



Source Rock Analyses

Leco TOC, Rock-Eval-2 and Maturity Testing

Osage 106-R

December 8, 2014

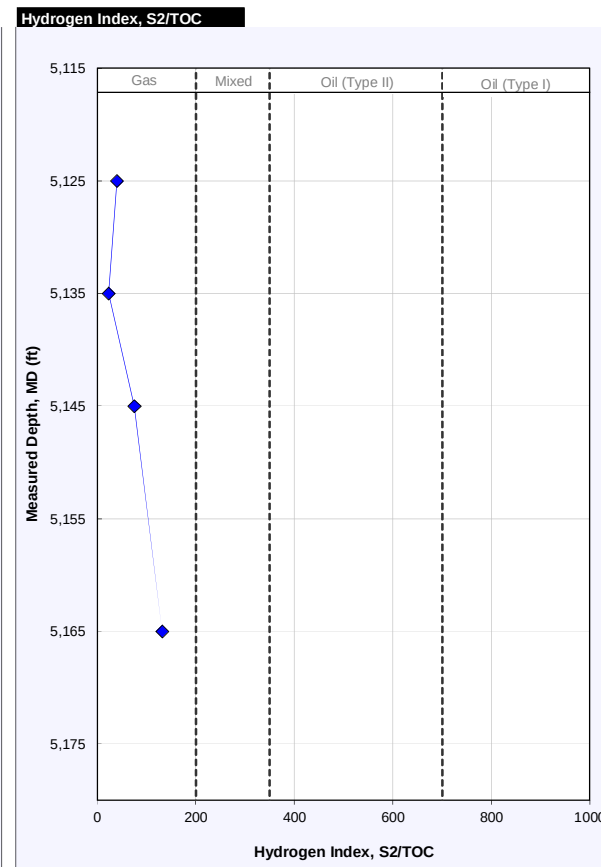
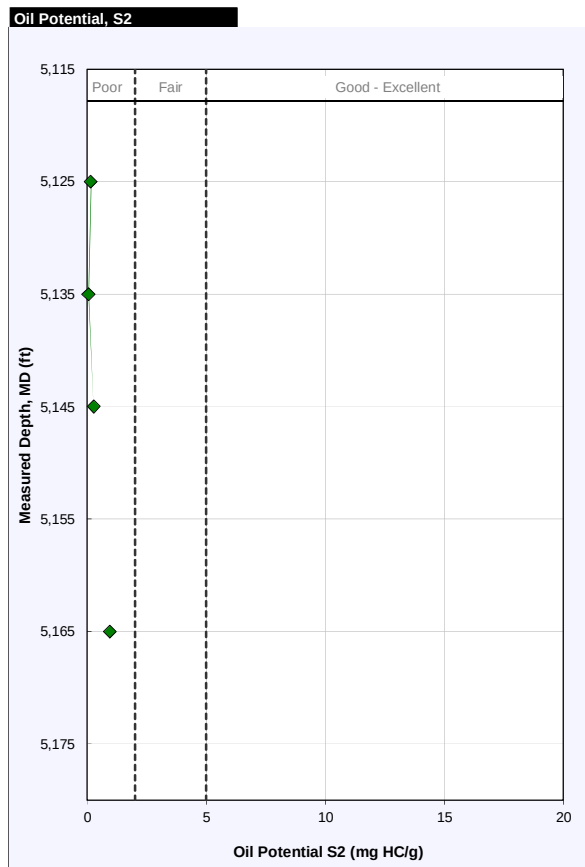
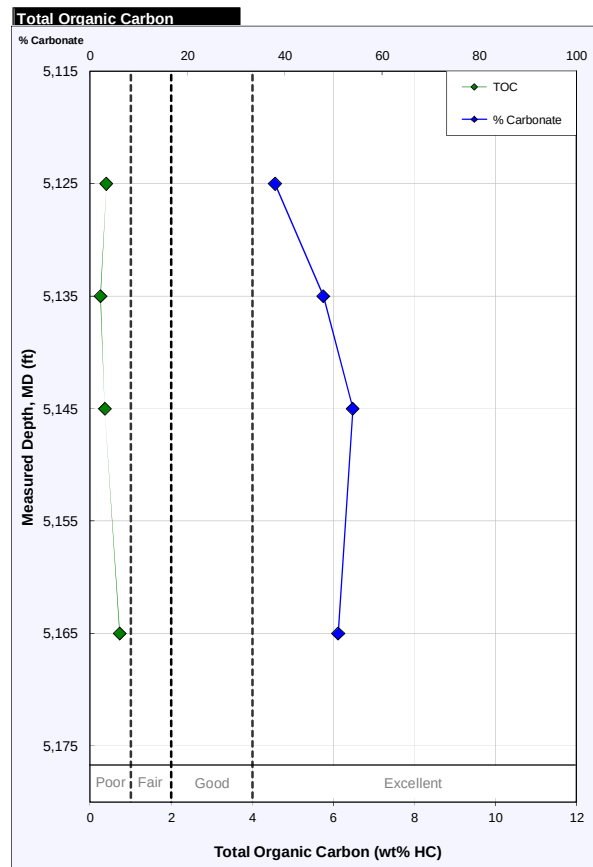


Osage 106-R,

Sample ID										Source Rock Analyses													
Project / Sample ID	Rock ID	Well Name	County	State	Formation Name	Upper Depth (ft)	Lower Depth (ft)	Median Depth (ft)	Sample Type	Percent Carbonate (wt%)	Leco TOC (wt%)	Rock-Eval-2 S1 (mg HC/g)	Rock-Eval-2 S2 (mg HC/g)	Rock-Eval-2 S3 (mg CO2/g)	Rock-Eval-2 Tmax (°C)	Measured %Ro (Vitrinite Refl.)	Calculated %Ro (RE TMAX)	Hydrogen Index (S2x100/TOC)	Oxygen Index (S3x100/TOC)	S2/S3 Conc. (mg HC/mg CO2)	S1/TOC Norm. Oil Content	Production Index (S1/(S1+S2))	Experimental Notations
RPOR-141203-001	11	Osage 106-R				5,120.00	5,130.00	5,125.00		38.00	0.40	0.04	0.16	0.37	0		0.00	40	93	0	10	0.20	
RPOR-141203-002	12	Osage 106-R				5,130.00	5,140.00	5,135.00		48.00	0.26	0.04	0.06	0.23	0		0.00	23	88	0	15	0.40	
RPOR-141203-003	13	Osage 106-R					5,145.00	5,145.00		54.00	0.36	0.08	0.27	0.19	437		0.71	75	53	1	22	0.23	
RPOR-141203-004	14	Osage 106-R				5,160.00	5,170.00	5,165.00		51.00	0.73	0.15	0.96	0.24	438		0.72	132	33	4	21	0.14	

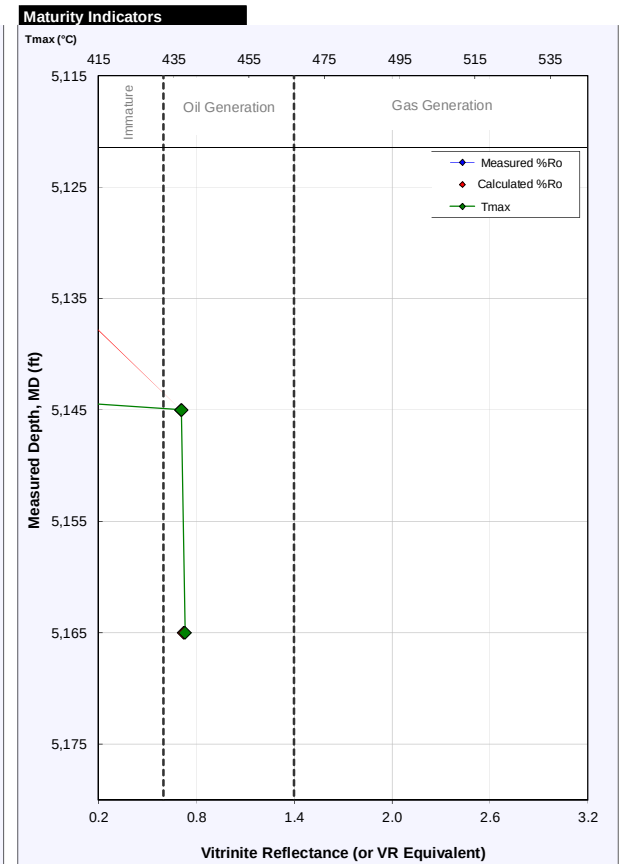
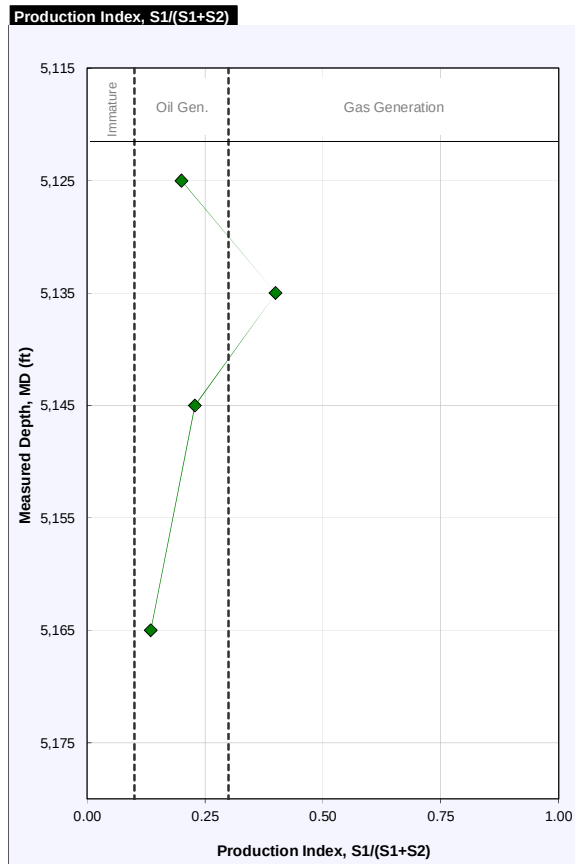
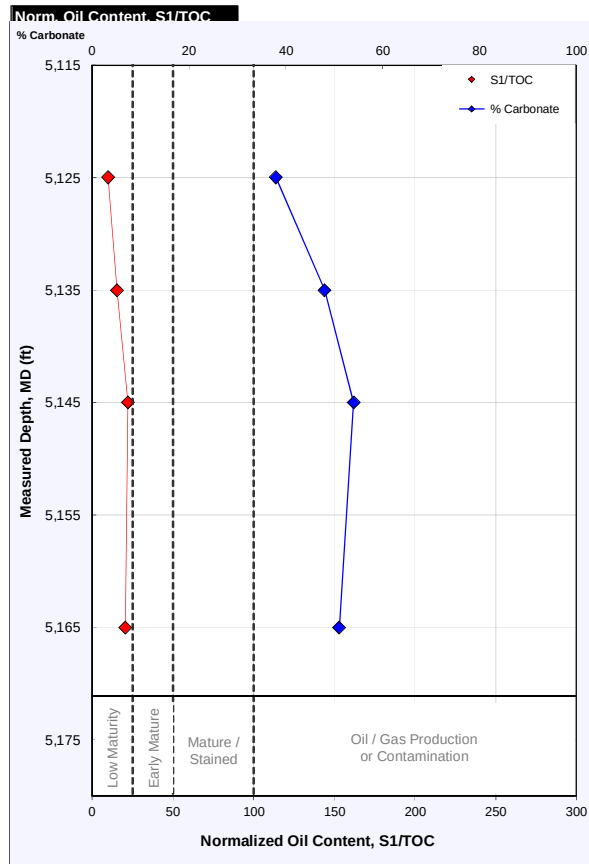


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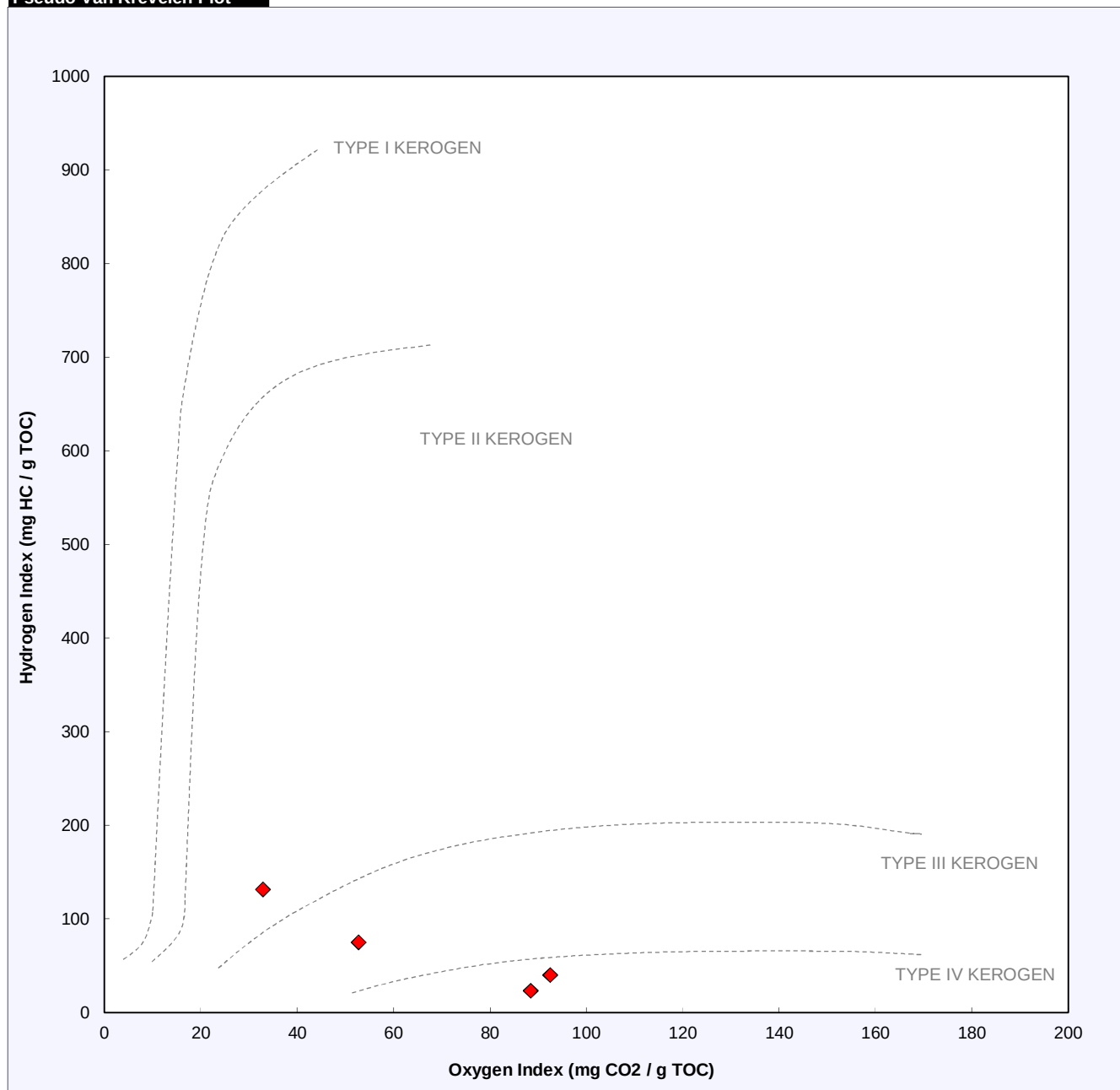
Osage 106-R,





Osage 106-R,

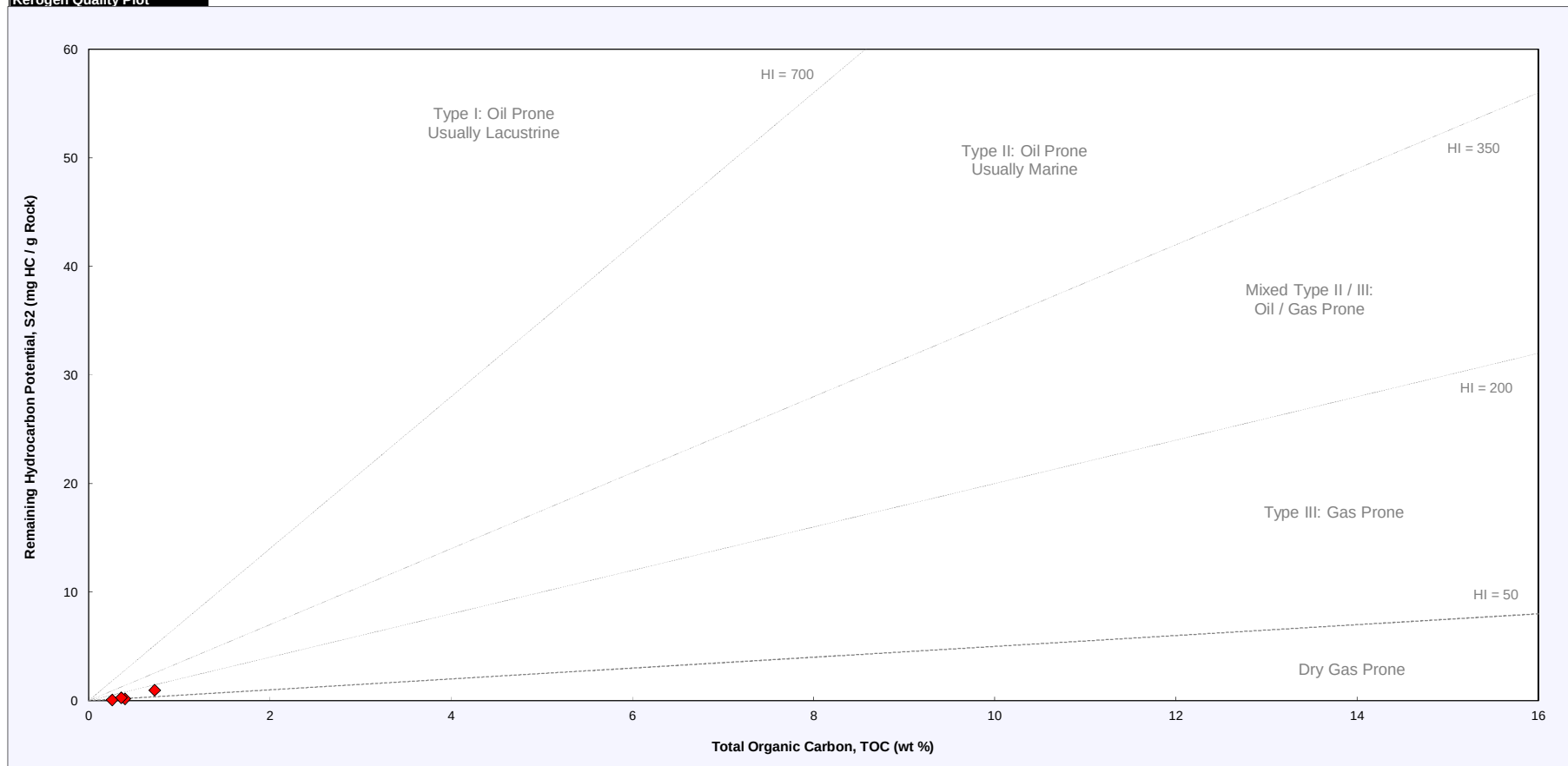
Pseudo Van Krevelen Plot





Osage 106-R,

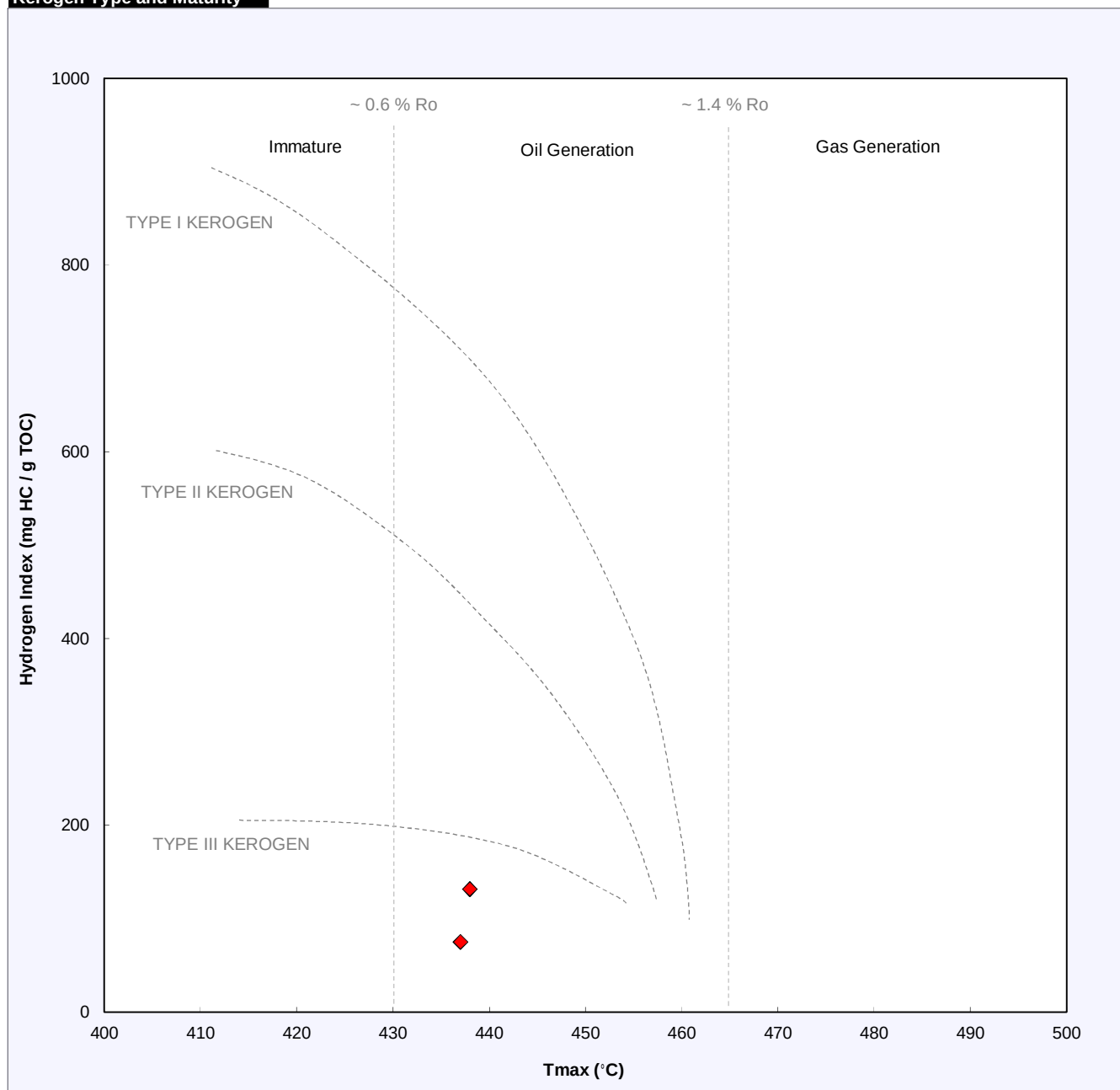
Kerogen Quality Plot





Osage 106-R,

Kerogen Type and Maturity





Osage 106-R,

Kerogen Quality Plot

