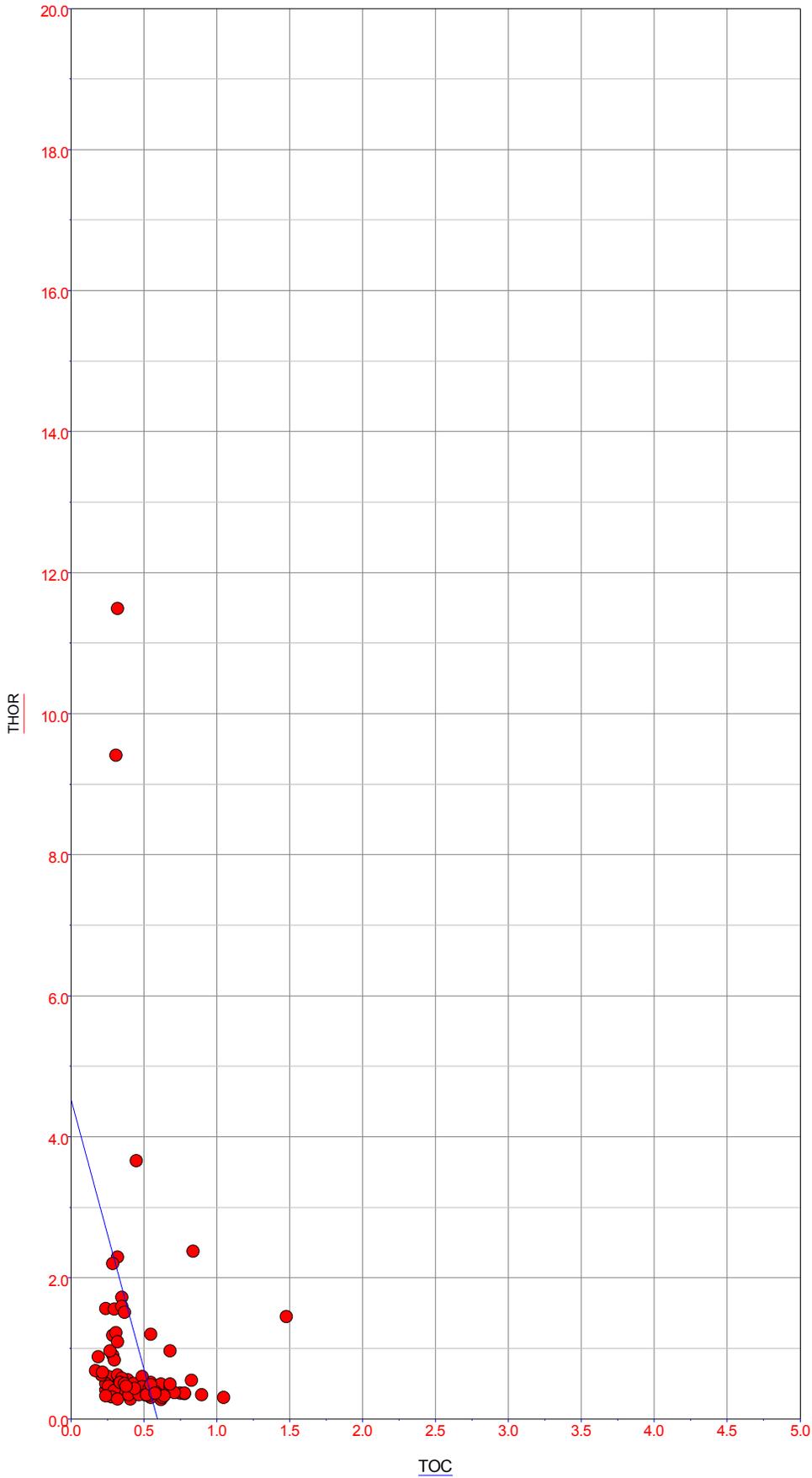
ARISTECH CHEMICAL CO TEST/MONITOR WELL#4 URAN v TOC

Active Well Regression Analysis Equations:
 $y = 0.714297 - 0.387492x$ $r = -0.149162$



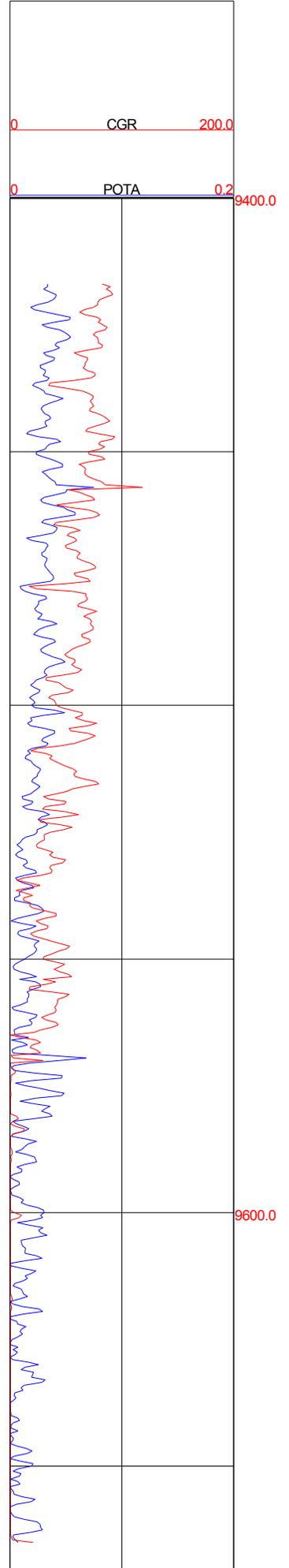
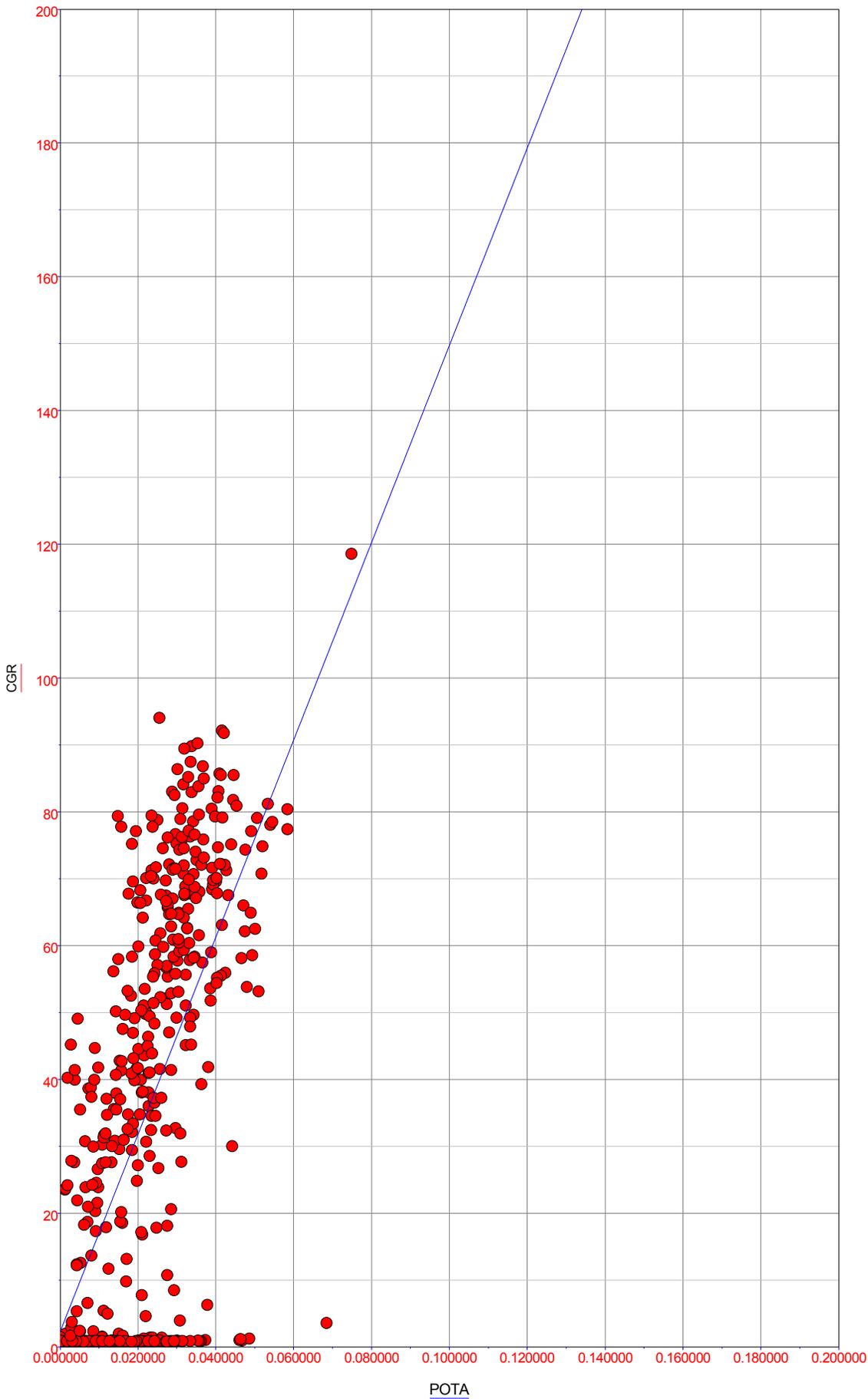
ARISTECH CHEMICAL CO TEST/MONITOR WELL#4 THOR v TOC

Active Well Regression Analysis Equations:
 $y = 4.525150 - 7.649995x$ $r = -0.136935$



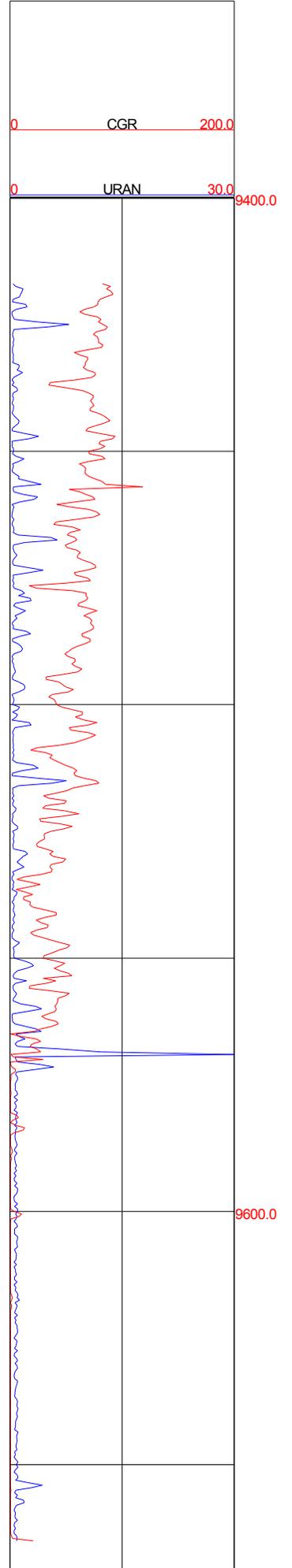
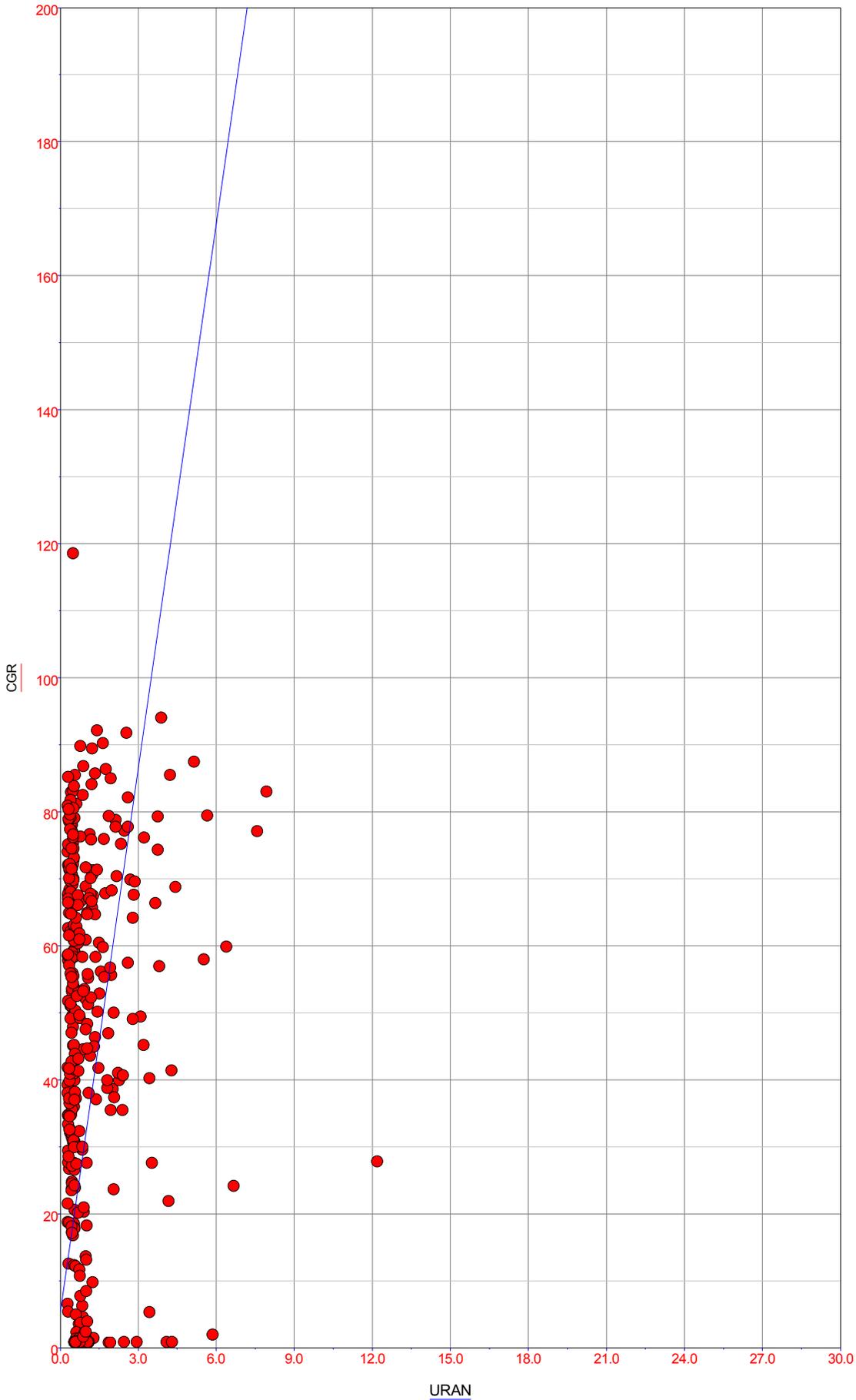
HOPE NAT GAS POWER OIL COMPANY CGR v POTA

Active Well Regression Analysis Equations:
 $y = 2.345368 + 1474.960327x$ $r = 0.667333$



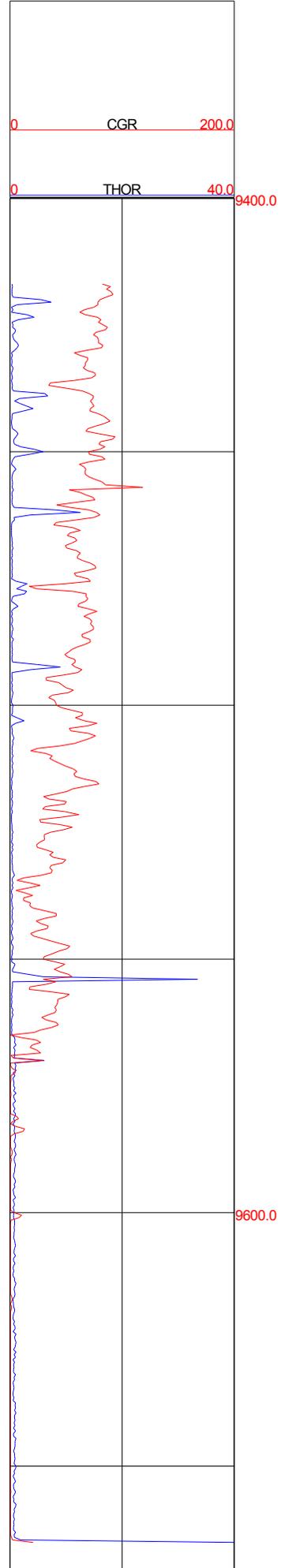
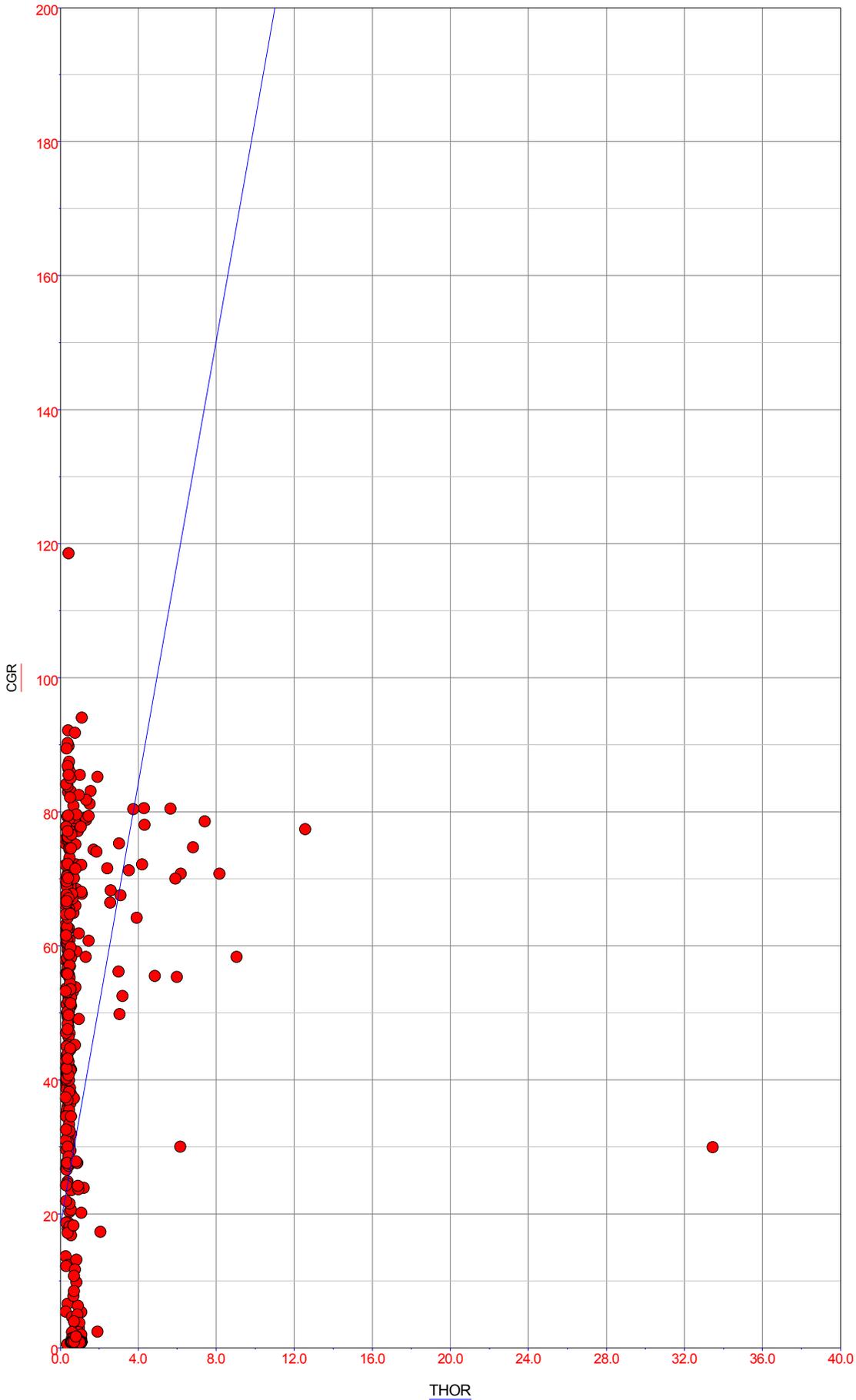
HOPE NAT GAS POWER OIL COMPANY CGR v URAN

Active Well Regression Analysis Equations:
 $y = 5.436164 + 27.097490x$ $r = 0.126573$



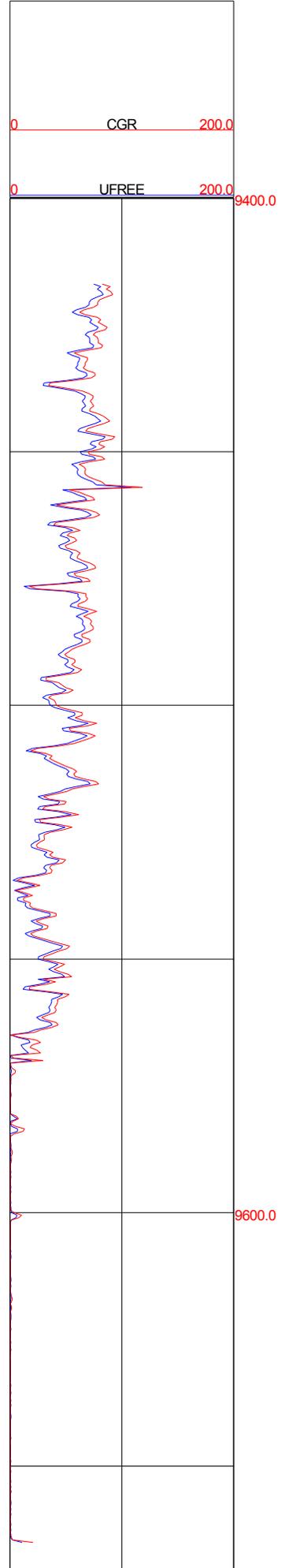
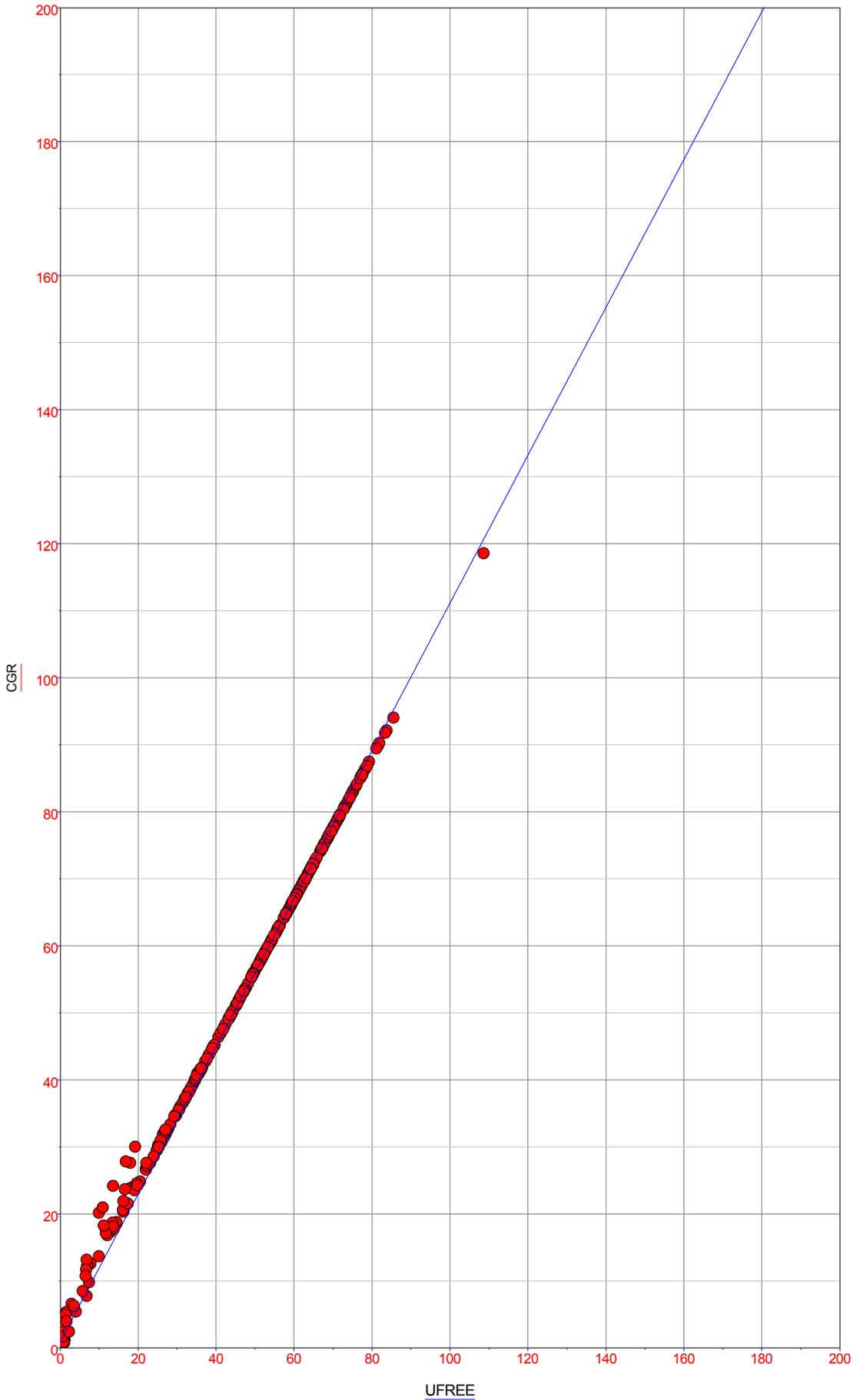
HOPE NAT GAS POWER OIL COMPANY CGR v THOR

Active Well Regression Analysis Equations:
 $y = 18.362480 + 16.518288x$ $r = 0.078014$



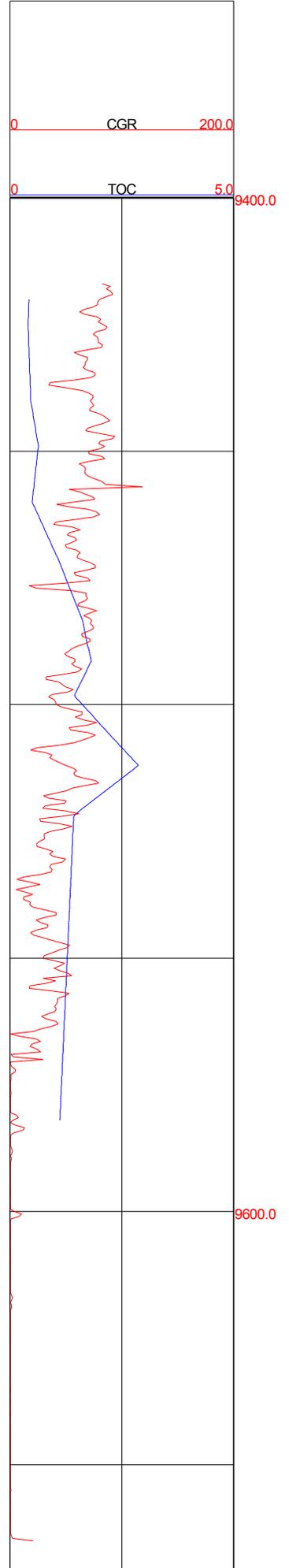
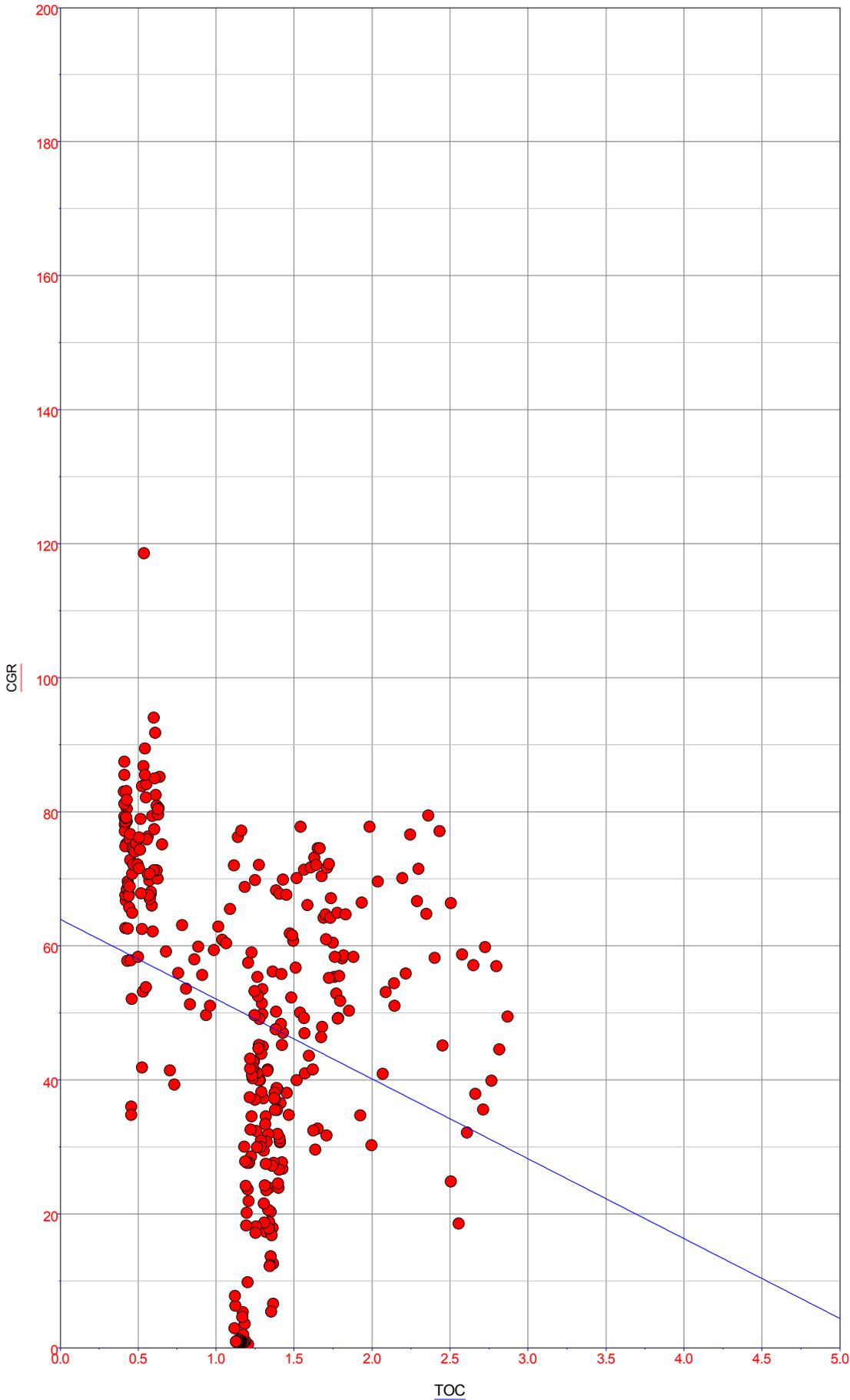
HOPE NAT GAS POWER OIL COMPANY CGR v UFREE

Active Well Regression Analysis Equations:
 $y = 0.939847 + 1.102845x$ $r = 0.999030$



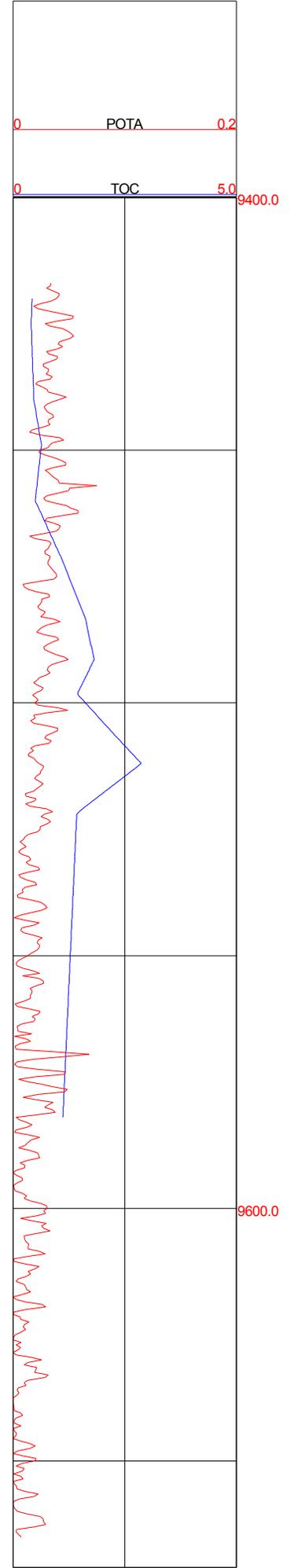
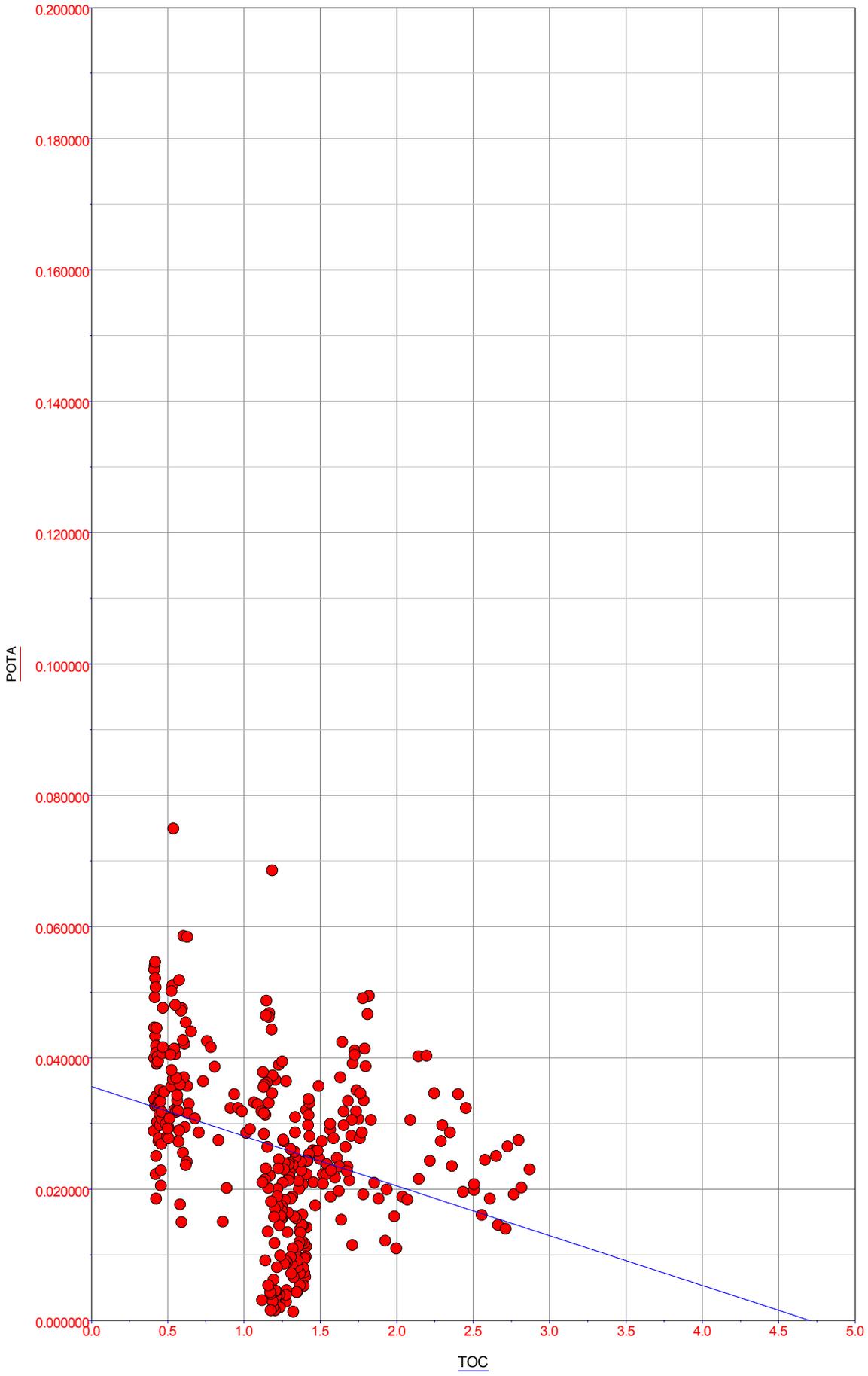
HOPE NAT GAS POWER OIL COMPANY CGR v TOC

Active Well Regression Analysis Equations:
 $y = 63.935848 - 11.915844x$ $r = -0.280410$



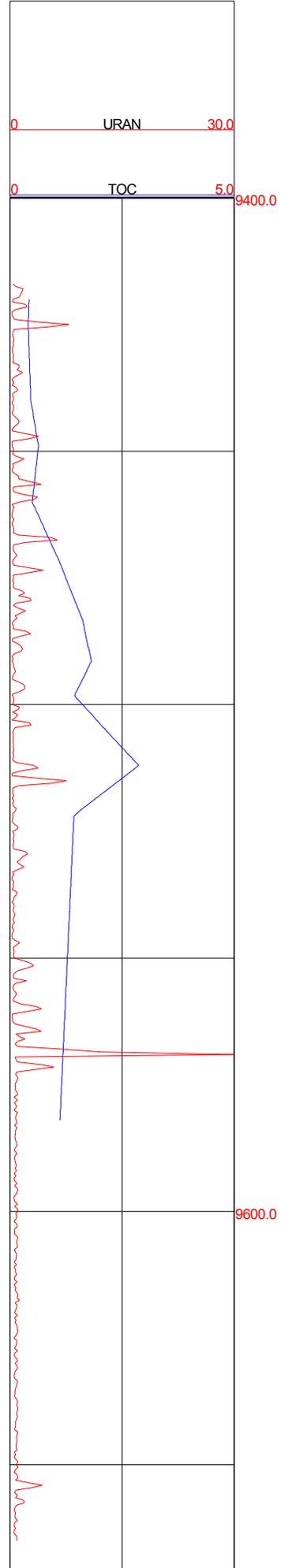
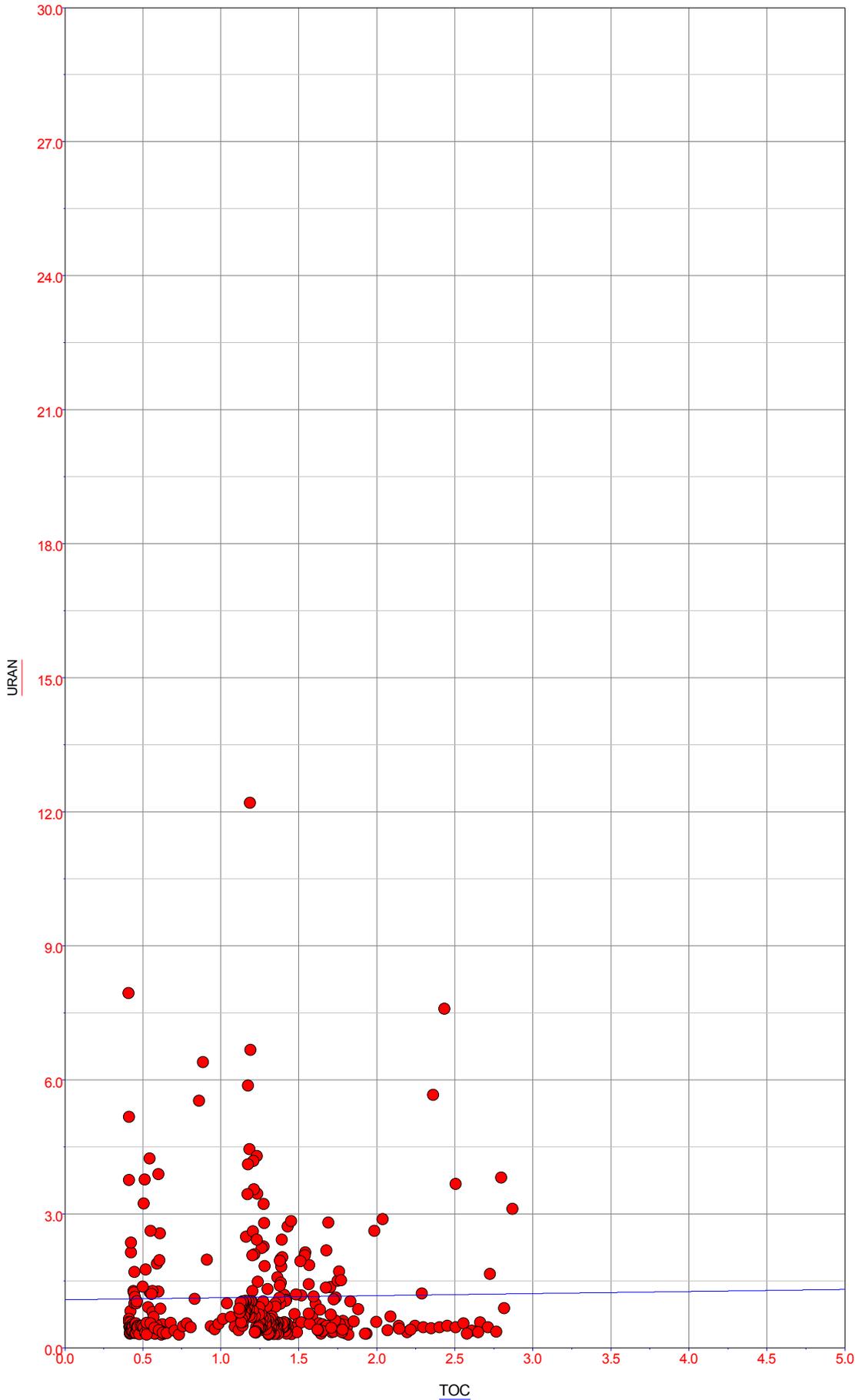
HOPE NAT GAS POWER OIL COMPANY POTA v TOC

Active Well Regression Analysis Equations:
 $y = 0.035616 - 0.007581x$ $r = -0.335425$



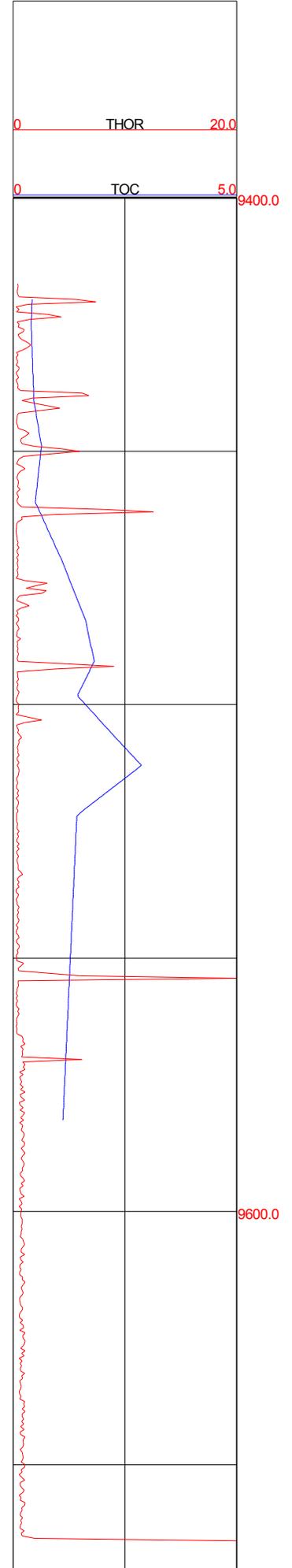
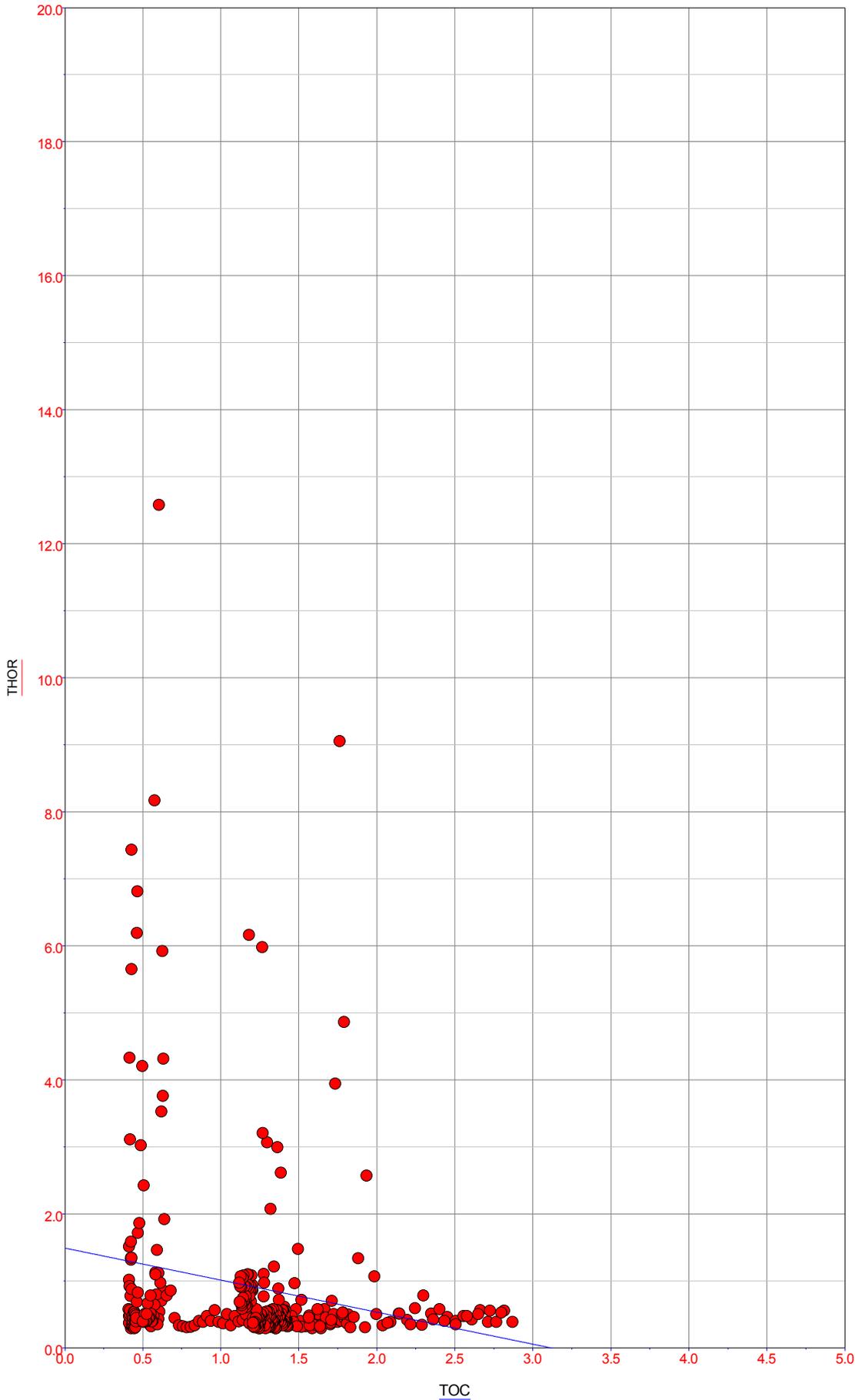
HOPE NAT GAS POWER OIL COMPANY URAN v TOC

Active Well Regression Analysis Equations:
 $y = 1.074709 + 0.046056x$ $r = 0.019382$



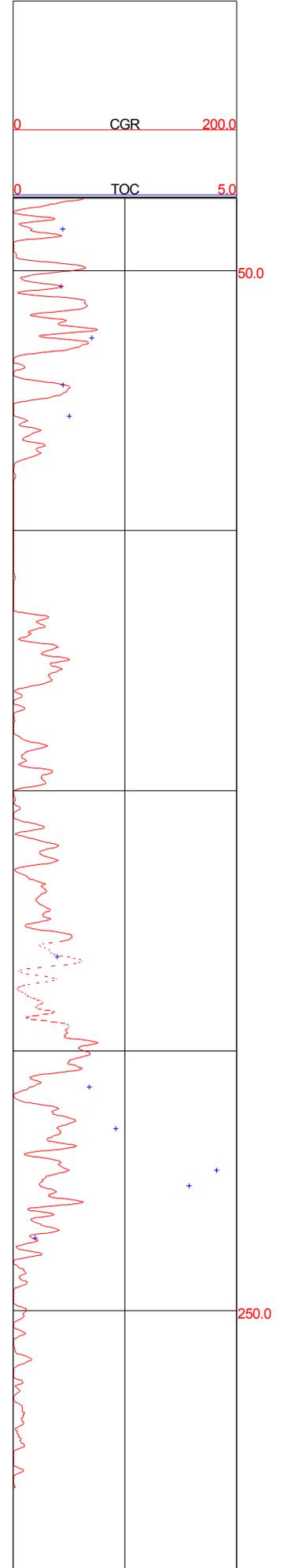
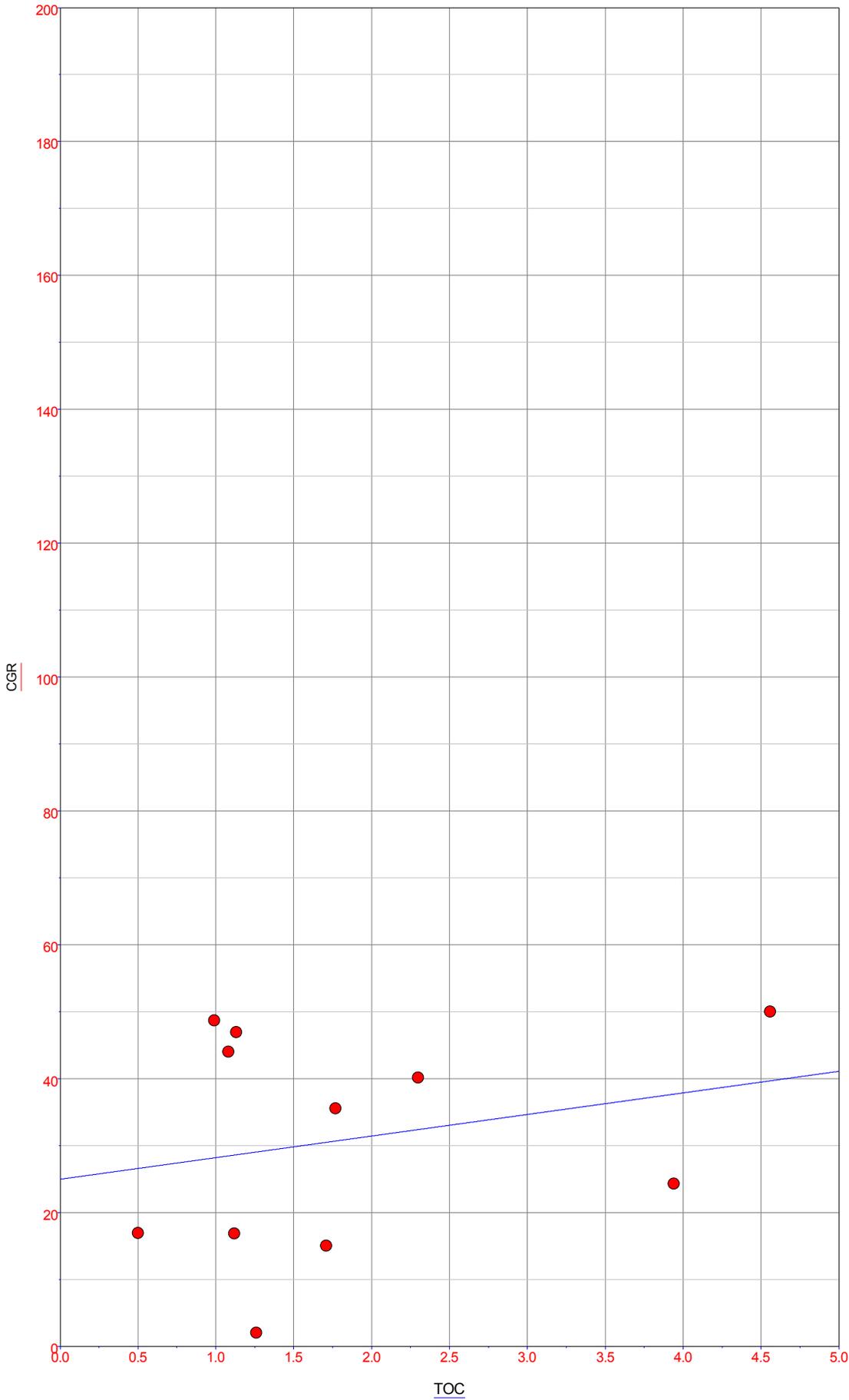
HOPE NAT GAS POWER OIL COMPANY THOR v TOC

Active Well Regression Analysis Equations:
 $y = 1.486608 - 0.478002x$ $r = -0.195692$



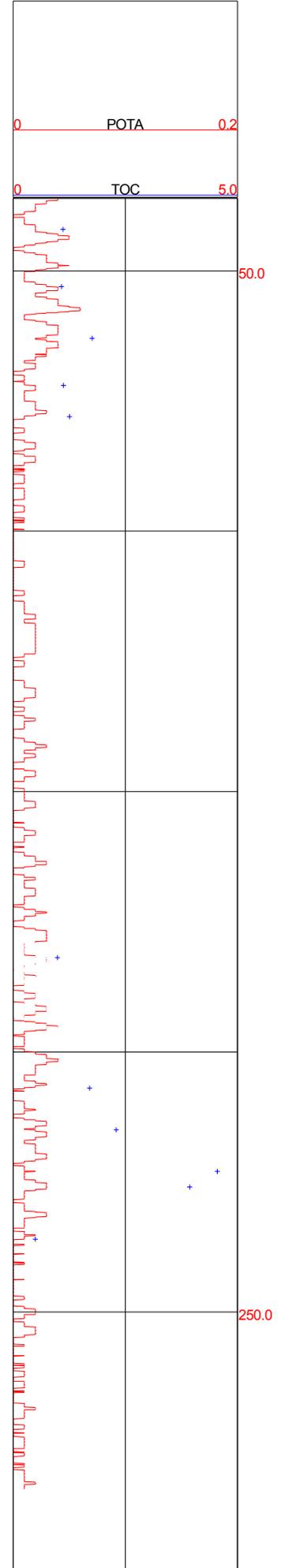
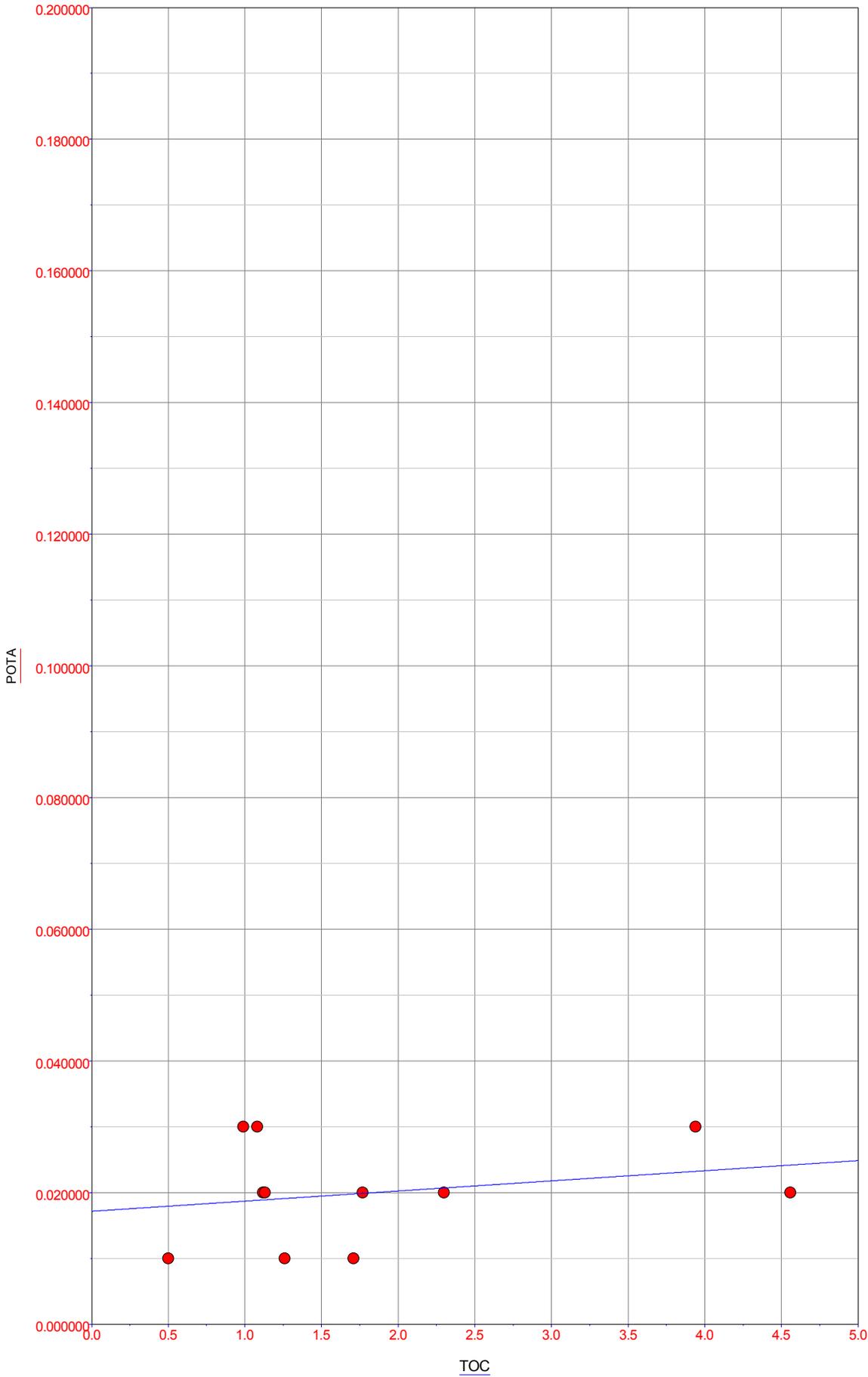
CG&E Bender#1 KY-C139 CGR v TOC

Active Well Regression Analysis Equations:
 $y = 24.961298 + 3.225232x$ $r = 0.250266$



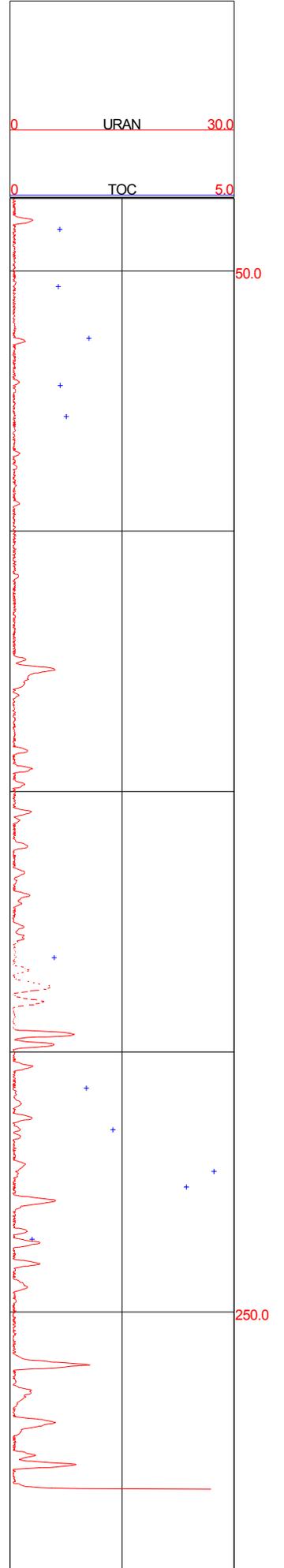
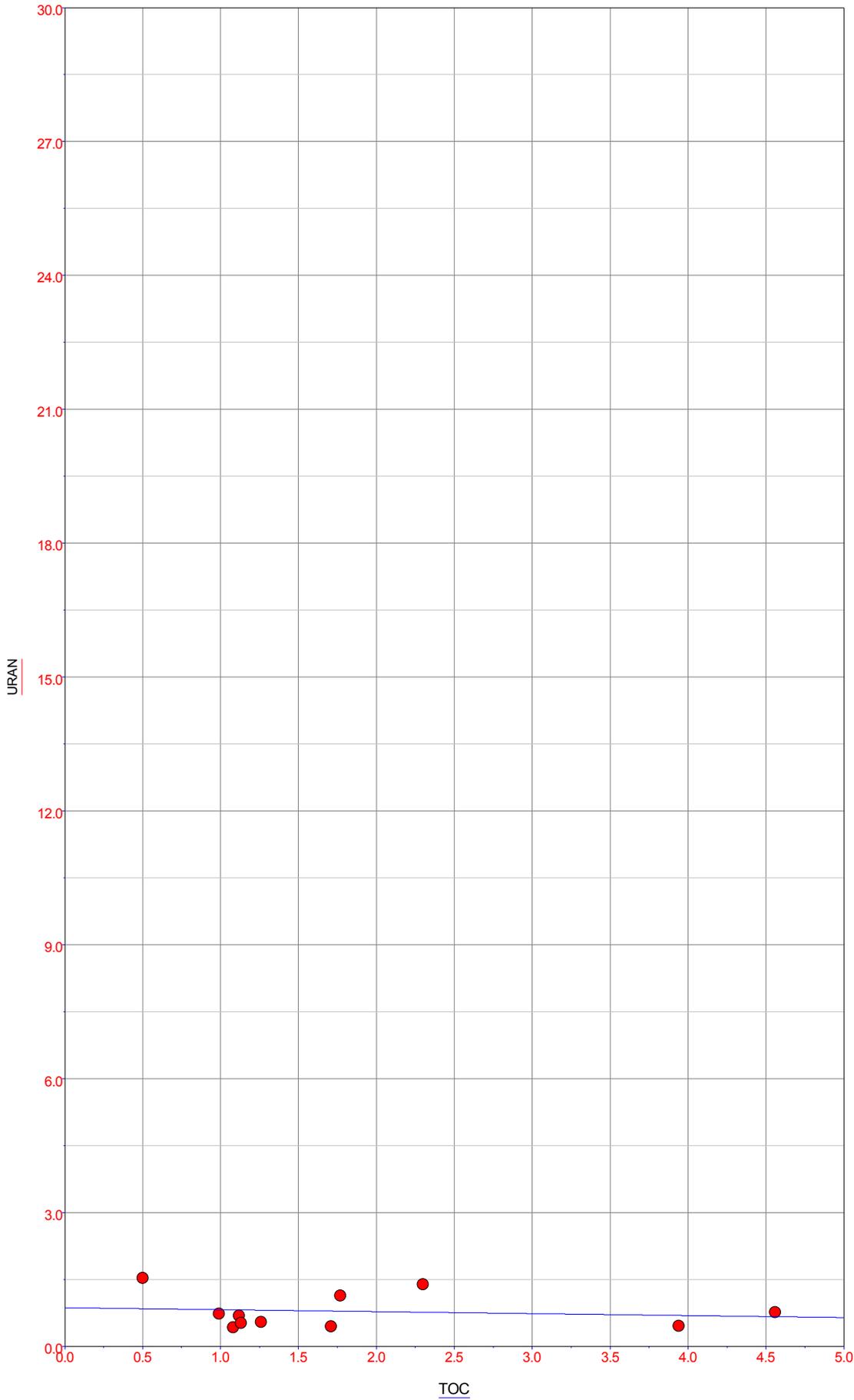
CG&E Bender#1 KY-C139 POTA v TOC

Active Well Regression Analysis Equations:
 $y = 0.017150 + 0.001540x$ $r = 0.255318$



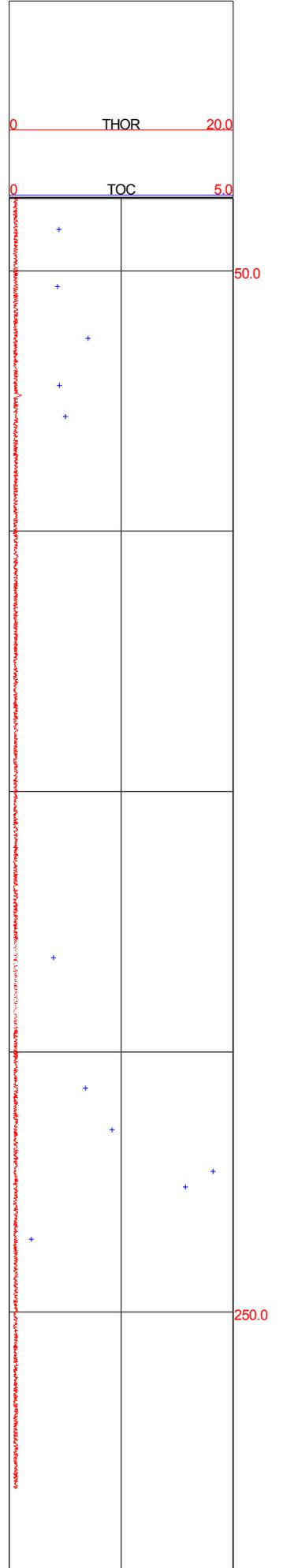
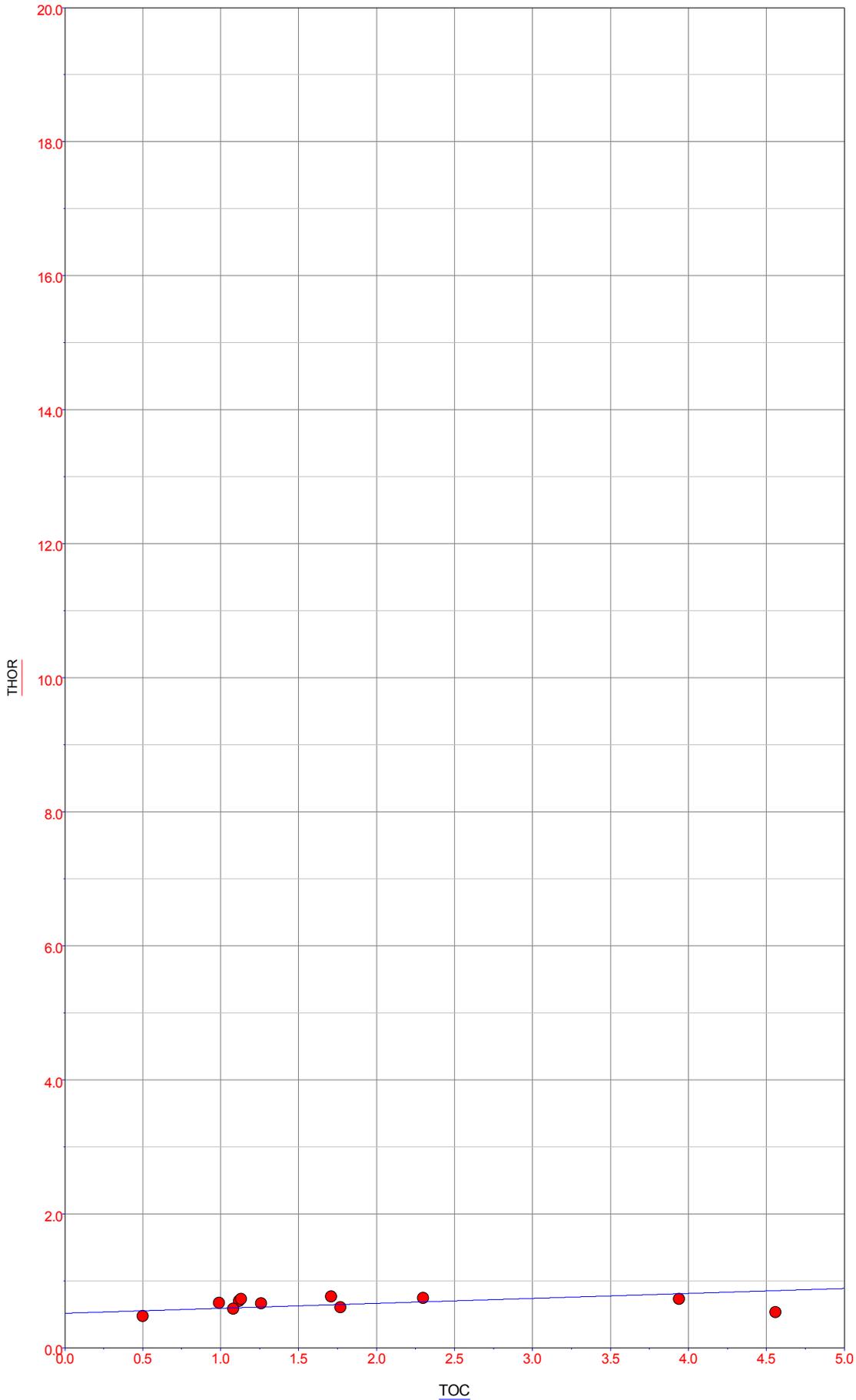
CG&E Bender#1 KY-C139 URAN v TOC

Active Well Regression Analysis Equations:
 $y = 0.864273 - 0.044057x$ $r = -0.144151$



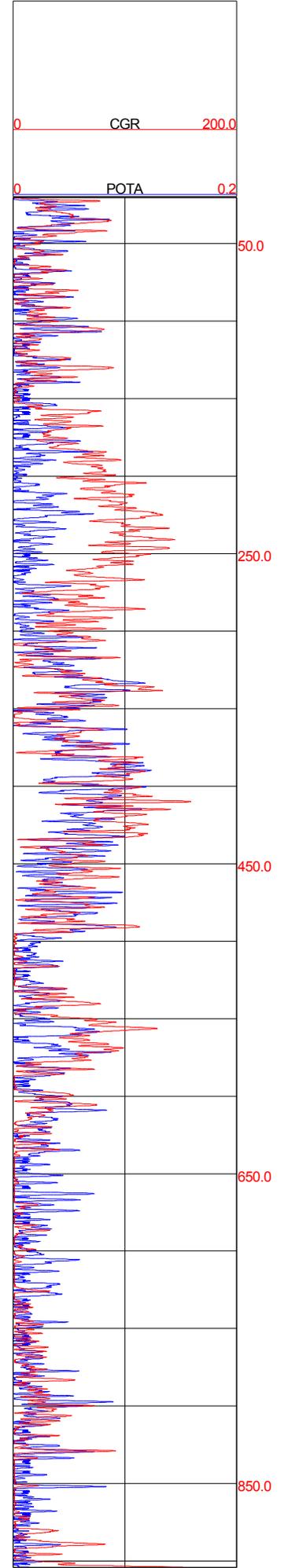
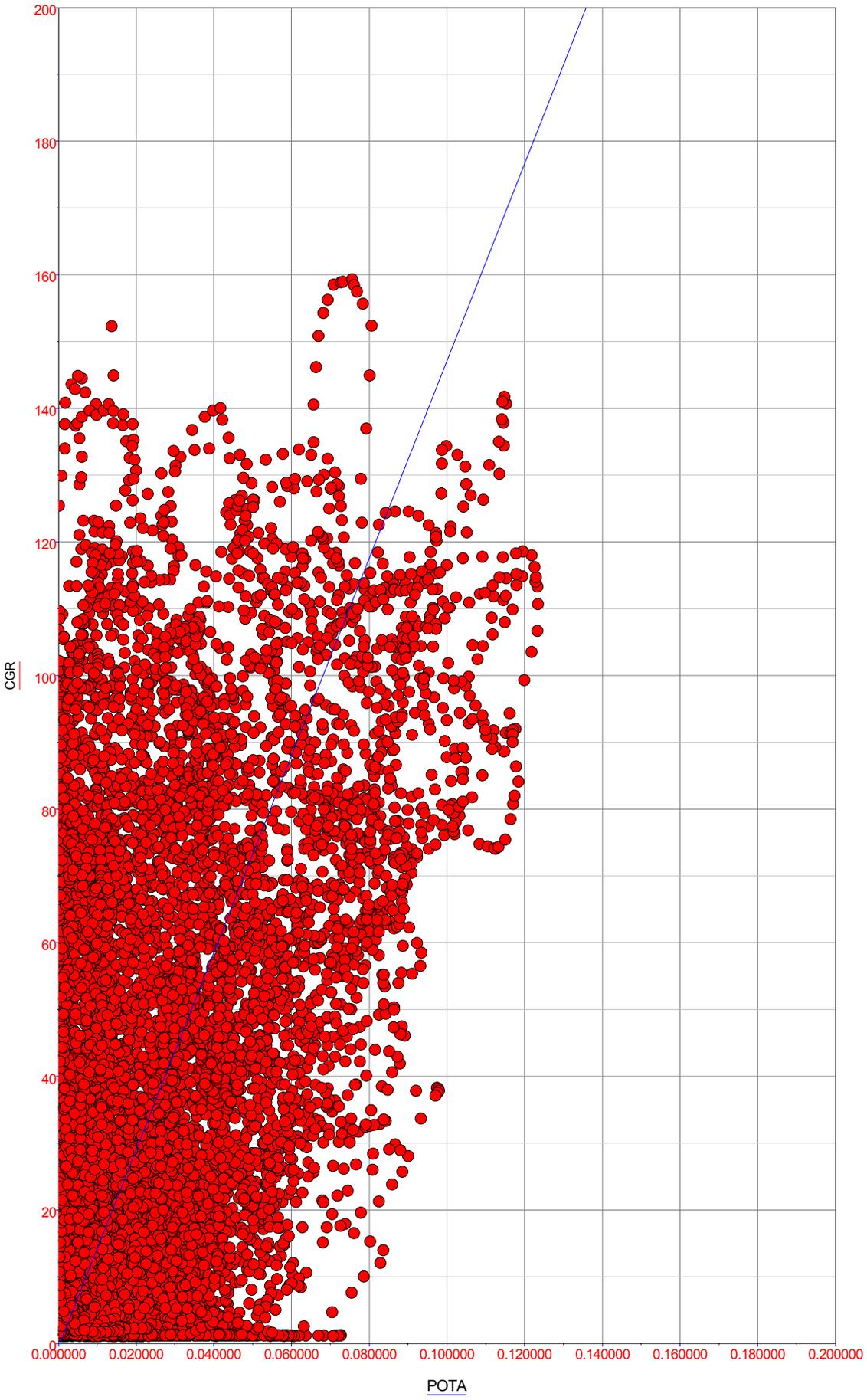
CG&E Bender#1 KY-C139 THOR v TOC

Active Well Regression Analysis Equations:
 $y = 0.514975 + 0.073933x$ $r = 0.041640$



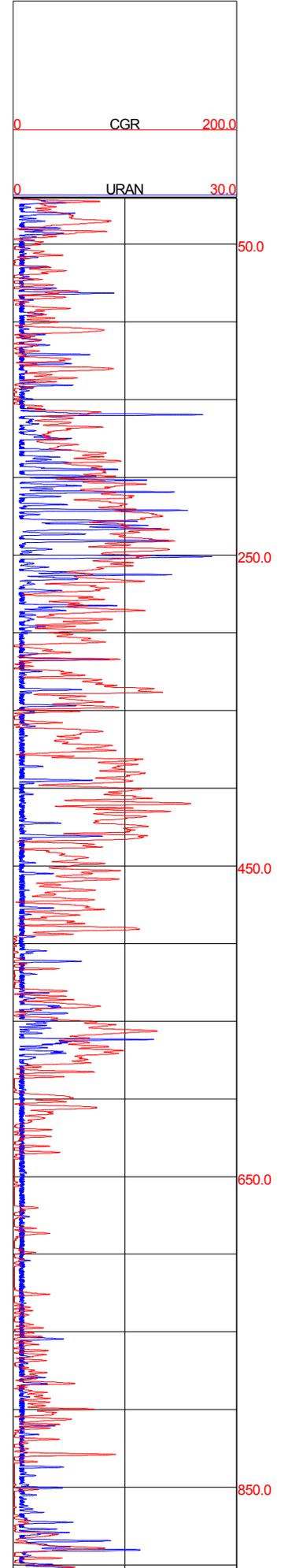
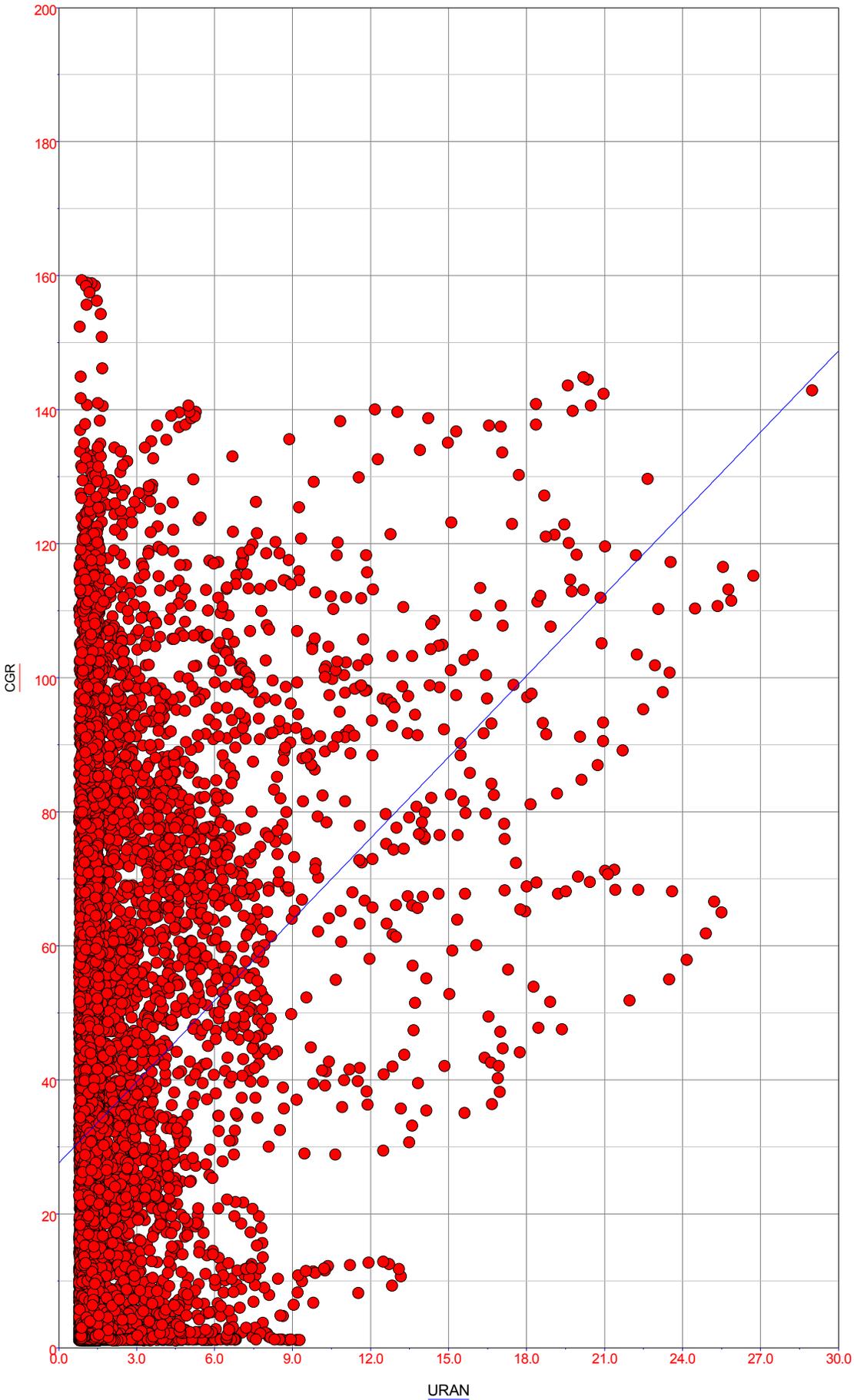
COMINCO AMERICAN M. Burchell#KY-209 CGR v POTA

Active Well Regression Analysis Equations:
 $y = -0.499652 + 1477.055908x$ $r = 0.464738$



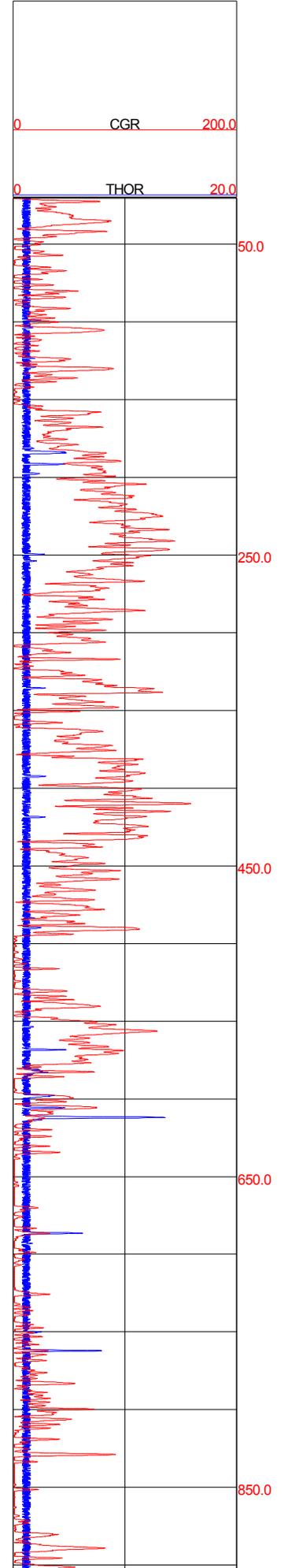
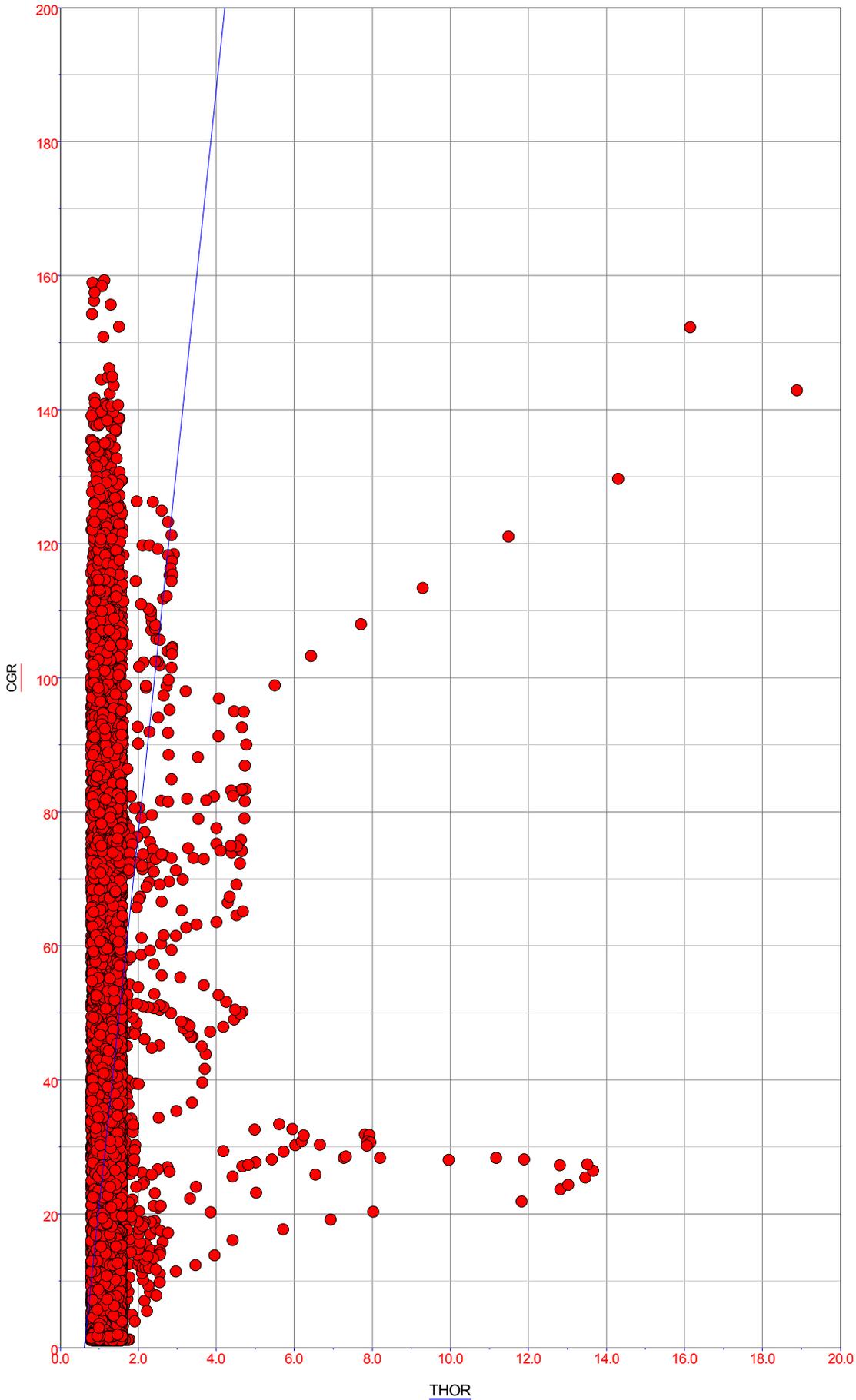
COMINCO AMERICAN M. Burchell#KY-209 CGR v URAN

Active Well Regression Analysis Equations:
 $y = 27.586569 + 4.040871x$ $r = 0.308001$



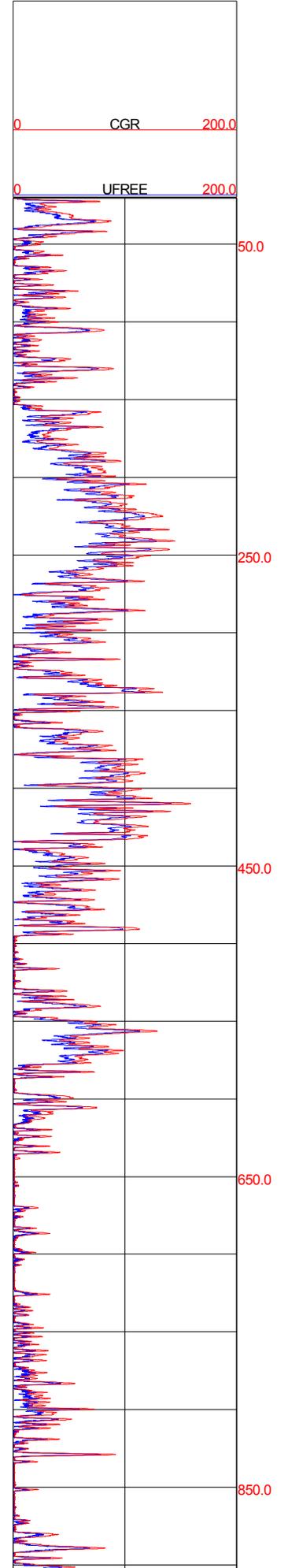
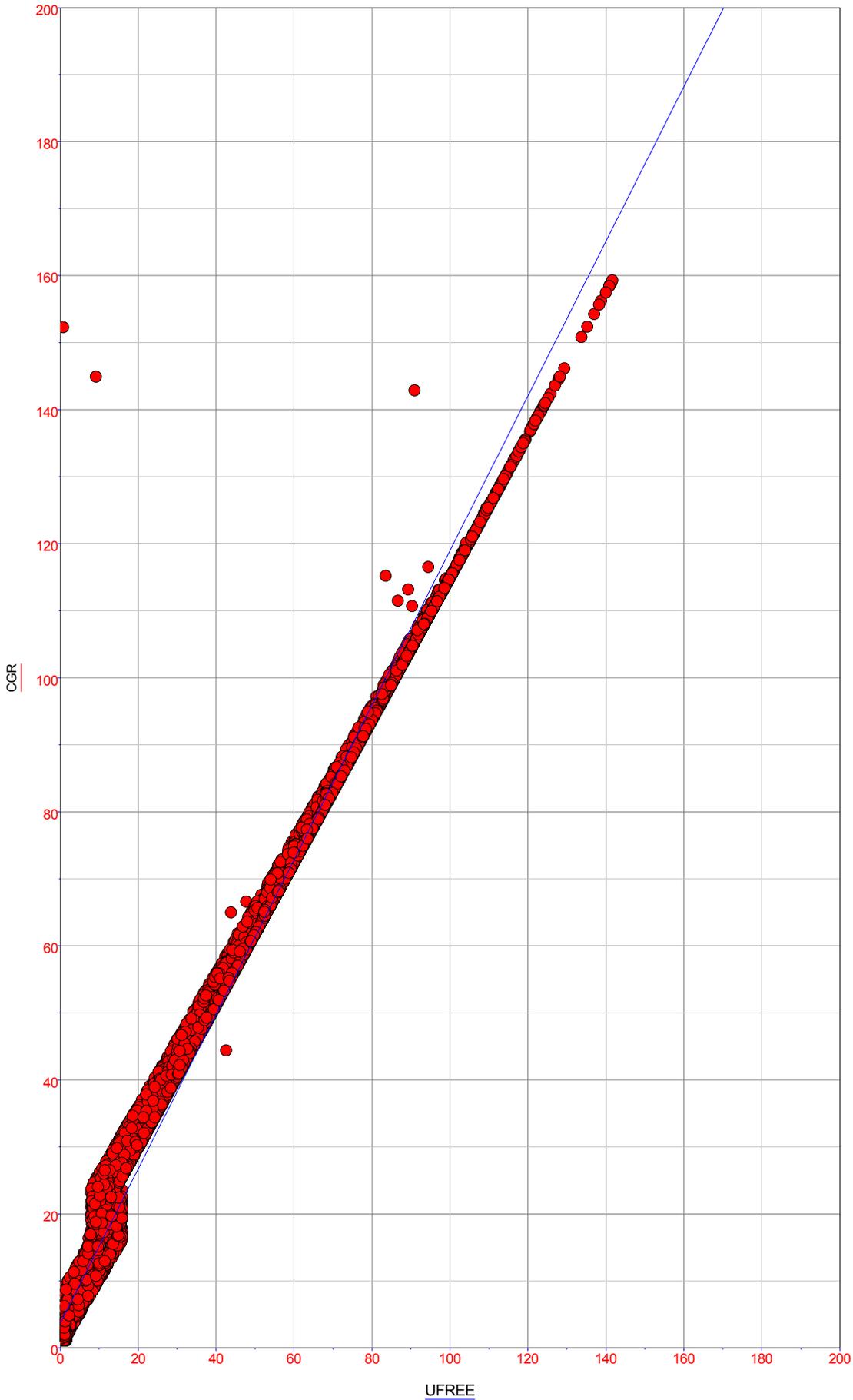
COMINCO AMERICAN M. Burchell#KY-209 CGR v THOR

Active Well Regression Analysis Equations:
 $y = -33.946125 + 55.530399x$ $r = 0.065943$



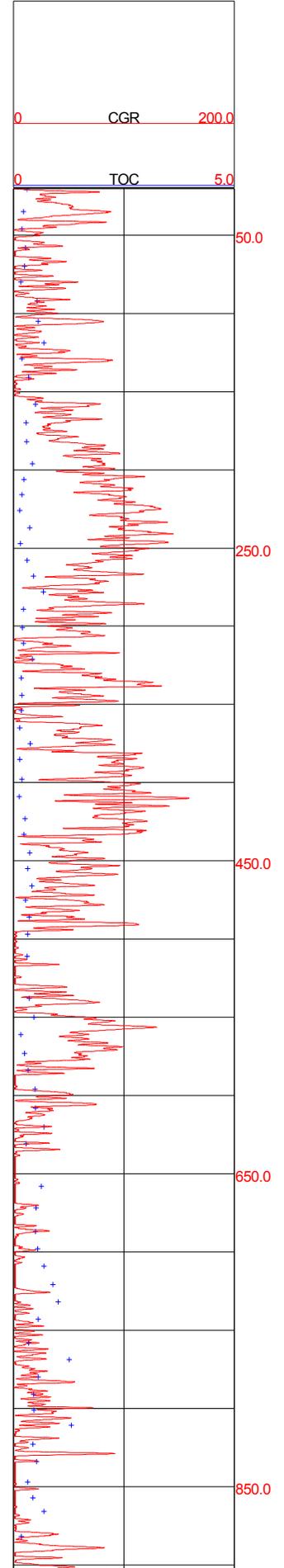
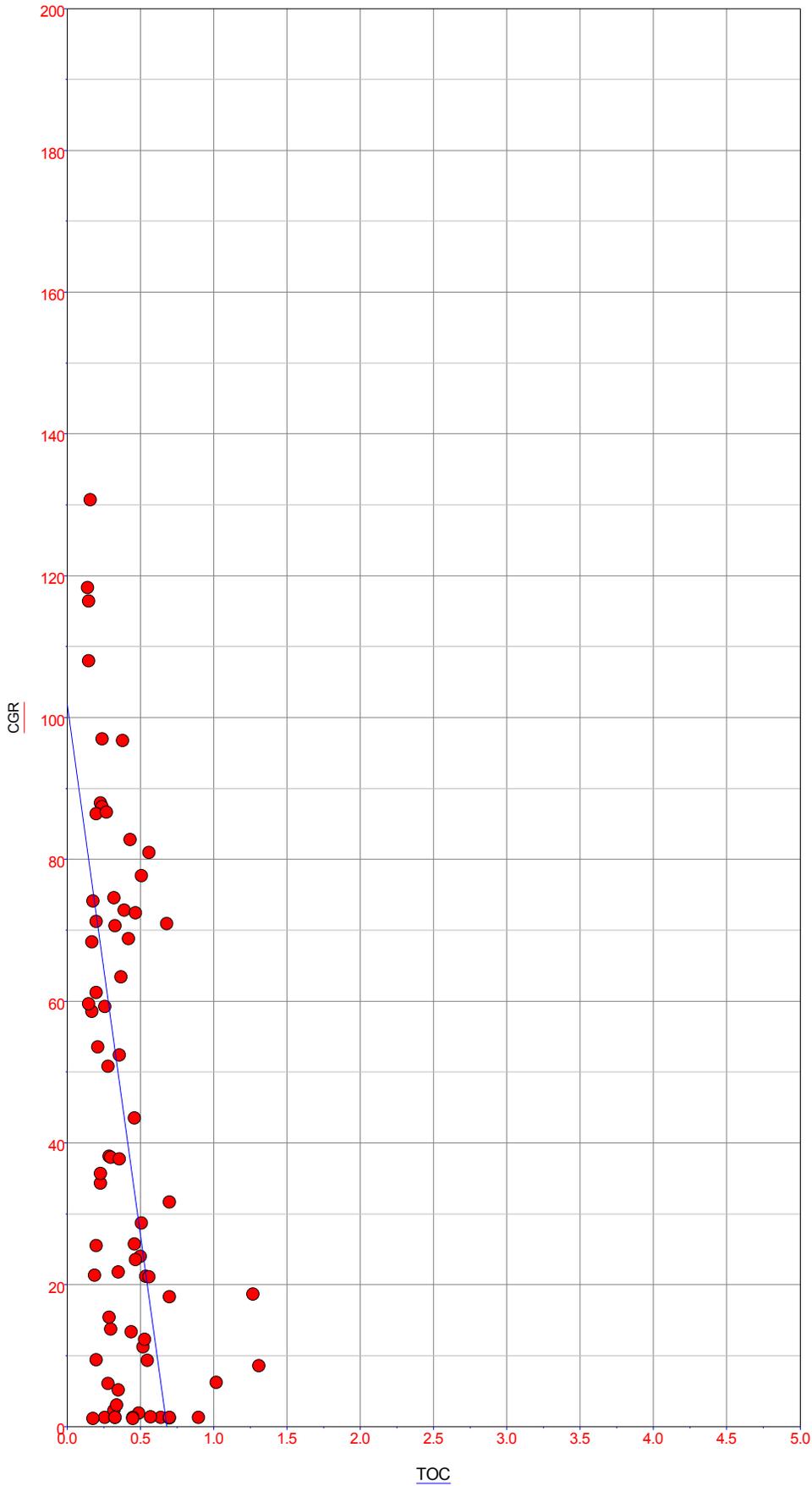
COMINCO AMERICAN
M. Burchell#KY-209
CGR v KTh

Active Well Regression Analysis Equations:
 $y = 3.686560 + 1.153751x$ $r = 0.993032$



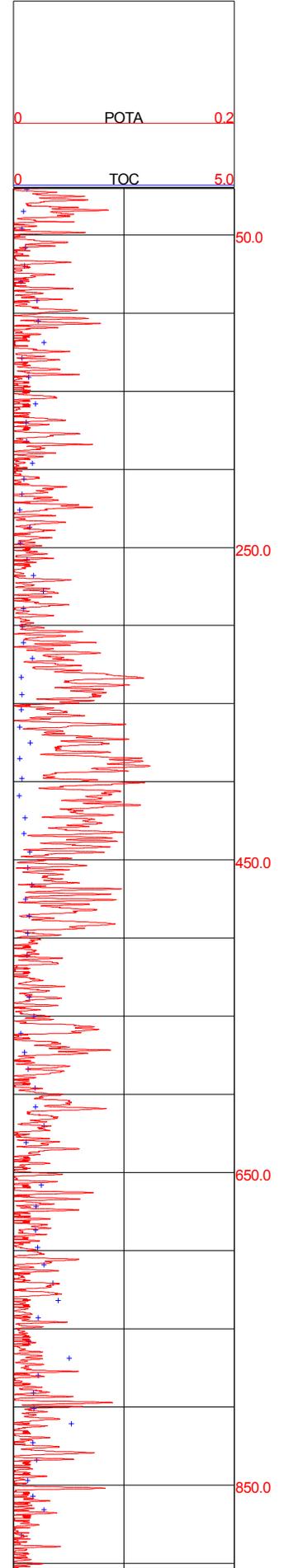
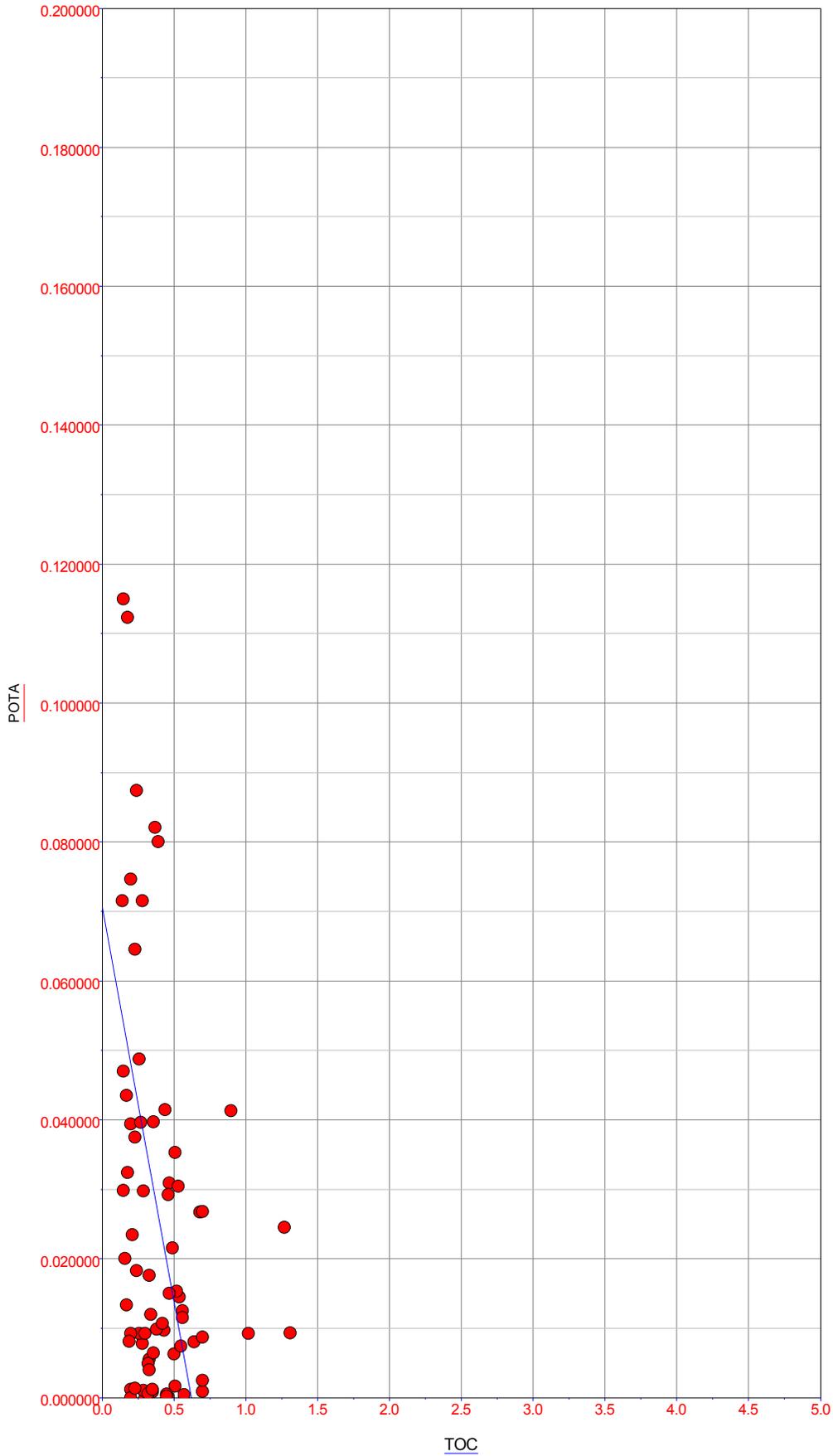
COMINCO AMERICAN M. Burchell#KY-209 CGR v TOC

Active Well Regression Analysis Equations:
 $y = 101.871719 - 149.992081x$ $r = -0.424979$



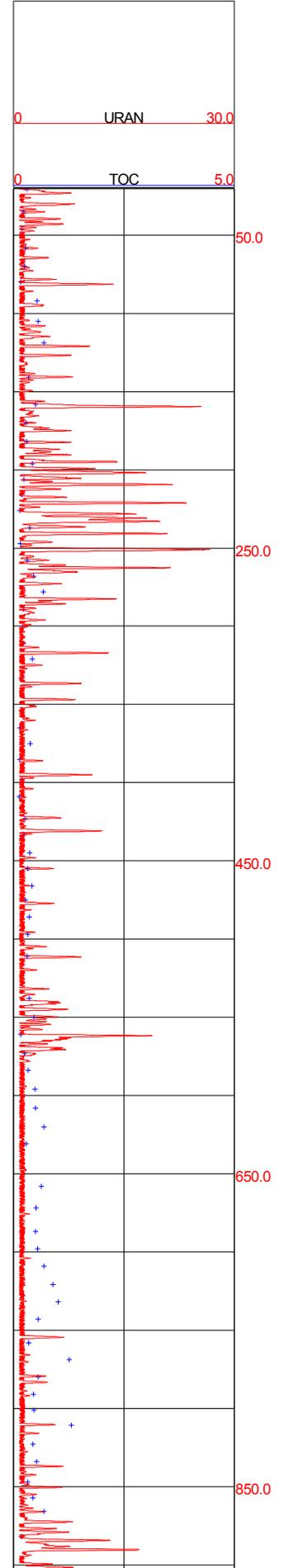
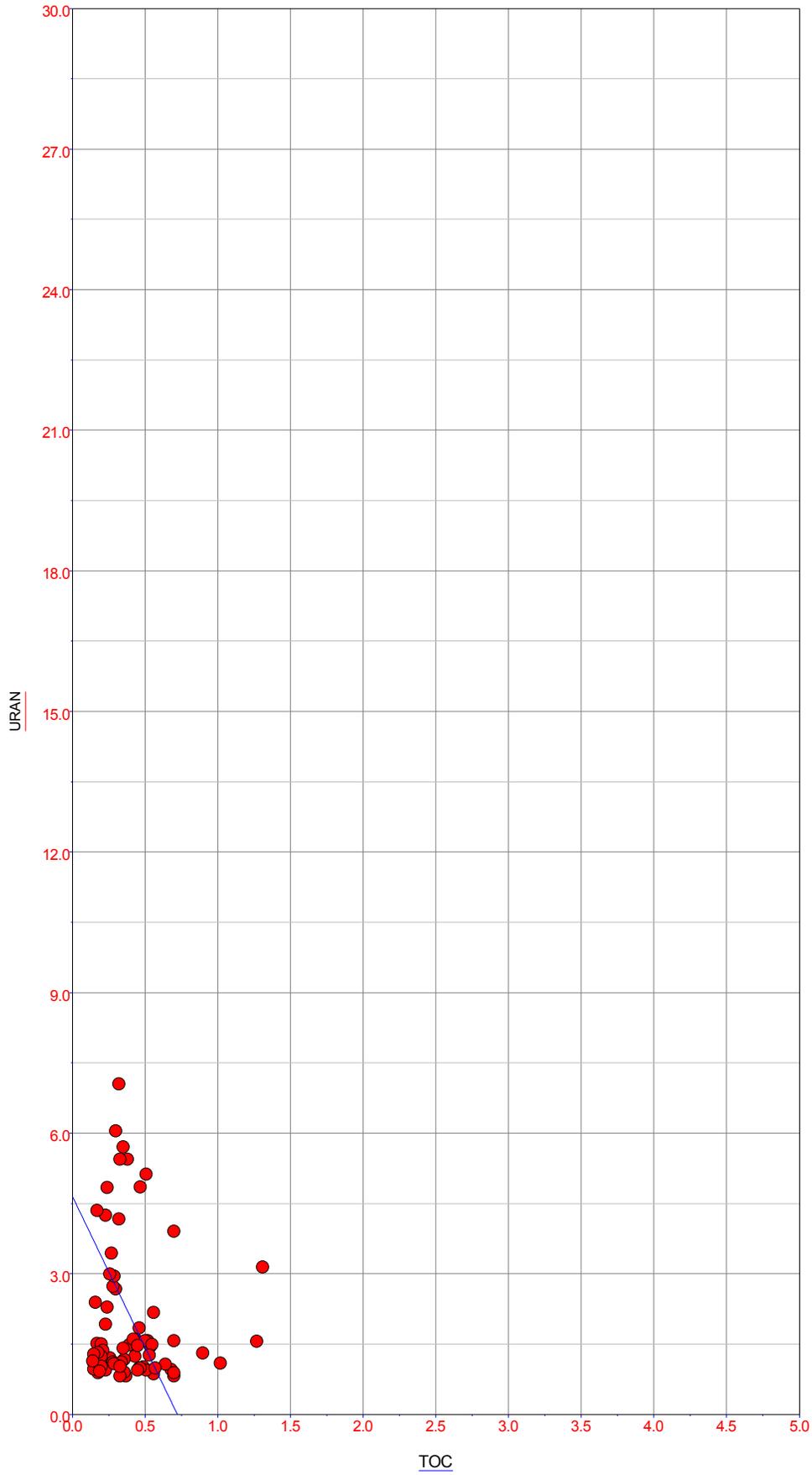
COMINCO AMERICAN M. Burchell#KY-209 POTA v TOC

Active Well Regression Analysis Equations:
 $y = 0.070598 - 0.113902x$ $r = -0.267410$



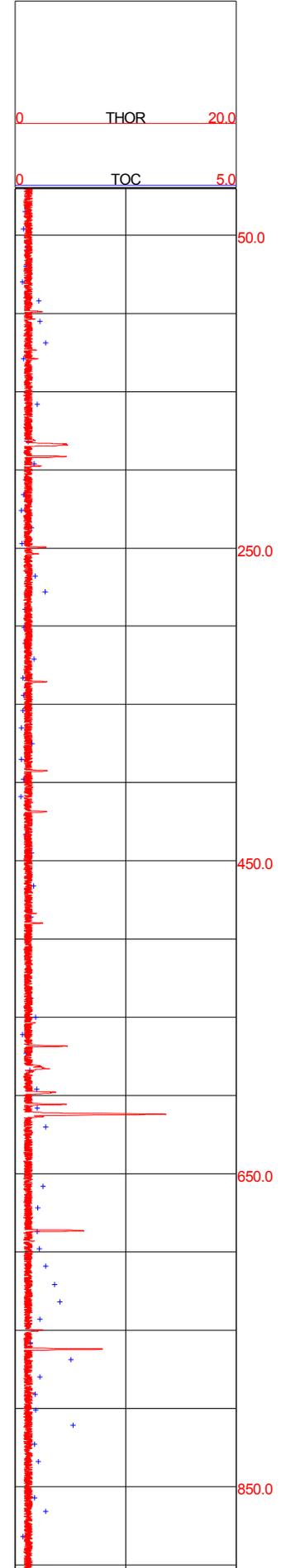
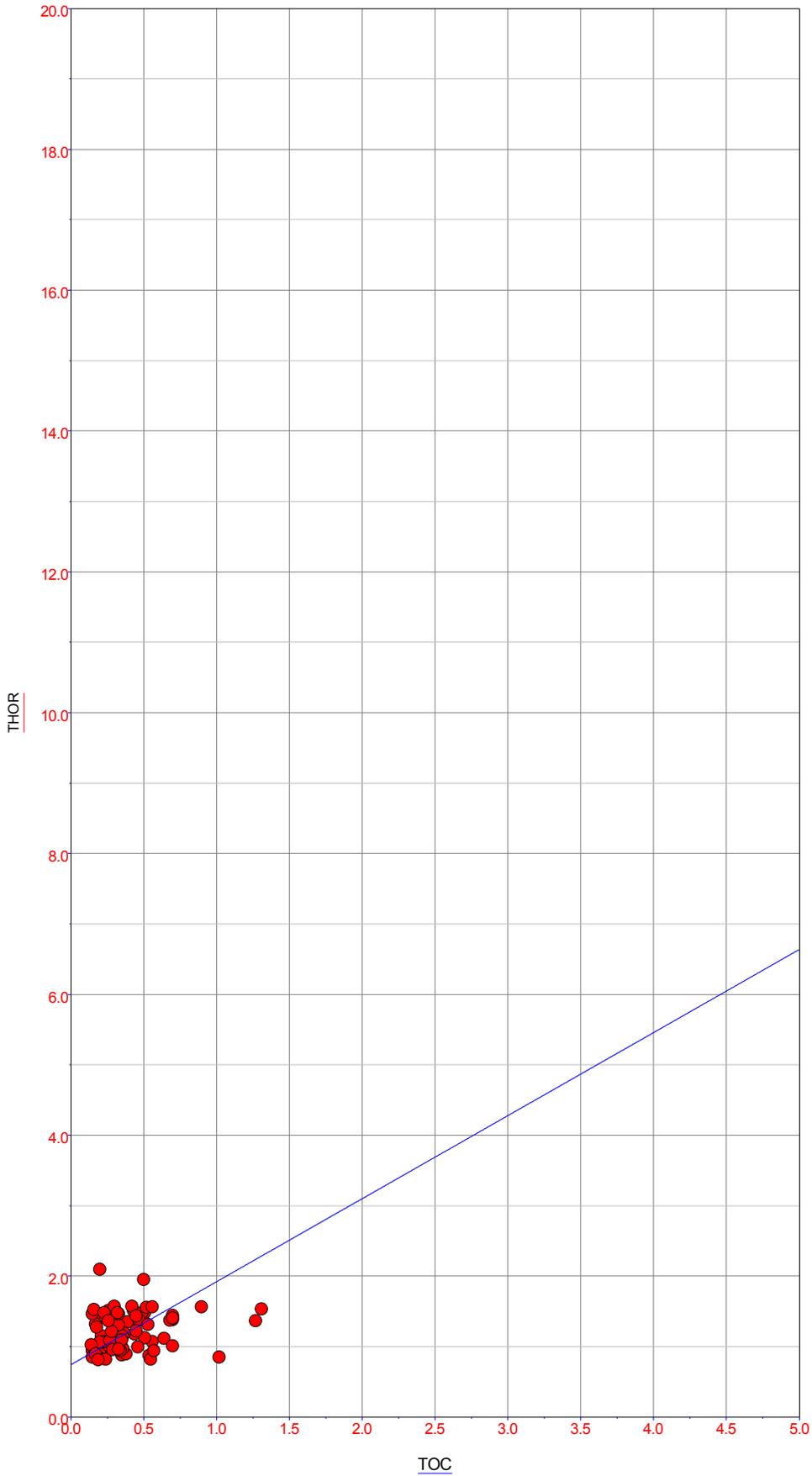
COMINCO AMERICAN M. Burchell#KY-209 URAN v TOC

Active Well Regression Analysis Equations:
 $y = 4.644349 - 6.447701x$ $r = -0.069411$



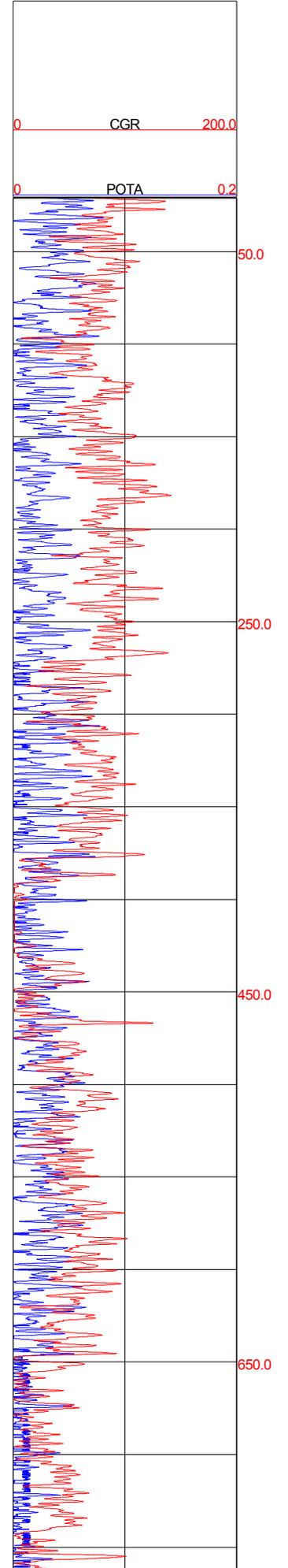
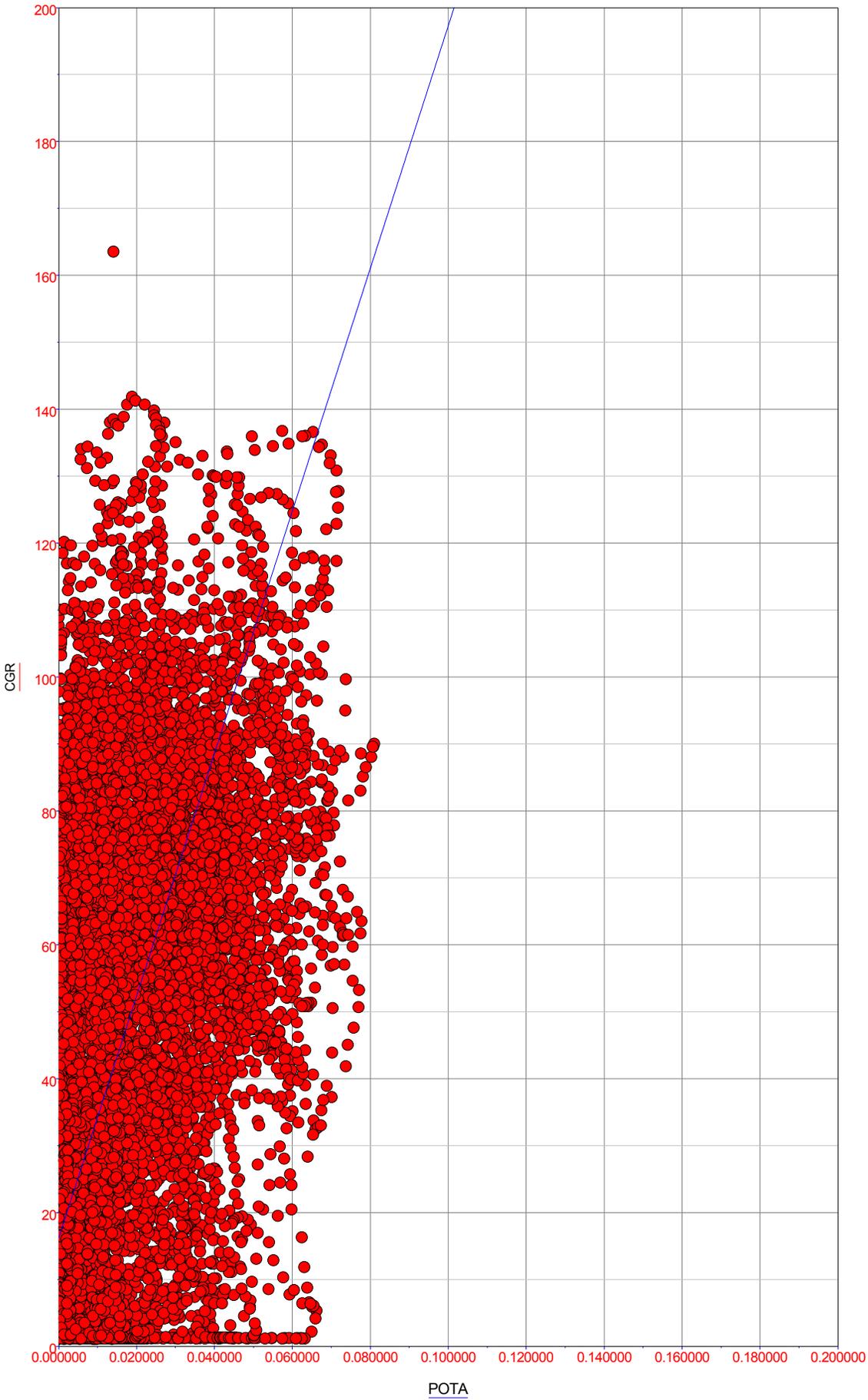
COMINCO AMERICAN M. Burchell#KY-209 THOR v TOC

Active Well Regression Analysis Equations:
 $y = 0.741410 + 1.179692x$ $r = 0.201727$



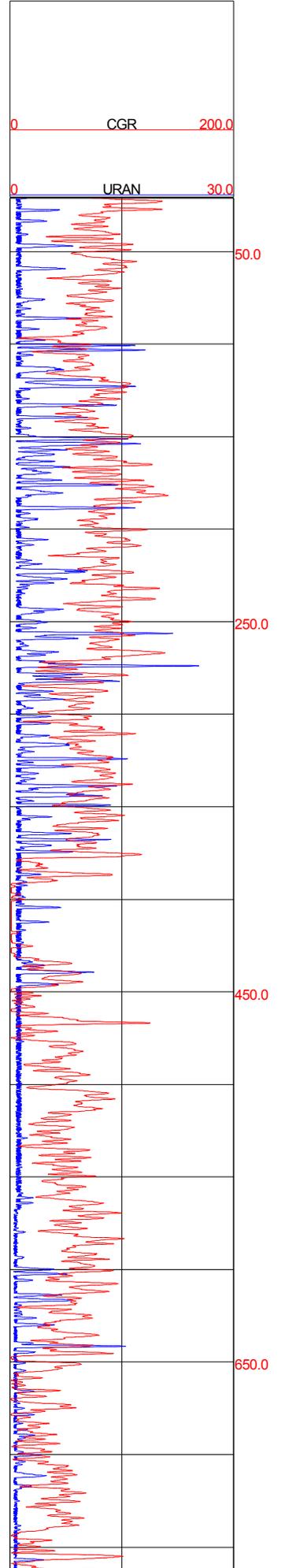
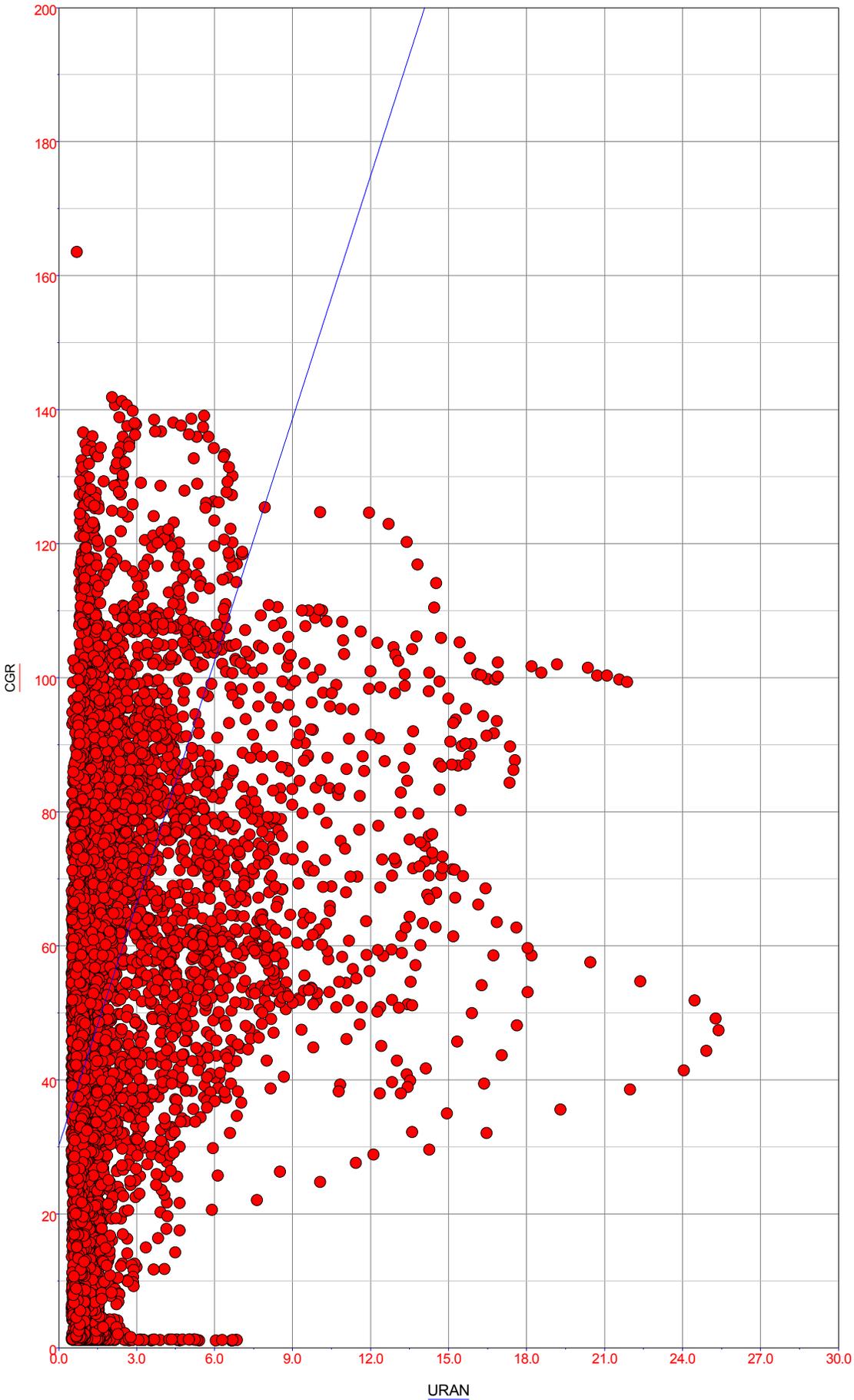
NewYork Survey 74-NY5 CGR v POTA

Active Well Regression Analysis Equations:
 $y = 16.213335 + 1812.048462x$ $r = 0.250456$



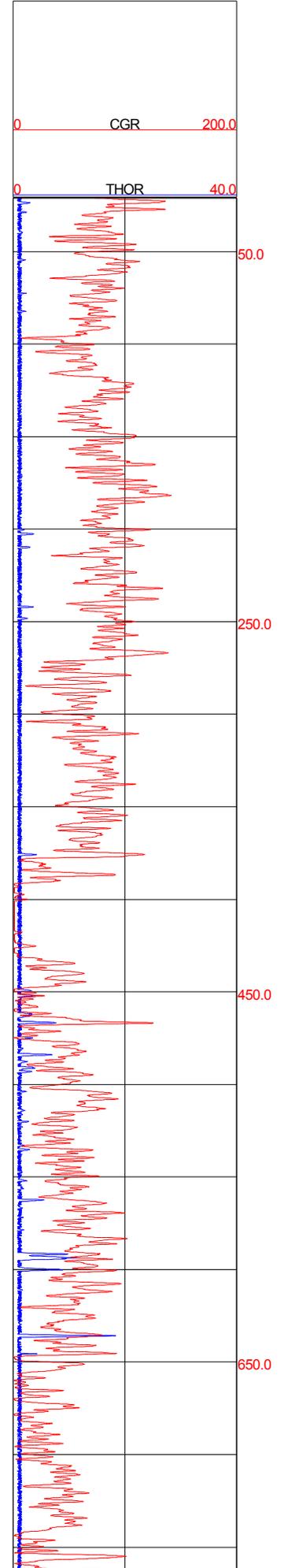
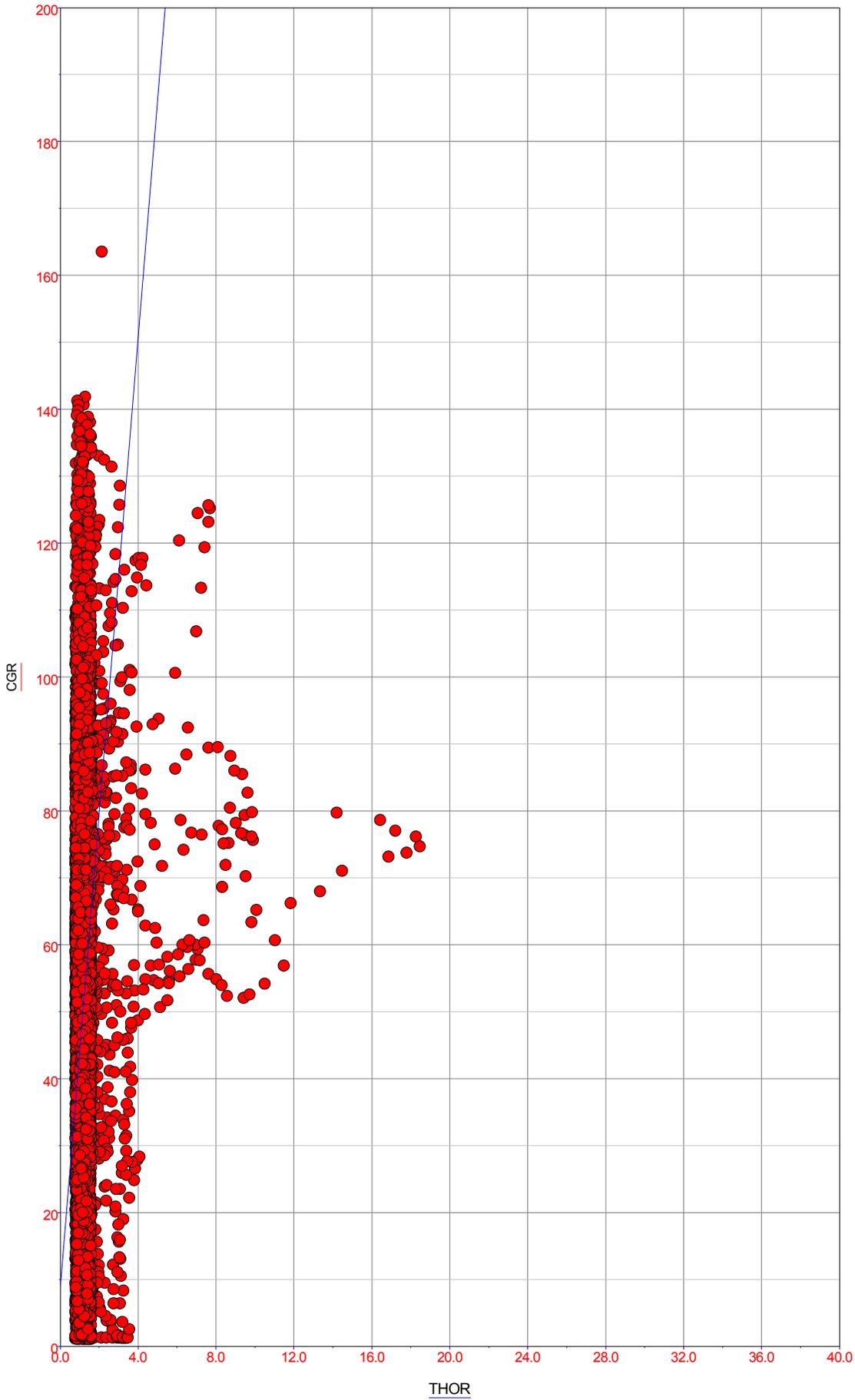
NewYork Survey 74-NY5 CGR v URAN

Active Well Regression Analysis Equations:
 $y = 30.192778 + 12.068292x$ $r = 0.231296$



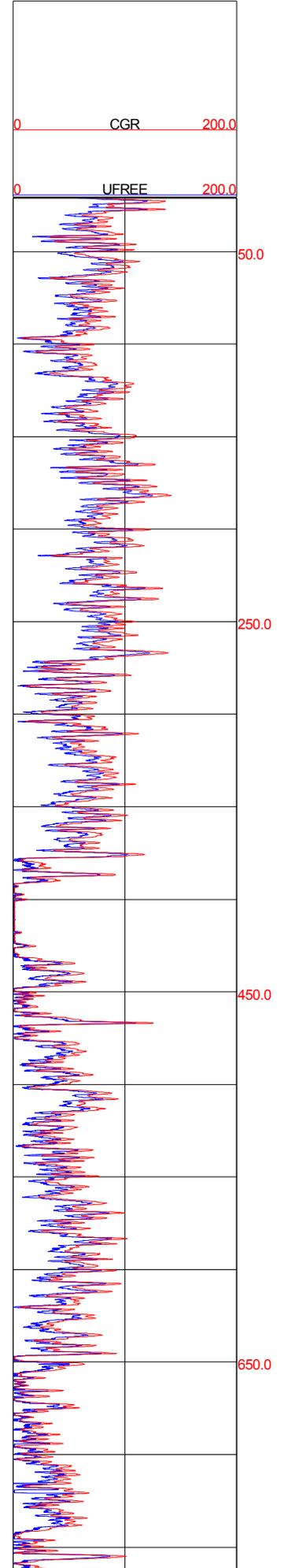
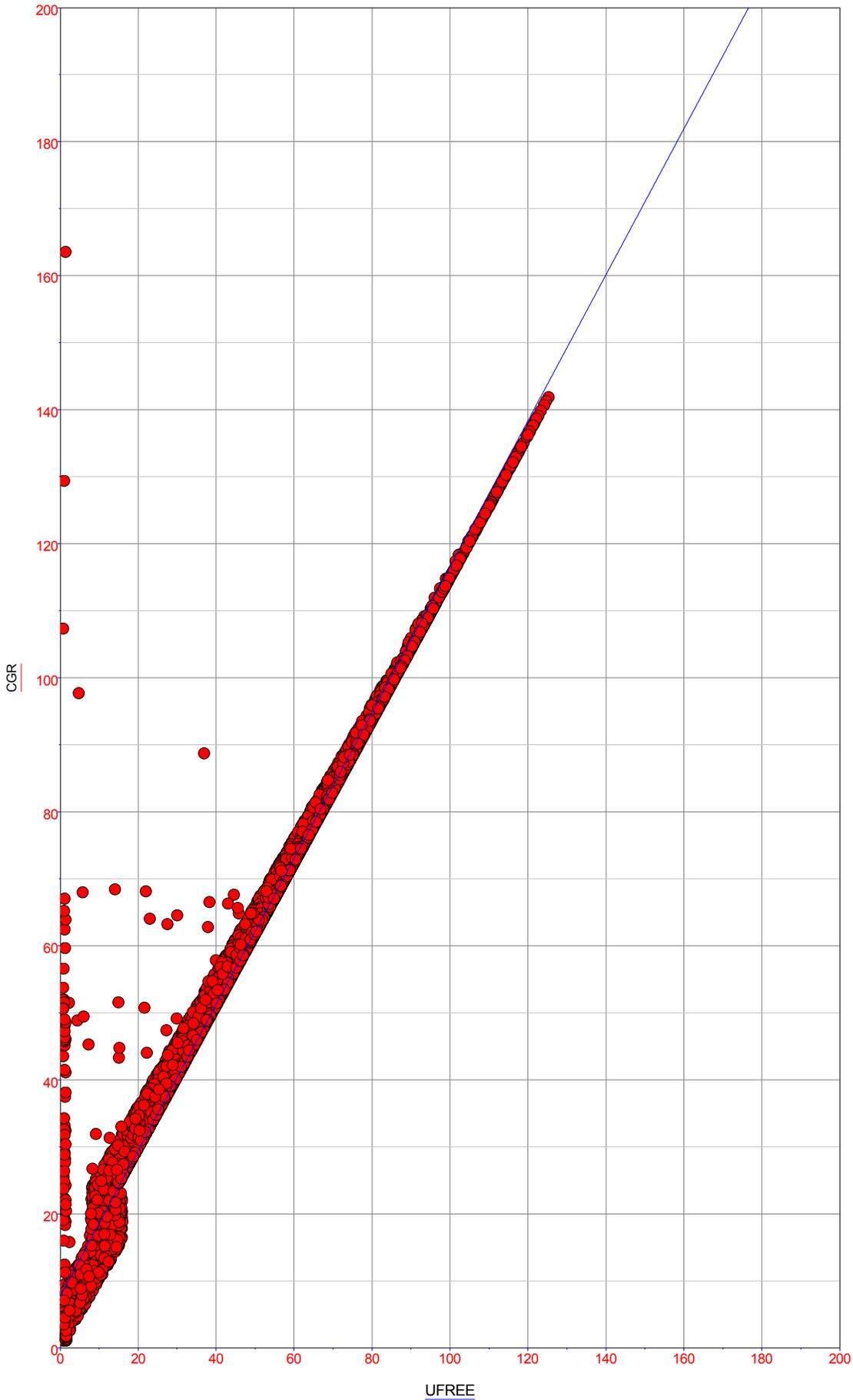
NewYork Survey 74-NY5 CGR v THOR

Active Well Regression Analysis Equations:
 $y = 8.932806 + 35.540012x$ $r = 0.055715$



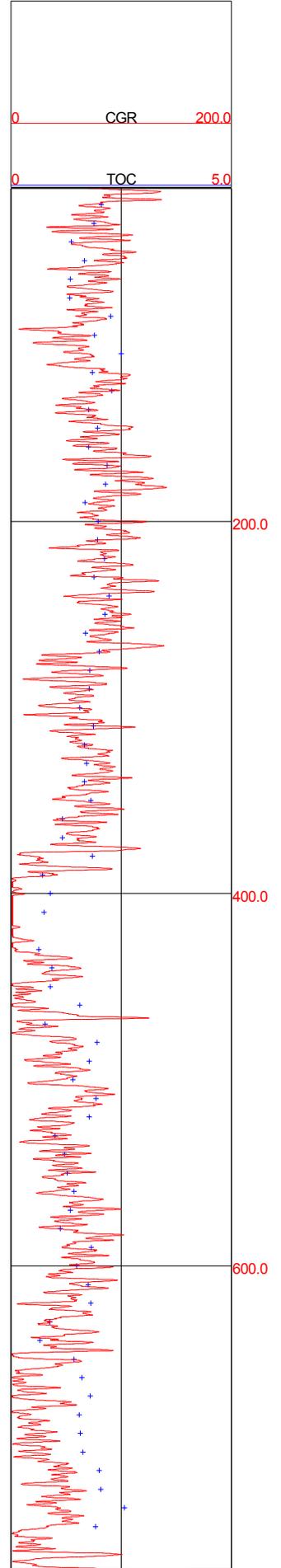
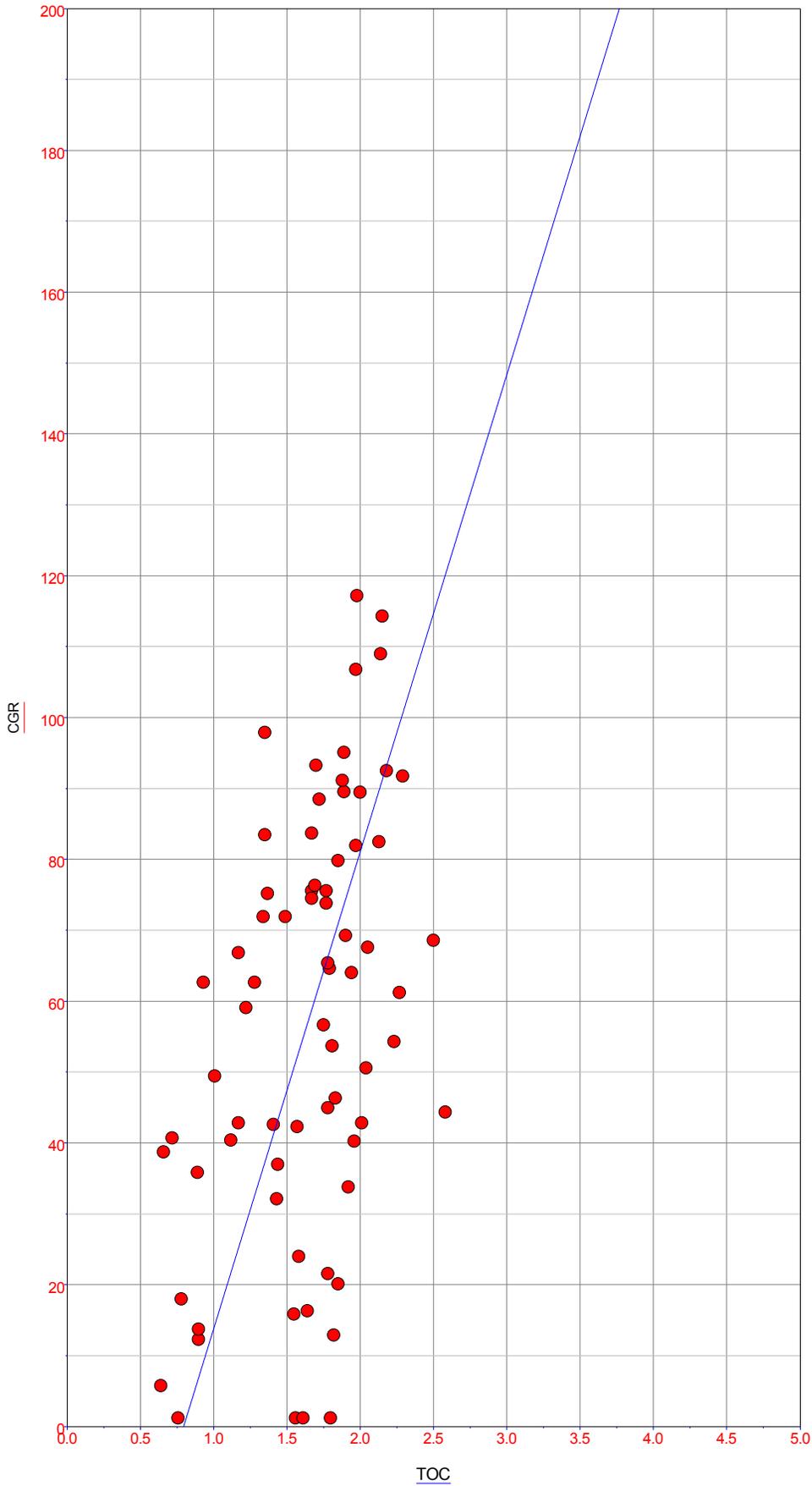
NewYork Survey 74-NY5 CGR v UFREE

Active Well Regression Analysis Equations:
 $y = 7.721263 + 1.089168x$ $r = 0.987194$



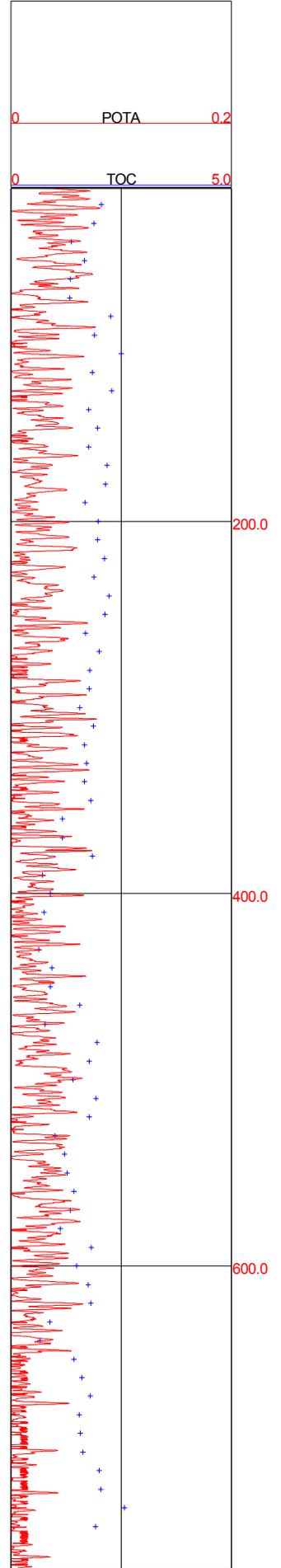
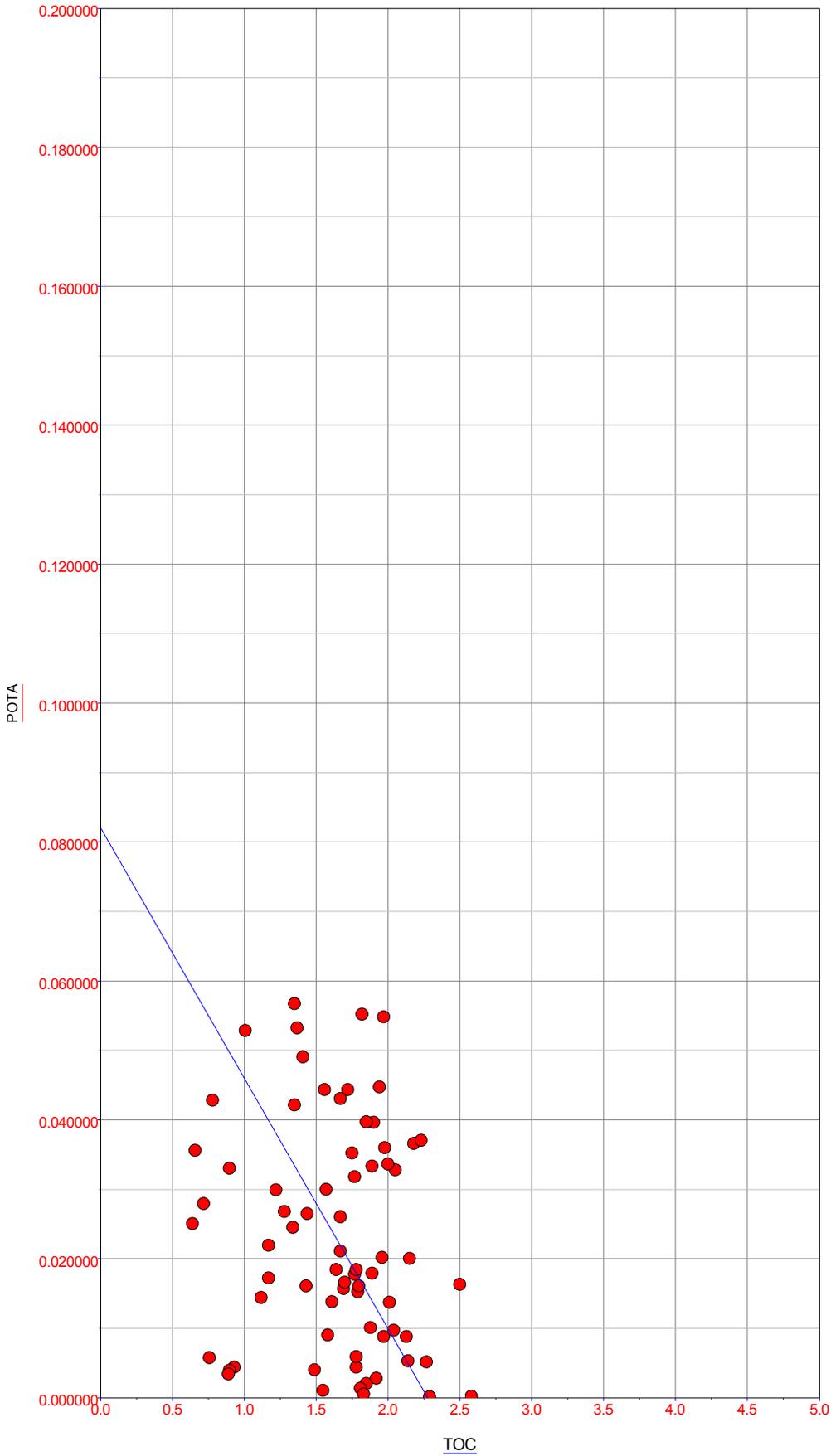
New York Survey 74-NY5 CGR/TOC

Active Well Regression Analysis Equations:
 $y = -53.449619 + 67.316177x$ $r = 0.440958$



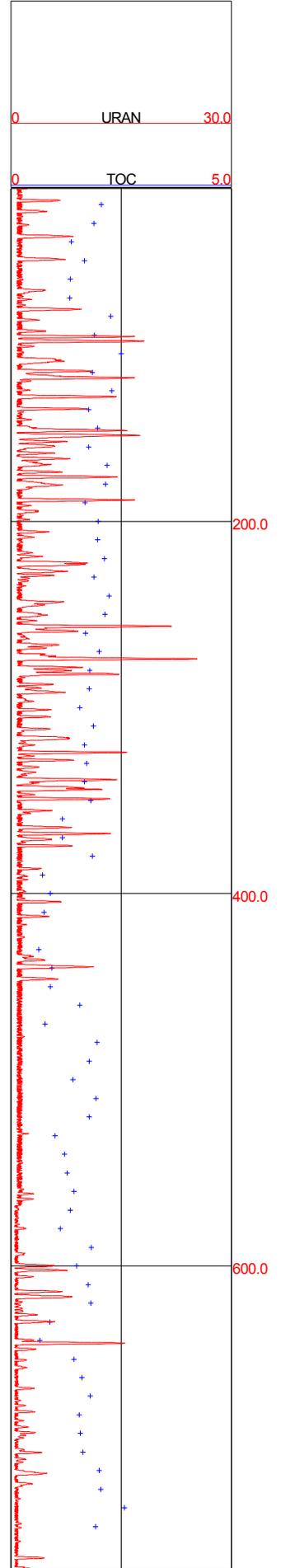
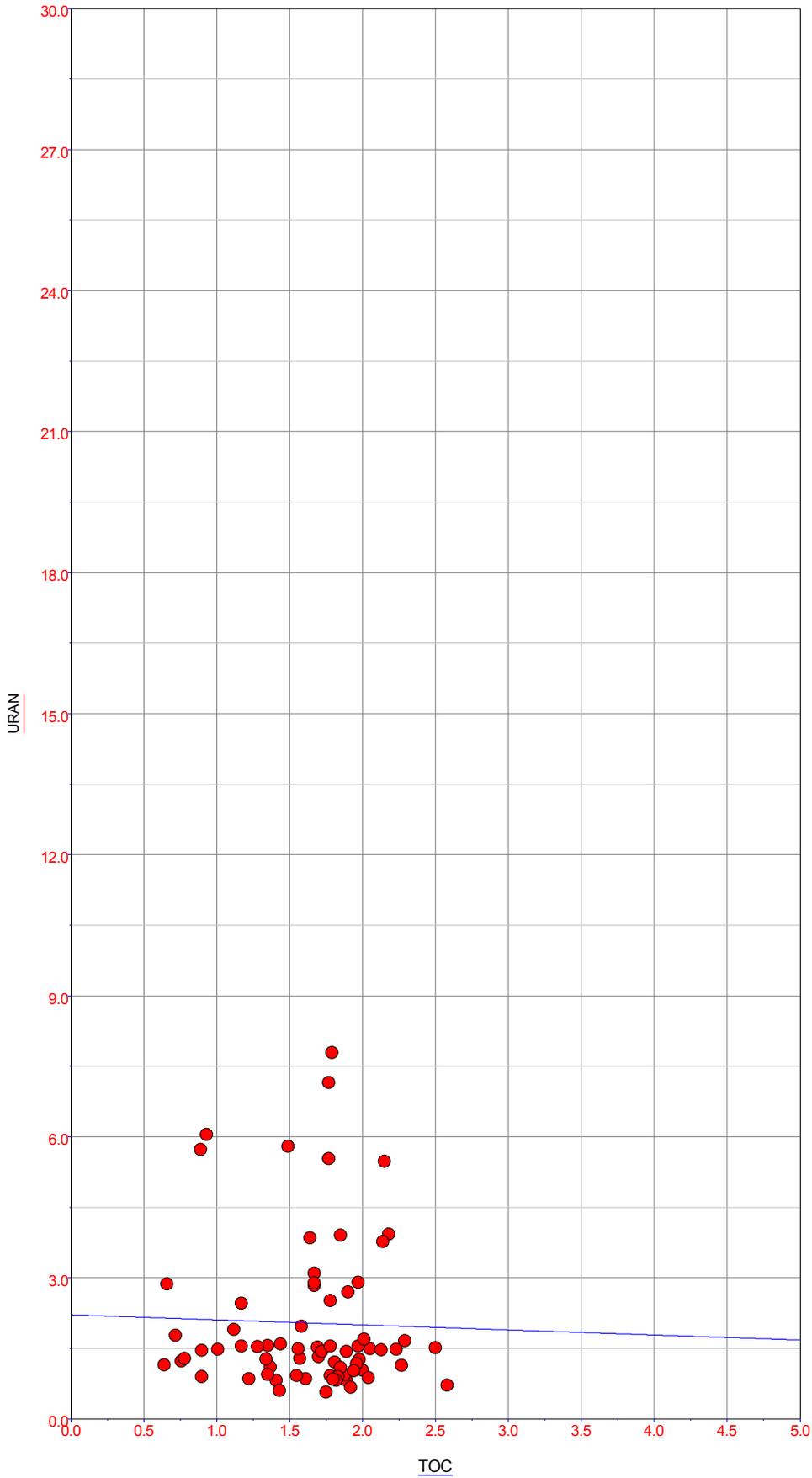
New York Survey 74-NY5 POTA v TOC

Active Well Regression Analysis Equations:
 $y = 0.082011 - 0.036072x$ $r = -0.153268$



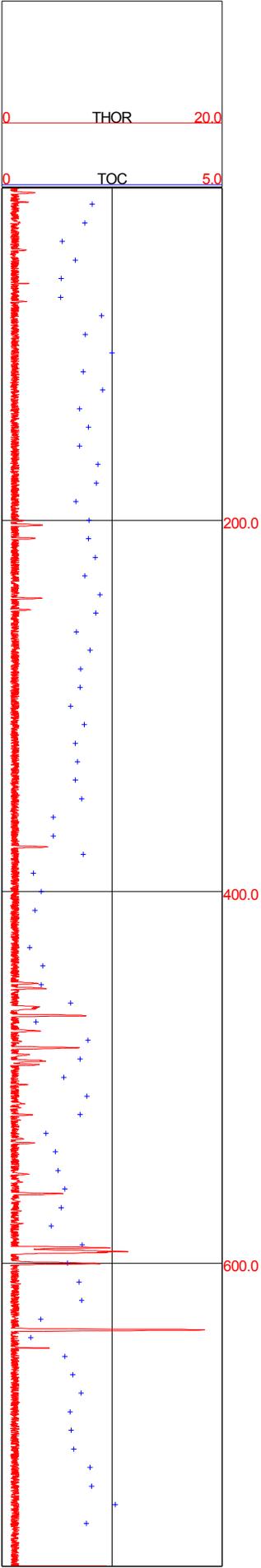
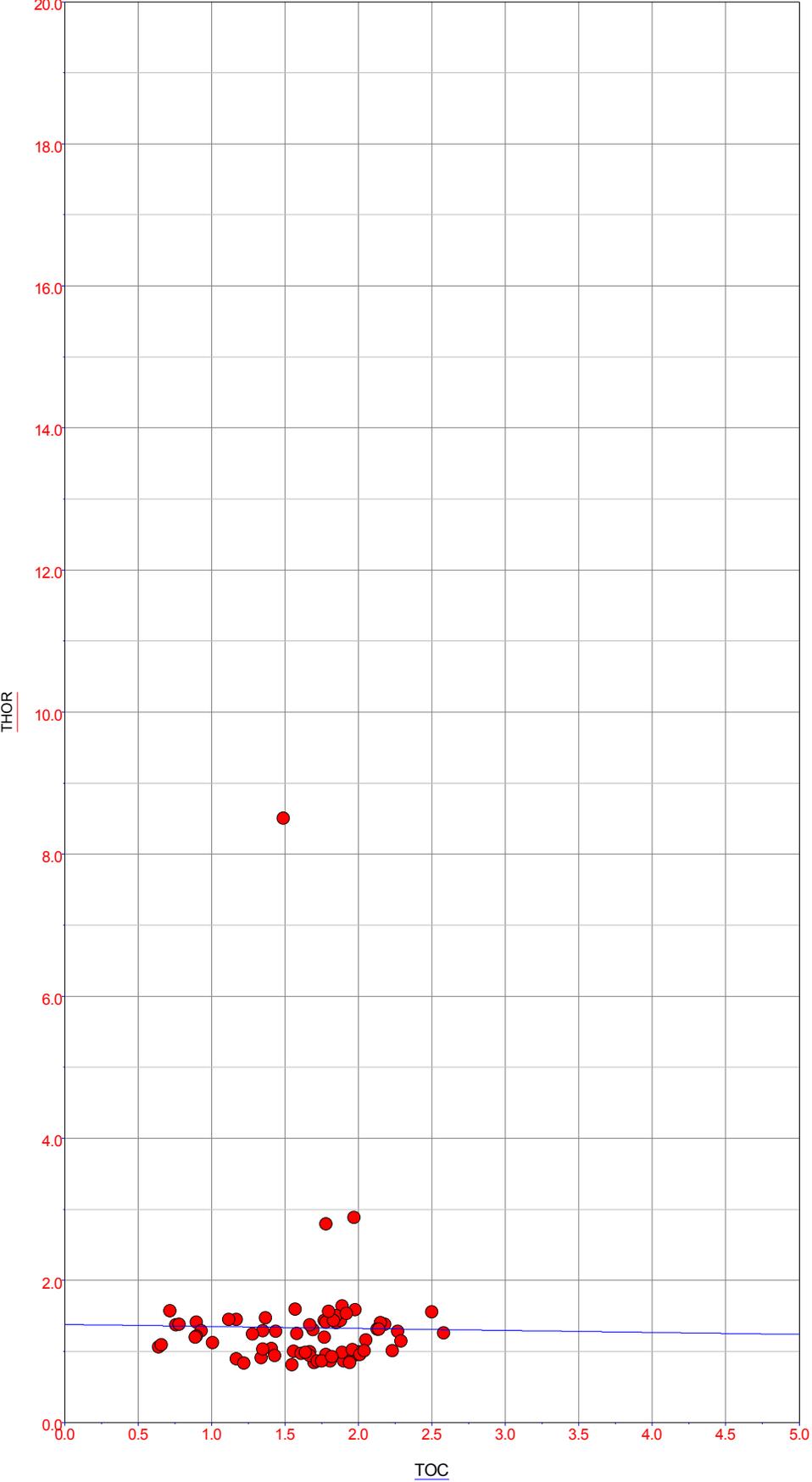
New York Survey 74-NY5 URAN v TOC

Active Well Regression Analysis Equations:
 $y = 2.211677 - 0.107125x$ $r = -0.029453$



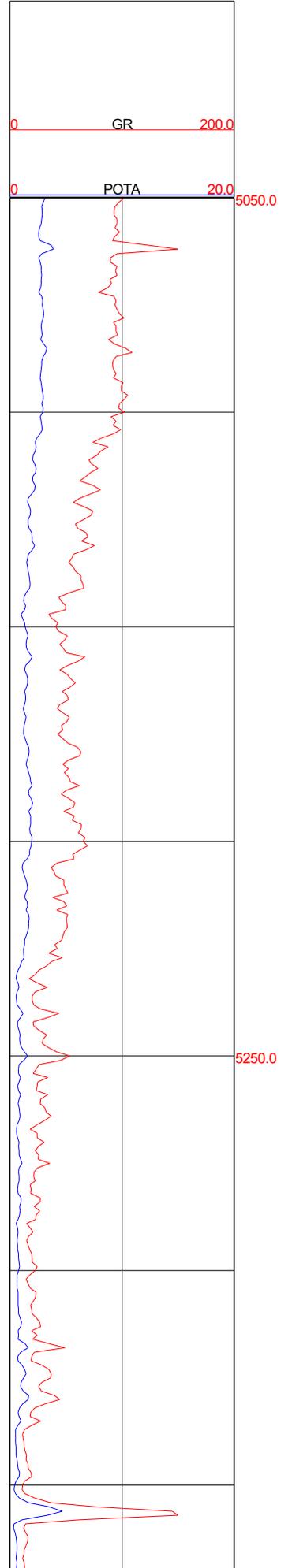
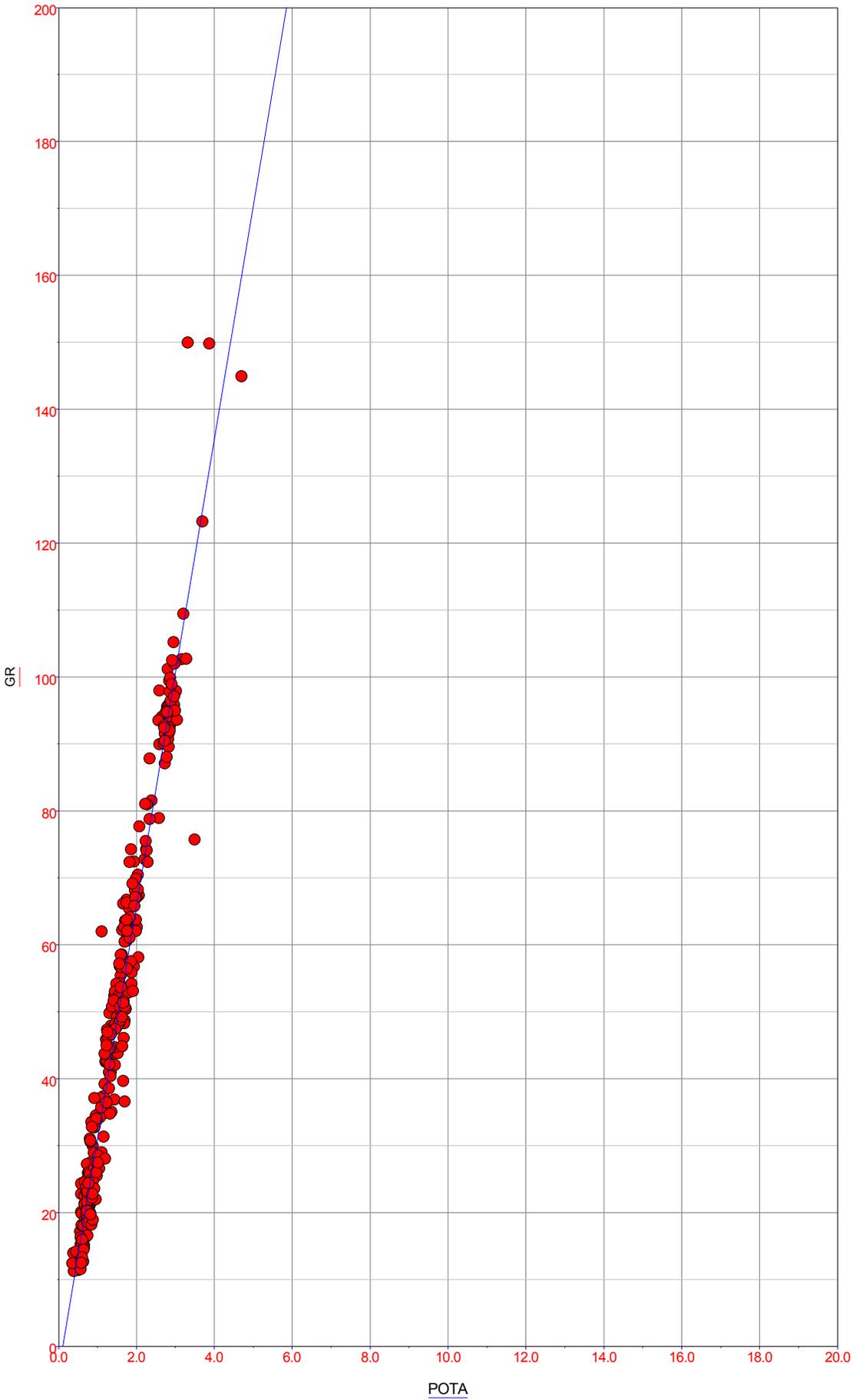
New York Survey 74-NY5 THOR v TOC

Active Well Regression Analysis Equations:
 $y = 1.378354 - 0.027994x$ $r = -0.013396$



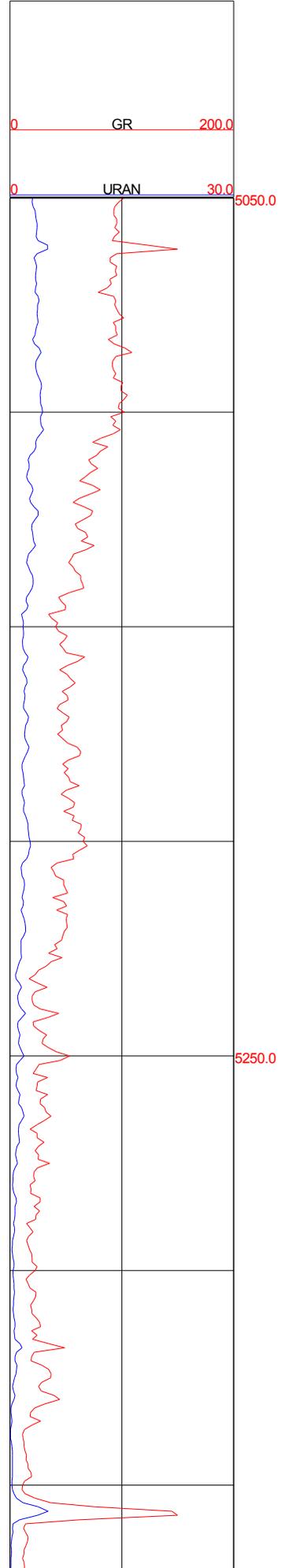
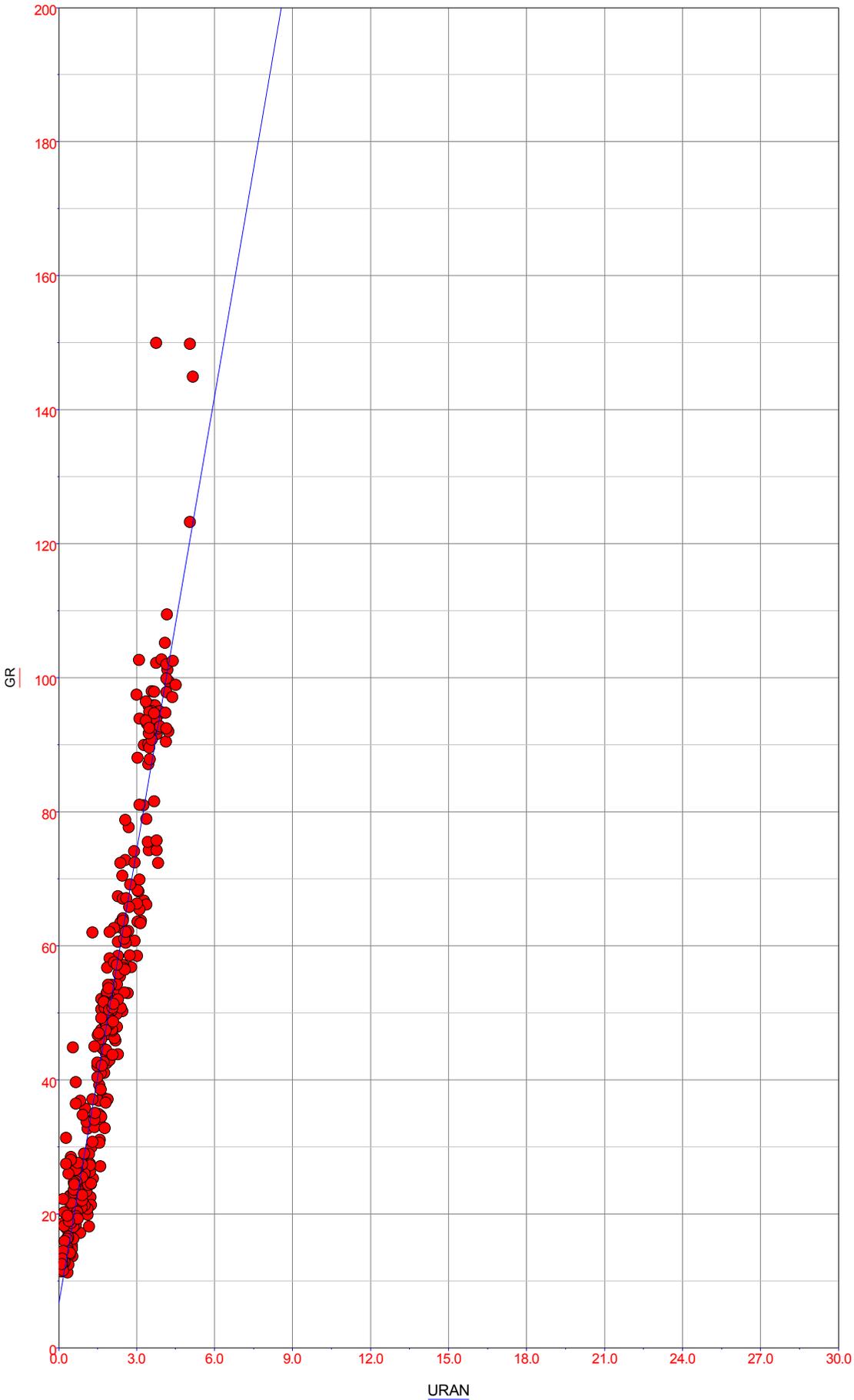
DEVON ENERGY PRODUCTION CO HERSHBERGER 1P GR v POTA

Active Well Regression Analysis Equations:
 $y = -3.584995 + 34.831352x$ $r = 0.978587$



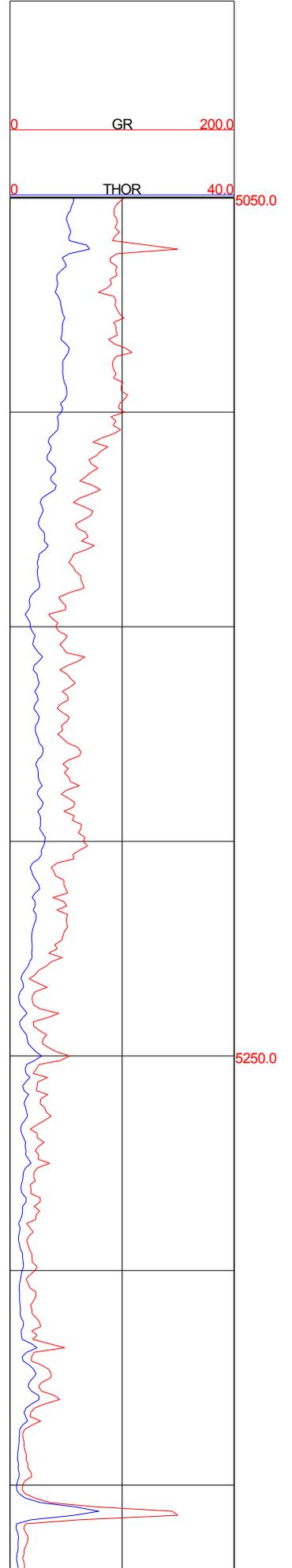
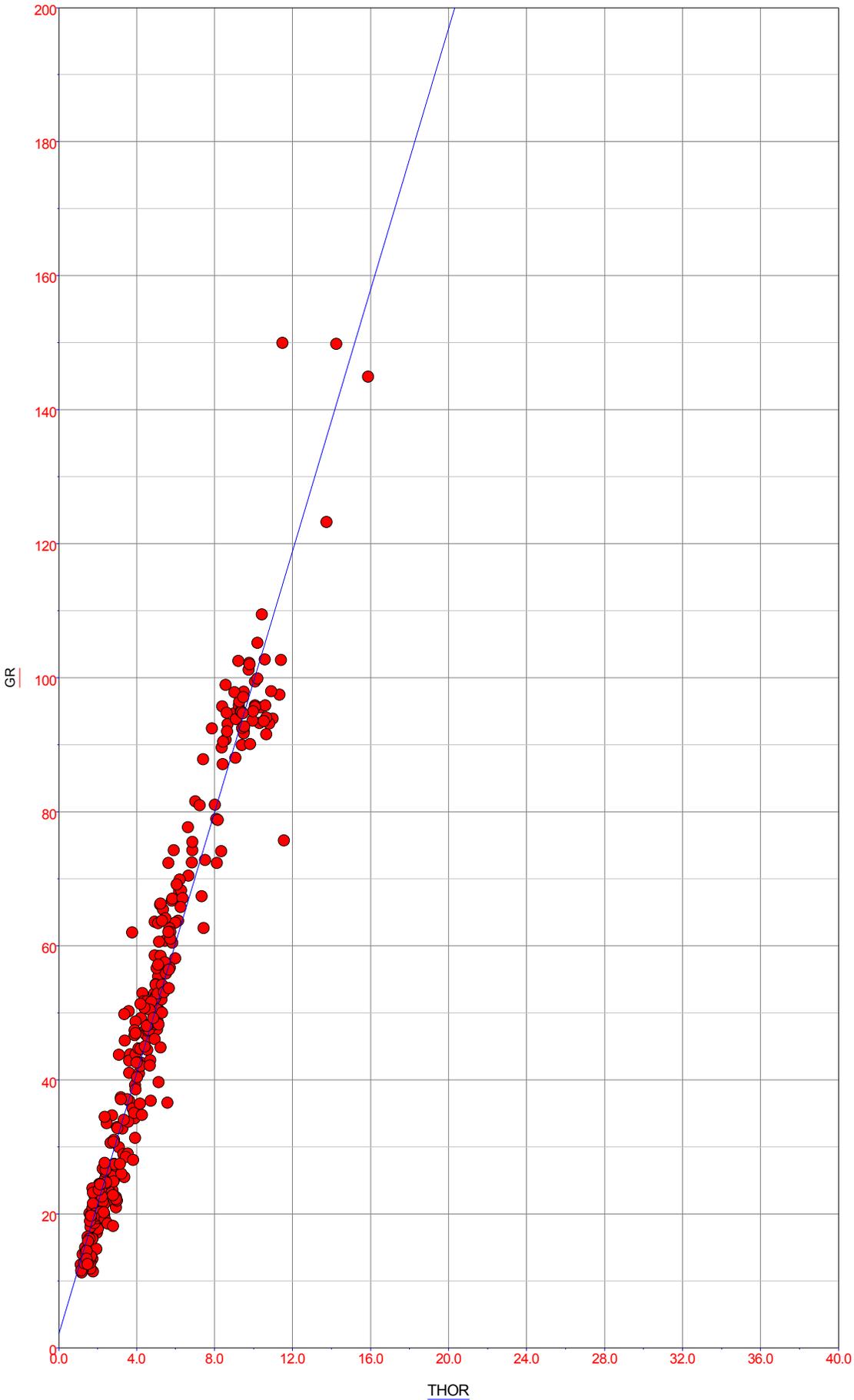
DEVON ENERGY PRODUCTION CO HERSHBERGER 1P GR v URAN

Active Well Regression Analysis Equations:
 $y = 6.651981 + 22.597921x$ $r = 0.957479$



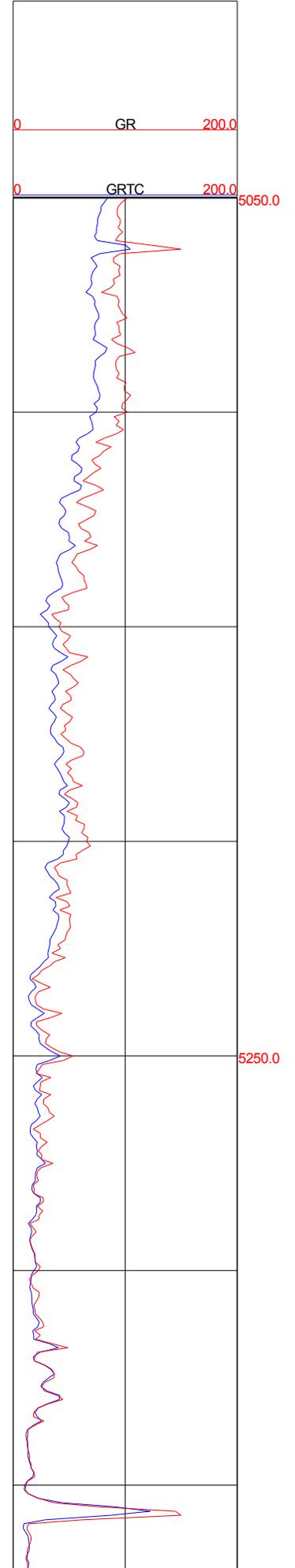
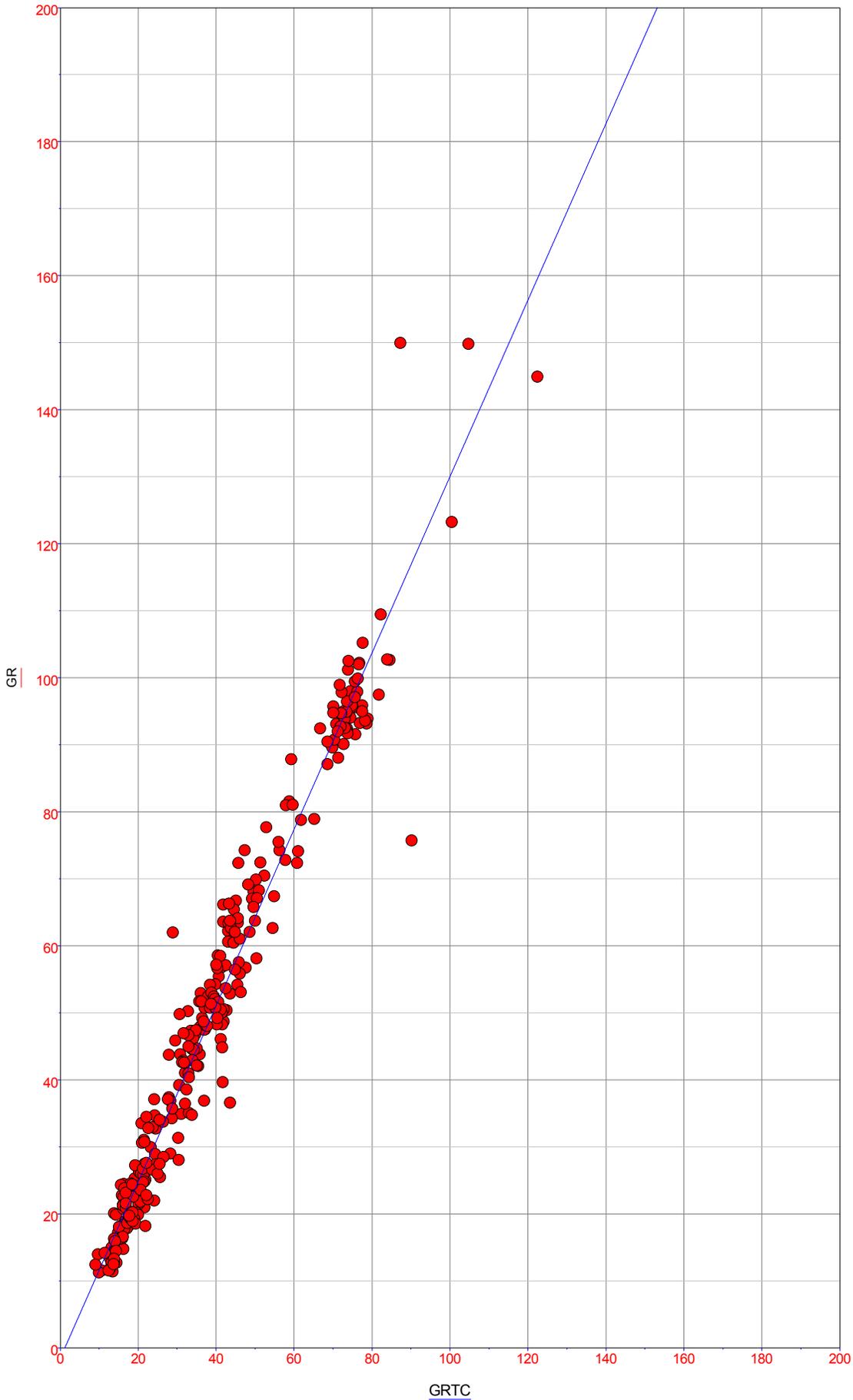
DEVON ENERGY PRODUCTION CO HERSHBERGER 1P GR v THOR

Active Well Regression Analysis Equations:
 $y = 2.081068 + 9.747436x$ $r = 0.972976$



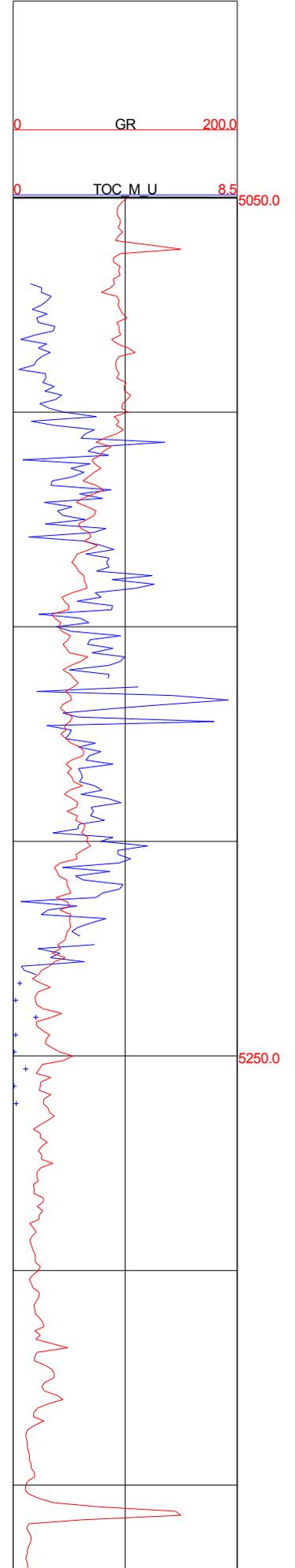
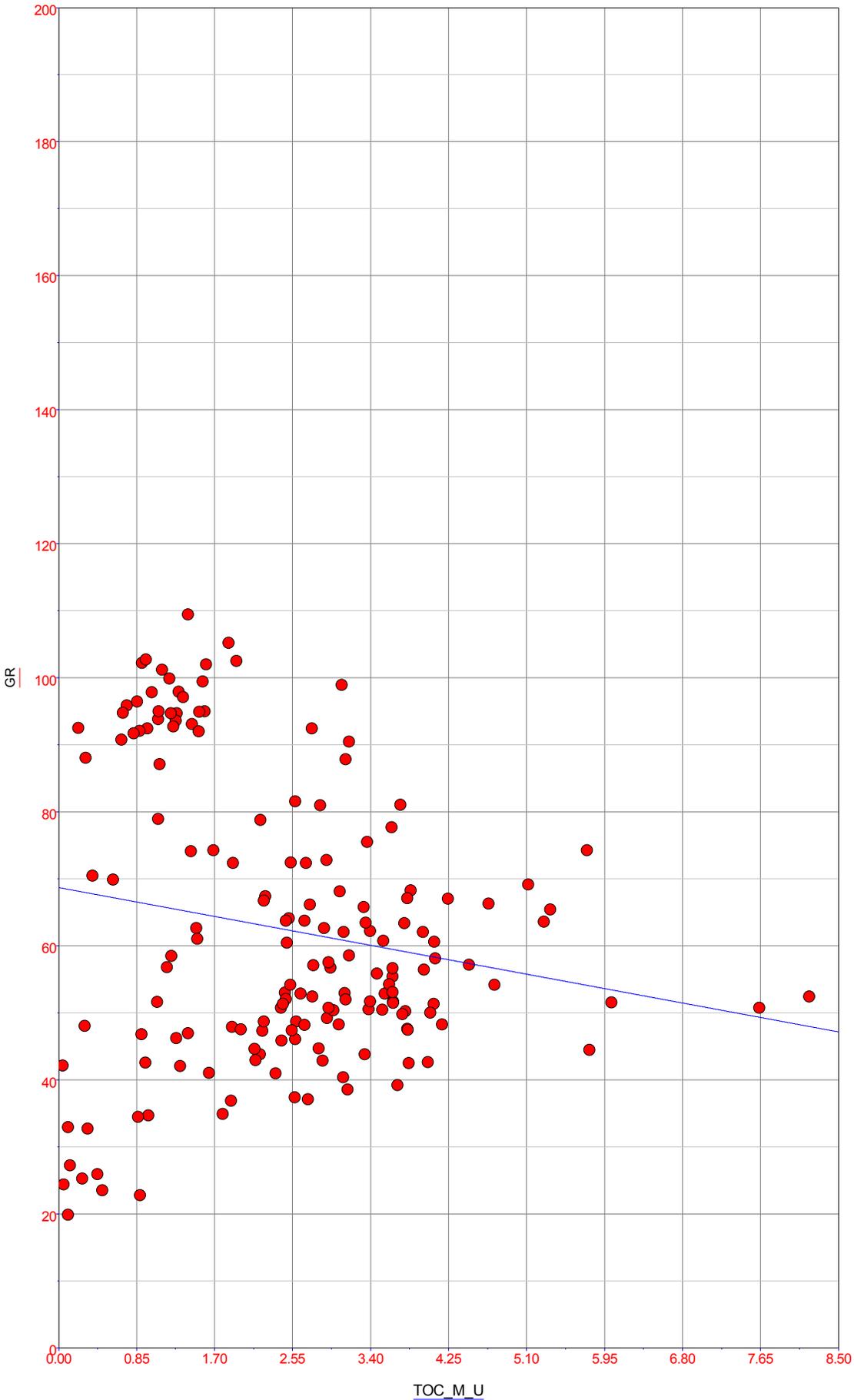
DEVON ENERGY PRODUCTION CO HERSHBERGER 1P GR v KTh

Active Well Regression Analysis Equations:
 $y = -1.518629 + 1.316324x$ $r = 0.980138$



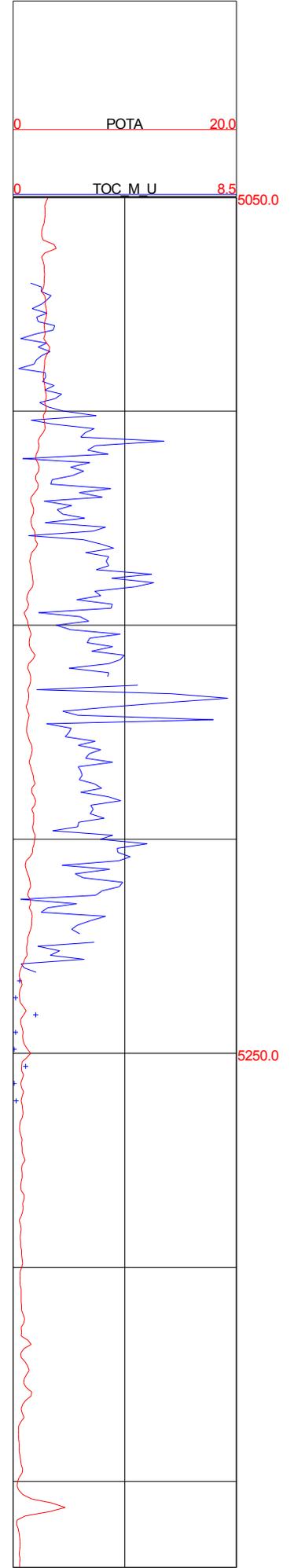
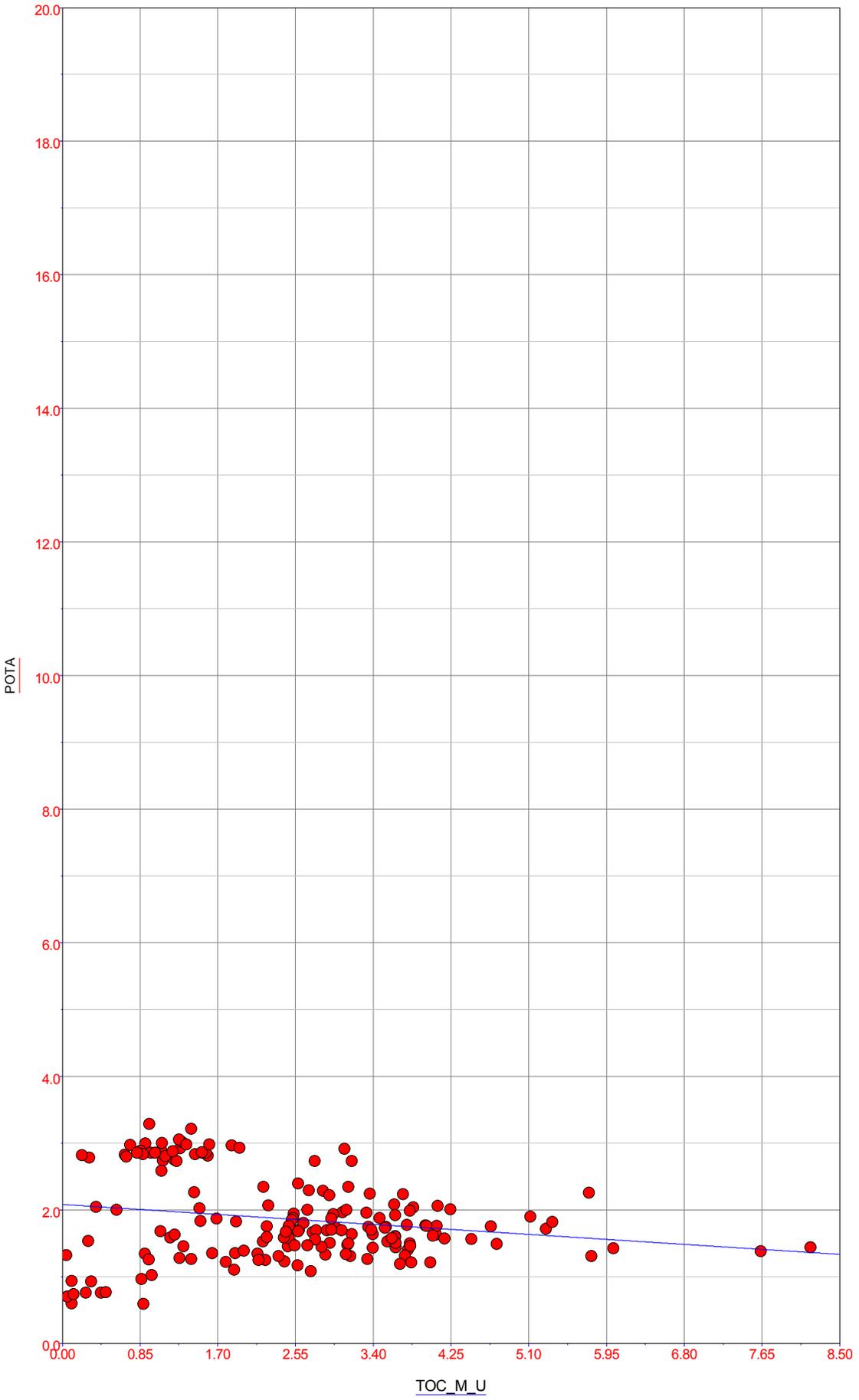
DEVON ENERGY PRODUCTION CO HERSHBERGER 1P GR v TOC

Active Well Regression Analysis Equations:
 $y = 68.675247 - 2.534213x$ $r = -0.164325$



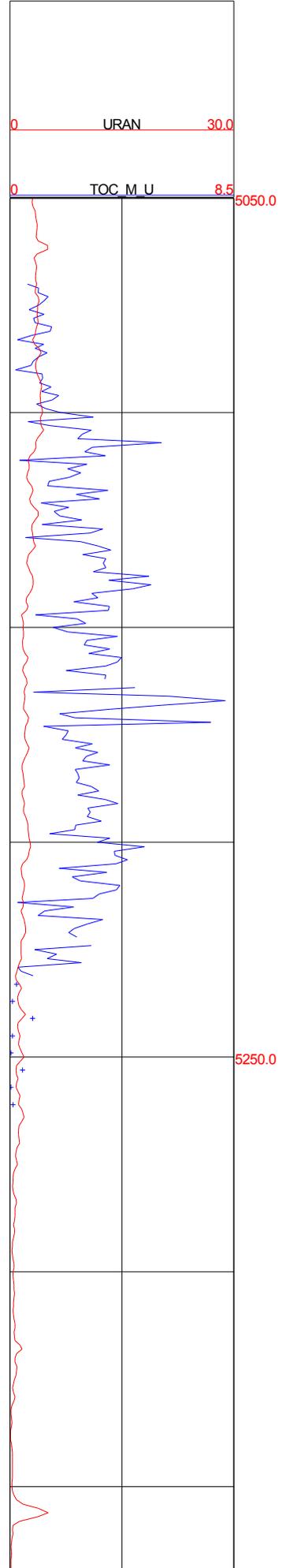
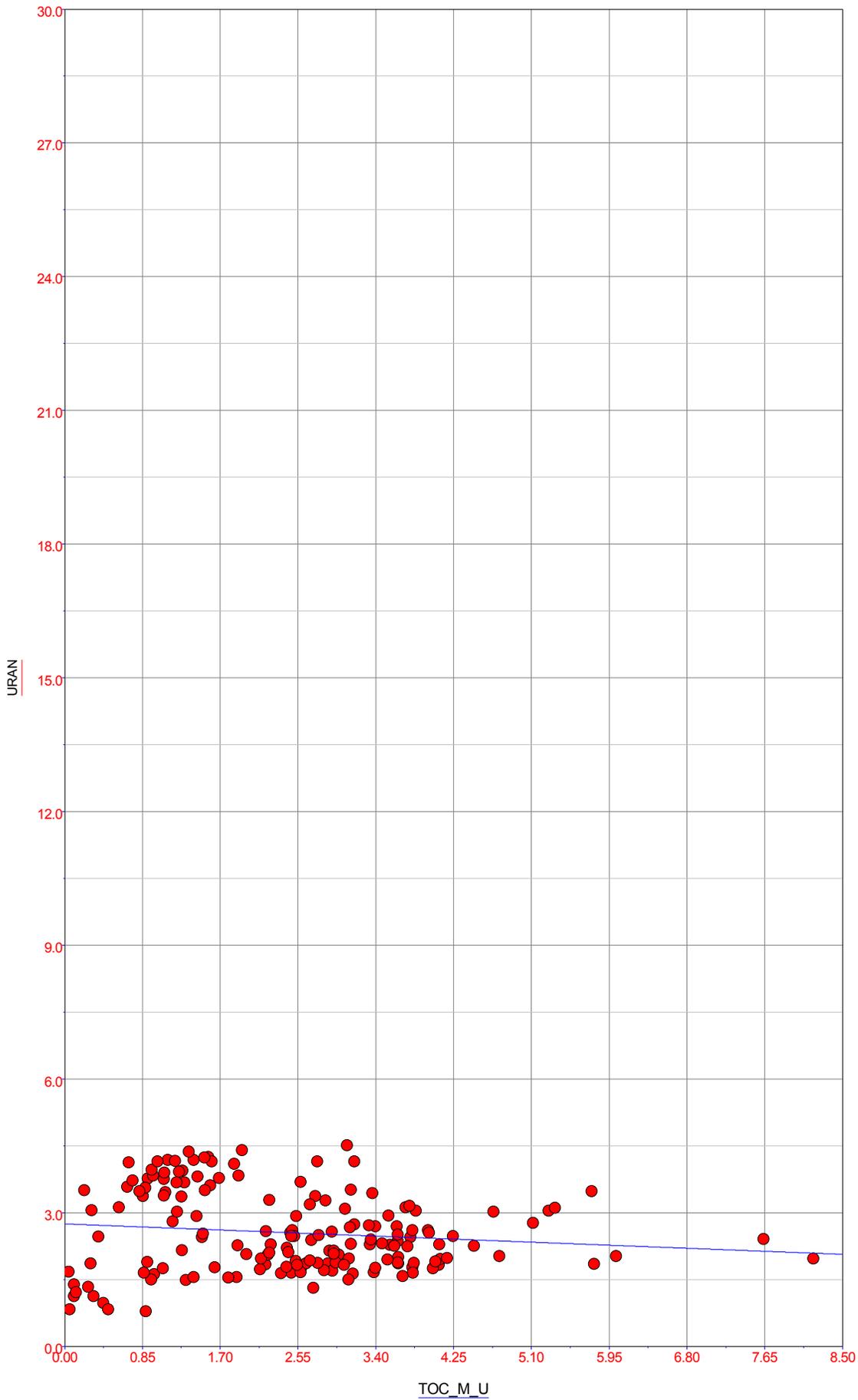
DEVON ENERGY PRODUCTION CO HERSHBERGER 1P POTA v TOC

Active Well Regression Analysis Equations:
 $y = 2.079166 - 0.087941x$ $r = -0.199940$



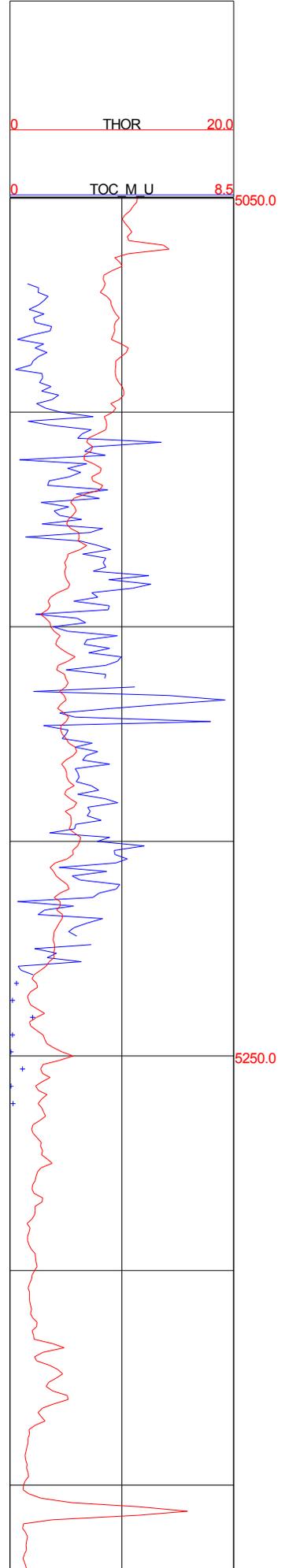
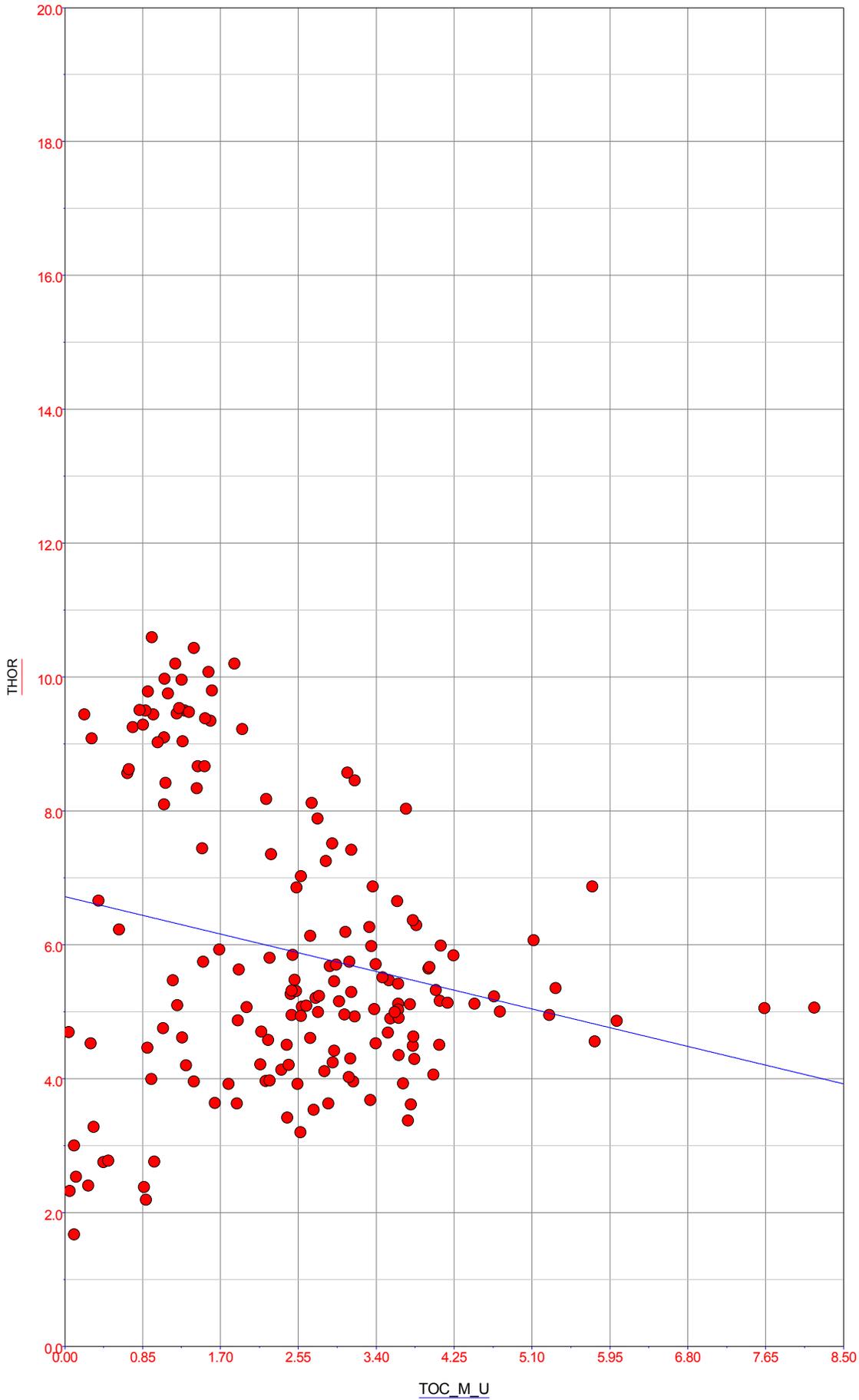
DEVON ENERGY PRODUCTION CO HERSHBERGER 1P URAN v TOC

Active Well Regression Analysis Equations:
 $y = 2.746199 - 0.080309x$ $r = -0.128587$



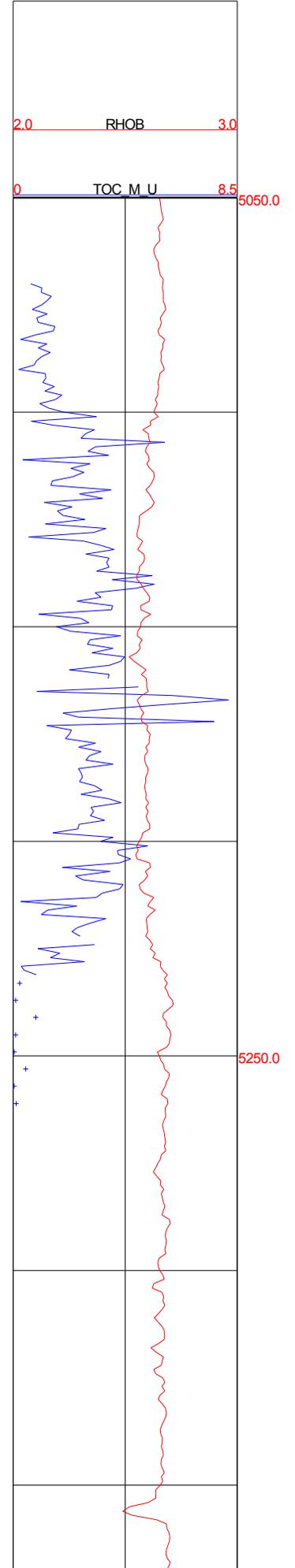
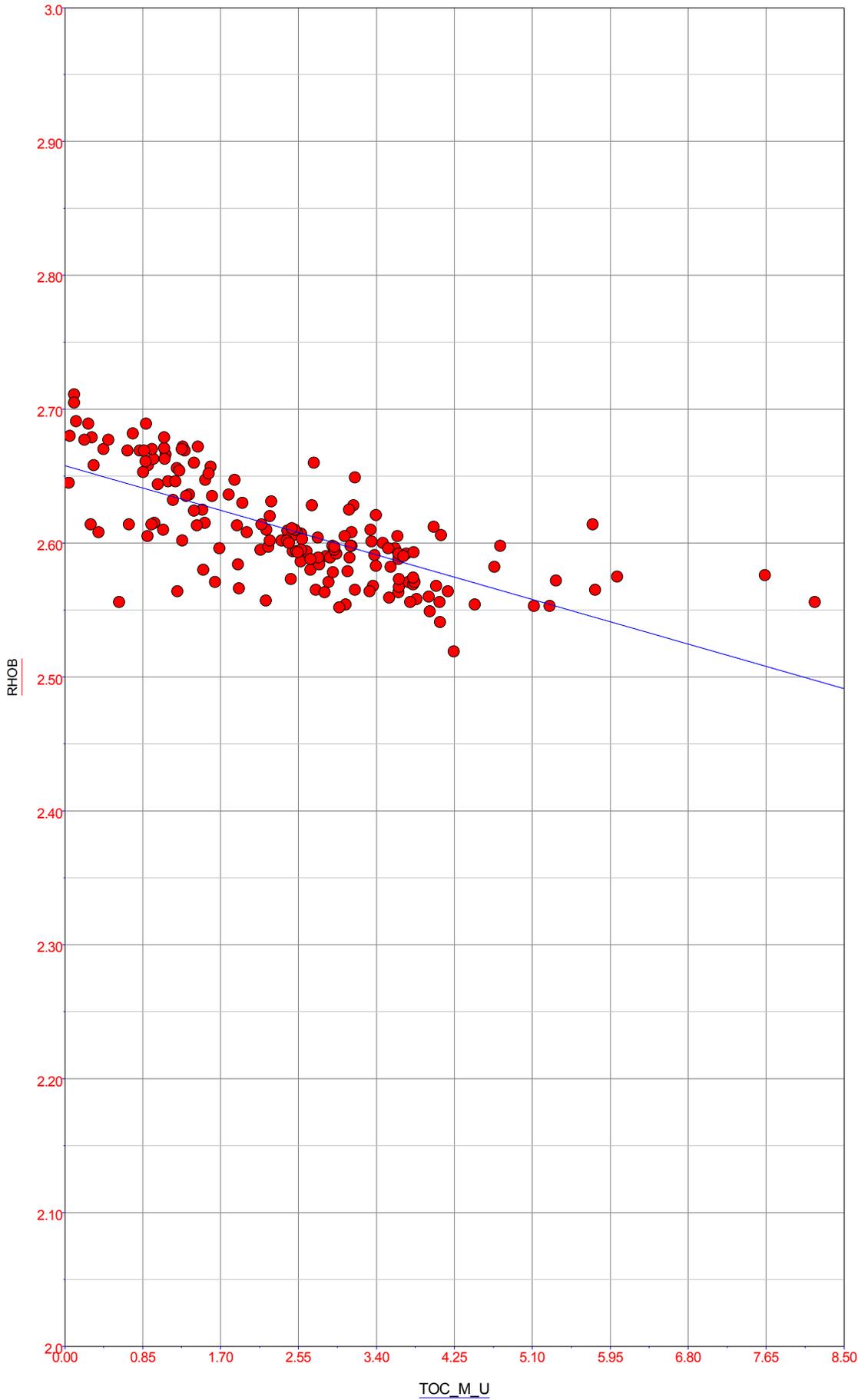
DEVON ENERGY PRODUCTION CO HERSHBERGER 1P THOR v TOC

Active Well Regression Analysis Equations:
 $y = 6.717867 - 0.329122x$ $r = -0.221918$



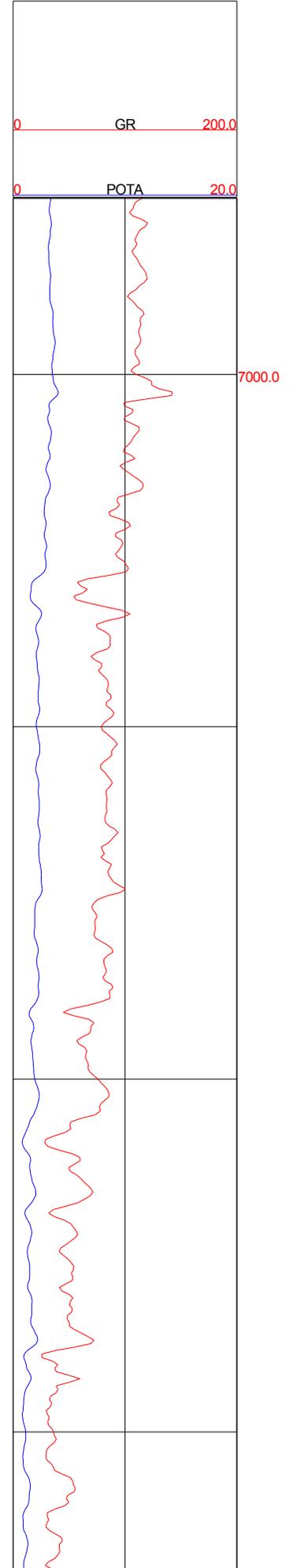
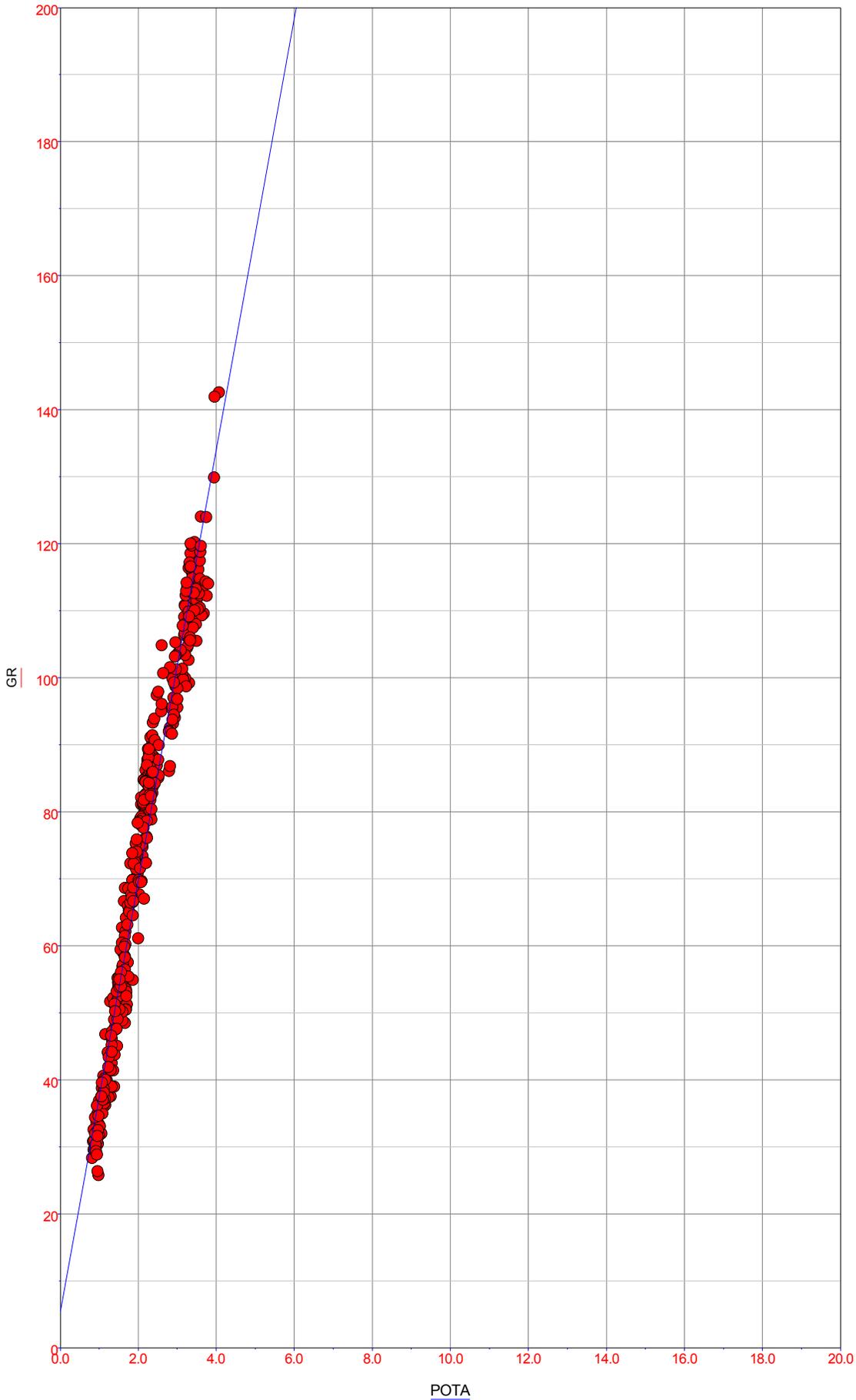
DEVON ENERGY PRODUCTION CO HERSHBERGER 1P RHOB v TOC

Active Well Regression Analysis Equations:
 $y = 2.657818 - 0.019600x$ $r = -0.713968$



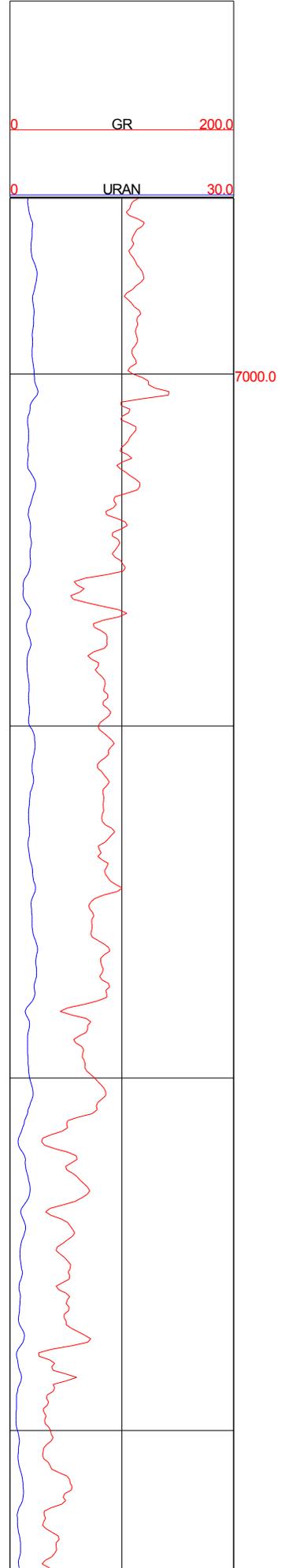
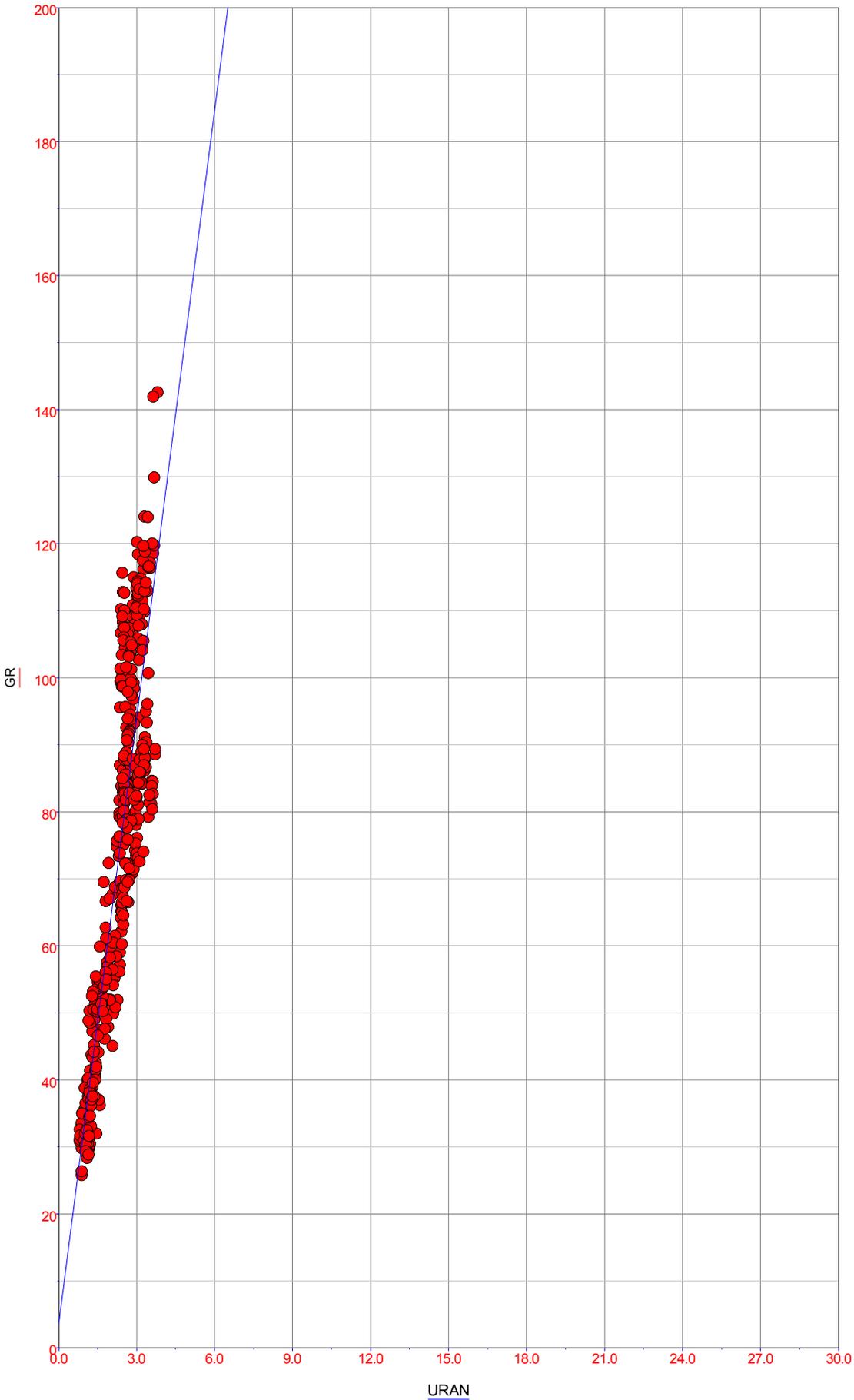
DEVON ENERGY PRODUCTION CO THE CHUMNEY FAMILY TRUST 1P#1P GR v POTA

Active Well Regression Analysis Equations:
 $y = 5.450772 + 32.194500x$ $r = 0.976440$



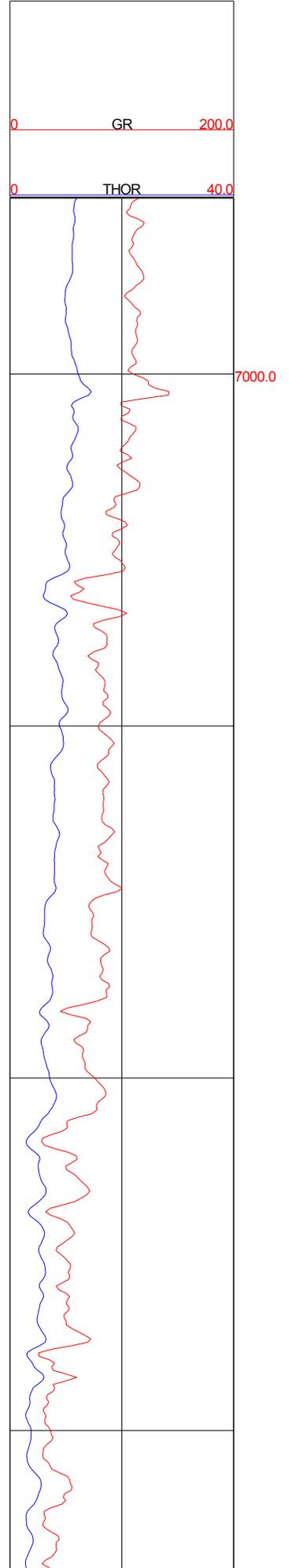
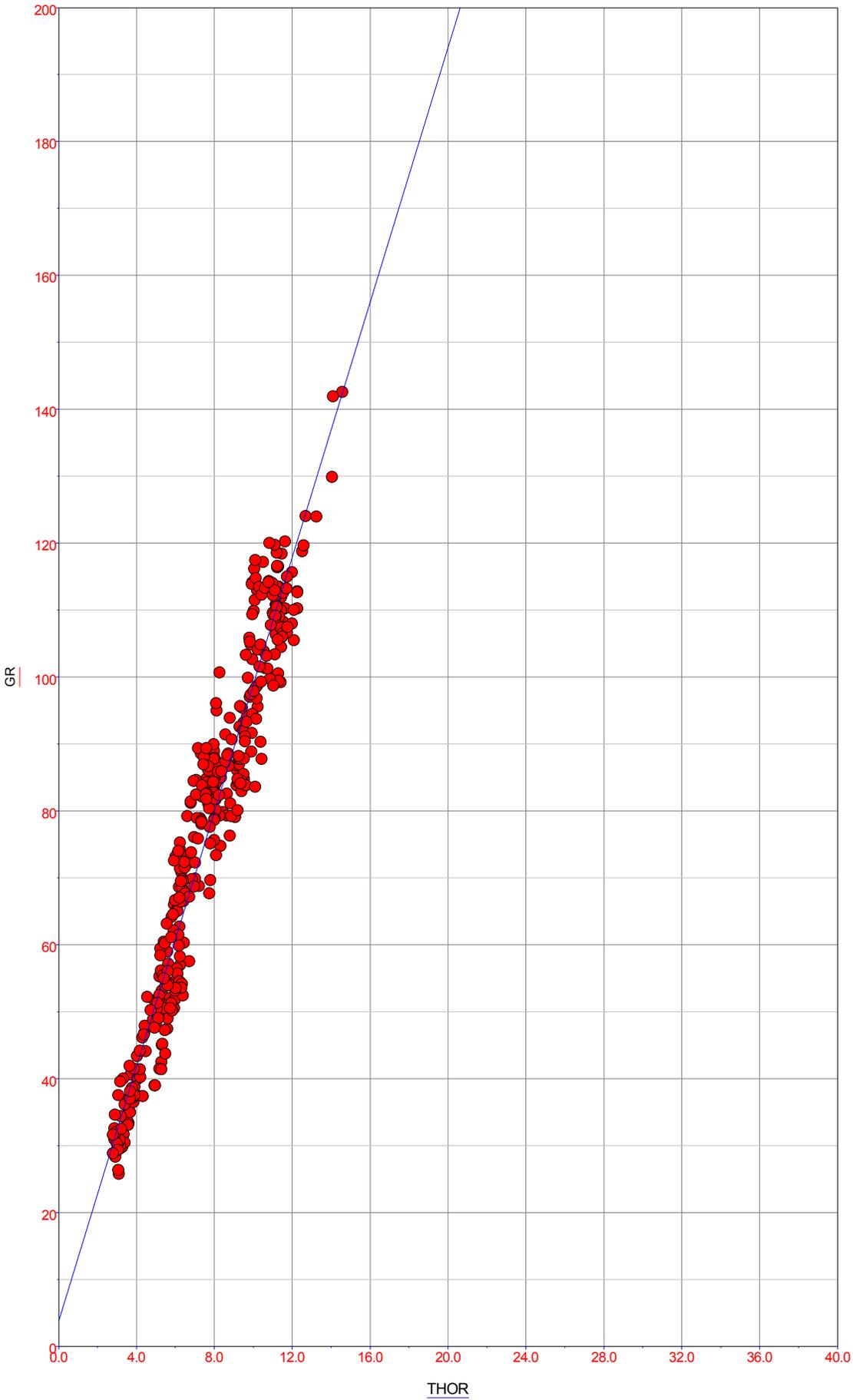
DEVON ENERGY PRODUCTION CO THE CHUMNEY FAMILY TRUST 1P#1P GR v URAN

Active Well Regression Analysis Equations:
 $y = 3.713058 + 30.205408x$ $r = 0.865976$



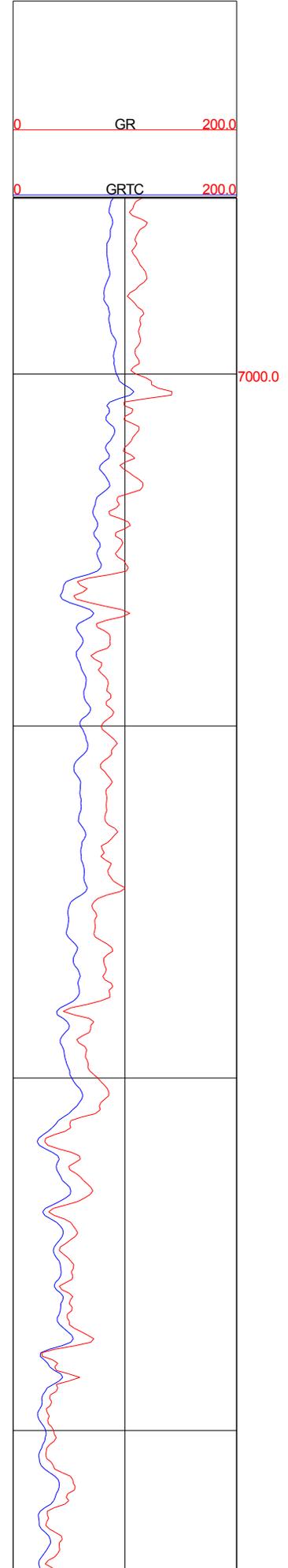
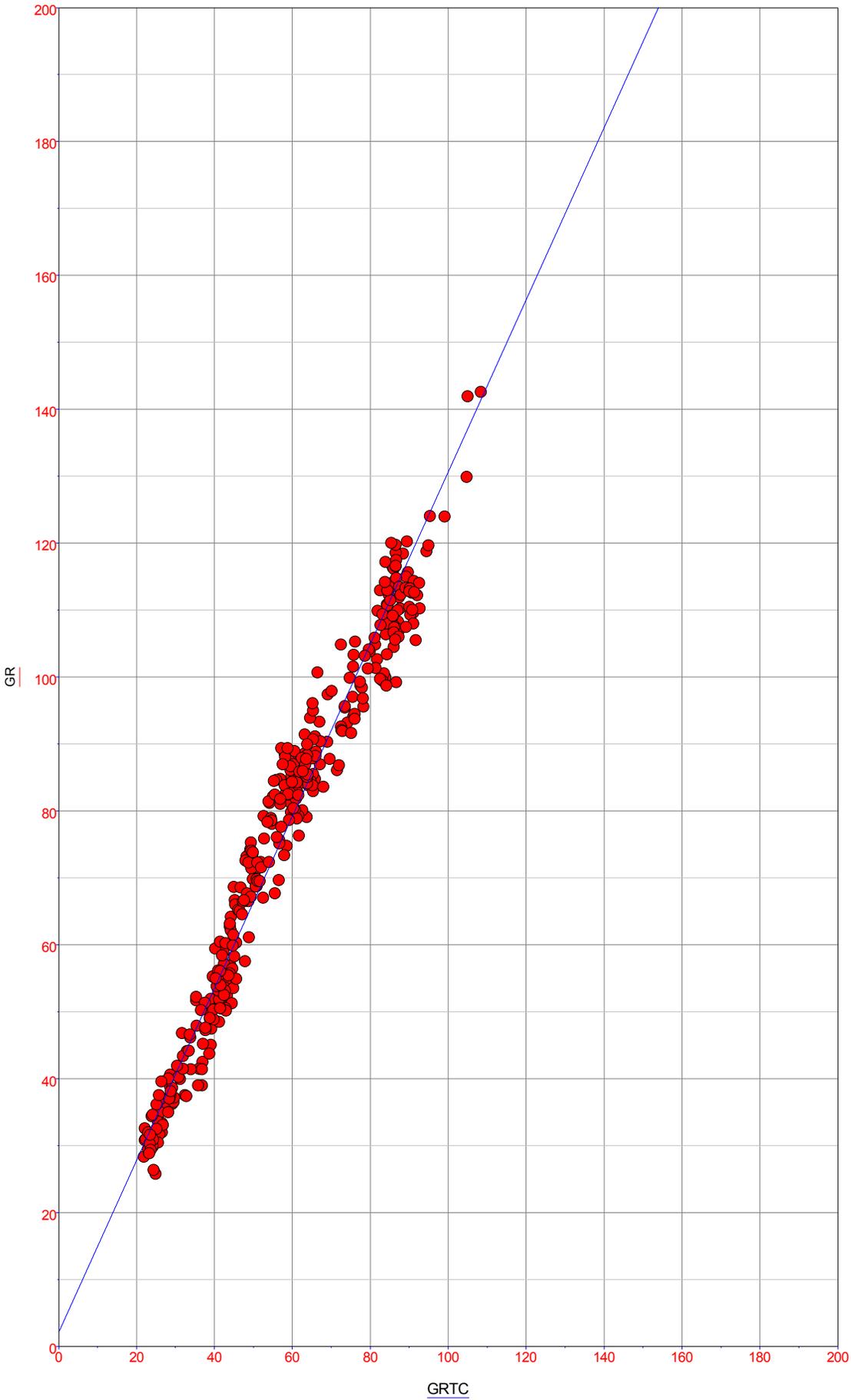
DEVON ENERGY PRODUCTION CO THE CHUMNEY FAMILY TRUST 1P#1P GR v THOR

Active Well Regression Analysis Equations:
 $y = 3.802480 + 9.519337x$ $r = 0.967359$



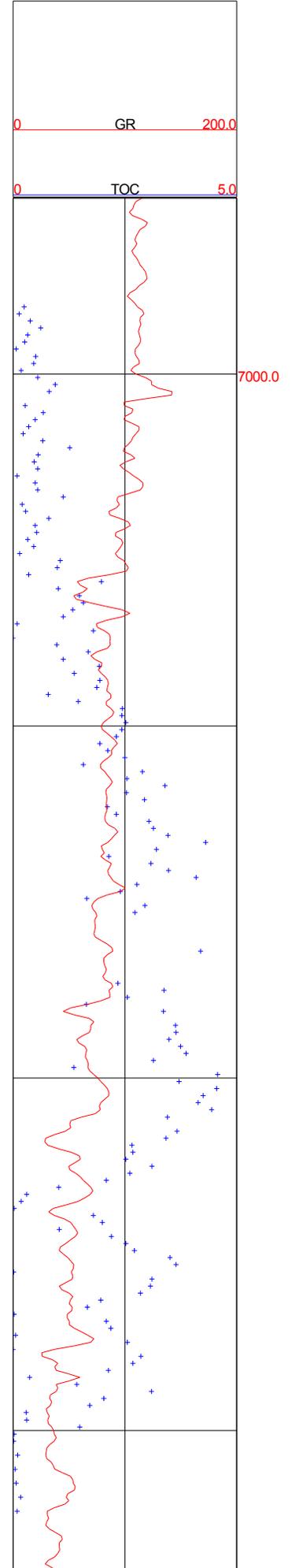
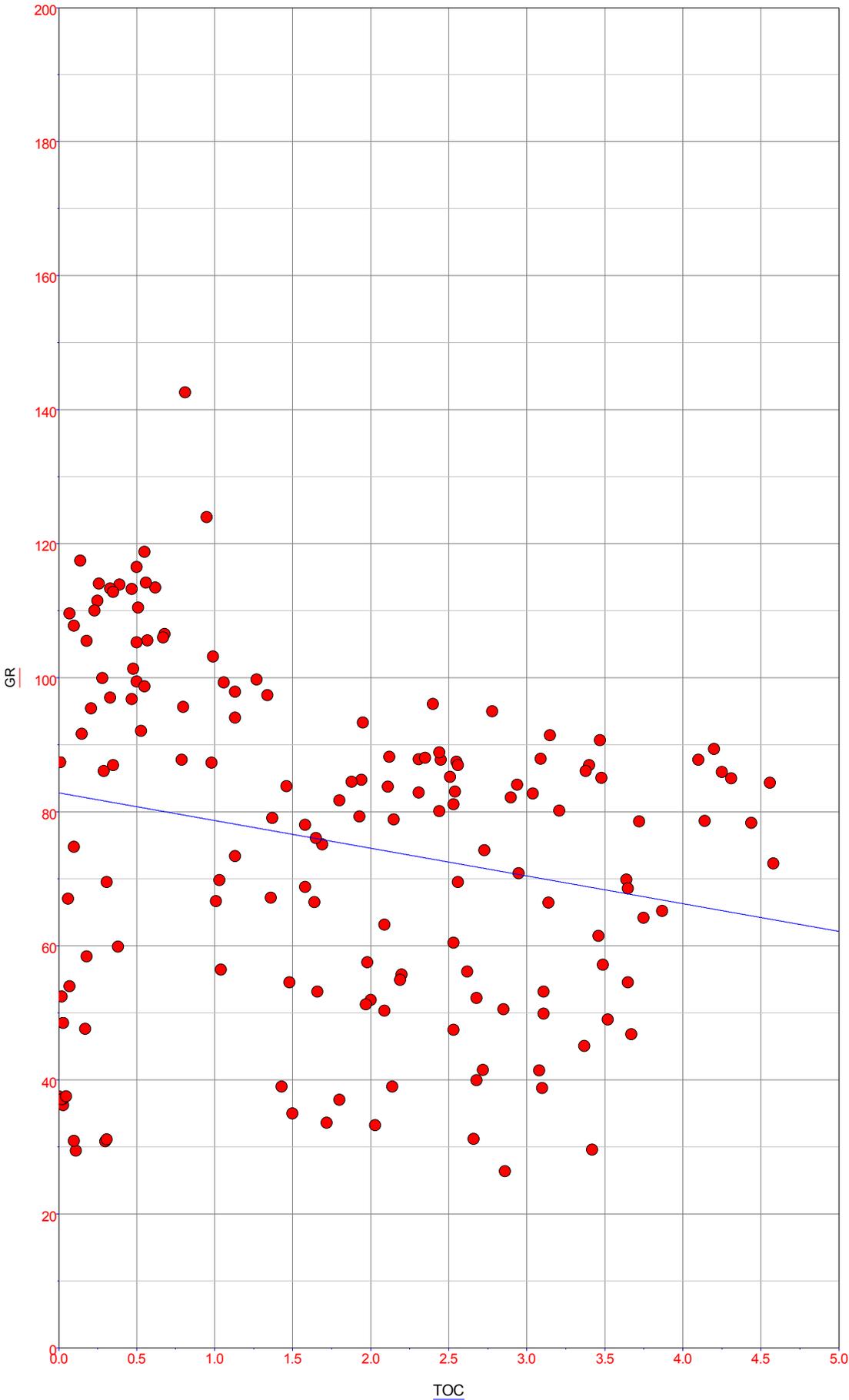
DEVON ENERGY PRODUCTION CO THE CHUMNEY FAMILY TRUST 1P#1P GR v KTH

Active Well Regression Analysis Equations:
 $y = 2.121688 + 1.285836x$ $r = 0.981421$



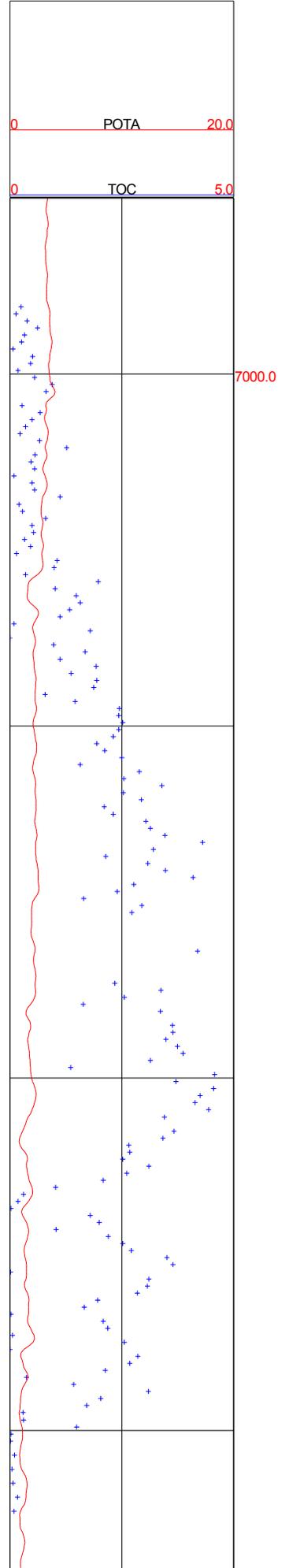
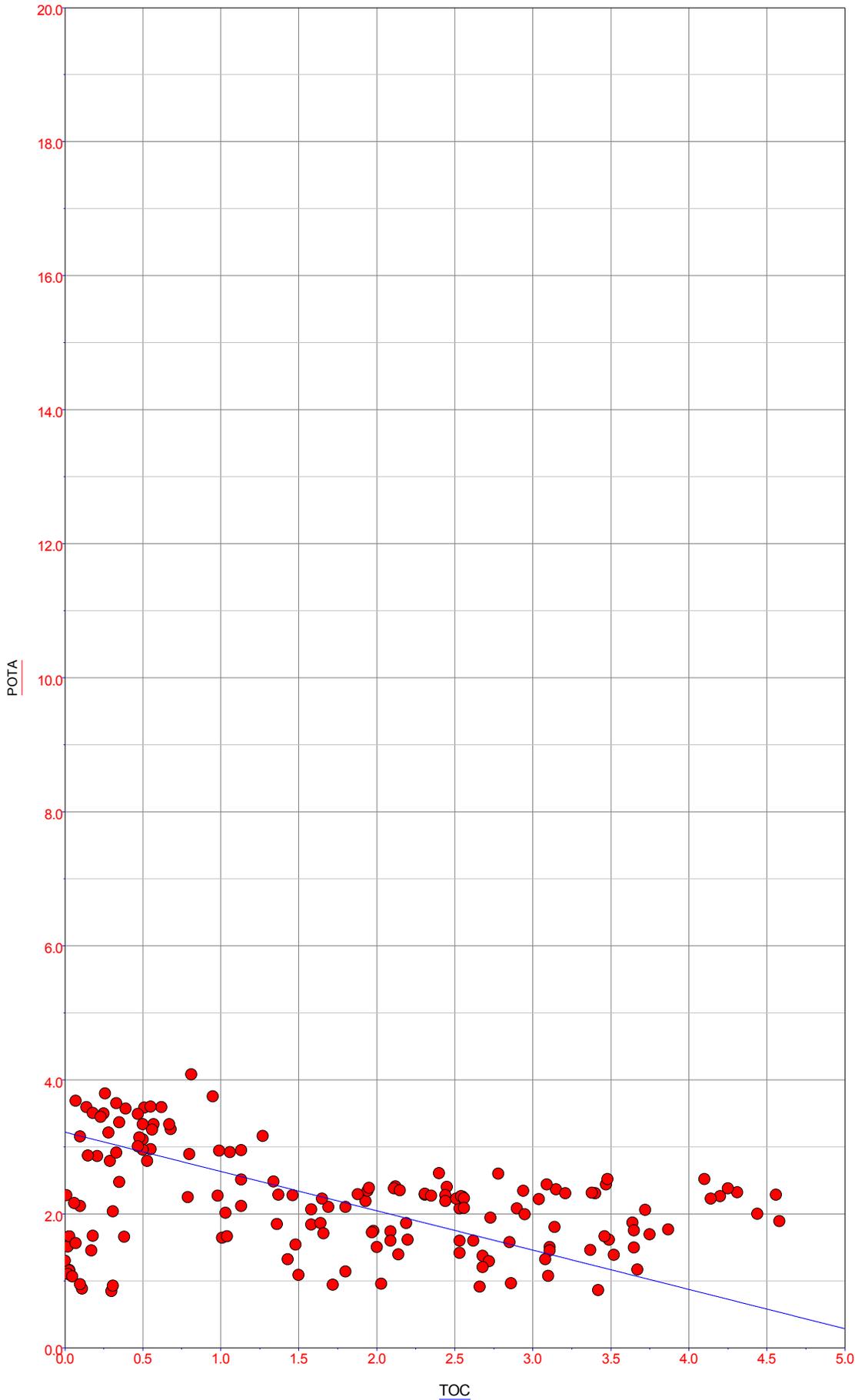
DEVON ENERGY PRODUCTION CO THE CHUMNEY FAMILY TRUST 1P#1P GR v TOC

Active Well Regression Analysis Equations:
 $y = 82.812309 - 4.134861x$ $r = -0.214486$



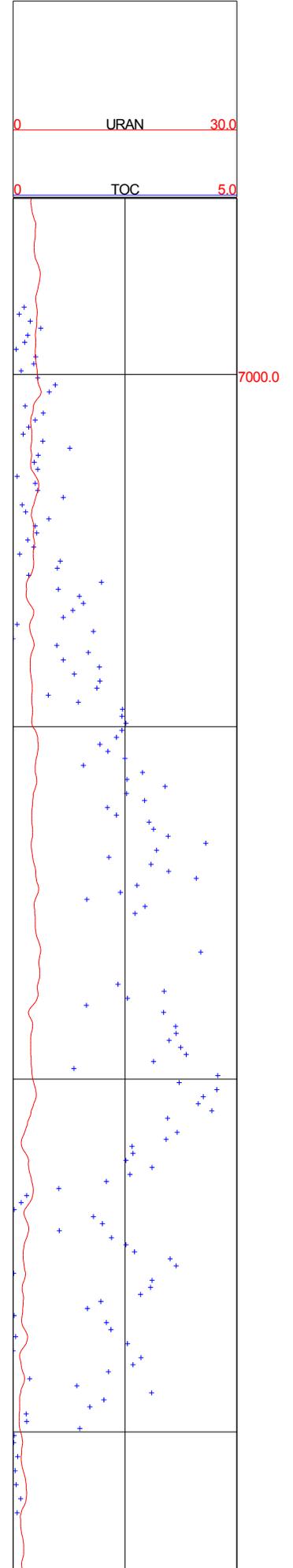
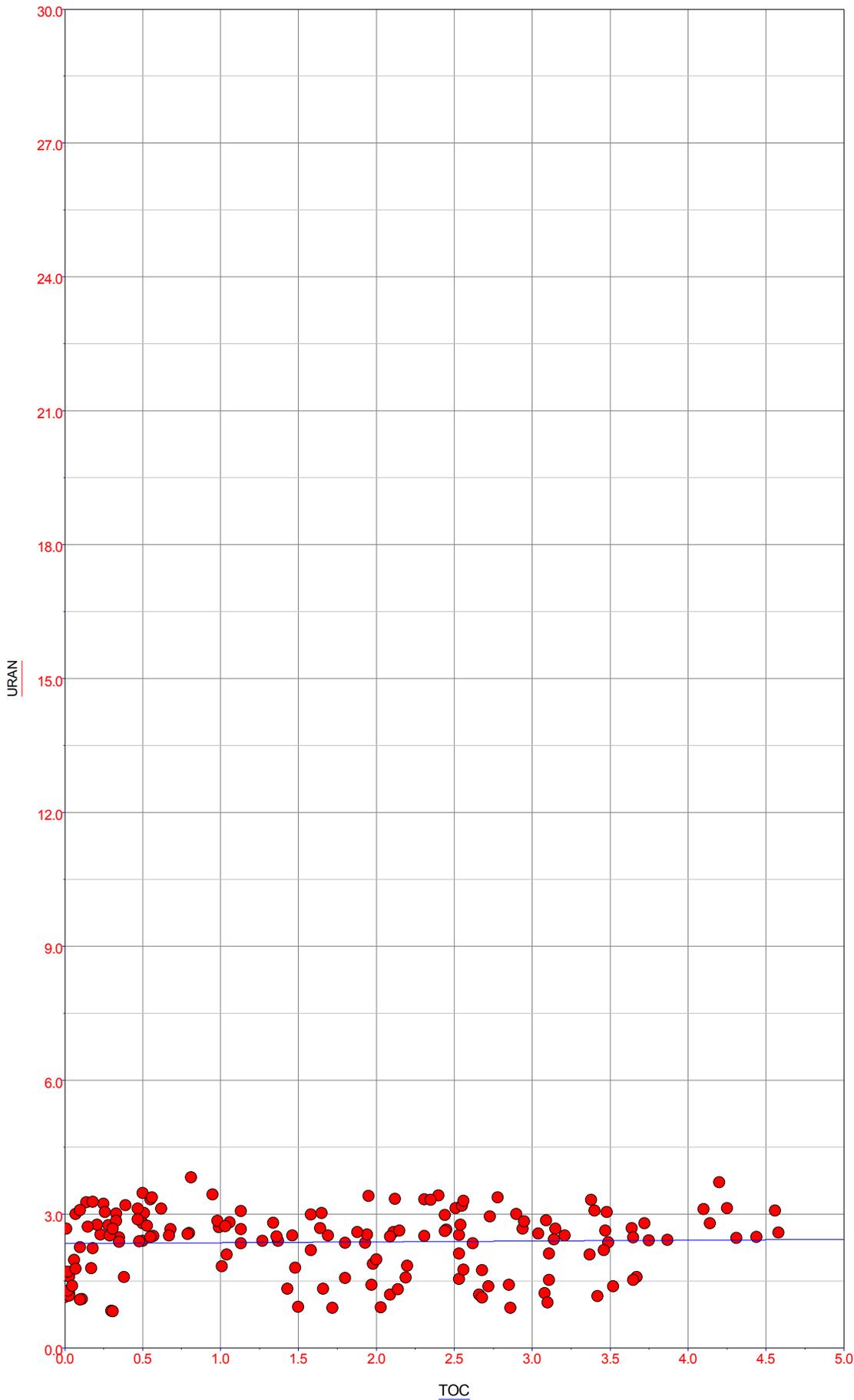
DEVON ENERGY PRODUCTION CO THE CHUMNEY FAMILY TRUST 1P#1P POTA v TOC

Active Well Regression Analysis Equations:
 $y = 3.216679 - 0.586724x$ $r = -0.328299$



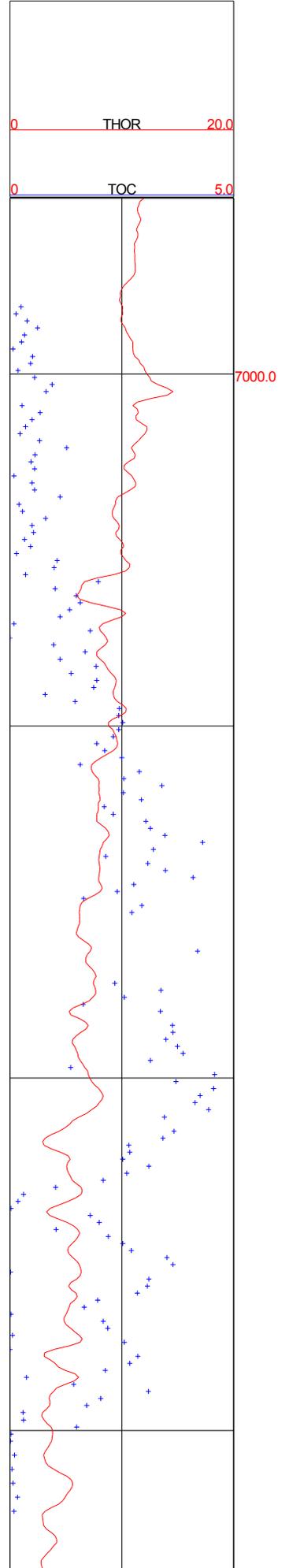
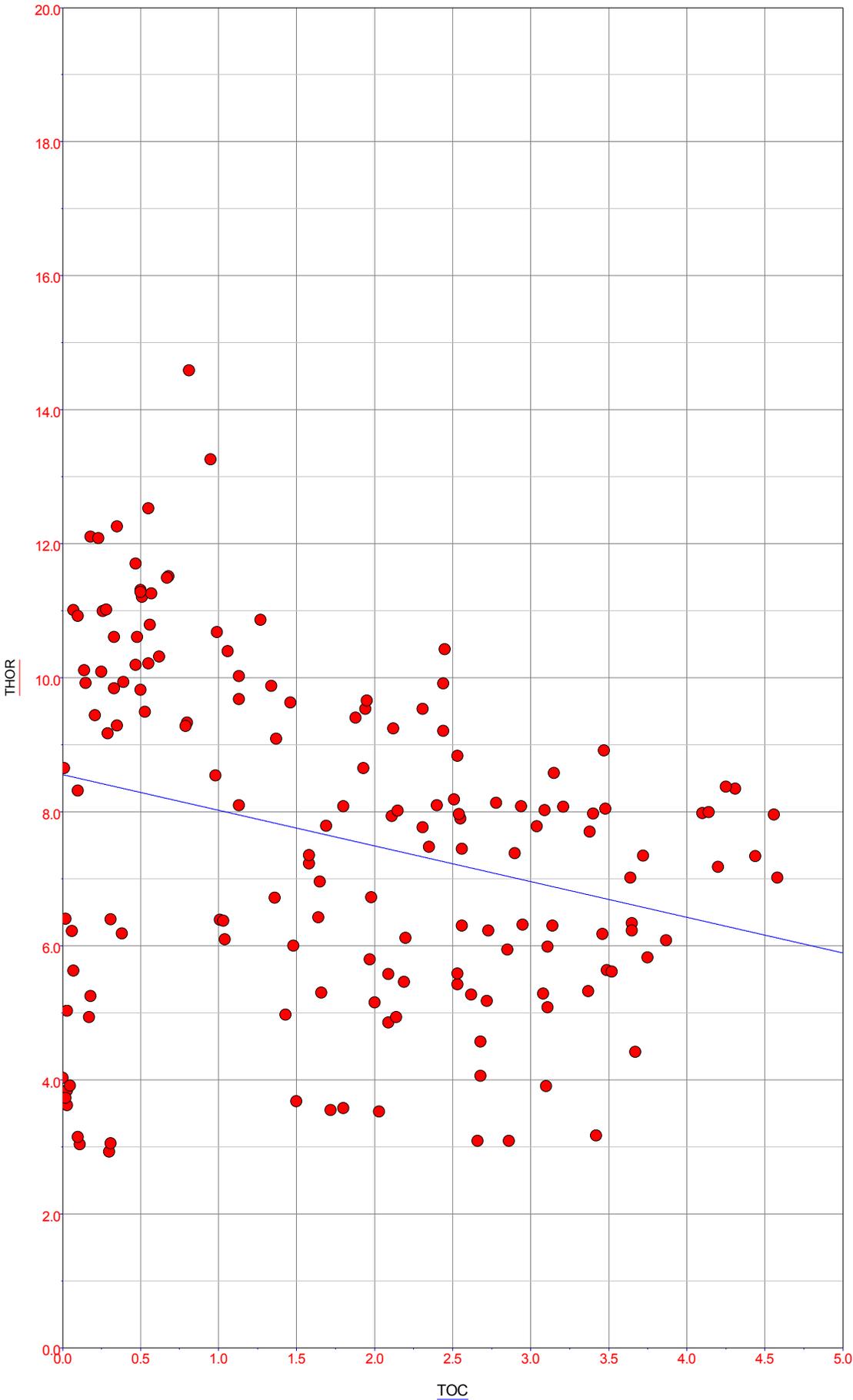
DEVON ENERGY PRODUCTION CO THE CHUMNEY FAMILY TRUST 1P#1P URAN v TOC

Active Well Regression Analysis Equations:
 $y = 2.335815 + 0.018872x$ $r = 0.033970$



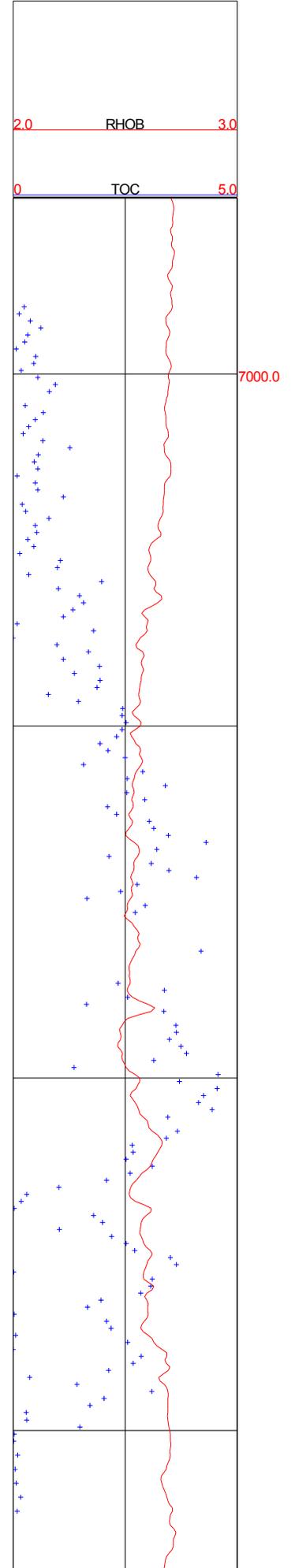
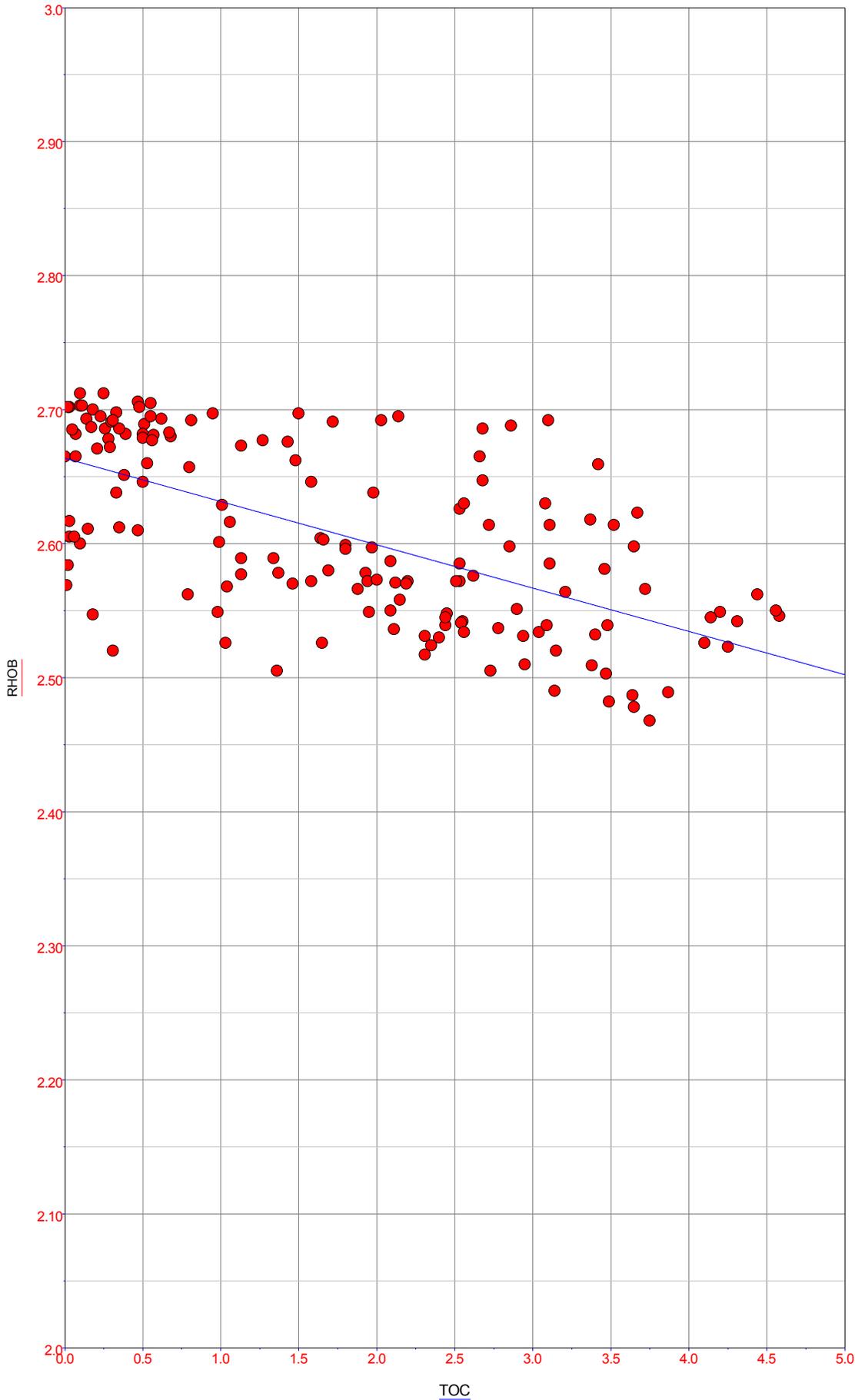
DEVON ENERGY PRODUCTION CO THE CHUMNEY FAMILY TRUST 1P#1P THOR v TOC

Active Well Regression Analysis Equations:
 $y = 8.553194 - 0.532332x$ $r = -0.273885$



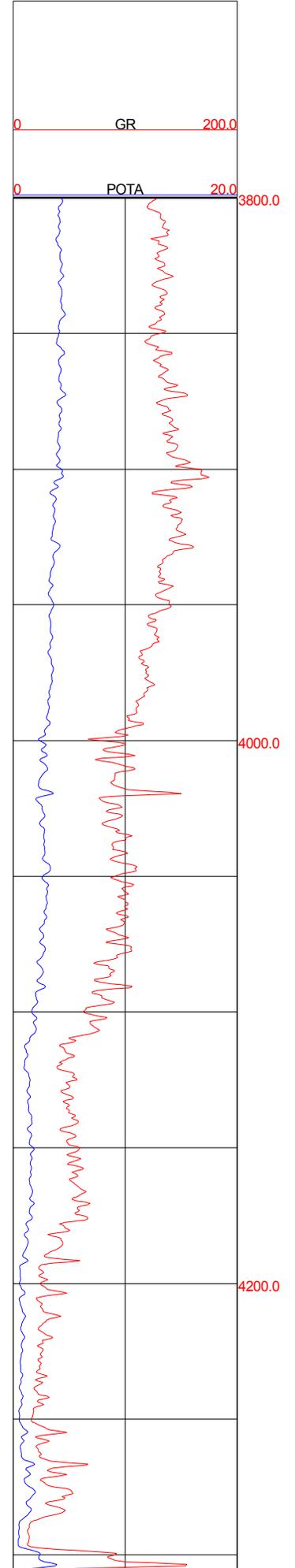
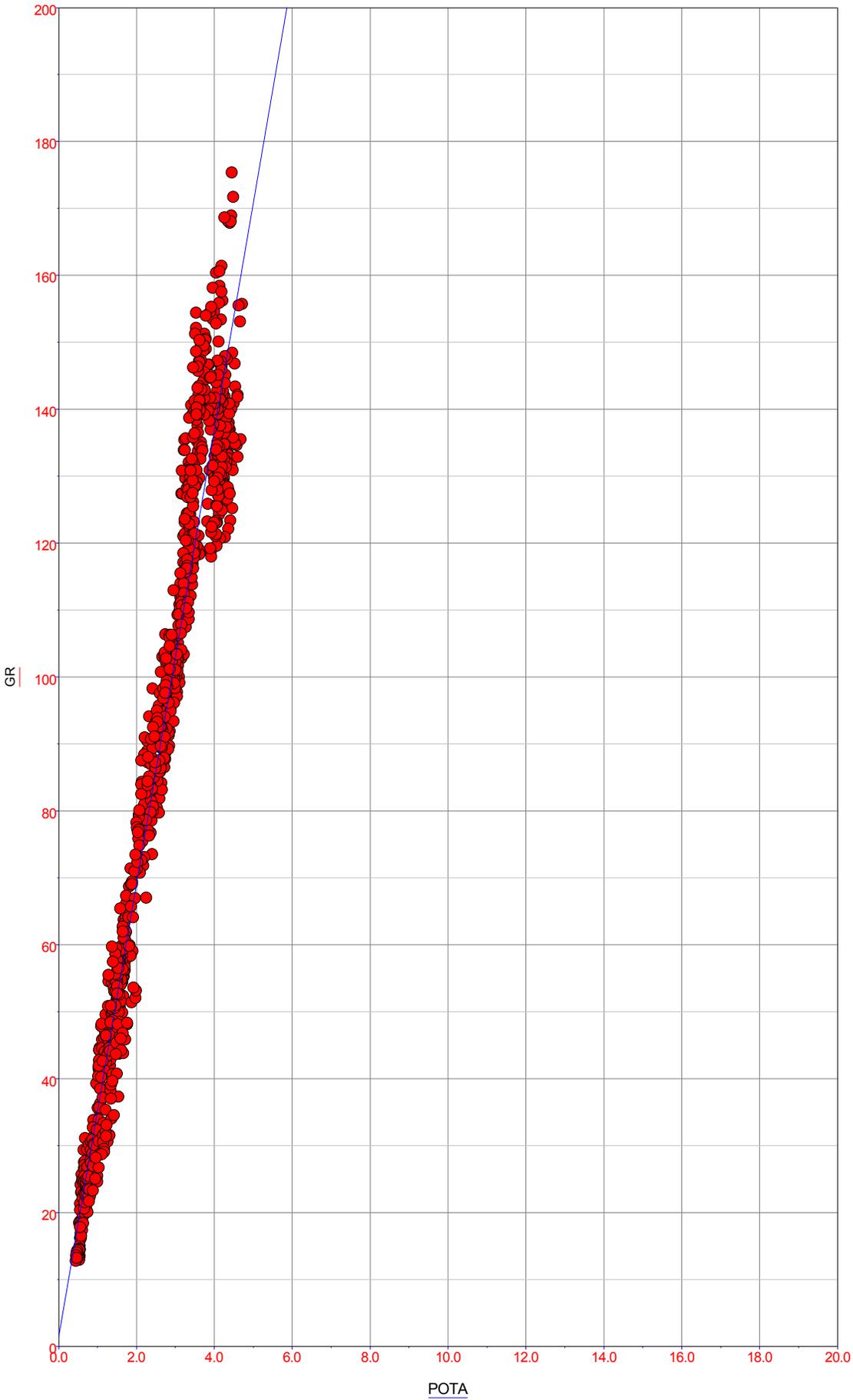
DEVON ENERGY PRODUCTION CO THE CHUMNEY FAMILY TRUST 1P#1P RHOB v TOC

Active Well Regression Analysis Equations:
 $y = 2.663747 - 0.032305x$ $r = -0.629245$



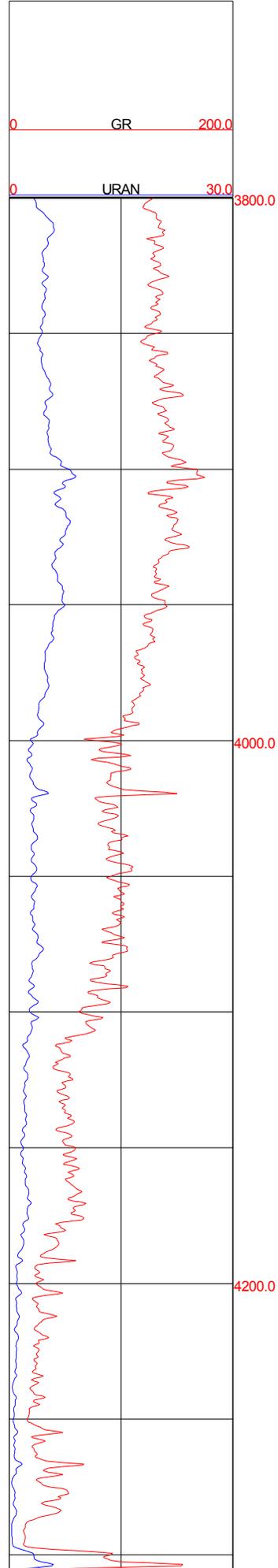
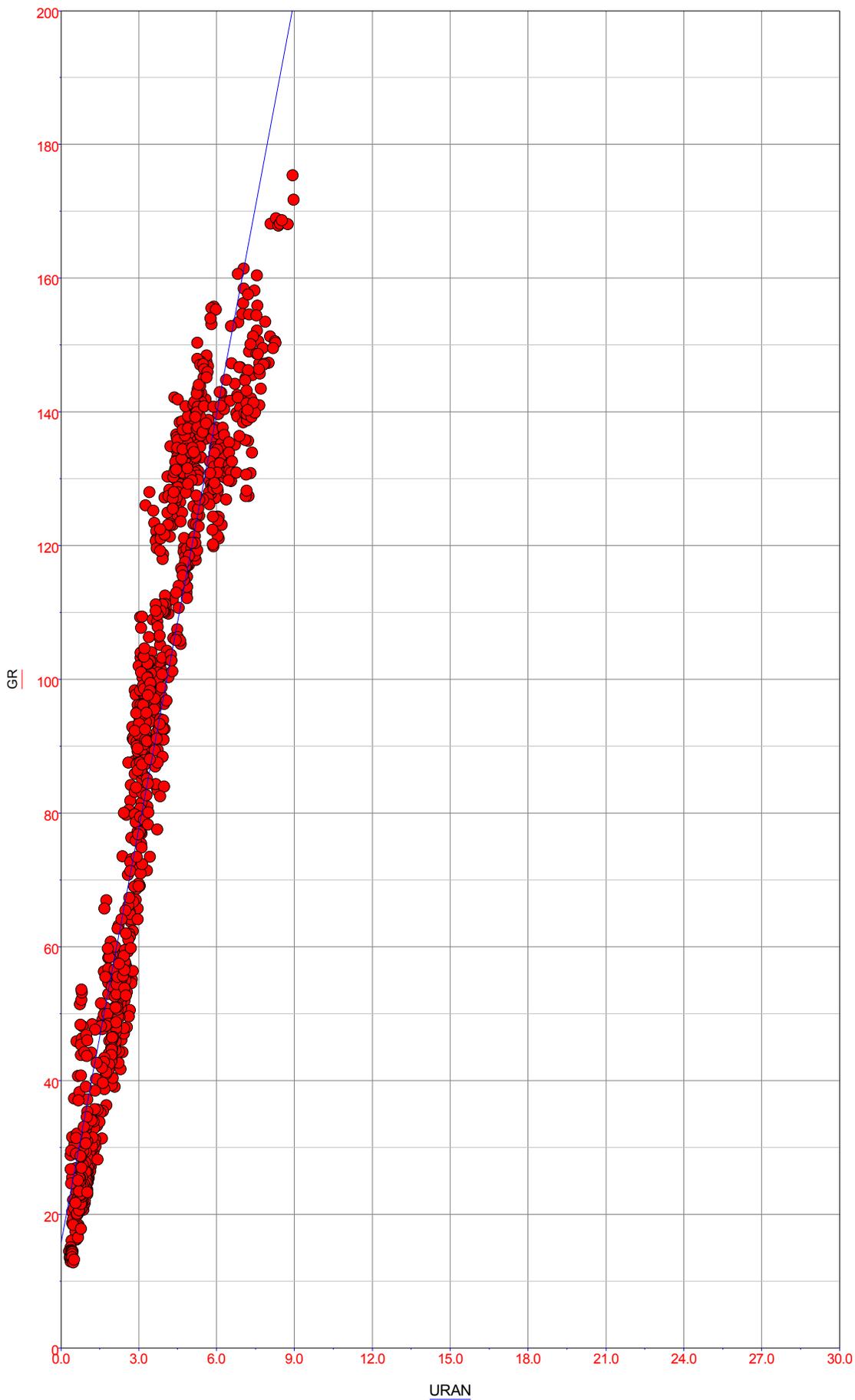
DEVON ENERGY RICHMAN FARMS 1H GR v POTA

Active Well Regression Analysis Equations:
 $y = 1.500546 + 33.901180x$ $r = 0.976643$



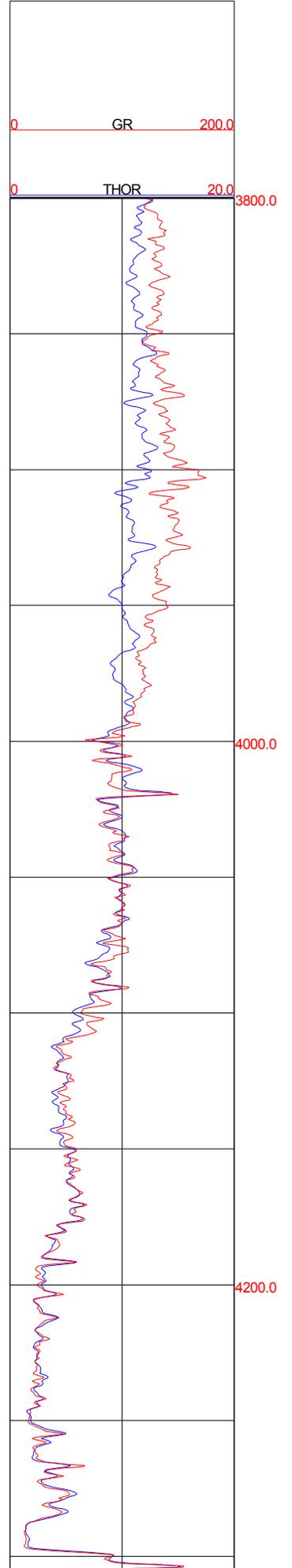
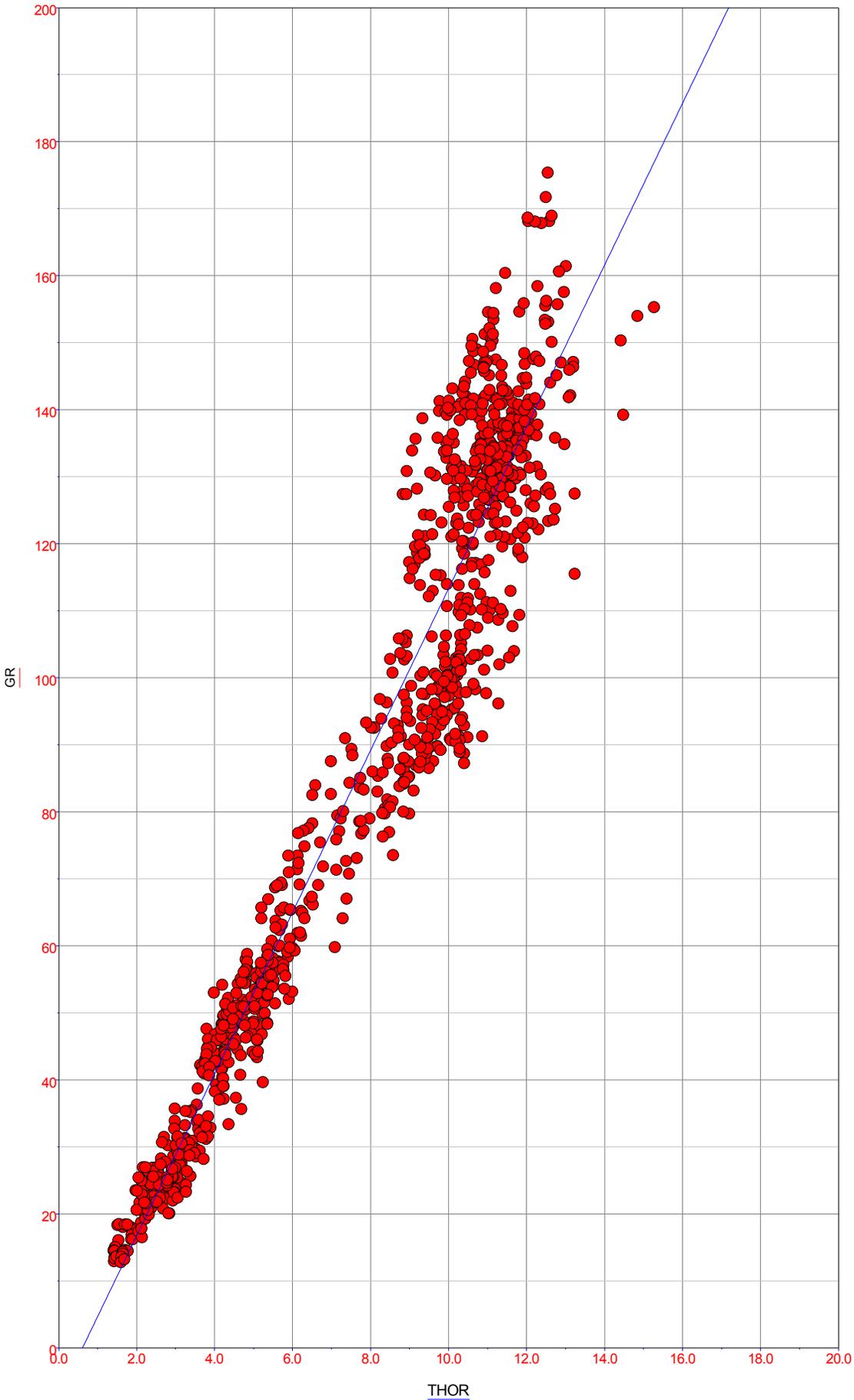
DEVON ENERGY RICHMAN FARMS 1H GR v URAN

Active Well Regression Analysis Equations:
 $y = 15.729206 + 20.693995x$ $r = 0.946326$



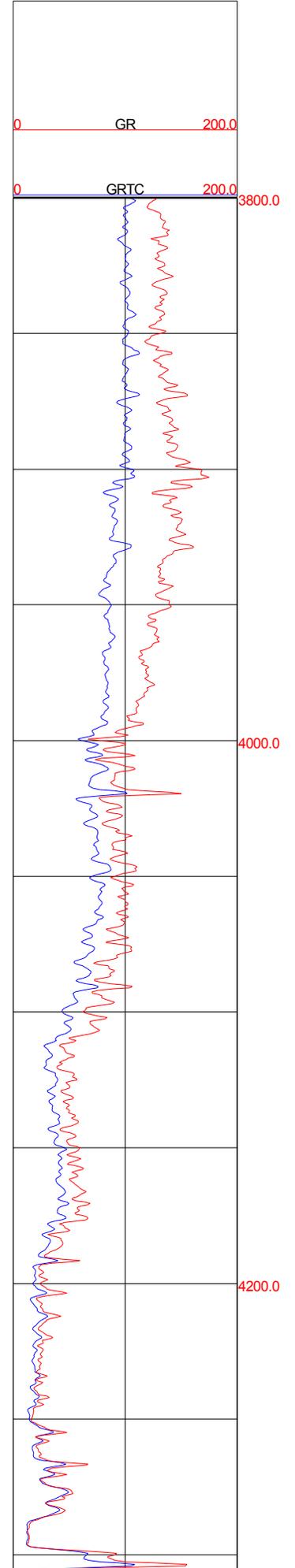
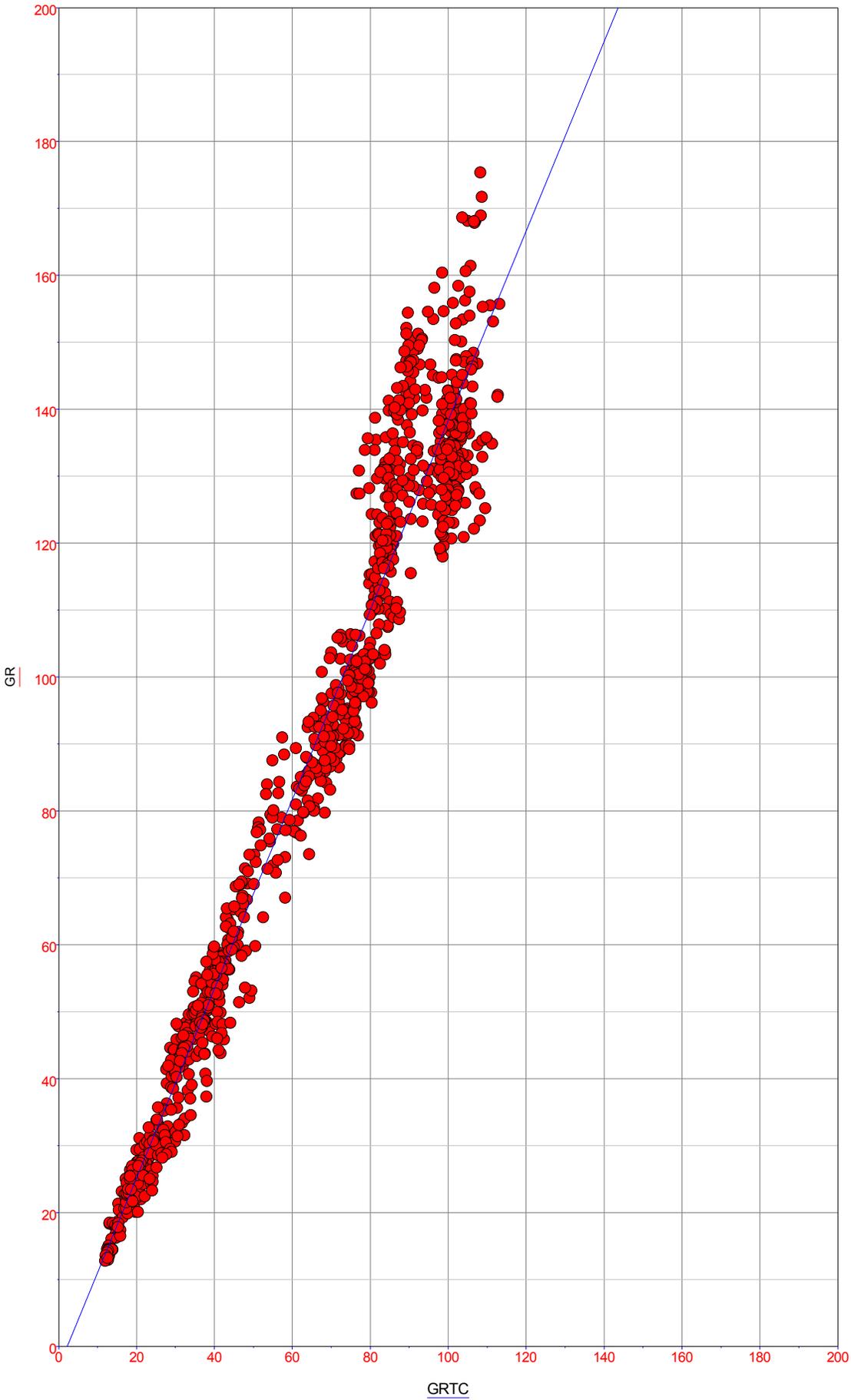
DEVON ENERGY RICHMAN FARMS 1H GR v THOR

Active Well Regression Analysis Equations:
 $y = -7.341575 + 12.071806x$ $r = 0.963959$



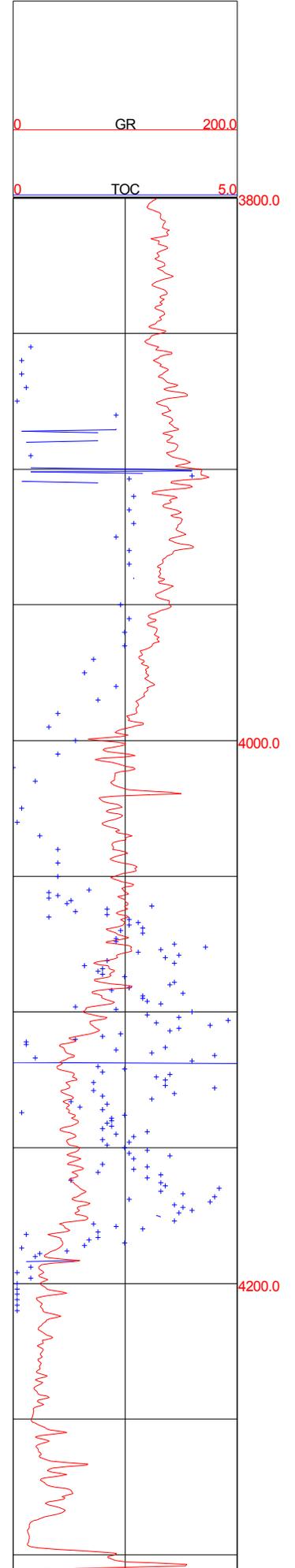
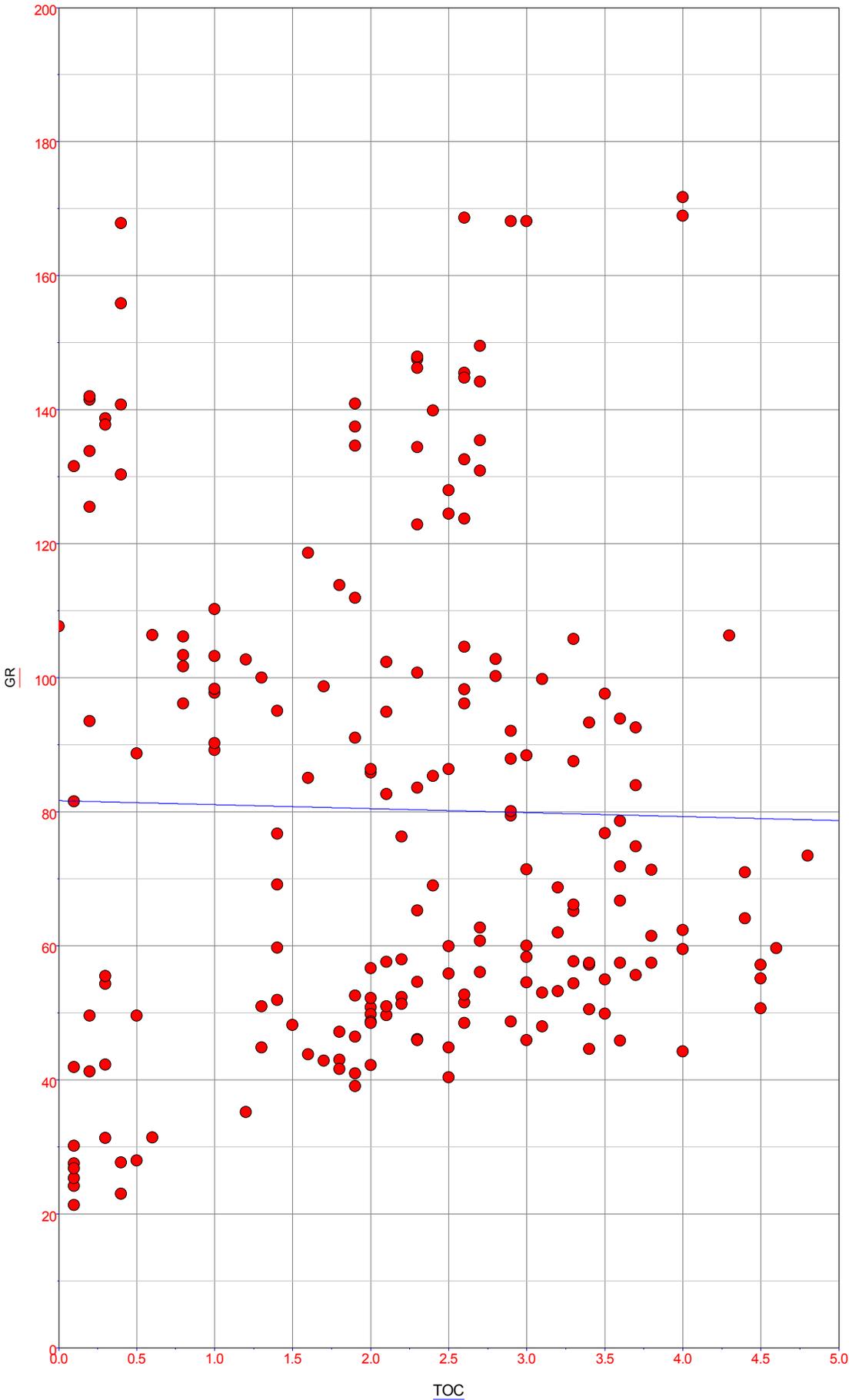
DEVON ENERGY RICHMAN FARMS 1H GR v KTh

Active Well Regression Analysis Equations:
 $y = -3.077454 + 1.414850x$ $r = 0.979667$



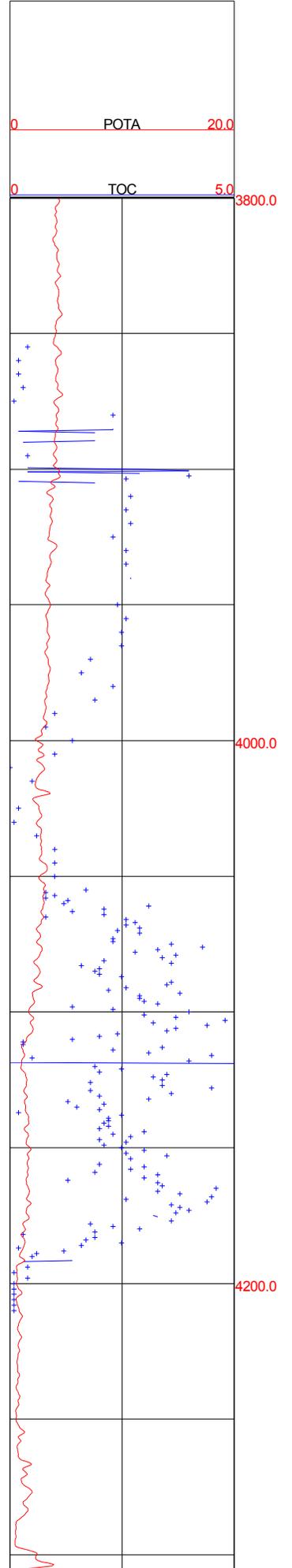
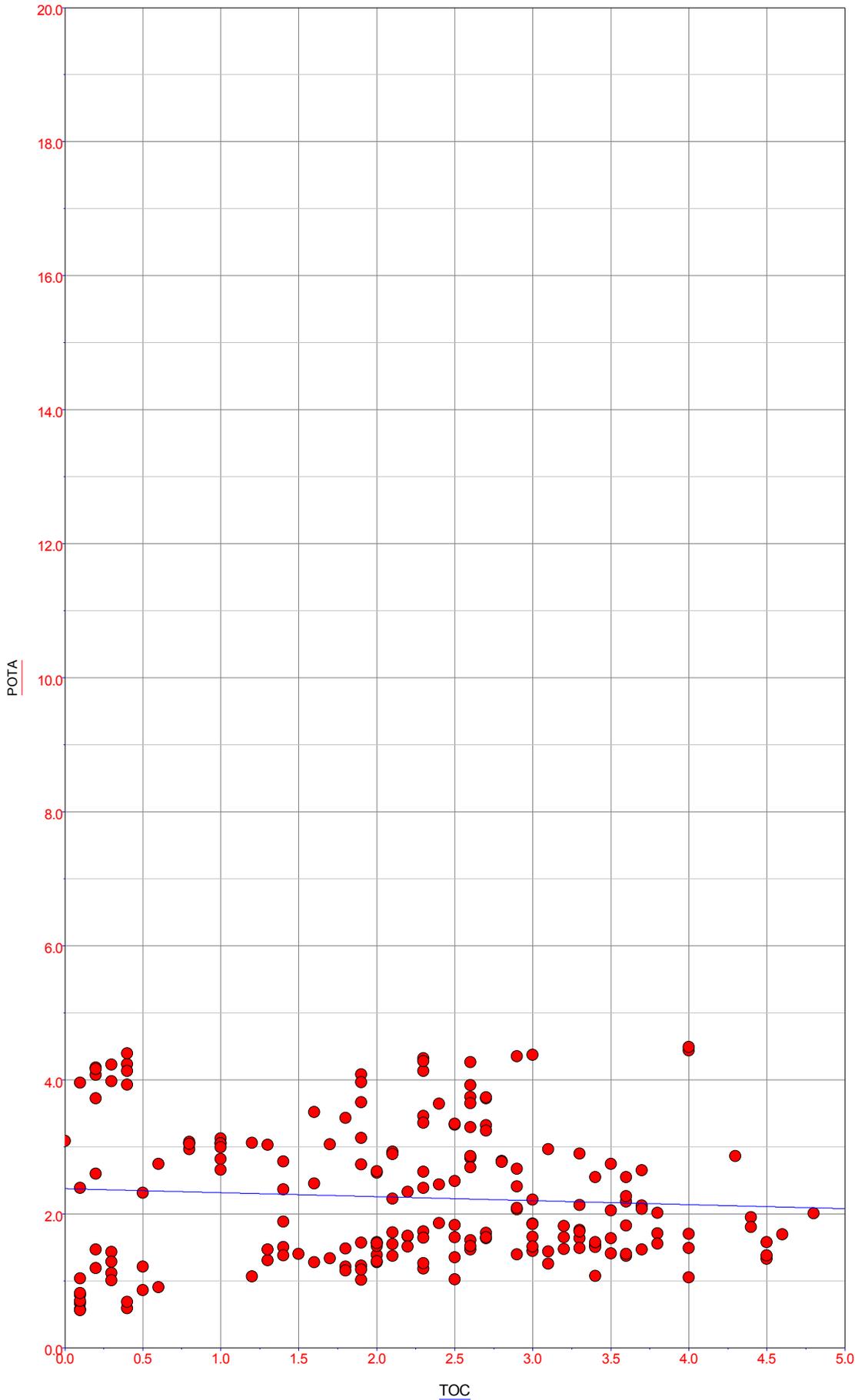
DEVON ENERGY RICHMAN FARMS 1H GR v TOC

Active Well Regression Analysis Equations:
 $y = 81.648552 - 0.592816x$ $r = -0.019411$



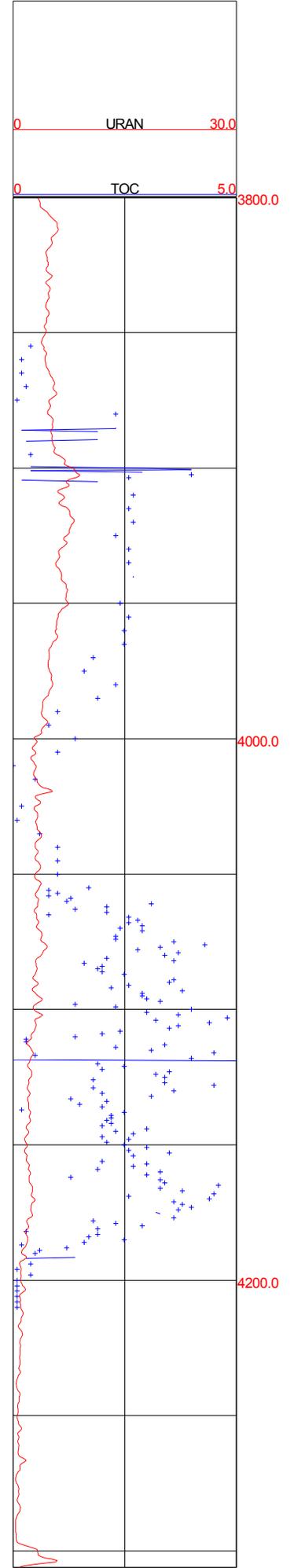
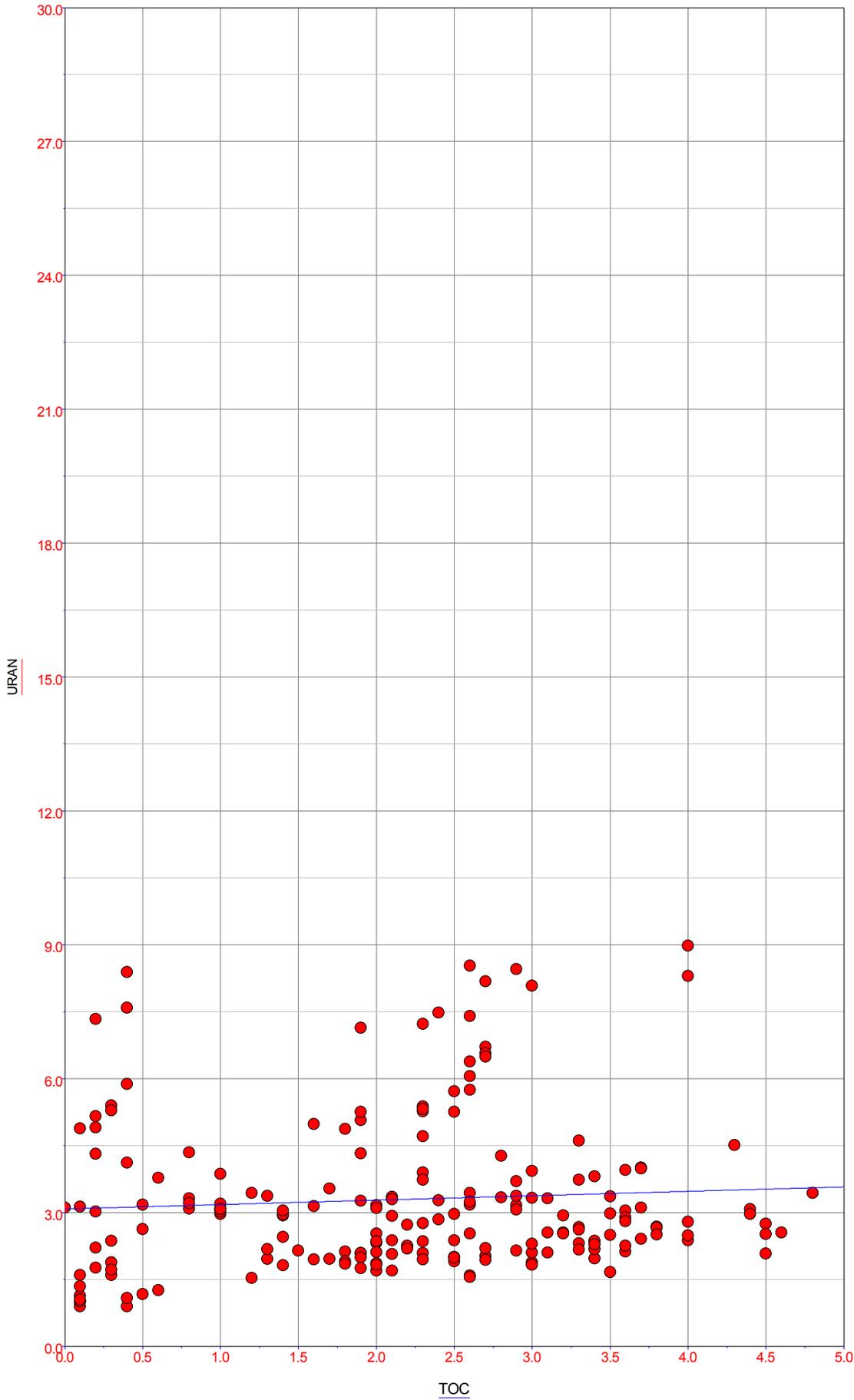
DEVON ENERGY RICHMAN FARMS 1H POTA v TOC

Active Well Regression Analysis Equations:
 $y = 2.374244 - 0.059582x$ $r = -0.070482$



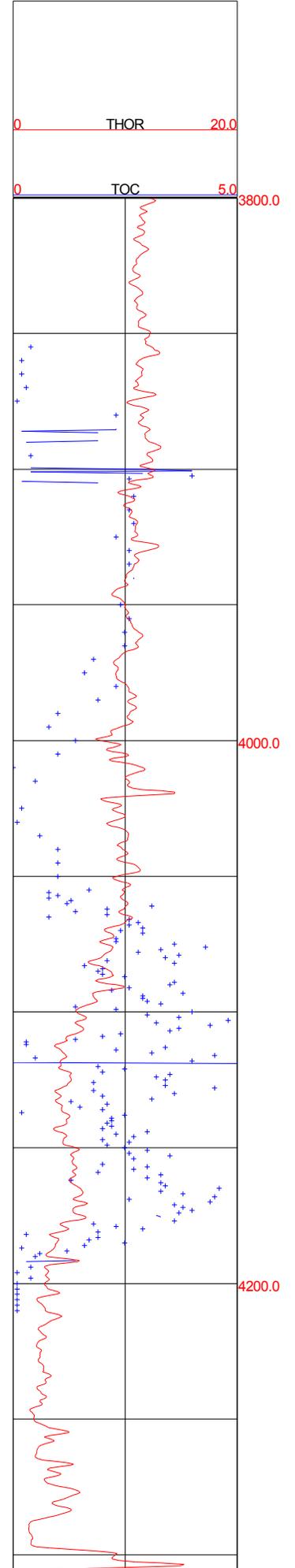
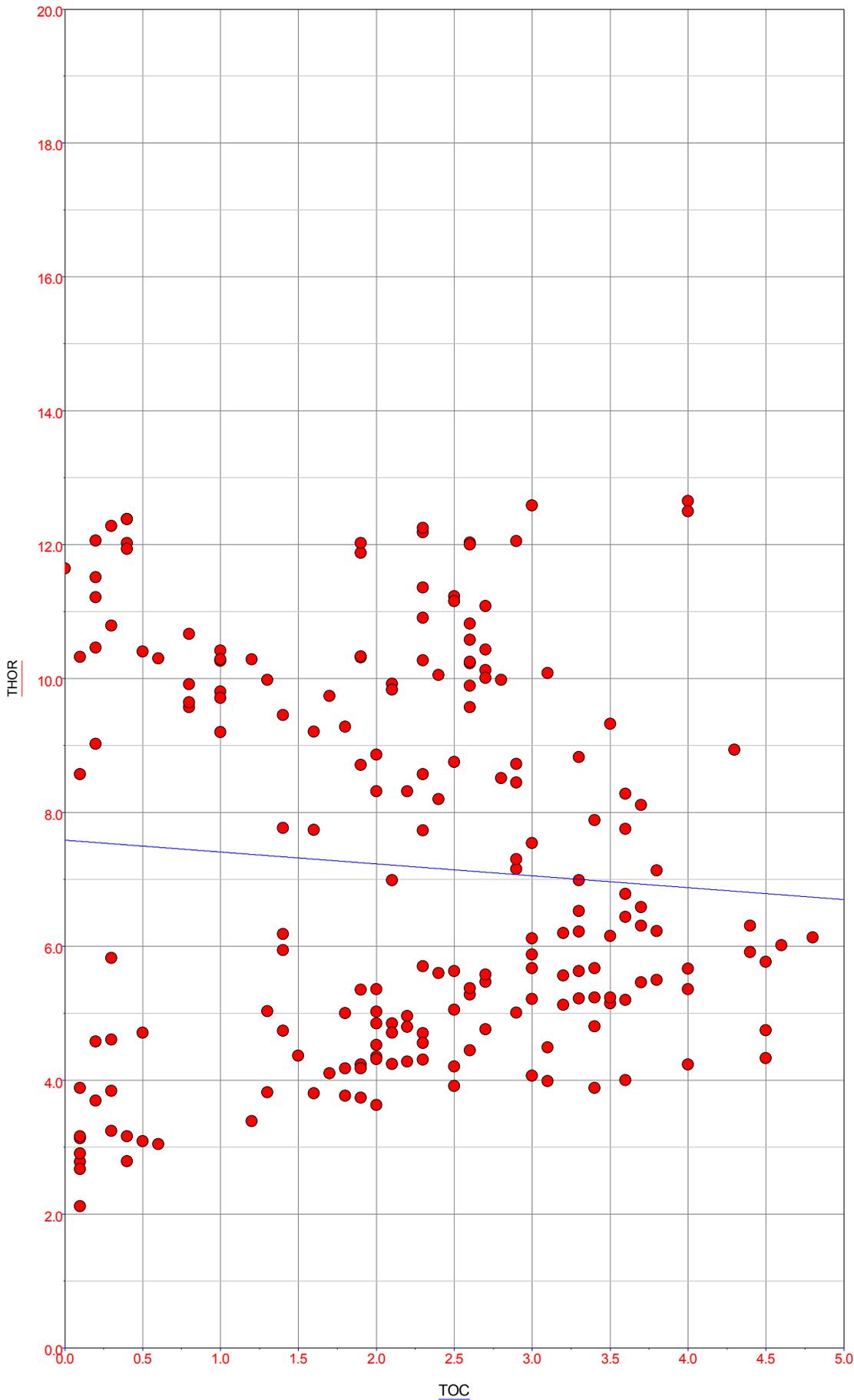
DEVON ENERGY RICHMAN FARMS 1H URAN v TOC

Active Well Regression Analysis Equations:
 $y = 3.076890 + 0.098985x$ $r = 0.069184$



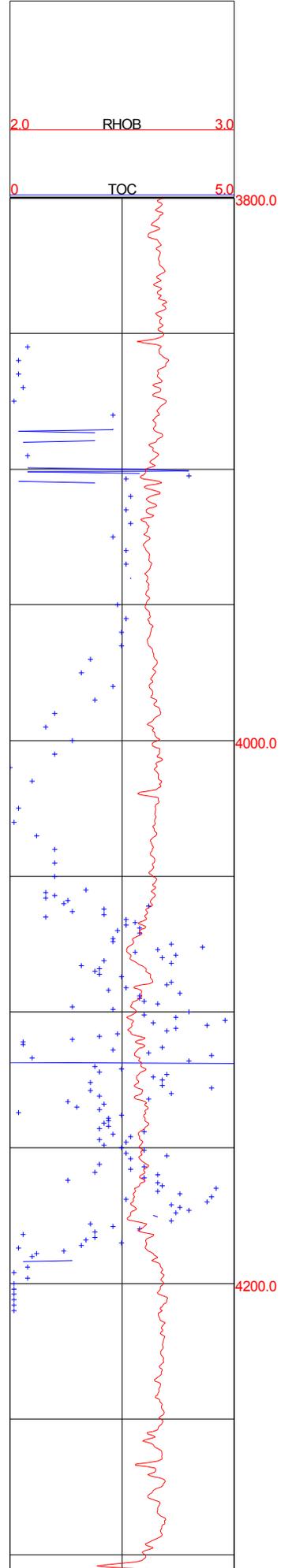
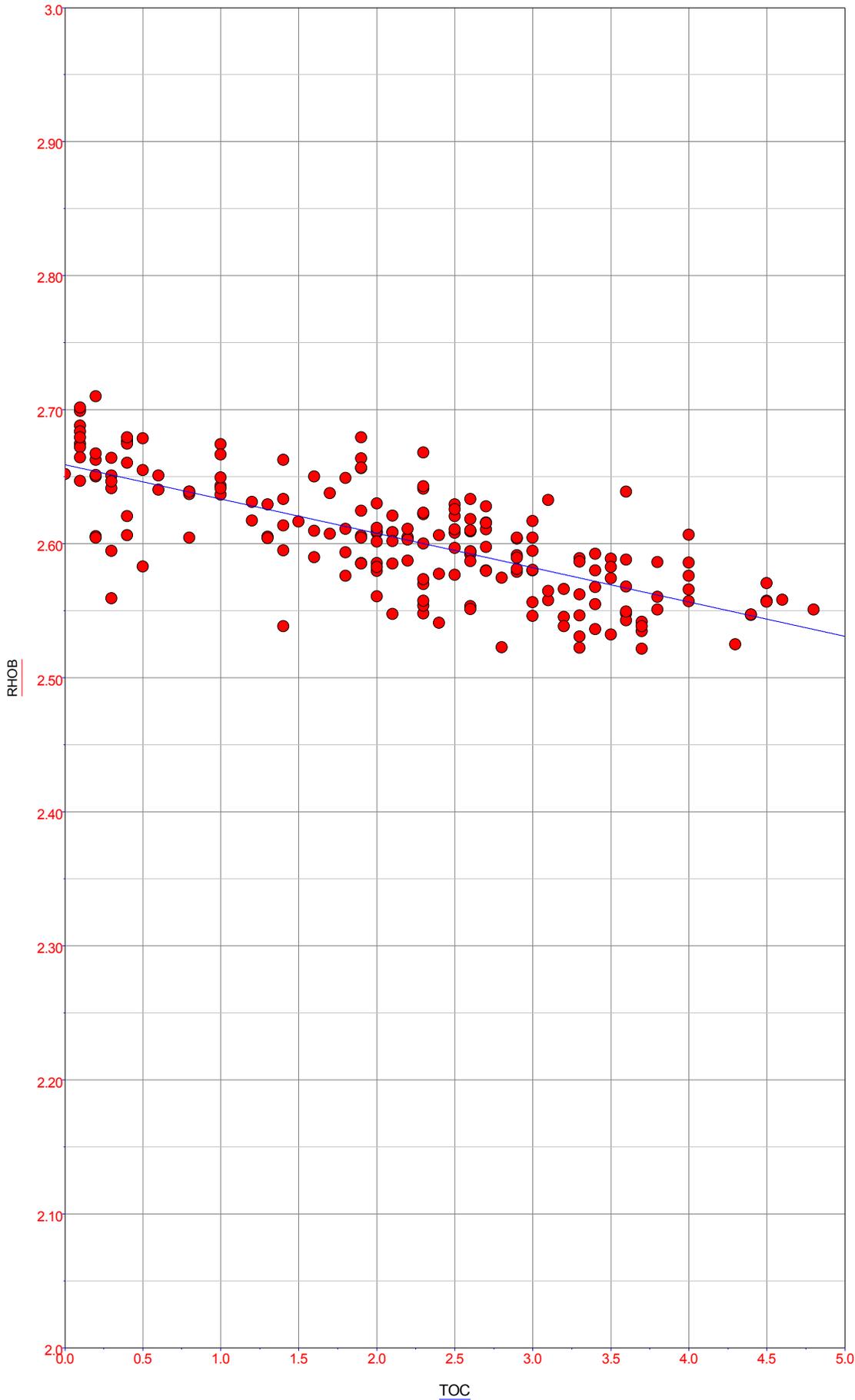
DEVON ENERGY RICHMAN FARMS 1H THOR v TOC

Active Well Regression Analysis Equations:
 $y = 7.584254 - 0.177433x$ $r = -0.074592$



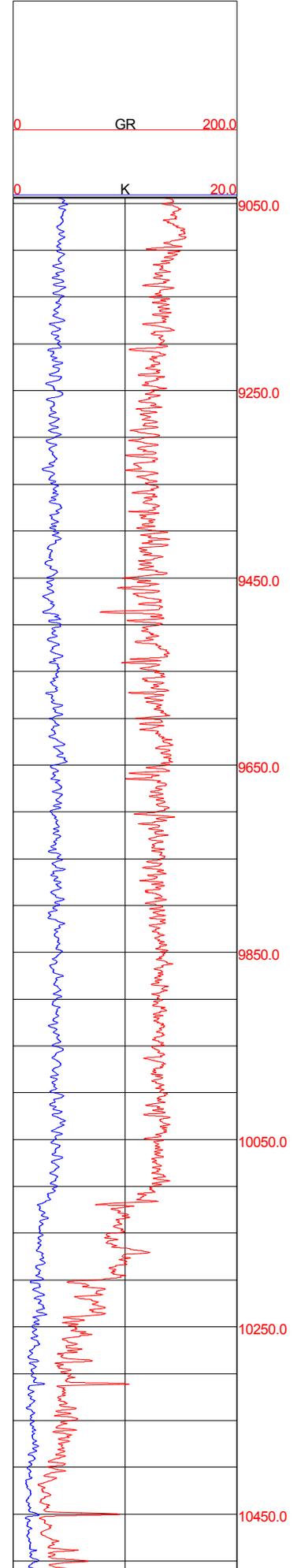
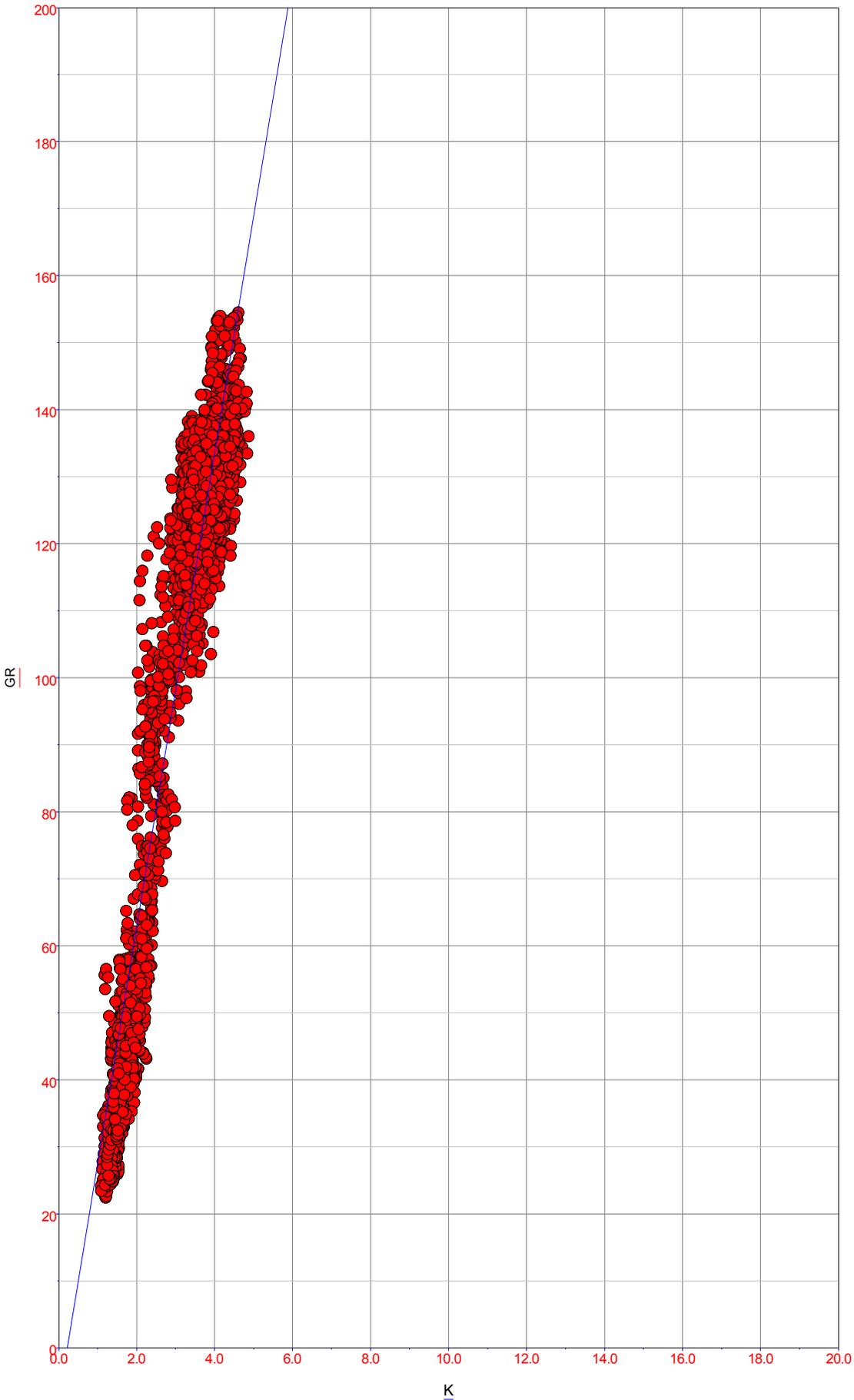
DEVON ENERGY RICHMAN FARMS 1H RHOB v TOC

Active Well Regression Analysis Equations:
 $y = 2.658930 - 0.025612x$ $r = -0.734624$



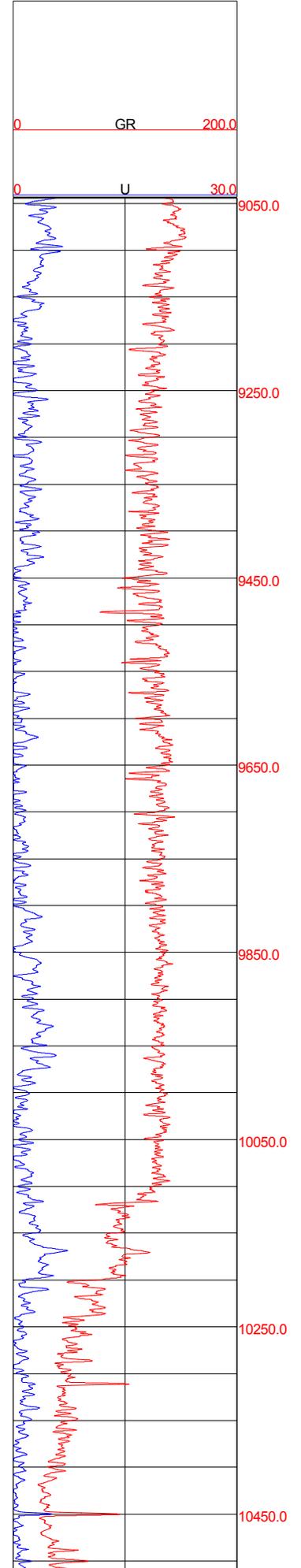
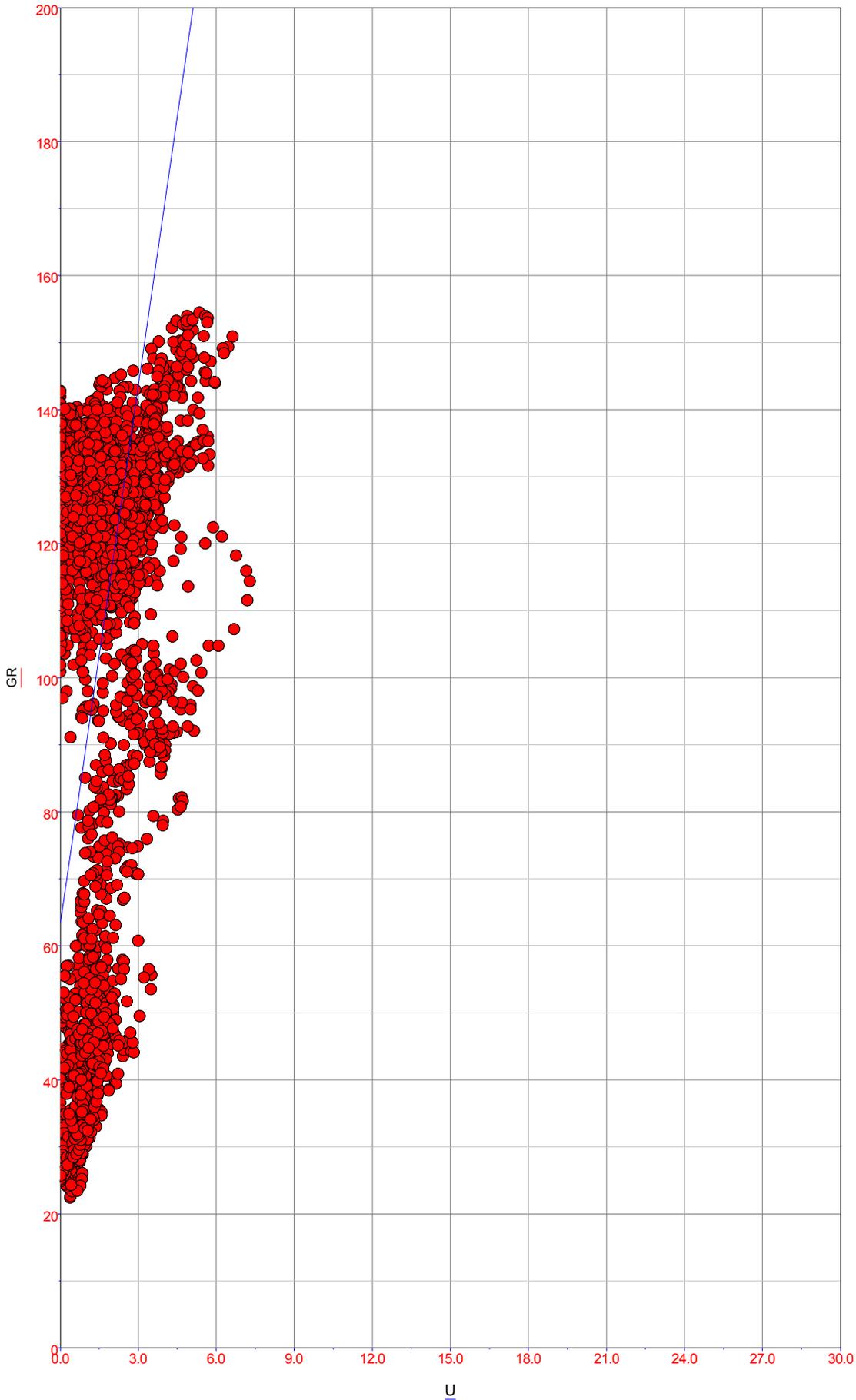
HILL DAVID R INC
GEORGETOWN MARINE (SWIW #1)#1)
GR v POTA

Active Well Regression Analysis Equations:
 $y = -7.664912 + 35.345760x$ $r = 0.944489$



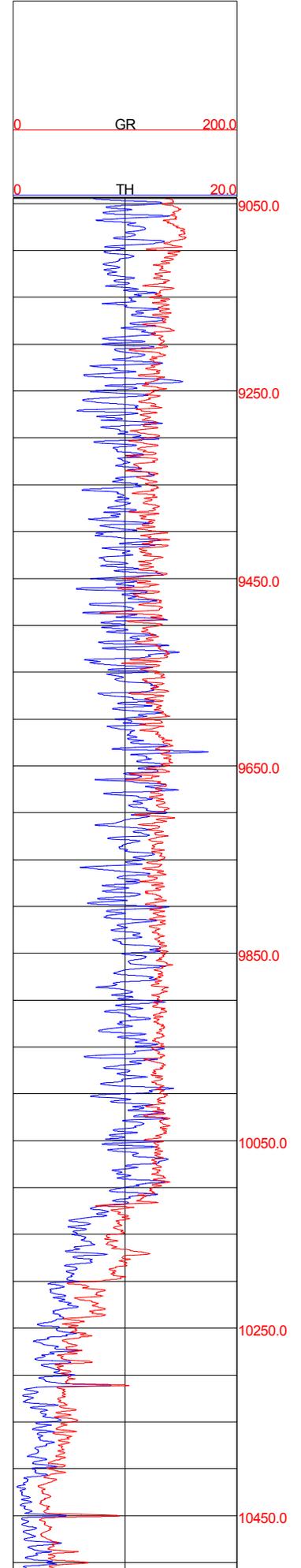
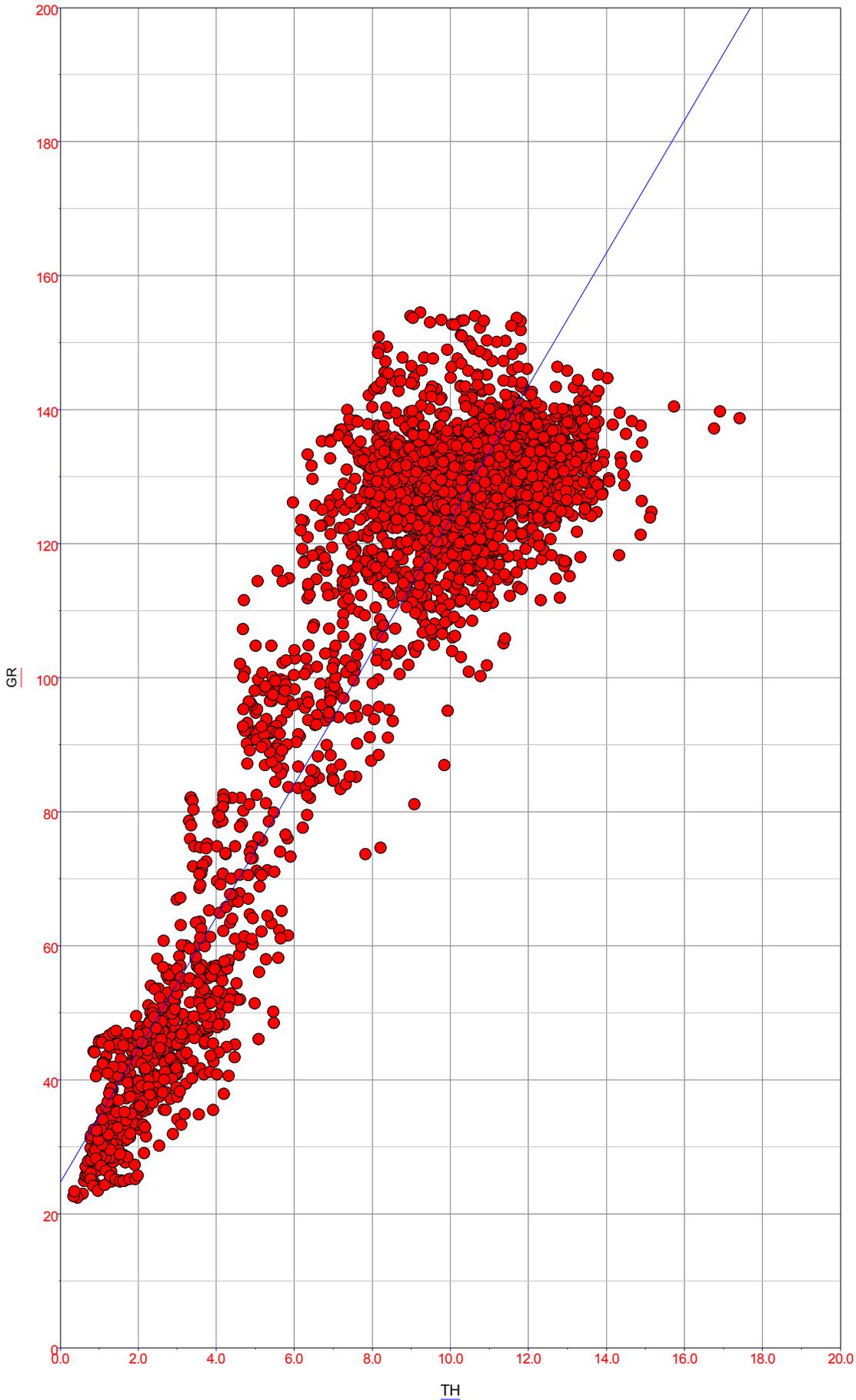
HILL DAVID R INC
GEORGETOWN MARINE (SWIW #1)#1)
GR v URAN

Active Well Regression Analysis Equations:
 $y = 63.455536 + 26.786699x$ $r = 0.248986$



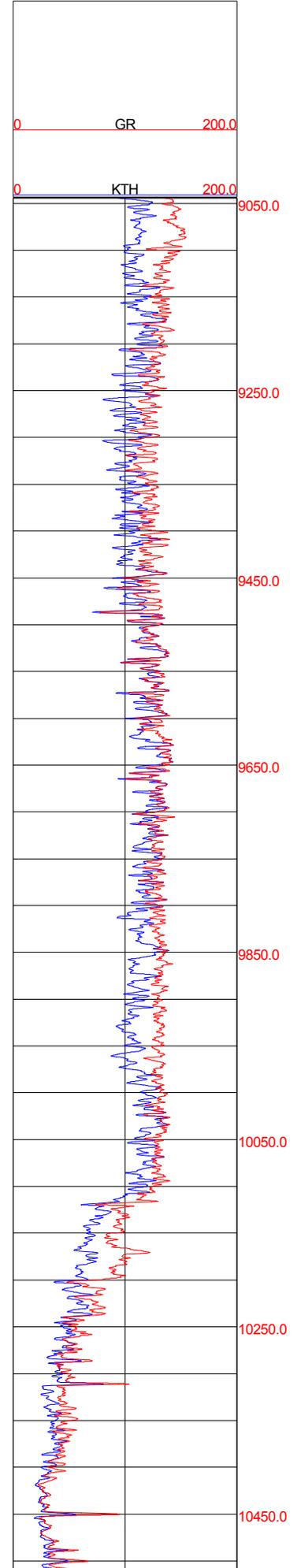
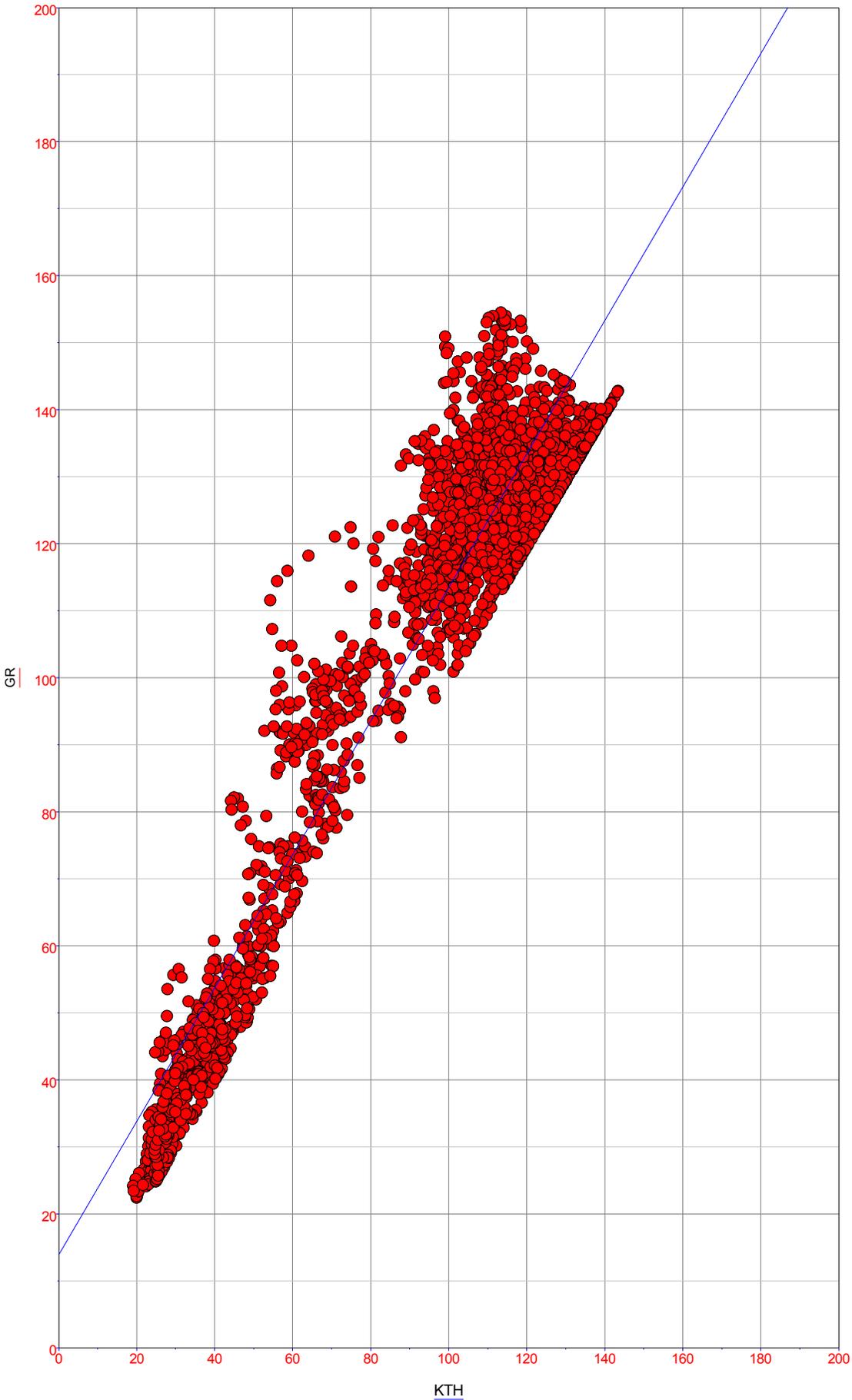
HILL DAVID R INC
GEORGETOWN MARINE (SWIW #1)#1)
GR v THOR

Active Well Regression Analysis Equations:
 $y = 24.717522 + 9.909202x$ $r = 0.908028$



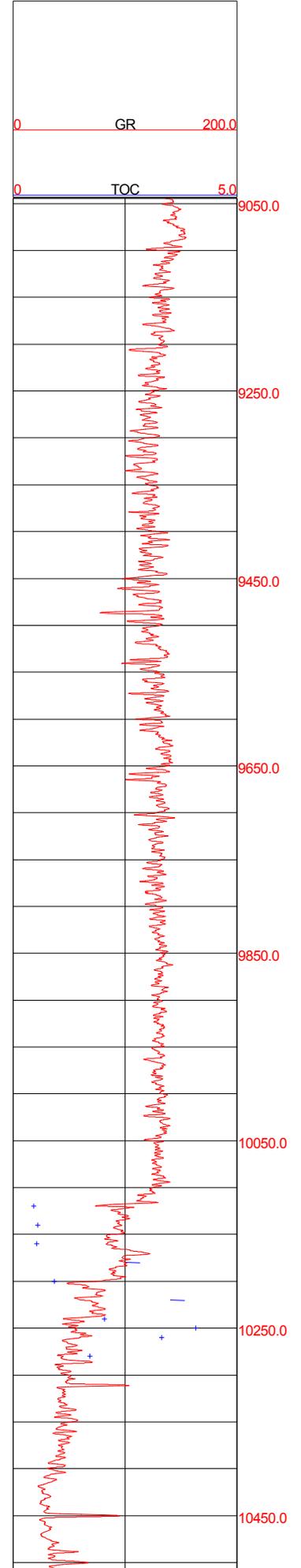
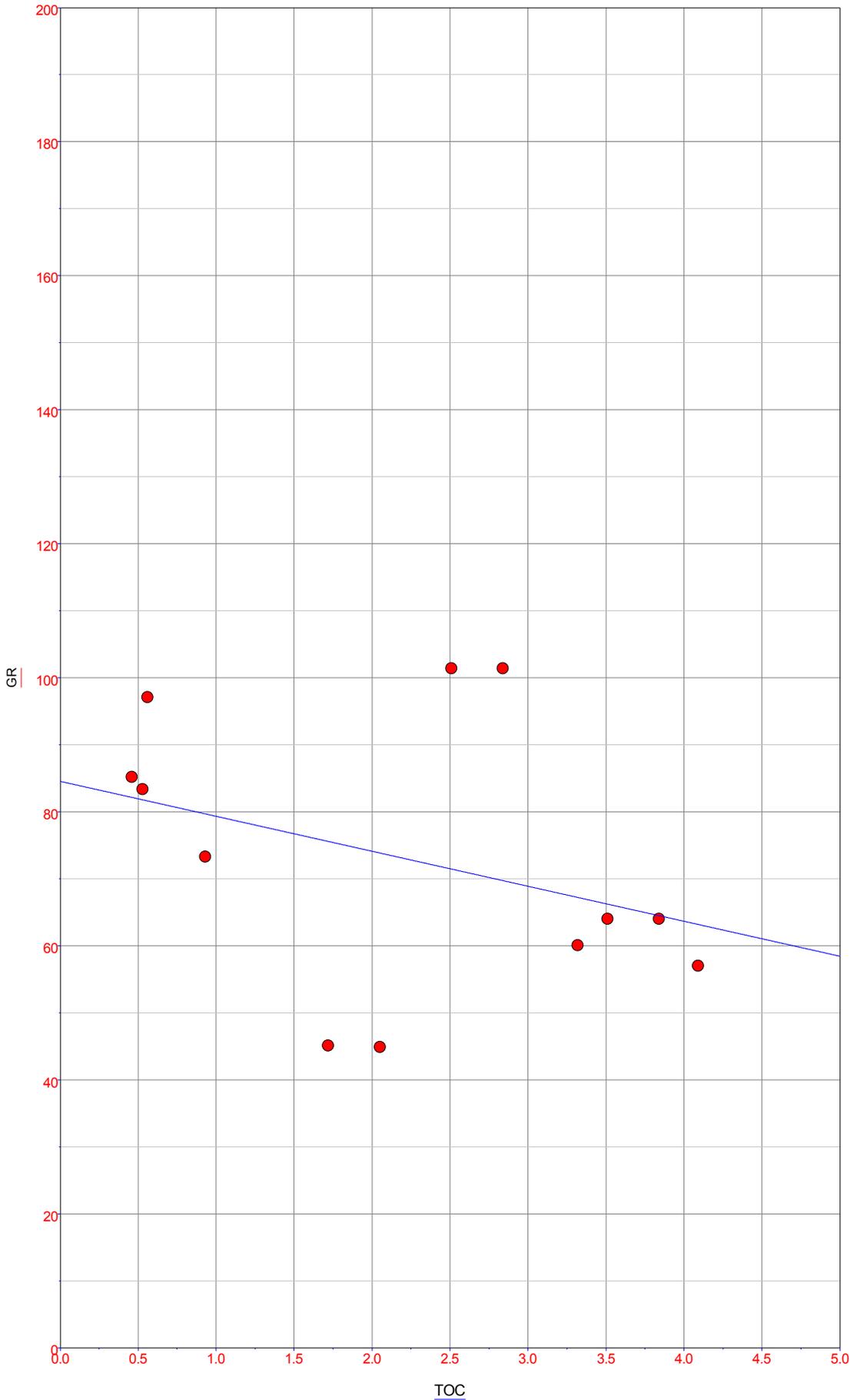
HILL DAVID R INC
GEORGETOWN MARINE (SWIW #1)#1
GR v KTh

Active Well Regression Analysis Equations:
 $y = 13.908768 + 0.996152x$ $r = 0.954074$



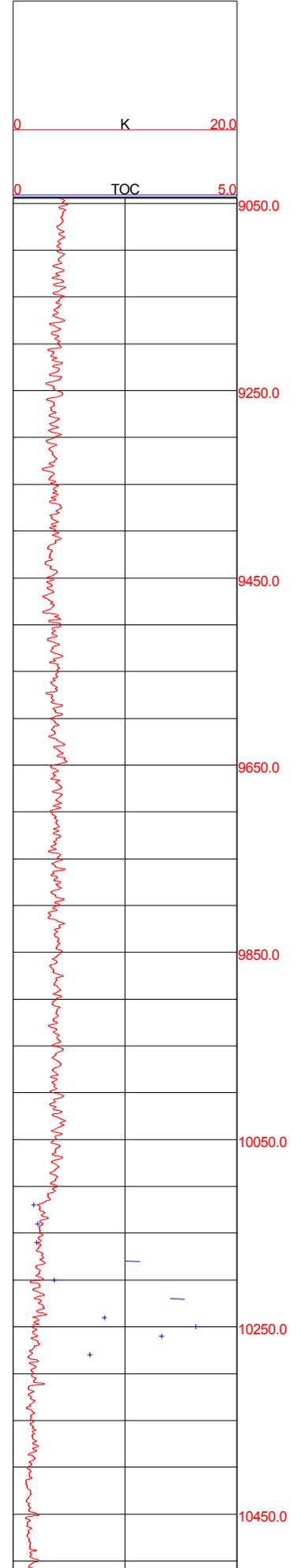
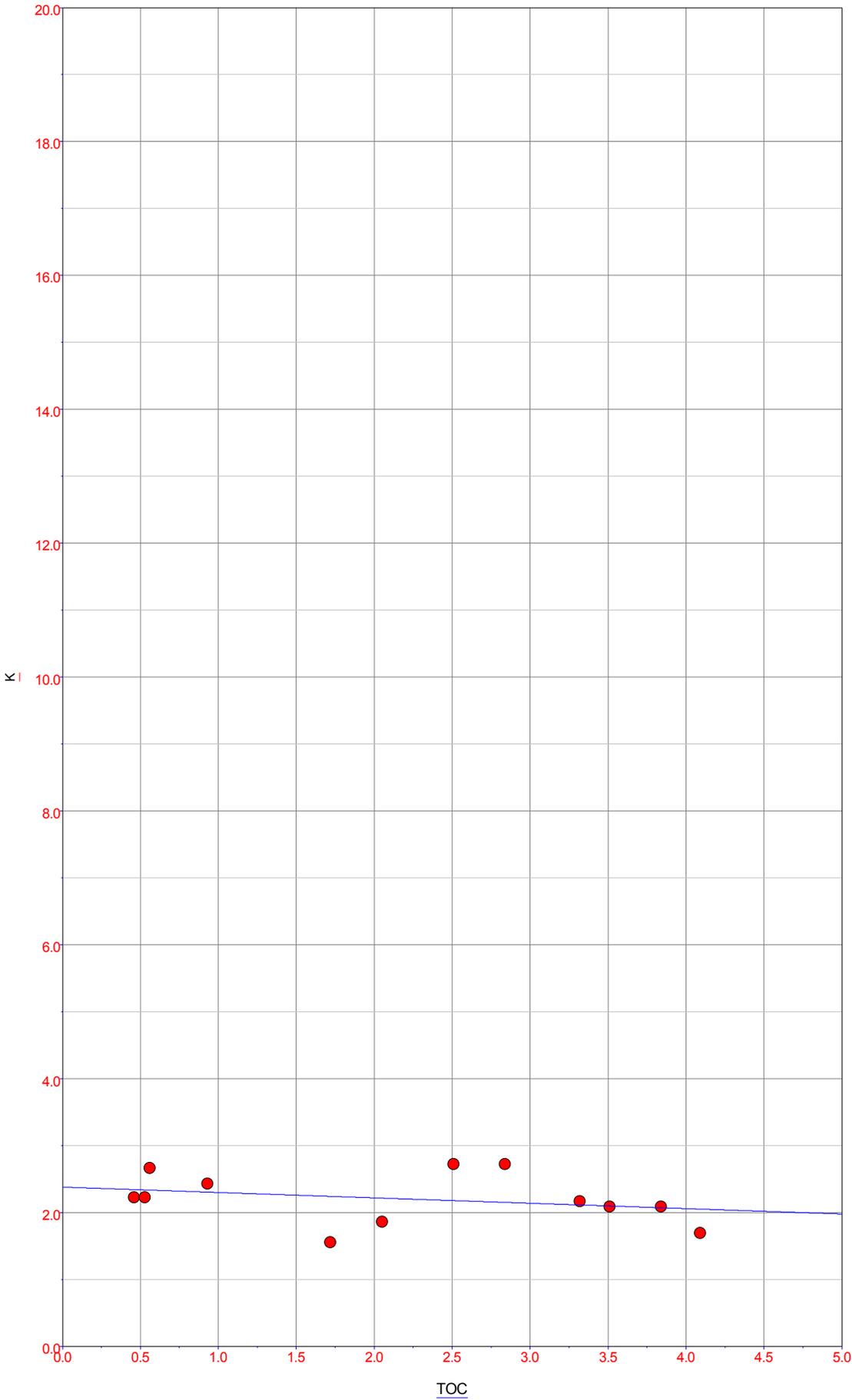
HILL DAVID R INC
GEORGETOWN MARINE (SWIW #1)#1)
GR v TOC

Active Well Regression Analysis Equations:
 $y = 84.532249 - 5.221206x$ $r = -0.345158$



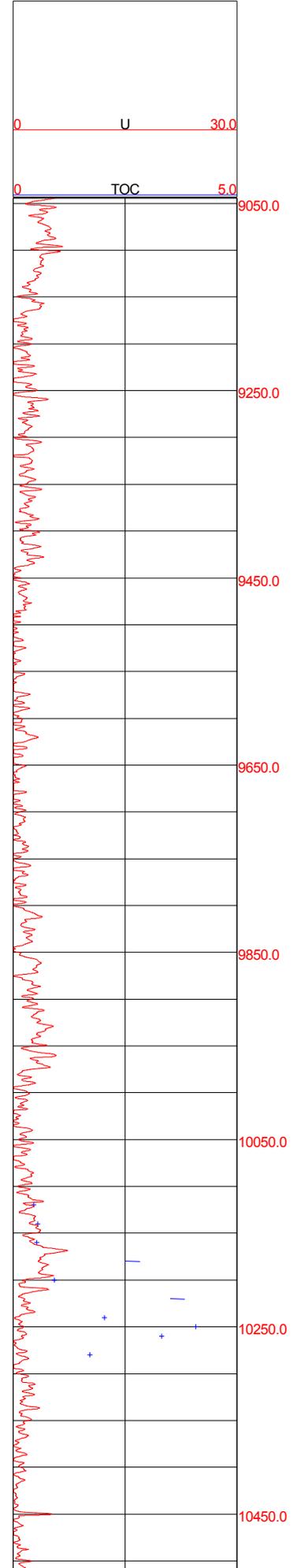
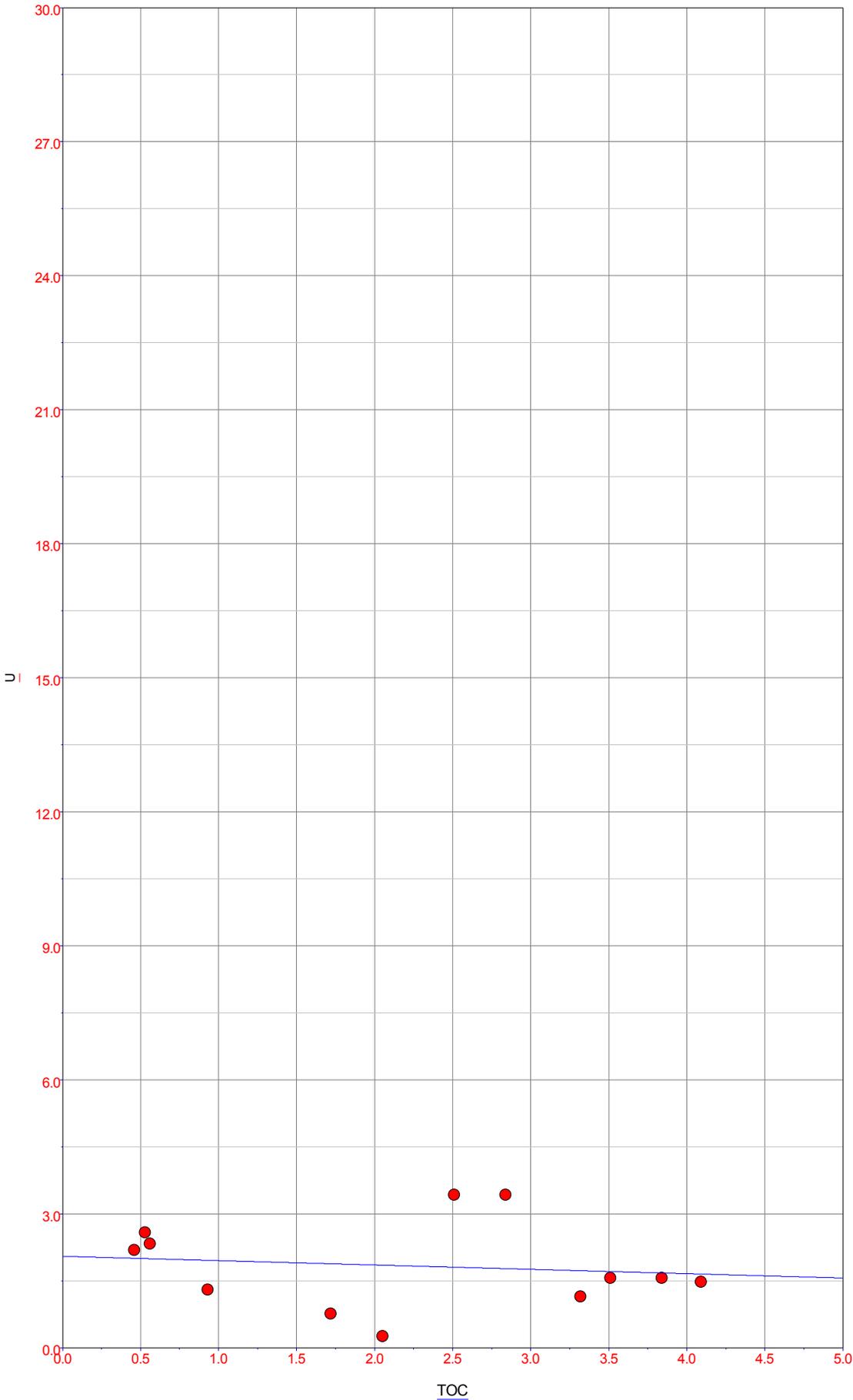
HILL DAVID R INC GEORGETOWN MARINE (SWIW #1)#1 POTA v TOC

Active Well Regression Analysis Equations:
 $y = 2.377989 - 0.080306x$ $r = -0.282280$



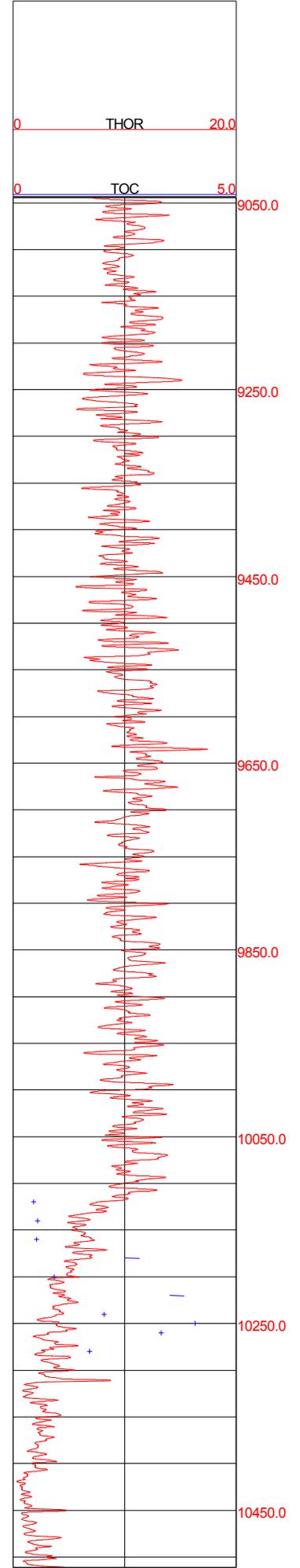
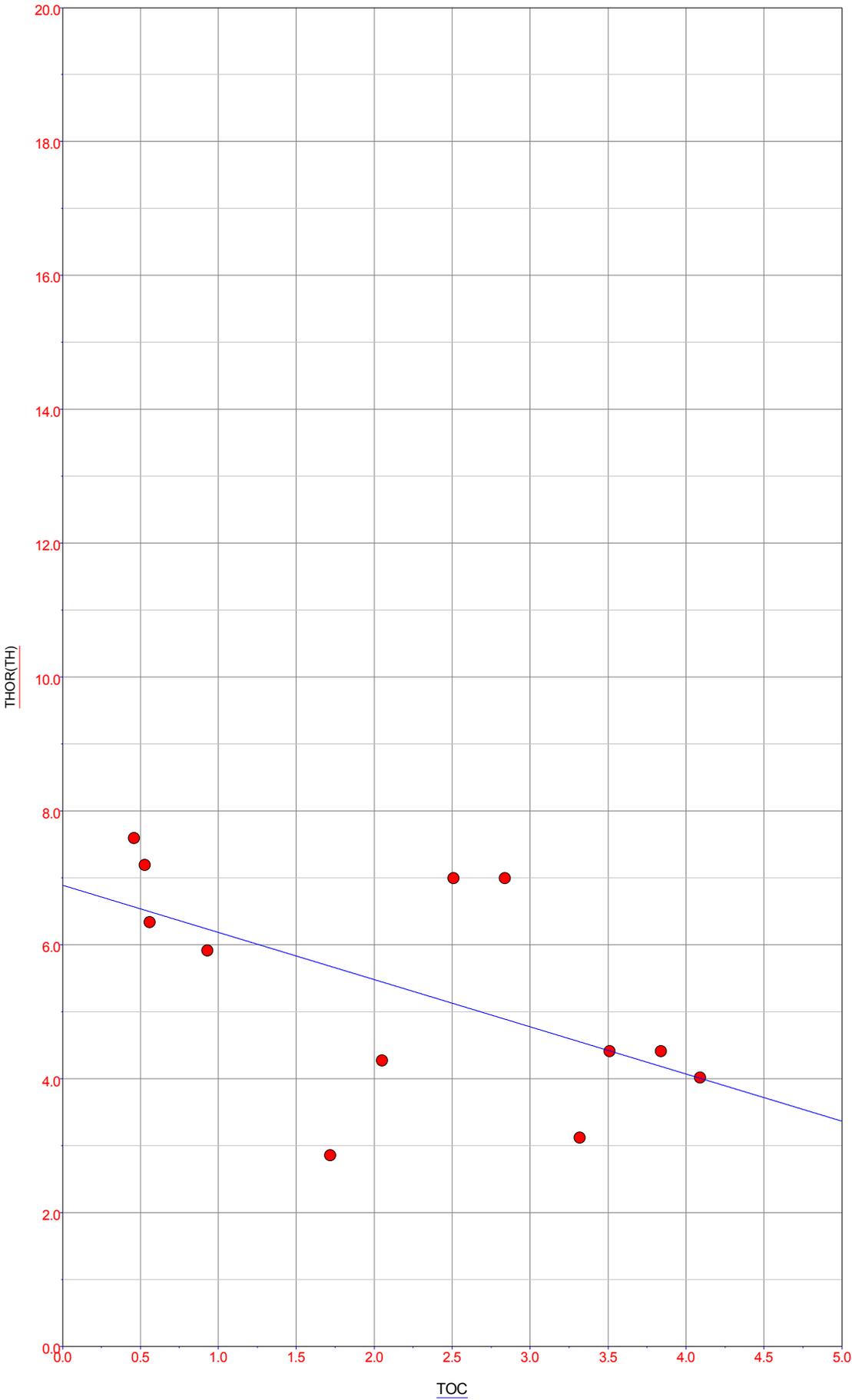
HILL DAVID R INC GEORGETOWN MARINE (SWIW #1)#1) URAN v TOC

Active Well Regression Analysis Equations:
 $y = 2.046741 - 0.097227x$ $r = -0.133557$



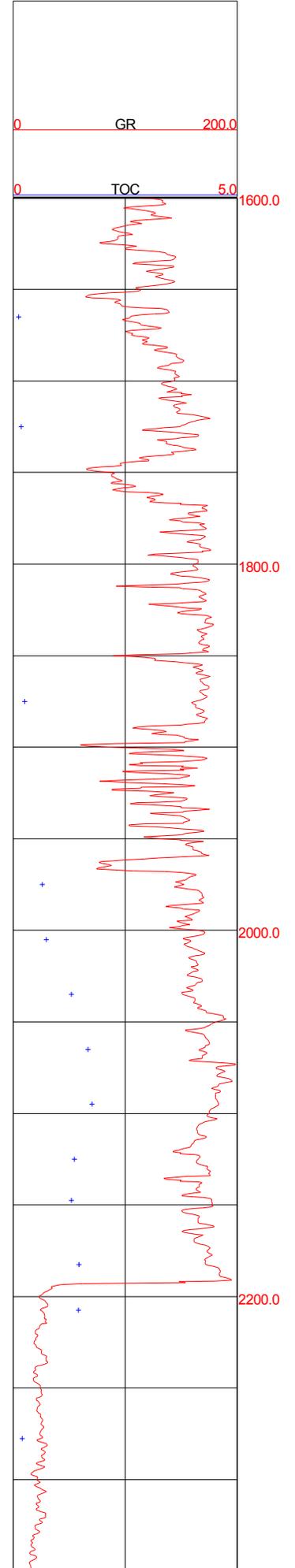
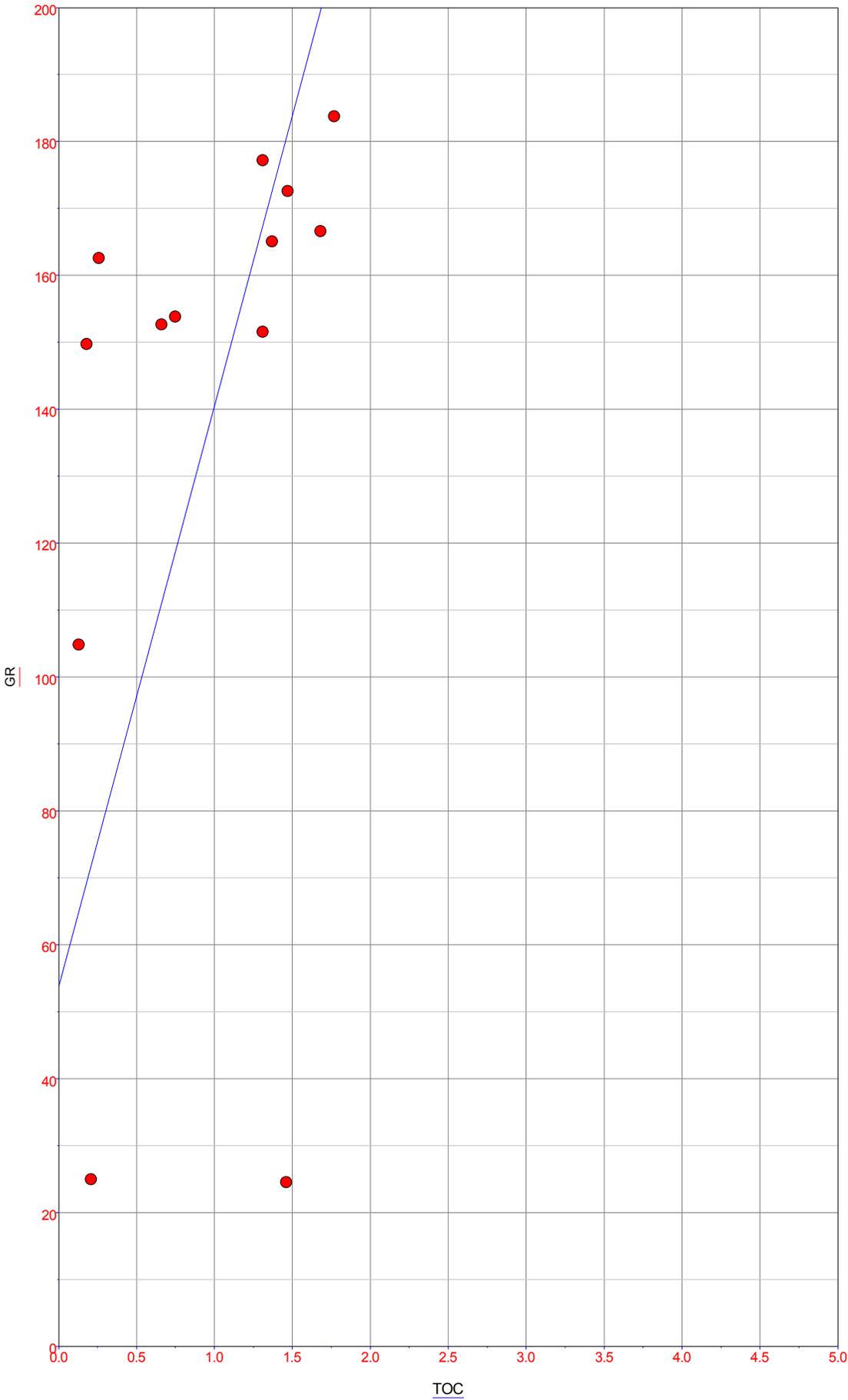
HILL DAVID RINC GEORGETOWN MARINE (SWIW #1)#1 THOR v TOC

Active Well Regression Analysis Equations:
 $y = 6.887782 - 0.705174x$ $r = -0.567711$



TOTAL PETROLEUM INC MULL EDITH#1-9 GR v TOC

Active Well Regression Analysis Equations:
 $y = 53.792999 + 86.821579x$ $r = 0.317775$



TOTAL PETROLEUM INC MULL EDITH#1-9 RHOB v TOC

Active Well Regression Analysis Equations:
 $y = 2.756712 - 0.081127x$ $r = -0.432639$

