



Source Rock Analyses

Leco TOC, Rock-Eval-2 and Maturity Testing

Nossaman #1

December 8, 2014

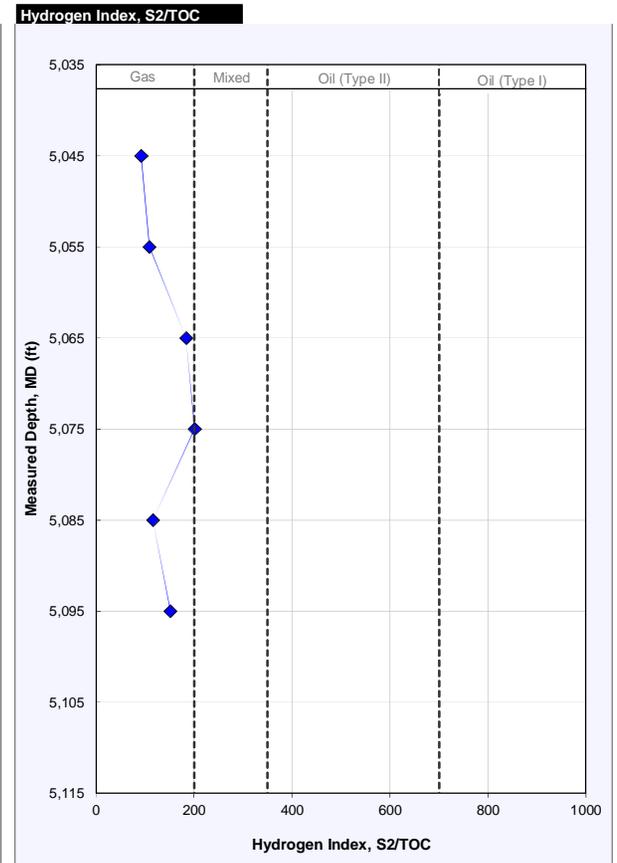
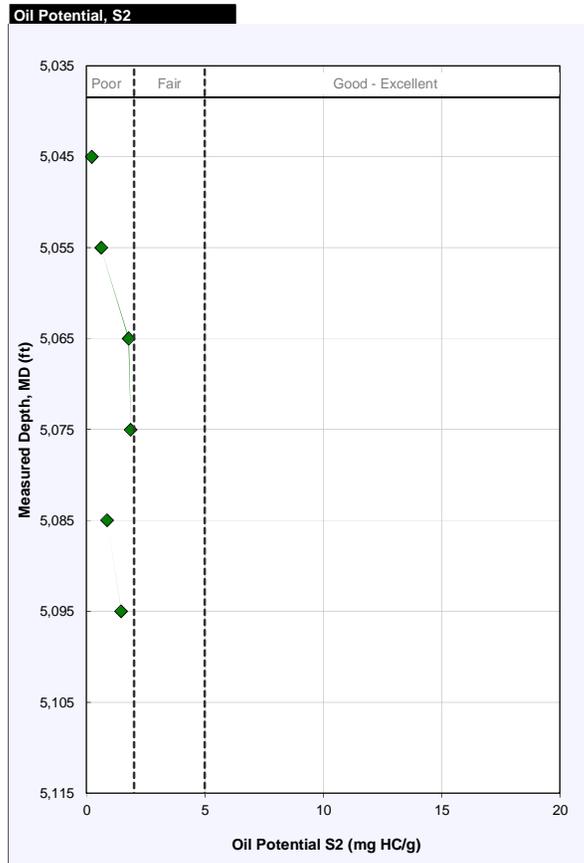
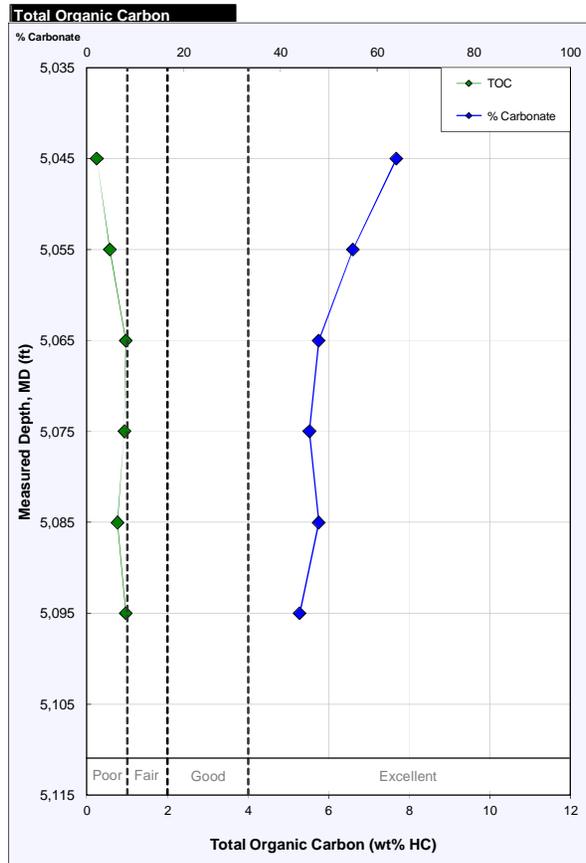


Nossaman #1.

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 Ref.)	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-141204-001	15	Nossaman #1				5,040.00	5,050.00	5,045.00		64.00	0.25	0.06	0.23	0.08	439	0.74	0.74	92	32	3	24	0.21	
RPOR-141204-002	16	Nossaman #1				5,050.00	5,060.00	5,055.00		55.00	0.57	0.09	0.62	0.16	438	0.72	0.72	109	28	4	16	0.13	
RPOR-141204-003	17	Nossaman #1				5,060.00	5,070.00	5,065.00		48.00	0.97	0.32	1.78	0.16	437	0.71	0.71	184	16	11	33	0.15	
RPOR-141204-004	18	Nossaman #1				5,070.00	5,080.00	5,075.00		46.00	0.93	0.30	1.87	0.18	438	0.72	0.72	201	19	10	32	0.14	
RPOR-141204-005	19	Nossaman #1				5,080.00	5,090.00	5,085.00		48.00	0.76	0.11	0.88	0.25	439	0.74	0.74	116	33	4	14	0.11	
RPOR-141204-006	20	Nossaman #1				5,090.00	5,100.00	5,095.00		44.00	0.97	0.17	1.47	0.26	436	0.69	0.69	152	27	6	18	0.10	

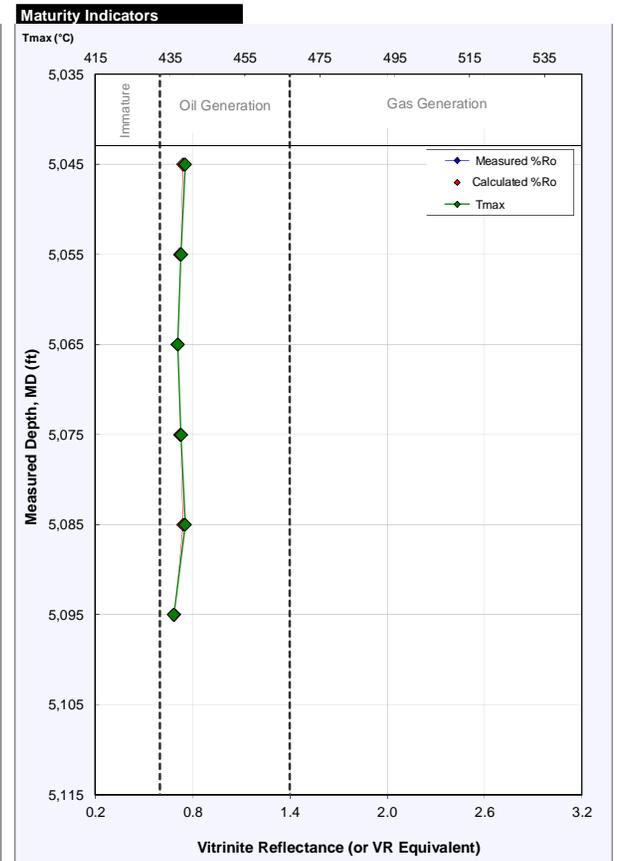
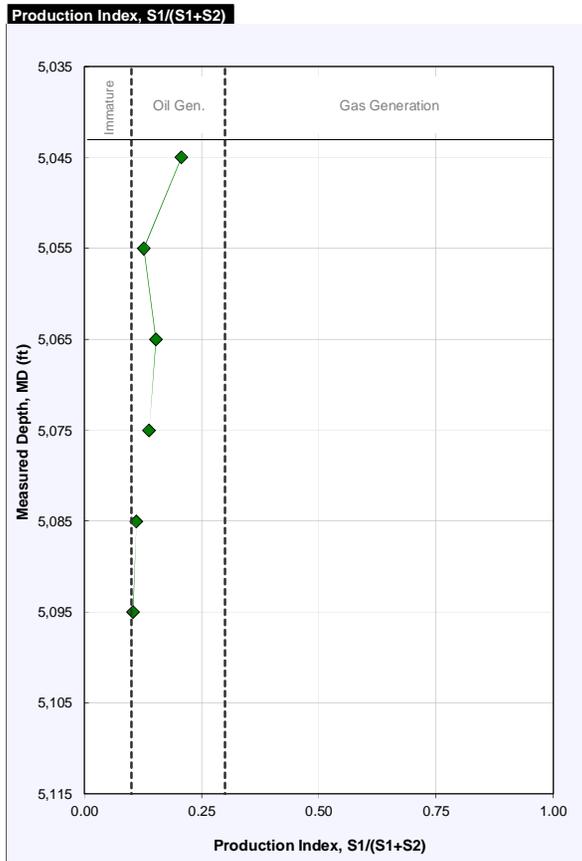
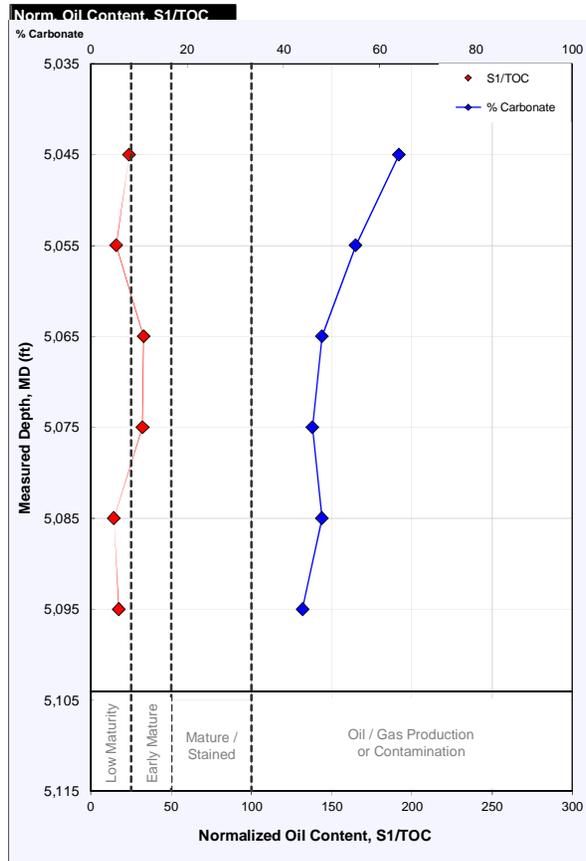


Nossaman #1,





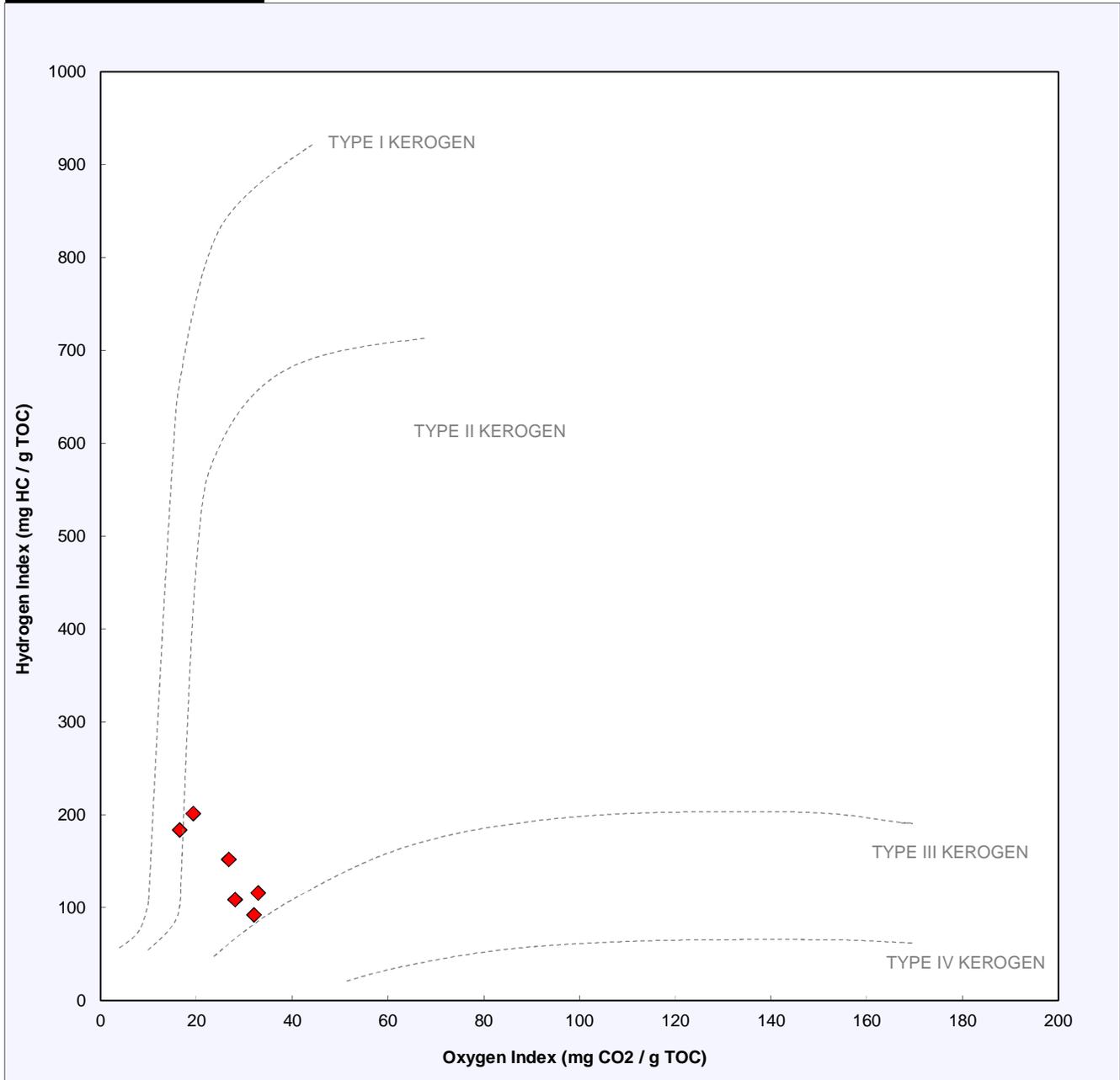
Nossaman #1,





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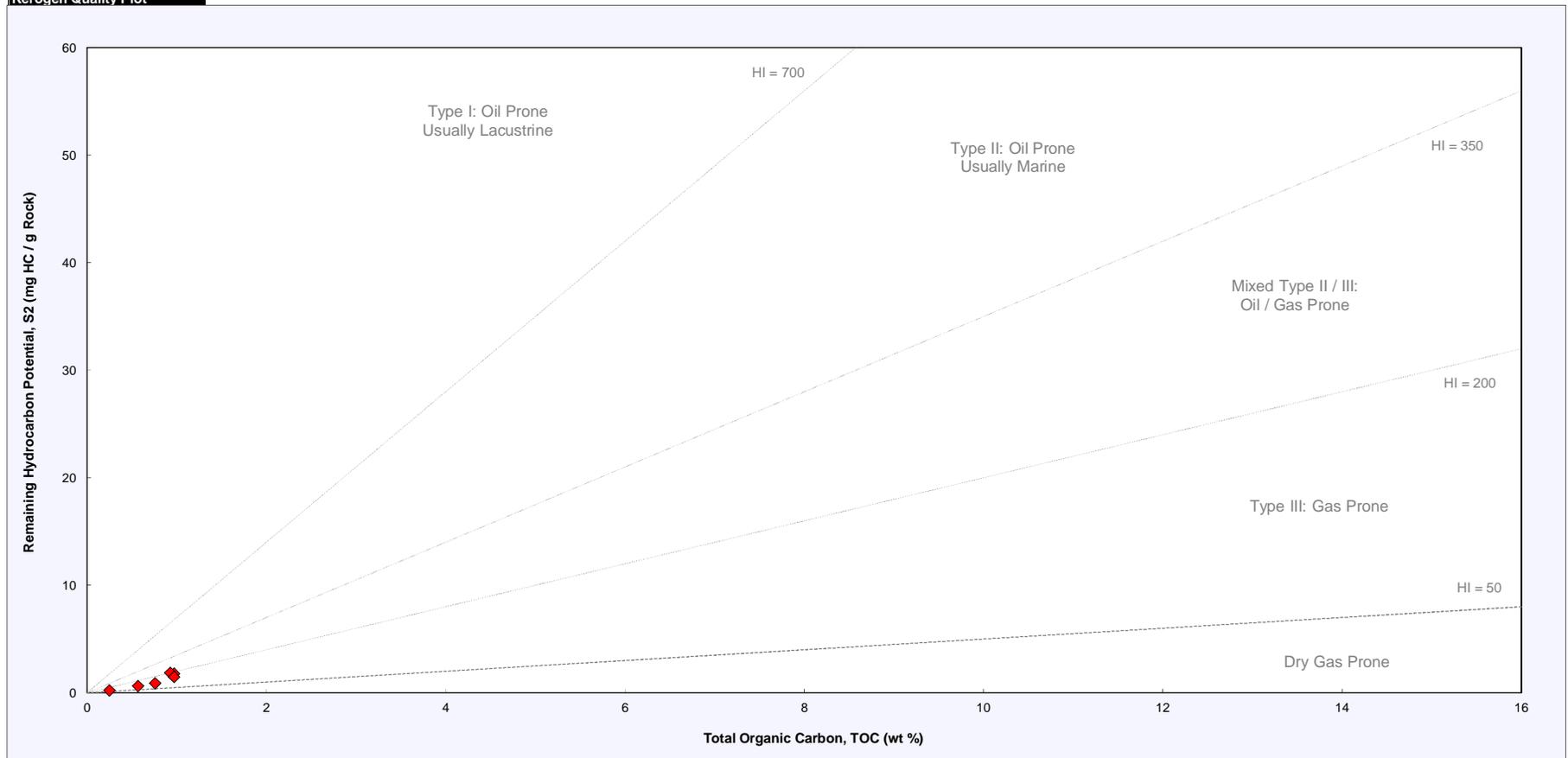
Pseudo Van Krevelen Plot





Nossaman #1,

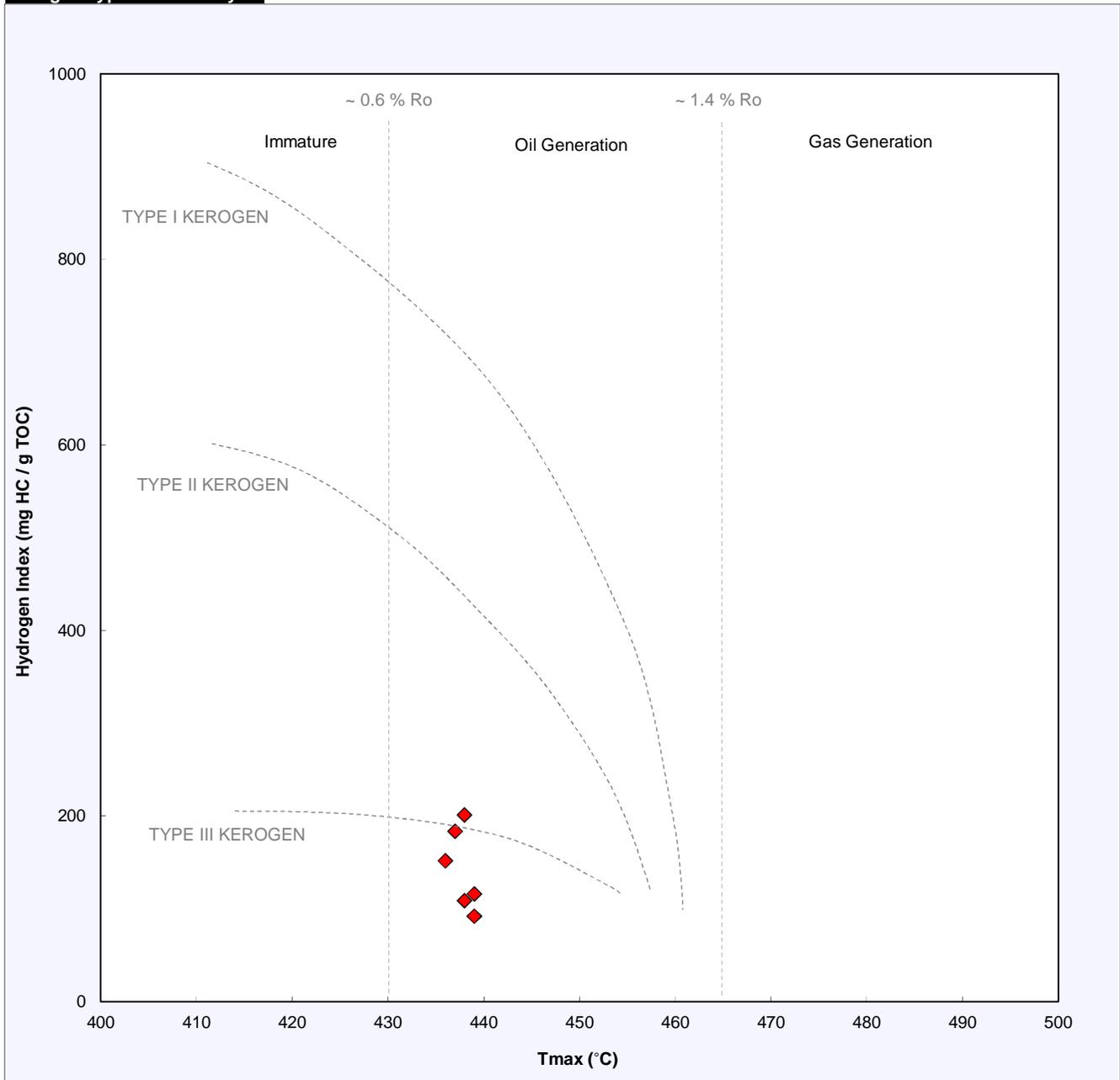
Kerogen Quality Plot





Nossaman #1,

Kerogen Type and Maturity





Nossaman #1,

Kerogen Quality Plot

