

**TOTAL ORGANIC CARBON AND ROCK-EVAL
PYROLYSIS EVALUATION OF
THIRTY CORE SAMPLES**

INVESTIGATOR No. 2

FINAL REPORT

Prepared for

Wagner and Brown, Ltd.

by

The Geochemistry Services Department

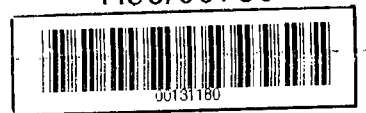
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Fig.1: Modified van Krevelen Diagram

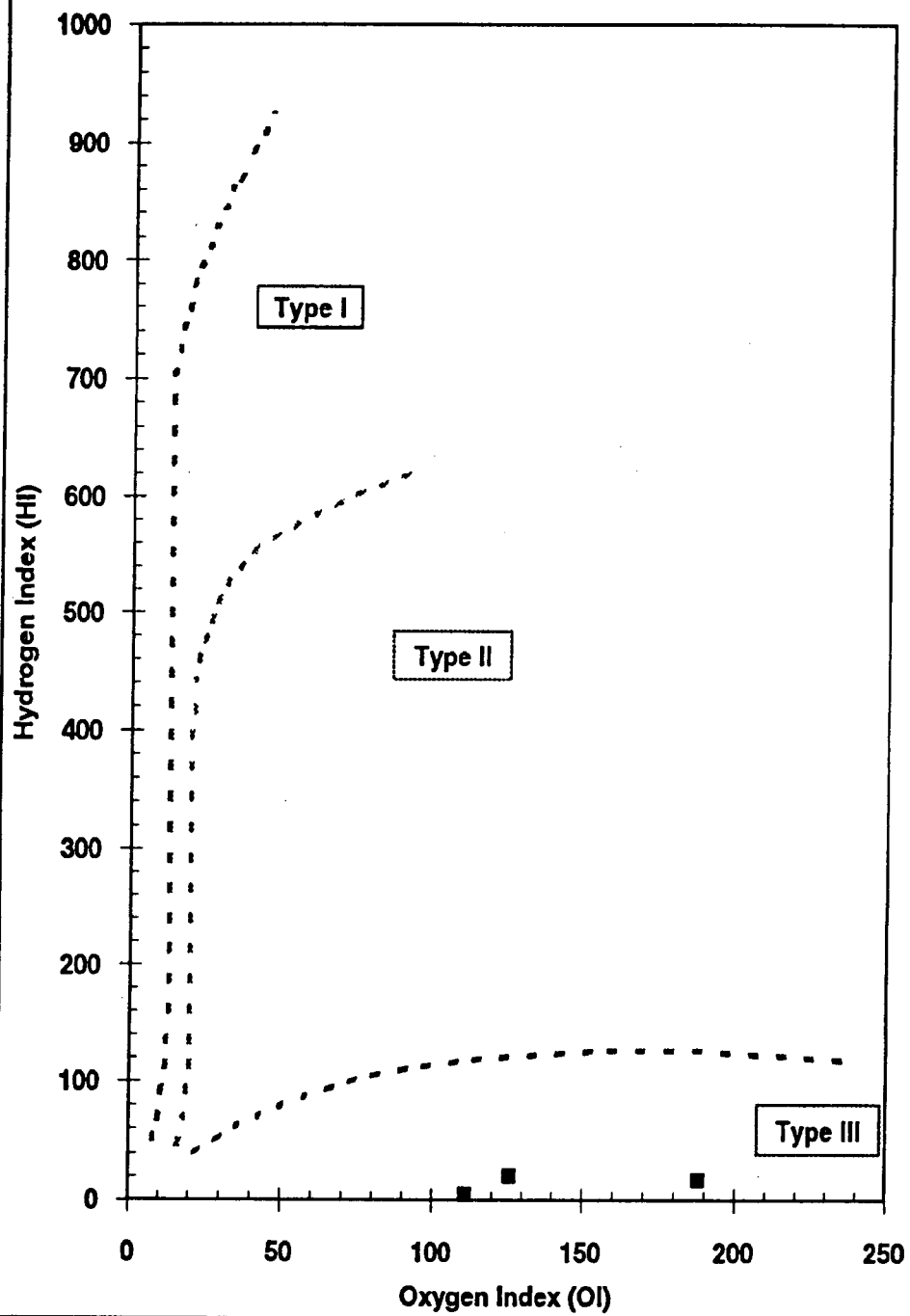


Fig.2: Rock-Eval S2 vs. TOC

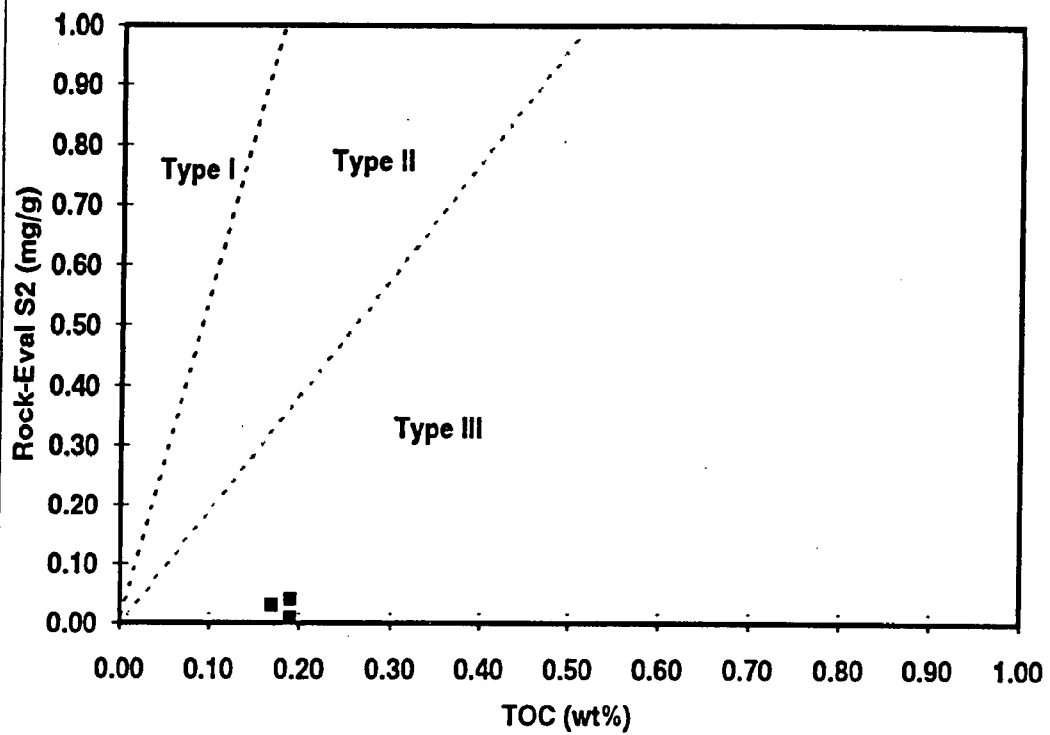


Fig.3: Reactive Carbon Index (RCI) vs. Tmax

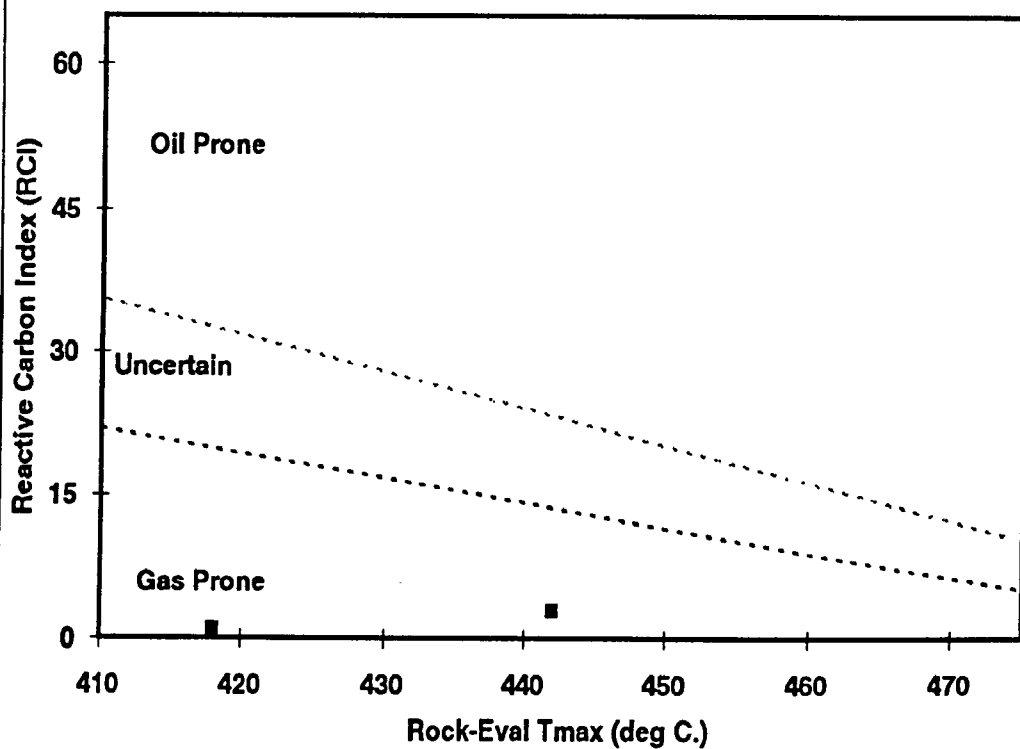


Table 1: Total Organic Carbon & Rock-Eval Pyrolysis Investigator No. 2

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Sample Depth (m)	Rock Sample No.	TOC	S1	S2	S3	Tmax	Hydrogen Index	Oxygen Index	Reactive Carbon	Transformation Ratio
121.4	6326 RS 1167	0.16 ✓								
158.0	6326 RS 1175	0.16 ✓								
201.9	6326 RS 1185	0.14 ✓								
224.8	6326 RS 1191	0.14 ✓								
266.8	6326 RS 1213	0.17 ✓	0.02 ✓	0.03 ✓	0.32 ✓	442 ✓	18 ✓	188 ✓	2.9	0.40
287.1	6326 RS 1222	0.14 ✓								
299.2	6326 RS 1230	0.14 ✓								
322.7	6326 RS 1239	0.12 ✓								
363.2	6326 RS 1263	0.14 ✓								
388.0	6326 RS 1276	0.13 ✓								
402.1	6326 RS 1285	0.14 ✓								
445.5	6326 RS 1311	0.16 ✓								
468.2	6326 RS 1322	0.14 ✓								
485.0	6326 RS 1332	0.16 ✓								
527.0	6326 RS 1354	0.14 ✓								
551.0	6326 RS 1362	0.15 ✓								
592.8	6326 RS 1383	0.16 ✓								
628.9	6326 RS 1407	0.17 ✓								
641.7	6326 RS 1413	0.17 ✓								
654.8	6326 RS 1420	0.17 ✓								
716.2	6326 RS 1452	0.17 ✓								
735.7	6326 RS 1462	0.19 ✓	0.01 ✓	0.01 ✓	0.21 ✓	418 ✓	5 ✓	111 ✓	1.1	0.50
750.3	6326 RS 1469	0.15 ✓								
796.8	6326 RS 1495	0.11 ✓								
825.2	6326 RS 1605	0.14 ✓								
859.0	6326 RS 1606	0.15 ✓								
897.0	6326 RS 1608	0.13 ✓								
921.3	6326 RS 1609	0.17 ✓								
936.2	6326 RS 1610	0.19 ✓	0.12 ✓	0.04 ✓	0.24	274	21 ✓	126 ✓	8.4	0.75
975.8	6326 RS 1612	0.12 ✓								

TOC = Total Organic Carbon (wt%); TC = Total Carbon (wt%); S1 = Free Hydrocarbons (mg/g); S2 = Pyrolyzable

Hydrocarbons (mg/g); S3 = CO2 released during pyrolysis (mg/g); Hydrogen Index (HI) = [(S2/%TOC)x100];

Oxygen Index (OI) = [(S3/%TOC)x100]; Reactive Carbon (RCI) = [10x(S1+S2)/%TOC]; Transformation Ratio = S1/(S1+S2).

Tmax and Hydrogen Index values are unreliable due to low (<0.30) S2 yields (mg/g rock).