

Attachment to WCR.
Appendix 8 of WCR.
Ingleby-1
(W1038)



PETROLEUM DIVISION

16 MAR 1993

APPENDIX-8

VITRINITE REFLECTANCE

INGLEBY NO. 1

A1/1

K.K. No.	Depth (m)	R max V	Range	N	Description Including Liptinite (Exinite) Fluorescence
HEYTESBURY FORMATION					
v3682	75 SWC 24	0.21	0.16-0.34	13	Sparse liptodetrinite, yellow to orange, rare phytoplankton, yellow to orange. (Calcareous siltstone. Dom sparse, L>I>V. Liptinite and inertinite sparse, vitrinite rare. Bitumen rare, bright yellow. Oil drops rare, yellow. Mineral fluorescence pervasive, faint green to faint orange. Foram and fossil fragments common. Glauconite rare. Iron oxide abundant. Pyrite common.)
v3681	100 SWC 23	0.23	0.16-0.31	6	Sparse liptodetrinite, yellow to orange, rare phytoplankton, yellow to orange. (Calcareous siltstone. Dom sparse, L>I>V. Liptinite and inertinite sparse, vitrinite rare. Bitumen rare, bright yellow to moderate yellowish green. Oil drops rare, yellow. Mineral fluorescence pervasive, faint green to moderate orange. Foram and fossil fragments abundant. Glauconite rare. Iron oxide common. Pyrite abundant.)
v3680	⁵ / ₁₀₀ SWC 19	0.30	0.23-0.45	10	Sparse liptodetrinite, yellow to orange, rare phytoplankton, yellow to orange. (Calcareous siltstone. Dom sparse, L>I>V. Liptinite and inertinite sparse, vitrinite rare. Bitumen rare, bright yellow to moderate yellowish green. Oil drops rare, yellow. Mineral fluorescence pervasive, faint green to moderate orange. Foram and fossil fragments major. Glauconite rare. Iron oxide common. Pyrite abundant.)
WANGERRIP GROUP					
v3679	164 SWC 17	0.31	0.23-0.37	19	Rare phytoplankton and liptodetrinite, yellow to orange, rare sporinite, yellow to dull orange. (Partly calcareous siltstone>partly calcareous claystone=sandstone. Dom sparse, V=L>I. Vitrinite and liptinite sparse, inertinite rare. Oil drops rare, yellow. Bitumen rare, bright yellow. Mineral fluorescence pervasive, faint green. Fossil fragments rare. Iron oxide common. Pyrite abundant.)

INGLEBY NO. 1

A1/2

K.K. No.	Depth (m)	$\frac{R}{V}$ max	Range	N	Description Including Liptinite (Exinite) Fluorescence
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EUMERALLA FORMATION

v3678	248 SWC 7	0.34	0.25-0.43	26	Sparse phytoplankton and liptodetrinite, yellow to orange, rare cutinite and sporinite, orange. (Partly calcareous claystone>partly calcareous siltstone. Dom common, L>I>V. Liptinite common, inertinite and vitrinite sparse. Bitumen rare, brown. Mineral fluorescence pervasive, moderate green to moderate greenish yellow. Fossil fragments rare. Iron oxide abundant. Pyrite common.)
v3677	313 SWC 3	0.26	0.21-0.36	26	Abundant sporinite, yellow to orange, common cutinite and liptodetrinite, yellow to orange, sparse phytoplankton, yellow to orange, rare resinite, yellow, rare suberinite, orange to dull orange. (Partly calcareous siltstone>partly calcareous claystone. Dom major, L>>V=I. Liptinite major, vitrinite and inertinite common. Bitumen rare, orange to dull orange. Mineral fluorescence pervasive, faint green. Iron oxide abundant. Pyrite common.)

TOTAL DEPTH 331.2m

VITRINITE REFLECTANCE WORKSHEET

WELL NAME: *Kelriville* SAMPLE NO.: *V2302* DEPTH: *75m* TYPE: *SUC 24*

FGV = First Generation Vitrinite 1 = Inertinite

Ro %	No. Read	Pop Rng	Pop Type	Ro %	No. Read	Pop Rng	Pop Type	Ro %	No. Read	Pop Rng	Pop Type	Ro %	No. Read	Pop Rng	Pop Type	Ro %	No. Read	Pop Rng	Pop Type	Organic Matter Comp. (%)		
.10				.46				.82				1.18				1.54				1.90		
.11				.47				.83				1.19				1.55				1.91		
.12				.48				.84				1.20				1.56				1.92		
.13				.49				.85				1.21				1.57				1.93		
.14				.50				.86				1.22				1.58				1.94		
.15				.51				.87				1.23				1.59				1.95		
.16				.52				.88				1.24				1.60				1.96		
.17				.53				.89				1.25				1.61				1.97		
.18				.54				.90				1.26				1.62				1.98		
.19				.55				.91				1.27				1.63				1.99		
.20				.56				.92				1.28				1.64				2.00		
.21				.57				.93				1.29				1.65				2.01		
.22				.58				.94				1.30				1.66						
.23				.59				.95				1.31				1.67						
.24				.60				.96				1.32				1.68						
.25				.61				.97				1.33				1.69						
.26				.62				.98				1.34				1.70						
.27				.63				.99				1.35				1.71						
.28				.64				1.00				1.36				1.72						
.29				.65				1.01				1.37				1.73						
.30				.66				1.02				1.38				1.74						
.31				.67				1.03				1.39				1.75						
.32				.68				1.04				1.40				1.76						
.33				.69				1.05				1.41				1.77						
.34				.70				1.06				1.42				1.78						
.35				.71				1.07				1.43				1.79						
.36				.72				1.08				1.44				1.80						
.37				.73				1.09				1.45				1.81						
.38				.74				1.10				1.46				1.82						
.39				.75				1.11				1.47				1.83						
.40				.76				1.12				1.48				1.84						
.41				.77				1.13				1.49				1.85						
.42				.78				1.14				1.50				1.86						
.43				.79				1.15				1.51				1.87						
.44				.80				1.16				1.52				1.88						
.45				.81				1.17				1.53				1.89						
																Exinite	Organic Matter Comp. (%)					
																Inertinite						
																0.2	-					
																10.1	0.1					

VITRINITE REFLECTANCE WORKSHEET

WELL NAME: *W. 23* SAMPLE NO. *13481* DEPTH: *100m* TYPE: *SEMI 23*

FGV = First Generation Vitrinite 1 = Inertinite

Ro %	No. Read	Pop Range	Pop Type	Ro %	No. Read	Pop Range	Pop Type	Ro %	No. Read	Pop Range	Pop Type	Ro %	No. Read	Pop Range	Pop Type	Ro %	No. Read	Pop Range	Pop Type	Ro %	No. Read	Pop Range	Pop Type	Ro %	No. Read	Pop Range	Pop Type	
.10				.46				.82				1.18				1.54				1.90								
.11				.47				.83				1.19				1.55				1.91								
.12				.48				.84				1.20				1.56				1.92								
.13				.49				.85				1.21				1.57				1.93								
.14				.50				.86				1.22				1.58				1.94								
.15				.51				.87				1.23				1.59				1.95								
.16				.52				.88				1.24				1.60				1.96								
.17				.53				.89				1.25				1.61				1.97								
.18				.54				.90				1.26				1.62				1.98								
.19				.55				.91				1.27				1.63				1.99								
.20				.56				.92				1.28				1.64				2.00								
.21				.57				.93				1.29				1.65				2.01								
.22				.58				.94				1.30				1.66												
.23				.59				.95				1.31				1.67												
.24				.60				.96				1.32				1.68												
.25				.61				.97				1.33				1.69												
.26				.62				.98				1.34				1.70												
.27				.63				.99				1.35				1.71												
.28				.64				1.00				1.36				1.72												
.29				.65				1.01				1.37				1.73												
.30				.66				1.02				1.38				1.74												
.31				.67				1.03				1.39				1.75												
.32				.68				1.04				1.40				1.76												
.33				.69				1.05				1.41				1.77												
.34				.70				1.06				1.42				1.78												
.35				.71				1.07				1.43				1.79												
.36				.72				1.08				1.44				1.80												
.37				.73				1.09				1.45				1.81												
.38				.74				1.10				1.46				1.82												
.39				.75				1.11				1.47				1.83												
.40				.76				1.12				1.48				1.84												
.41				.77				1.13				1.49				1.85												
.42				.78				1.14				1.50				1.86												
.43				.79				1.15				1.51				1.87												
.44				.80				1.16				1.52				1.88												
.45				.81				1.17				1.53				1.89												

Organic matter Comp. (%)
Exinite Alignite

0.2
Vitrinite Inertinite

<0.1 0.1

VITRINITE REFLECTANCE WORKSHEET

WELL NAME: *W-101-1*

SAMPLE NO. *100*

DEPTH. *100 m*

TYPE: *Seal. 19*

FGV = First Generation Vitrinite μ 1 = Inertinite

Ro %	No. Read	Pop Range	Pop Type	Ro %	No. Read	Pop Range	Pop Type	Ro %	No. Read	Pop Range	Pop Type	Ro %	No. Read	Pop Range	Pop Type	Ro %	No. Read	Pop Range	Pop Type	Ro %	No. Read	Pop Range	Pop Type	Ro %	No. Read	Pop Range	Pop Type	Ro %	No. Read	Pop Range	Pop Type	Ro %	No. Read	Pop Range	Pop Type		
.10				.46				.82				1.18				1.54				1.90																	
.11				.47				.83				1.19				1.55				1.91																	
.12				.48				.84				1.20				1.56				1.92																	
.13				.49				.85				1.21				1.57				1.93																	
.14				.50				.86				1.22				1.58				1.94																	
.15				.51				.87				1.23				1.59				1.95																	
.16				.52				.88				1.24				1.60				1.96																	
.17				.53				.89				1.25				1.61				1.97																	
.18				.54				.90				1.26				1.62				1.98																	
.19				.55				.91				1.27				1.63				1.99																	
.20				.56				.92				1.28				1.64				2.00																	
.21				.57				.93				1.29				1.65				2.01																	
.22				.58				.94				1.30				1.66																					
.23				.59				.95				1.31				1.67																					
.24				.60				.96				1.32				1.68																					
.25				.61				.97				1.33				1.69																					
.26				.62				.98				1.34				1.70																					
.27				.63				.99				1.35				1.71																					
.28				.64				1.00				1.36				1.72																					
.29				.65				1.01				1.37				1.73																					
.30				.66				1.02				1.38				1.74																					
.31				.67				1.03				1.39				1.75																					
.32				.68				1.04				1.40				1.76																					
.33				.69				1.05				1.41				1.77																					
.34				.70				1.06				1.42				1.78																					
.35				.71				1.07				1.43				1.79																					
.36				.72				1.08				1.44				1.80																					
.37				.73				1.09				1.45				1.81																					
.38				.74				1.10				1.46				1.82																					
.39				.75				1.11				1.47				1.83																					
.40				.76				1.12				1.48				1.84																					
.41				.77				1.13				1.49				1.85																					
.42				.78				1.14				1.50				1.86																					
.43				.79				1.15				1.51				1.87																					
.44				.80				1.16				1.52				1.88																					
.45				.81				1.17				1.53				1.89																					

Organic matter Comp. (%)

Exinite Alignite

0.2

Vitrinite Inertinite

0.1 0.1

VITRINITE REFLECTANCE WORKSHEET

COKE & RENEAL

WELL NAME..... *WILSON 51-1*

SAMPLE NO..... *13679*

DEPTH..... *144 m*

TYPE..... *SEC 17*

FGV = First Generation Vitrinite 1 = Inertinite

Ro %	No. Read	Pop Rnge	Pop Type	Ro %	No. Read	Pop Rnge	Pop Type	Ro %	No. Read	Pop Rnge	Pop Type	Ro %	No. Read	Pop Rnge	Pop Type	Ro %	No. Read	Pop Rnge	Pop Type	Ro %	No. Read	Pop Rnge	Pop Type
.10				.46				.82				1.18				1.54				1.90			
.11				.47				.83				1.19				1.55				1.91			
.12				.48				.84				1.20				1.56				1.92			
.13				.49				.85				1.21				1.57				1.93			
.14				.50				.86				1.22				1.58				1.94			
.15				.51				.87				1.23				1.59				1.95			
.16				.52				.88				1.24				1.60				1.96			
.17				.53				.89				1.25				1.61				1.97			
.18				.54				.90				1.26				1.62				1.98			
.19				.55				.91				1.27				1.63				1.99			
.20				.56				.92				1.28				1.64				2.00			
.21				.57				.93				1.29				1.65				2.01			
.22				.58				.94				1.30				1.66							
.23	1			.59				.95				1.31				1.67							
.24				.60				.96				1.32				1.68							
.25	1			.61				.97				1.33				1.69							
.26	1			.62				.98				1.34				1.70							
.27	1			.63				.99				1.35				1.71							
.28	3			.64				1.00				1.36				1.72							
.29	1			.65				1.01				1.37				1.73							
.30	2			.66				1.02				1.38				1.74							
.31	2			.67				1.03				1.39				1.75							
.32	2			.68				1.04				1.40				1.76							
.33	1			.69				1.05				1.41				1.77							
.34	1			.70				1.06				1.42				1.78							
.35	2			.71				1.07				1.43				1.79							
.36				.72				1.08				1.44				1.80							
.37	2			.73				1.09				1.45				1.81							
.38				.74				1.10				1.46				1.82							
.39				.75				1.11				1.47				1.83							
.40				.76				1.12				1.48				1.84							
.41				.77				1.13				1.49				1.85							
.42				.78				1.14				1.50				1.86							
.43				.79				1.15				1.51				1.87							
.44				.80				1.16				1.52				1.88							
.45				.81				1.17				1.53				1.89							
																						Organic matter Comp. (%)	
																						Exinite	Alignite
																						Vitrinite	Inertinite
																						<i>0.1</i>	<i>10.1</i>

Handwritten notes

VITRINITE REFLECTANCE WORKSHEET

WELL NAME: *W-10-1* SAMPLE NO.: *1-2-72* DEPTH: *2410'* TYPE: *SLT*

FGV = First Generation Vitrinite I = Inertinite

Ro %	No. Read	Pop Rnge	Pop Type	Ro %	No. Read	Pop Rnge	Pop Type	Ro %	No. Read	Pop Rnge	Pop Type	Ro %	No. Read	Pop Rnge	Pop Type	Ro %	No. Read	Pop Rnge	Pop Type	
.10				.46				.82				1.18				1.54				
.11				.47				.83				1.19				1.55				
.12				.48				.84				1.20				1.56				
.13				.49				.85				1.21				1.57				
.14				.50				.86				1.22				1.58				
.15				.51				.87				1.23				1.59				
.16				.52				.88				1.24				1.60				
.17				.53				.89				1.25				1.61				
.18				.54				.90				1.26				1.62				
.19				.55				.91				1.27				1.63				
.20				.56				.92				1.28				1.64				
.21				.57				.93				1.29				1.65				
.22				.58				.94				1.30				1.66				
.23				.59				.95				1.31				1.67				
.24				.60				.96				1.32				1.68				
.25				.61				.97				1.33				1.69				
.26				.62				.98				1.34				1.70				
.27				.63				.99				1.35				1.71				
.28				.64				1.00				1.36				1.72				
.29				.65				1.01				1.37				1.73				
.30				.66				1.02				1.38				1.74				
.31				.67				1.03				1.39				1.75				
.32				.68				1.04				1.40				1.76				
.33				.69				1.05				1.41				1.77				
.34				.70				1.06				1.42				1.78				
.35				.71				1.07				1.43				1.79				
.36				.72				1.08				1.44				1.80				
.37				.73				1.09				1.45				1.81				
.38				.74				1.10				1.46				1.82				
.39				.75				1.11				1.47				1.83				
.40				.76				1.12				1.48				1.84				
.41				.77				1.13				1.49				1.85				
.42				.78				1.14				1.50				1.86				
.43				.79				1.15				1.51				1.87				
.44				.80				1.16				1.52				1.88				
.45				.81				1.17				1.53				1.89				
Organic matter Comp. (%)																	Ro %	No. Read	Pop Rnge	Pop Type
Exinite																				
Alignite																				
Vitrinite																				
Inertinite																				

VITRINITE REFLECTANCE WORKSHEET

WELL NAME: *545-1-1*

SAMPLE NO.: *2677*

DEPTH: *213 m*

TYPE: *2677*

FGV = First Generation Vitrinite μ I = Inertinite

Ro %	No. Read	Pop Rng	Pop Type	Ro %	No. Read	Pop Rng	Pop Type	Ro %	No. Read	Pop Rng	Pop Type	Ro %	No. Read	Pop Rng	Pop Type	Ro %	No. Read	Pop Rng	Pop Type	Ro %	No. Read	Pop Rng	Pop Type	Ro %	No. Read	Pop Rng	Pop Type	
.10				.46				.82				1.18				1.54				1.90								
.11				.47				.83				1.19				1.55				1.91								
.12				.48				.84				1.20				1.56				1.92								
.13				.49				.85				1.21				1.57				1.93								
.14				.50				.86				1.22				1.58				1.94								
.15				.51				.87				1.23				1.59				1.95								
.16				.52				.88				1.24				1.60				1.96								
.17				.53				.89				1.25				1.61				1.97								
.18				.54				.90				1.26				1.62				1.98								
.19				.55				.91				1.27				1.63				1.99								
.20				.56				.92				1.28				1.64				2.00								
.21				.57				.93				1.29				1.65				2.01								
.22				.58				.94				1.30				1.66												
.23				.59				.95				1.31				1.67												
.24				.60				.96				1.32				1.68												
.25				.61				.97				1.33				1.69												
.26				.62				.98				1.34				1.70												
.27				.63				.99				1.35				1.71												
.28				.64				1.00				1.36				1.72												
.29				.65				1.01				1.37				1.73												
.30				.66				1.02				1.38				1.74												
.31				.67				1.03				1.39				1.75												
.32				.68				1.04				1.40				1.76												
.33				.69				1.05				1.41				1.77												
.34				.70				1.06				1.42				1.78												
.35				.71				1.07				1.43				1.79												
.36				.72				1.08				1.44				1.80												
.37				.73				1.09				1.45				1.81												
.38				.74				1.10				1.46				1.82												
.39				.75				1.11				1.47				1.83												
.40				.76				1.12				1.48				1.84												
.41				.77				1.13				1.49				1.85												
.42				.78				1.14				1.50				1.86												
.43				.79				1.15				1.51				1.87												
.44				.80				1.16				1.52				1.88												
.45				.81				1.17				1.53				1.89												

Organic matter Comp. (%)

Exinite Alignite

Vitrinite Inertinite

10.0 *10.0*