Vitrinite reflectance data and a description of organic matter of cuttings from the Pan American Chuitna River State 3193 No. 1 well

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Geologic Materials Center Data Report No. 135

K.K. No.	Depth (m)	$\bar{R}_v$max	Range	N	Description Including Liptinite (Exinite) Fluorescence
v403	4110-4380 Conc.	0.46	0.33-0.52	27	Abundant sporinite, dull orange, sparse cutinite, dull orange, rare resinite, yellow. (Demineralized organic matter concentrate. Estimated composition. Vitrinite - 90.0% Exinite - 3.0% Inertinite - 1.0% Mineral matter - 5.0% Pyrite - 0.5% Organic matter consists of coal, vitrite>clarite. Oxidation rims are present around some coal grains.)
v404	4380-4650 Conc.	0.45	0.40-0.55	26	Sparse sporinite, dull orange. (Demineralized organic matter concentrate. Estimated composition. Vitrinite - 96.5% Exinite - 0.3% Inertinite - 1.0% Mineral matter - 2.0% Pyrite - Trace Marcasite - 0.2% Organic matter consists of coal, vitrite>clarite. Oxidation rims are present around some coal grains.)
v405	4650-4920 Conc.	0.47	0.35-0.56	27	Sparse sporinite and cutinite, dull orange, sparse sparse resinite, yellow. (Demineralized organic matter concentrate. Estimated composition. Vitrinite - 95.9% Exinite - 0.6% Inertinite - 1.0% Mineral matter - 2.0% Pyrite - 0.5% Organic matter consists of coal, vitrite. Oxidation rims are present around some coal grains.)
v406	4920-5190 Conc.	0.50	0.42-0.65	26	Sparse sporinite, dull orange, rare to sparse resinite, greenish yellow. (Demineralized organic matter concentrate. Estimated composition. Vitrinite - 94.1% Exinite - 0.4% Inertinite - 1.0% Mineral matter - 4.0% Pyrite - 0.5% Organic matter consists of coal, vitrite>clarite. Oxidation rims are present around some coal grains.)
v407	5190-5460 Conc.	0.51	0.40-0.68	26	Sparse sporinite, dull orange. (Demineralized organic matter concentrate. Estimated composition. Vitrinite - 91.7% Exinite - 0.3% Inertinite - 1.5% Mineral matter - 6.0% Pyrite - 0.5% Organic matter consists predominantly of coal, with minor shaly coal. Vitrite>>clarite. Oxidation rims are present around some coal grains.)

K.K. No.	Depth (m)	$\bar{R}_v$max	Range	N	Description Including Liptinite (Exinite) Fluorescence
v408	5460-5730 Conc.	0.52	0.43-0.67	27	Sparse sporinite, dull orange. (Demineralized organic matter concentrate. Estimated composition. Vitrinite - 95.3%; Exinite - 0.2%; Inertinite - 1.0%; Mineral matter - 3.0%; Pyrite - 0.5%. Organic matter consists predominantly of coal, with minor shaly coal. Vitrite. Oxidation rims are present around some coal grains. Rare non fluorescing suberinite.)
v409	5730-6000 Conc.	0.53	0.45-0.62	26	Sparse sporinite and rare cutinite, dull orange, rare resinite, greenish yellow. (Demineralized organic matter concentrate. Estimated composition. Vitrinite - 93.1%; Exinite - 0.4%; Inertinite - 1.0%; Mineral matter - 5.0%; Pyrite - 0.5%. Organic matter consists of coal with minor shaly coal. Part of the coal population consists of cavings. Oxidation rims are present around some coal grains. Rare non fluorescing suberinite.)
v410	6000-6270 Conc.	0.52	0.46-0.58	27	Sparse sporinite, dull orange, rare resinite, greenish yellow. (Demineralized organic matter concentrate. Estimated composition. Vitrinite - 81.7%; Exinite - 0.3%; Inertinite - 1.0%; Diffuse organic matter - 10.0%; Mineral matter - 5.0%; Pyrite - 1.5%; Marcasite - 0.5%. Organic matter consists predominantly of coal with minor shaly coal. Part of the coal population consists of cavings. Oxidation rims are present around some coal grains.)
v411	6270-6540 Conc.	0.55	0.48-0.69	26	Sparse resinite, greenish yellow to orange, rare sporinite, dull orange. (Demineralized organic matter concentrate. Estimated composition. Vitrinite - 87.3%; Exinite - 0.2%; Inertinite - 1.0%; Diffuse organic matter - 6.0%; Mineral matter - 4.0%; Pyrite - 1.5%. Organic matter consists predominantly of coal with minor shaly coal. Bulk of the organic matter is probably cavings. Oxidation rims present around some coal grains. Sparse non fluorescing bitumen.)

K.K. No.	Depth (m)	$\bar{R}_v$max	Range	N	Description Including Liptinite (Exinite) Fluorescence
v412	6540-6810 Conc.	0.56	0.44-0.65	28	Rare resinite, orange, rare sporinite, dull orange. (Demineralized organic matter concentrate. Estimated composition. Vitrinite - 89.0%; Exinite - <0.1%; Inertinite - 1.0%; Diffuse organic matter - 6.0%; Mineral matter - 3.0%; Pyrite - 1.0%. Organic matter consists predominantly of coal with minor shaly coal. Part of the organic matter is probably cavings. Oxidation rims present around some coal grains. Micrinite abundant in some vitrinite. Sparse non fluorescing bitumen.)
v413	6810-7080 Conc.	0.55[1]	0.44-0.63	23	Rare resinite, orange, rare sporinite, dull orange. (Demineralized organic matter concentrate. Estimated composition. Vitrinite - 88.5%; Exinite - <0.1%; Inertinite - 1.0%; Diffuse organic matter - 4.0%; Mineral matter - 5.0%; Pyrite - 1.5%. Organic matter consists predominantly of coal with minor shaly coal. Bulk of the organic matter is probably consists of cavings. Oxidation rims present around some coal grains.)
	1 FGV	0.36[2]	0.32-0.43	5	
	2 ?Cavings				
v414	7080-7350 Conc.	0.52[1]	0.43-0.60	10	Rare resinite, dull orange. (Demineralized organic matter concentrate. Estimated composition. Vitrinite - 83.0%; Exinite - <0.1%; Inertinite - 2.5%; Diffuse organic matter - 6.0%; Mineral matter - 8.0%; Pyrite - 0.5%. Organic matter consists predominantly of coal with minor shaly coal. Bulk of the organic matter is probably consists of cavings. Oxidation rims present around some coal grains. Measured vitrinite population may include cavings.)
	1 ?FGV	0.40[2]	0.32-0.45	10	
	2 ?Cavings				
v415	7350-7620 Conc.	0.52[1]	0.42-0.58	9	Rare resinite, greenish yellow. (Demineralized organic matter concentrate. Estimated composition. Vitrinite - 87.3%; Exinite - <0.1%; Inertinite - 1.0%; Diffuse organic matter - 3.0%; Mineral matter - 8.0%; Pyrite - 0.5%; Marcasite - 0.2%. Organic matter consists predominantly of coal with minor shaly coal and claystone. Bulk of the organic matter is probably consists of cavings. Oxidation rims present around some coal grains. Measured vitrinite population may include cavings.)
	1 ?FGV	0.40[2]	0.29-0.49	10	
	2 ?Cavings				

K.K. No.	Depth (m)	$\bar{R}_v$max	Range	N	Description Including Liptinite (Exinite) Fluorescence
v416	7620-7890 Conc.	0.53[1]	0.46-0.60	4	Exinite absent. (Demineralized organic matter concentrate. Estimated composition.
		0.43[2]	0.36-0.48	7	Vitrinite - 61.0%
	1 FGV				Exinite - 0.0%
	2 ?Cavings				Inertinite - 3.0%
					Diffuse organic matter - 15.0%
					Mineral matter - 20.0%
					Pyrite - 1.0%
					Organic matter consists predominantly of coal with minor carbonaceous shale. Bulk of the organic matter is probably consists of cavings. Very little sample matter in the mount. Oxidation rims present around some coal grains.)
v417	7890-8160 Conc.	0.60[1]	0.42-0.69	14	Exinite absent/non fluorescing. (Demineralized organic matter concentrate. Estimated composition.
		0.40[2]	0.26-0.46	11	Vitrinite - 67.0%
	1 FGV				Exinite - 0.0%
	2 ?Cavings				Inertinite - 1.0%
					Diffuse organic matter - 10.0%
					Mineral matter - 20.0%
					Pyrite - 2.0%
					Organic matter consists predominantly of coal with subordinate carbonaceous shale. Bulk of the organic matter is probably consists of cavings. Micrinite abundant in some vitrinite. Oxidation rims present around some coal grains.)
v418	8160-8430 Conc.	0.56[1]	0.47-0.65	7	Sparse sporinite and cutinite, dull orange. (Demineralized organic matter concentrate. Estimated composition.
		0.42[2]	0.36-0.47	12	Vitrinite - 83.7%
	1 FGV				Exinite - 0.3%
	2 ?Cavings				Inertinite - 1.0%
					Diffuse organic matter - 5.0%
					Mineral matter - 8.0%
					Pyrite - 2.0%
					Organic matter consists predominantly of coal with minor carbonaceous shale. Bulk of the organic matter is probably consists of cavings. Oxidation rims present around some coal grains.)
v419	8430-8700 Conc.	0.60[1]	0.50-0.68	9	Rare sporinite, dull orange. (Demineralized organic matter concentrate. Estimated composition.
		0.43[2]	0.38-0.46	10	Vitrinite - 84.0%
	1 FGV				Exinite - <0.1%
	2 ?Cavings				Inertinite - 1.0%
					Diffuse organic matter - 0.5%
					Mineral matter - 8.0%
					Pyrite - 2.0%
					Organic matter consists predominantly of coal with minor carbonaceous shale. Bulk of the organic matter is probably consists of cavings. Oxidation rims present around some coal grains.)

K.K. No.	Depth (m)	$\bar{R}_v$max	Range	N	Description Including Liptinite (Exinite) Fluorescence
v420	8700-8880 Conc.	0.62[1]	0.56-0.71	10	Rare sporinite, dull orange. (Demineralized organic matter concentrate. Estimated composition.
		0.44[2]	0.33-0.53	12	Vitrinite - 82.0% Exinite - <0.1% Inertinite - 2.0% Diffuse organic matter - 10.0% Mineral matter - 5.0% Pyrite - 1.0% Organic matter consists predominantly of coal with minor carbonaceous shale. Bulk of the organic matter is probably consists of cavings. Oxidation rims present around some coal grains.)
	1 FGV 2 ?Cavings				
v421	8880-9150 Conc.	0.38[1]	0.32-0.46	15	Rare sporinite, dull orange, rare resinite, orange. (Demineralized organic matter concentrate. Estimated composition.
	1 ?Cavings/additives				Vitrinite - 89.5% Exinite - <0.1% Inertinite - 1.0% Diffuse organic matter - 3.0% Mineral matter - 5.0% Pyrite - 1.5% Organic matter consists predominantly of coal with minor shaly coal and is probably cavings. Oxidation rims present around some coal grains.)
v422	9150-9420 Conc.	0.40[1]	0.33-0.50	25	Rare sporinite, dull orange, rare resinite, orange. (Demineralized organic matter concentrate. Estimated composition.
	1 ?Cavings				Vitrinite - 81.7% Exinite - 0.3% Inertinite - 2.0% Diffuse organic matter - 10.0% Mineral matter - 5.0% Pyrite - 1.0% Organic matter consists predominantly of coal with minor shaly coal and is probably cavings. Oxidation rims present around some coal grains. Sparse non fluorescing suberinite.)
v423	9420-9690 Conc.	0.37[1]	0.27-0.45	25	Common sporinite and sparse cutinite, dull orange. (Demineralized organic matter concentrate. Estimated composition.
	1 ?Cavings				Vitrinite - 65.5% Exinite - 1.0% Inertinite - 2.0% Diffuse organic matter - 20.0% Mineral matter - 10.0% Pyrite - 1.5% Organic matter consists predominantly of coal with subordinate shaly coal and is probably cavings. Oxidation rims present around some coal grains.)

K.K. No.	Depth (m)	$\bar{R}_v$max	Range	N	Description Including Liptinite (Exinite) Fluorescence
v424	9690-9960 Conc.	0.72[1]	0.69-0.75	2	Common sporinite and sparse cutinite, dull orange. (Demineralized organic matter concentrate. Estimated composition.
		0.41[2]	0.31-0.52	25	Vitrinite - 71.7% Exinite - 0.3% Inertinite - 1.0% Diffuse organic matter - 15.0% Mineral matter - 10.0% Pyrite - 2.0% Organic matter consists mostly, if not entirely consists of probable cavings. Oxidation rims present around some coal grains.)
	1 ? FGV 2 ? Cavings				
v425	9960-10230 Conc.	0.65[1]	0.63-0.68	3	Sparse sporinite, dull orange. (Demineralized organic matter concentrate. Estimated composition.
		0.44[2]	0.34-0.53	25	Vitrinite - 66.8% Exinite - 0.2% Inertinite - 2.0% Diffuse organic matter - 20.0% Mineral matter - 10.0% Pyrite - 1.0% Organic matter consists predominantly of coal with subordinate shaly coal. Most organic matter, if not all consists of probable cavings. Oxidation rims present around some coal grains.)
	1 ? FGV 2 ? Cavings				
v426	10230-10500 Conc.	0.42[1]	0.33-0.50	25	Rare resinite, greenish yellow to orange. (Demineralized organic matter concentrate. Estimated composition. Vitrinite - 61.0% Exinite - 0.1% Inertinite - 1.0% Diffuse organic matter - 20.0% Mineral matter - 15.0% Pyrite - 2.0% Organic matter consists predominantly of coal with minor shaly coal and is probably cavings. Oxidation rims present around some coal grains.)
	1 ? Cavings				
v427	10500-10700 Conc.	0.74[1]	0.67-0.85	6	Exinite absent/non fluorescing. (Demineralized organic matter concentrate. Estimated composition.
		0.44[2]	0.32-0.56	15	Vitrinite - 66.0% Exinite - 0.0% Inertinite - 3.0% Diffuse organic matter - 10.0% Mineral matter - 20.0% Pyrite - 1.0% Organic matter consists predominantly of coal with subordinate shaly coal. Bulk of organic matter is probably cavings. Oxidation rims present around some coal grains.)
	1 ?FGV but may also be a contaminant. 2 ?Cavings				

VITRINITE REFLECTANCE WORKSHEET

WELL NAME: #1 P000157 SAMPLE NO. Y403 DEPTH 4110-4380' TYPE Conc.

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	Ro %	No. Read	Pop Rnge
.10				.46	1			.82				1.18				1.54				1.90		
.11				.47	4			.83				1.19				1.55				1.91		
.12				.48	3	FGV		.84				1.20				1.56				1.92		
.13				.49	1			.85				1.21				1.57				1.93		
.14				.50	3			.86				1.22				1.58				1.94		
.15				.51	1			.87				1.23				1.59				1.95		
.16				.52	2	↓		.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						
.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	1	↑		.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				Organic matter Comp		
.37				.73				1.09				1.45				1.81				Exinite		Alginit
.38				.74				1.10				1.46				1.82						
.39				.75				1.11				1.47				1.83				30		
.40	1	↓		.76				1.12				1.48				1.84						
.41	2			.77				1.13				1.49				1.85				Vitrinite		Inertini
.42				.78				1.14				1.50				1.86						
.43	2			.79				1.15				1.51				1.87				90.5		1.0
.44	3			.80				1.16				1.52				1.88						
.45	3			.81				1.17				1.53				1.89						

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VITRINITE REFLECTANCE WORKSHEET

WELL NAME. #1 P000157 SAMPLE NO. V404 DEPTH 4380' – 4650' TYPE conc.

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	Ro %	No. Read	Pop Rnge
.10				.46	4			.82				1.18				1.54				1.90		
.11				.47	2			.83				1.19				1.55				1.91		
.12				.48		FGV		.84				1.20				1.56				1.92		
.13				.49	1			.85				1.21				1.57				1.93		
.14				.50				.86				1.22				1.58				1.94		
.15				.51	2			.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	2	↓		.91				1.27				1.63				1.99		
.20				.56				.92				1.28				1.64				2.00		
.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				Organic matter Comp		
.37				.73				1.09				1.45				1.81				Exinite	Alginite	
.38				.74				1.10				1.46				1.82				0.3		
.39				.75				1.11				1.47				1.83						
.40	2	↑		.76				1.12				1.48				1.84						
.41	2			.77				1.13				1.49				1.85				Vitrinite	Inertinite	
.42	3			.78				1.14				1.50				1.86				96.5	1.0	
.43	1			.79				1.15				1.51				1.87						
.44	5			.80				1.16				1.52				1.88						
.45	2			.81				1.17				1.53				1.89						

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VITRINITE REFLECTANCE WORKSHEET

WELL NAME. # 1 P000157 SAMPLE NO. V405 DEPTH. 4650 - 4920' TYPE. Core

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	Ro %	No. Read	Pop Rnge
.10				.46	1			.82				1.18				1.54				1.90		
.11				.47	3			.83				1.19				1.55				1.91		
.12				.48	2			.84				1.20				1.56				1.92		
.13				.49	2	FGV		.85				1.21				1.57				1.93		
.14				.50	2			.86				1.22				1.58				1.94		
.15				.51				.87				1.23				1.59				1.95		
.16				.52	2			.88				1.24				1.60				1.96		
.17				.53				.89				1.25				1.61				1.97		
.18				.54	2			.90				1.26				1.62				1.98		
.19				.55				.91				1.27				1.63				1.99		
.20				.56	1			.92				1.28				1.64				2.00		
.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	1			.71				1.07				1.43				1.79						
.36				.72				1.08				1.44				1.80				Organic matter Comp		
.37				.73				1.09				1.45				1.81				Exinite		Alginite
.38				.74				1.10				1.46				1.82				0.6		
.39				.75				1.11				1.47				1.83						
.40	1			.76				1.12				1.48				1.84						
.41				.77				1.13				1.49				1.85				Vitrinite		Inertini
.42	2			.78				1.14				1.50				1.86				95.9		1.0
.43	3			.79				1.15				1.51				1.87						
.44	3			.80				1.16				1.52				1.88						
.45	2			.81				1.17				1.53				1.89						

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VITRINITE REFLECTANCE WORKSHEET

WELL NAME #1 P000157 SAMPLE NO V406 DEPTH 4920 - 5190' TYPE Conc.

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	Ro %	No. Read	Pop Rnge
.10				.46	2			.82				1.18				1.54				1.90		
.11				.47	1			.83				1.19				1.55				1.91		
.12				.48	1			.84				1.20				1.56				1.92		
.13				.49				.85				1.21				1.57				1.93		
.14				.50	3			.86				1.22				1.58				1.94		
.15				.51	5			.87				1.23				1.59				1.95		
.16				.52				.88				1.24				1.60				1.96		
.17				.53	3	FGV		.89				1.25				1.61				1.97		
.18				.54				.90				1.26				1.62				1.98		
.19				.55	2			.91				1.27				1.63				1.99		
.20				.56				.92				1.28				1.64				2.00		
.21				.57	1			.93				1.29				1.65						
.22				.58	1			.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	↓		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				Organic matter Comp		
.37				.73				1.09				1.45				1.81				Exinite		Alginite
.38				.74				1.10				1.46				1.82						
.39				.75				1.11				1.47				1.83				6.4		
.40				.76				1.12				1.48				1.84						
.41				.77				1.13				1.49				1.85				Vitrinite		Inertinit
.42	1	↑		.78				1.14				1.50				1.86						
.43	3			.79				1.15				1.51				1.87				94.1		1.0
.44	1			.80				1.16				1.52				1.88						
.45	1			.81				1.17				1.53				1.89						

Kelraville Konsultants Pty Ltd.

VITRINITE REFLECTANCE WORKSHEET

WELL NAME. #1 P000157 SAMPLE NO. Y407 DEPTH. 5190 - 5466' TYPE. Conc.

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	Ro %	No. Read	Pop Rnge
.10				.46	2			.82				1.18				1.54				1.90		
.11				.47	1			.83				1.19				1.55				1.91		
.12				.48	1			.84				1.20				1.56				1.92		
.13				.49	2			.85				1.21				1.57				1.93		
.14				.50	3			.86				1.22				1.58				1.94		
.15				.51	3			.87				1.23				1.59				1.95		
.16				.52	2			.88				1.24				1.60				1.96		
.17				.53	1	FGV		.89				1.25				1.61				1.97		
.18				.54	1			.90				1.26				1.62				1.98		
.19				.55	2			.91				1.27				1.63				1.99		
.20				.56				.92				1.28				1.64				2.00		
.21				.57	1			.93				1.29				1.65						
.22				.58				.94				1.30				1.66						
.23				.59				.95				1.31				1.67						
.24				.60	1			.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	↓		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				Organic matter Com		
.37				.73				1.09				1.45				1.81				Exinite		Alginit
.38				.74				1.10				1.46				1.82						
.39				.75				1.11				1.47				1.83				0.3		
.40	1	↑		.76				1.12				1.48				1.84						
.41				.77				1.13				1.49				1.85				Vitrinite		Inertin
.42				.78				1.14				1.50				1.86						
.43				.79				1.15				1.51				1.87				91.7		6.0
.44	1			.80				1.16				1.52				1.88						
.45	3			.81				1.17				1.53				1.89						

Kelraville Konsultants Pty Ltd.

VITRINITE REFLECTANCE WORKSHEET

WELL NAME: #1 P000157 SAMPLE NO. Y408 DEPTH: 5460-5730' TYPE: Conc.

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	Ro %	No. Read	Pop Rnge
.10				.46	1			.82				1.18				1.54				1.90		
.11				.47	3			.83				1.19				1.55				1.91		
.12				.48	2			.84				1.20				1.56				1.92		
.13				.49	1			.85				1.21				1.57				1.93		
.14				.50				.86				1.22				1.58				1.94		
.15				.51	1			.87				1.23				1.59				1.95		
.16				.52	1			.88				1.24				1.60				1.96		
.17				.53	2			.89				1.25				1.61				1.97		
.18				.54	1			.90				1.26				1.62				1.98		
.19				.55	1	FGV		.91				1.27				1.63				1.99		
.20				.56	3			.92				1.28				1.64				2.00		
.21				.57				.93				1.29				1.65						
.22				.58				.94				1.30				1.66						
.23				.59				.95				1.31				1.67						
.24				.60	1			.96				1.32				1.68						
.25				.61	1			.97				1.33				1.69						
.26				.62	1			.98				1.34				1.70						
.27				.63	1			.99				1.35				1.71						
.28				.64				1.00				1.36				1.72						
.29				.65	1			1.01				1.37				1.73						
.30				.66				1.02				1.38				1.74						
.31				.67	1	↓		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	2	↑		.79				1.15				1.51				1.87						
.44	1			.80				1.16				1.52				1.88						
.45	2			.81				1.17				1.53				1.89						

Organic matter Com	
Exinite	Alginit
0.2	
Vitrinite	Inertinl
95.3	1.0

Kelraville Konsultants Pty Ltd.

VITRINITE REFLECTANCE WORKSHEET

WELL NAME. #1 Poo0157 SAMPLE NO. V409 DEPTH. 5730 - 6000' TYPE. conc.

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	Ro %	No. Read	Pop Rnge
.10				.46				.82				1.18				1.54				1.90		
.11				.47	3			.83				1.19				1.55				1.91		
.12				.48	2			.84				1.20				1.56				1.92		
.13				.49	3			.85				1.21				1.57				1.93		
.14				.50	1			.86				1.22				1.58				1.94		
.15				.51	2	FGV		.87				1.23				1.59				1.95		
.16				.52	2			.88				1.24				1.60				1.96		
.17				.53	2			.89				1.25				1.61				1.97		
.18				.54	4			.90				1.26				1.62				1.98		
.19				.55	1			.91				1.27				1.63				1.99		
.20				.56				.92				1.28				1.64				2.00		
.21				.57				.93				1.29				1.65						
.22				.58				.94				1.30				1.66						
.23				.59	1			.95				1.31				1.67						
.24				.60				.96				1.32				1.68						
.25				.61	1			.97				1.33				1.69						
.26				.62	1	↓		.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				Organic matter Com		
.37				.73				1.09				1.45				1.81				Exinite		Alginit
.38				.74				1.10				1.46				1.82						
.39				.75				1.11				1.47				1.83				0.4		
.40				.76				1.12				1.48				1.84						
.41				.77				1.13				1.49				1.85				Vitrinite		Inertin
.42				.78				1.14				1.50				1.86						
.43				.79				1.15				1.51				1.87				93.1		0.5
.44				.80				1.16				1.52				1.88						
.45	1	↑		.81				1.17				1.53				1.89						

Kelraville Konsultants Pty Ltd.

VITRINITE REFLECTANCE WORKSHEET

WELL NAME #1 P000157. SAMPLE NO. V410 DEPTH 6000 - 6270' TYPE Core

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	Ro %	No. Read	Pop Rnge
.10				.46	1	↑		.82				1.18				1.54				1.90		
.11				.47	2	↑		.83				1.19				1.55				1.91		
.12				.48	2			.84				1.20				1.56				1.92		
.13				.49				.85				1.21				1.57				1.93		
.14				.50	2			.86				1.22				1.58				1.94		
.15				.51	1	FGV		.87				1.23				1.59				1.95		
.16				.52				.88				1.24				1.60				1.96		
.17				.53	9			.89				1.25				1.61				1.97		
.18				.54	2			.90				1.26				1.62				1.98		
.19				.55	4			.91				1.27				1.63				1.99		
.20				.56				.92				1.28				1.64				2.00		
.21				.57	1			.93				1.29				1.65						
.22				.58	2	↓		.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	Alginite
0.3	
Vitrinite	Inertinit
81.7	1.0

Kelraville Konsultants Pty Ltd.

Diffuse organic matter - 10%

VITRINITE REFLECTANCE WORKSHEET

WELL NAME. P200157 #1 - P200175 SAMPLE NO. V411 DEPTH. 6270 - 6540' TYPE. Conc.

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	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	1	↑		.84				1.20				1.56				1.92			
.13				.49	1			.85				1.21				1.57				1.93			
.14				.50	4			.86				1.22				1.58				1.94			
.15				.51	3			.87				1.23				1.59				1.95			
.16				.52	1			.88				1.24				1.60				1.96			
.17				.53	2			.89				1.25				1.61				1.97			
.18				.54	1			.90				1.26				1.62				1.98			
.19				.55	2			.91				1.27				1.63				1.99			
.20				.56	3	FGV		.92				1.28				1.64				2.00			
.21				.57				.93				1.29				1.65							
.22				.58	2			.94				1.30				1.66							
.23				.59	1			.95				1.31				1.67							
.24				.60	2			.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			1.01				1.37				1.73							
.30				.66	1	↓		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	↓		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				Organic matter Comp.(%)			
.37				.73				1.09				1.45				1.81				Exinite		Alginite	
.38				.74				1.10				1.46				1.82				0.2			
.39				.75				1.11				1.47				1.83							
.40				.76				1.12				1.48				1.84							
.41				.77				1.13				1.49				1.85				Vitrinite		Inertinite	
.42				.78				1.14				1.50				1.86				87.3		1.0	
.43				.79				1.15				1.51				1.87							
.44				.80				1.16				1.52				1.88							
.45				.81				1.17				1.53				1.89							

Kelraville Konsultants Pty Ltd.

Diffuse organic matter - 6.0

VITRINITE REFLECTANCE WORKSHEET

WELL NAME. #1 P000157 SAMPLE NO. Y412 DEPTH. 6540- 6810' TYPE. Conc.

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	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	1			.85				1.21				1.57				1.93			
.14				.50				.86				1.22				1.58				1.94			
.15				.51	3	↑		.87				1.23				1.59				1.95			
.16				.52	2			.88				1.24				1.60				1.96			
.17				.53	1			.89				1.25				1.61				1.97			
.18				.54	2			.90				1.26				1.62				1.98			
.19				.55	5			.91				1.27				1.63				1.99			
.20				.56	3			.92				1.28				1.64				2.00			
.21				.57				.93				1.29				1.65							
.22				.58	1			.94				1.30				1.66							
.23				.59	1			.95				1.31				1.67							
.24				.60	1	FGV		.96				1.32				1.68							
.25				.61	2			.97				1.33				1.69							
.26				.62	3			.98				1.34				1.70							
.27				.63				.99				1.35				1.71							
.28				.64				1.00				1.36				1.72							
.29				.65	1	↓		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	1	↑		.80				1.16				1.52				1.88							
.45				.81				1.17				1.53				1.89							

Organic matter Comp.(%)	
Exinite	Alginite
<0.1	
Vitrinite	Inertinite
89	1.0

Keiraville Konsultants Pty Ltd.

Diffuse organic matter - 6.0%

VITRINITE REFLECTANCE WORKSHEET

WELL NAME: #1 Pooolsz SAMPLE NO: Y413 DEPTH: 6810 - 7080' TYPE: Conc.

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	Ro %	No. Read	Pop Rnge	Pop Typ
.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	5	↑		.88				1.24				1.60				1.96			
.17				.53	3			.89				1.25				1.61				1.97			
.18				.54	2			.90				1.26				1.62				1.98			
.19				.55	2			.91				1.27				1.63				1.99			
.20				.56	1			.92				1.28				1.64				2.00			
.21				.57				.93				1.29				1.65							
.22				.58	2			.94				1.30				1.66							
.23				.59	1	FGV		.95				1.31				1.67							
.24				.60	3			.96				1.32				1.68							
.25				.61	1			.97				1.33				1.69							
.26				.62				.98				1.34				1.70							
.27				.63	1	↓		.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	1	↑		.68				1.04				1.40				1.76							
.33				.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				Organic matter Comp.(%)			
.37				.73				1.09				1.45				1.81				Exinite		Alginite	
.38	?	cavings		.74				1.10				1.46				1.82							
.39				.75				1.11				1.47				1.83				<0.1			
.40				.76				1.12				1.48				1.84							
.41				.77				1.13				1.49				1.85				Vitrinite		Inertinite	
.42				.78				1.14				1.50				1.86							
.43	1	↓		.79				1.15				1.51				1.87				88.5		1.0	
.44	2			.80				1.16				1.52				1.88							
.45				.81				1.17				1.53				1.89							

Kelraville Konsultants Pty Ltd.

Diffuse organic matter = 4%

VITRINITE REFLECTANCE WORKSHEET

WELL NAME #1 P000157 SAMPLE NO. V414 DEPTH 7080-7350' TYPE Cons.

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	Ro %	No. Read	Pop Rnge	Pop Ty
.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	1			.86				1.22				1.58				1.94			
.15				.51	1			.87				1.23				1.59				1.95			
.16				.52				.88				1.24				1.60				1.96			
.17				.53	1			.89				1.25				1.61				1.97			
.18				.54	1			.90				1.26				1.62				1.98			
.19				.55	1	? FGV		.91				1.27				1.63				1.99			
.20				.56	1			.92				1.28				1.64				2.00			
.21				.57				.93				1.29				1.65							
.22				.58				.94				1.30				1.66							
.23				.59				.95				1.31				1.67							
.24				.60	1			.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	1			.68				1.04				1.40				1.76							
.33	1			.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	2	? Ca	Vinq	.74				1.10				1.46				1.82							
.39				.75				1.11				1.47				1.83							
.40	2			.76				1.12				1.48				1.84							
.41				.77				1.13				1.49				1.85							
.42				.78				1.14				1.50				1.86							
.43	3		1FGV	.79				1.15				1.51				1.87							
.44				.80				1.16				1.52				1.88							
.45	1		1FGV	.81				1.17				1.53				1.89							

Organic matter Comp.(%)

Exinite	Alginite
<0.1	

Vitrinite	Inertinite
83	2.5

Kelraville Konsultants Pty Ltd.

Diffuse organic matter 6%

VITRINITE REFLECTANCE WORKSHEET

WELL NAME. #1 Poodle 57 SAMPLE NO. V415 DEPTH. 7350-7620' TYPE. Core

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	Ro %	No. Read	Pop Rnge	Pop Typ
.10				.46				.82				1.18				1.54				1.90			
.11				.47				.83				1.19				1.55				1.91			
.12				.48	1			.84				1.20				1.56				1.92			
.13				.49	1	↓		.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	2	↑		.91				1.27				1.63				1.99			
.20				.56	1			.92				1.28				1.64				2.00			
.21				.57	1	? FGV		.93				1.29				1.65							
.22				.58	2	↓		.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	1	↑		.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				Organic matter Comp.(%)			
.37	3			.73				1.09				1.45				1.81				Exinite		Alginite	
.38				.74				1.10				1.46				1.82							
.39				.75				1.11				1.47				1.83				<0.1			
.40	?		Cavin	.76				1.12				1.48				1.84							
.41				.77				1.13				1.49				1.85				Vitrinite		Inertinite	
.42	1	↑	2 FGV	.78				1.14				1.50				1.86							
.43	1			.79				1.15				1.51				1.87				87.3		1.0	
.44	1			.80				1.16				1.52				1.88							
.45			1 FGV	.81				1.17				1.53				1.89							

Kelraville Konsultants Pty Ltd.

Diffuse organic matter - 3%

VITRINITE REFLECTANCE WORKSHEET

WELL NAME #1 P000157 SAMPLE NO. V416 DEPTH 7620 - 7890' TYPE Conc

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	Ro %	No. Read	Pop Rnge	Pop Type
.10				.46	11			.82				1.18				1.54				1.90			
.11				.47				.83				1.19				1.55				1.91			
.12				.48	1			.84				1.20				1.56				1.92			
.13				.49				.85				1.21				1.57				1.93			
.14				.50	1			.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	1			.93				1.29				1.65							
.22				.58				.94				1.30				1.66							
.23				.59		FGV		.95				1.31				1.67							
.24				.60	1			.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	1			.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	?	cavings		.76				1.12				1.48				1.84							
.41	1			.77				1.13				1.49				1.85							
.42				.78				1.14				1.50				1.86							
.43	1			.79				1.15				1.51				1.87							
.44	2			.80				1.16				1.52				1.88							
.45				.81				1.17				1.53				1.89							

Organic matter Comp.(%)

Exinite	Alginite
0	
Vitrinite	**Inertinite**
61	30

Keiraville Konsultants Pty Ltd.

Diffuse organic matter - 15%

VITRINITE REFLECTANCE WORKSHEET

WELL NAME. #1 Pooo157 SAMPLE NO. V417 DEPTH. 7890 - 8160' TYPE. conc.

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	Ro %	No. Read	Pop Rnge	Pop Type
.10				.46	3			.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	1			.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	1			.92				1.28				1.64				2.00			
.21				.57	1			.93				1.29				1.65							
.22				.58	1			.94				1.30				1.66							
.23				.59				.95				1.31				1.67							
.24				.60				.96				1.32				1.68							
.25				.61	3			.97				1.33				1.69							
.26	1	↑		.62		FGV		.98				1.34				1.70							
.27				.63	1			.99				1.35				1.71							
.28				.64				1.00				1.36				1.72							
.29				.65	2			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			1.04				1.40				1.76							
.33				.69	1	↓		1.05				1.41				1.77							
.34	1			.70				1.06				1.42				1.78							
.35				.71				1.07				1.43				1.79							
.36	1			.72				1.08				1.44				1.80							
.37				.73				1.09				1.45				1.81							
.38	2			.74				1.10				1.46				1.82							
.39				.75				1.11				1.47				1.83							
.40	?	@ av	ings	.76				1.12				1.48				1.84							
.41	1			.77				1.13				1.49				1.85							
.42		↑	1	.78				1.14				1.50				1.86							
.43	1			.79				1.15				1.51				1.87							
.44				.80				1.16				1.52				1.88							
.45	1			.81				1.17				1.53				1.89							

Organic matter Comp.(%)

Exinite	Alginite
0	

Vitrinite	Inertinite
67	1.0

Kelraville Konsultants Pty Ltd.

Diffuse organic matter - 10%

GMC Data Report No. 135

Page 22/31

VITRINITE REFLECTANCE WORKSHEET

WELL NAME: #1 P00C157 SAMPLE NO. V418 DEPTH: 8160 - 8430' TYPE: Conc.

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	Ro %	No. Read	Pop Rnge	Pop Type
.10				.46	1			.82				1.18				1.54				1.90			
.11				.47	1		1 FGV	.83				1.19				1.55				1.91			
.12				.48				.84				1.20				1.56				1.92			
.13				.49	1			.85				1.21				1.57				1.93			
.14				.50				.86				1.22				1.58				1.94			
.15				.51	1			.87				1.23				1.59				1.95			
.16				.52				.88				1.24				1.60				1.96			
.17				.53	1			.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							
.22				.58				.94				1.30				1.66							
.23				.59		FGV		.95				1.31				1.67							
.24				.60	1			.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			1.00				1.36				1.72							
.29				.65	1			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	1			.72				1.08				1.44				1.80							
.37				.73				1.09				1.45				1.81							
.38	3			.74				1.10				1.46				1.82							
.39				.75				1.11				1.47				1.83							
.40	?	Cavi	ngs	.76				1.12				1.48				1.84							
.41				.77				1.13				1.49				1.85							
.42	2			.78				1.14				1.50				1.86							
.43	2			.79				1.15				1.51				1.87							
.44	1			.80				1.16				1.52				1.88							
.45	1			.81				1.17				1.53				1.89							

Organic matter Comp. (%)

Exinite	Alginite
0.3	
Vitrinite	**Inertinite**
83.7	1.0

Keiraville Konsultants Pty Ltd.

Diffuse organic matter = 5%

VITRINITE REFLECTANCE WORKSHEET 8430

WELL NAME #1 P000157 SAMPLE NO. Y419 DEPTH 8430 - 8700' TYPE Conc.

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	Ro %	No. Read	Pop Rnge	Pop Typ
.10				.46	1	↓		.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	1	↑		.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	2	↑		.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		FGV		.98				1.34				1.70							
.27				.63	1			.99				1.35				1.71							
.28				.64				1.00				1.36				1.72							
.29				.65				1.01				1.37				1.73							
.30				.66	1			1.02				1.38				1.74							
.31				.67				1.03				1.39				1.75							
.32				.68	1	↓		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				Organic matter Comp.(%)			
.37				.73				1.09				1.45				1.81				Exinite		Alginite	
.38	1	↑		.74				1.10				1.46				1.82				<0.1			
.39				.75				1.11				1.47				1.83							
.40	2			.76				1.12				1.48				1.84							
.41				.77				1.13				1.49				1.85				Vitrinite		Inertinite	
.42	1			.78				1.14				1.50				1.86				84		1.0	
.43	2	?caving		.79				1.15				1.51				1.87							
.44	2			.80				1.16				1.52				1.88							
.45	1			.81				1.17				1.53				1.89							

Kelraville Konsultants Pty Ltd.

Diffuse organic matter = 5.0

VITRINITE REFLECTANCE WORKSHEET

WELL NAME: #1 P000157 SAMPLE NO. Y420 DEPTH: 8700 - 8880' TYPE: Conc.

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	Ro %	No. Read	Pop Rnge	Pop Typ
.10				.46	1			.82				1.18				1.54				1.90			
.11				.47	1			.83				1.19				1.55				1.91			
.12				.48				.84				1.20				1.56				1.92			
.13				.49	1			.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	1	↓		.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	2	↑		.92				1.28				1.64				2.00			
.21				.57				.93				1.29				1.65							
.22				.58	1			.94				1.30				1.66							
.23				.59				.95				1.31				1.67							
.24				.60	2			.96				1.32				1.68							
.25				.61				.97				1.33				1.69							
.26				.62	1			.98				1.34				1.70							
.27				.63		FGV		.99				1.35				1.71							
.28				.64	1			1.00				1.36				1.72							
.29				.65	1			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	1	↑		.69	1			1.05				1.41				1.77							
.34				.70				1.06				1.42				1.78							
.35				.71	1	↓		1.07				1.43				1.79							
.36				.72				1.08				1.44				1.80							
.37	?	Cavi	ngs	.73				1.09				1.45				1.81							
.38				.74				1.10				1.46				1.82							
.39				.75				1.11				1.47				1.83							
.40	1			.76				1.12				1.48				1.84							
.41				.77				1.13				1.49				1.85							
.42	1			.78				1.14				1.50				1.86							
.43	2			.79				1.15				1.51				1.87							
.44	1			.80				1.16				1.52				1.88							
.45	2			.81				1.17				1.53				1.89							

Organic matter Comp. (%)	
Exinite	Alginite
<0.1	
Vitrinite	Inertinite
82	2.0

Kelraville Konsultants Pty Ltd.

Diffuse organic matter = 10%

VITRINITE REFLECTANCE WORKSHEET

WELL NAME. #1 Pocola7 SAMPLE NO. V421 DEPTH. 8880-9150' TYPE. Conc.

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	Ro %	No. Read	Pop Rnge	Pop Type
.10				.46	1	↓		.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							
.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	1	↑		.68				1.04				1.40				1.76							
.33	1	|		.69				1.05				1.41				1.77							
.34	3	|		.70				1.06				1.42				1.78							
.35		|		.71				1.07				1.43				1.79							
.36	1	|		.72				1.08				1.44				1.80				Organic matter Comp.(%)			
.37	1	|		.73				1.09				1.45				1.81				Exinite	Alginite		
.38	1	|		.74				1.10				1.46				1.82							
.39	2	|		.75				1.11				1.47				1.83				<0.1			
.40	1	|		.76				1.12				1.48				1.84							
.41		|		.77				1.13				1.49				1.85				Vitrinite	Inertinite		
.42	Caving	|	S	.78				1.14				1.50				1.86							
.43		|		.79				1.15				1.51				1.87				89.5	1.0		
.44		|		.80				1.16				1.52				1.88							
.45	3	|		.81				1.17				1.53				1.89							

Kelraville Konsultants Pty Ltd.

Diffuse organic matter - 3%

VITRINITE REFLECTANCE WORKSHEET

WELL NAME #1 Poo0157 SAMPLE NO. Y422 DEPTH 9150 - 9420' TYPE Conc.

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	Ro %	No. Read	Pop Rnge	Pop Type
.10				.46	2			.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	1			.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							
.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	1	↑		.69				1.05				1.41				1.77							
.34	2			.70				1.06				1.42				1.78							
.35	2			.71				1.07				1.43				1.79							
.36	2			.72				1.08				1.44				1.80							
.37				.73				1.09				1.45				1.81							
.38	3			.74				1.10				1.46				1.82							
.39	3			.75				1.11				1.47				1.83							
.40	3	?Cavings		.76				1.12				1.48				1.84							
.41	3			.77				1.13				1.49				1.85							
.42	3			.78				1.14				1.50				1.86							
.43	2			.79				1.15				1.51				1.87							
.44	1			.80				1.16				1.52				1.88							
.45	1			.81				1.17				1.53				1.89							

Organic matter Comp.(%)	
Exinite	Alginite
0.3	
Vitrinite	Inertinite
81.7	2.0

Kelraville Konsultants Pty Ltd.

Diffuse organic matter - 10

VITRINITE REFLECTANCE WORKSHEET

WELL NAME. #1 P000157 SAMPLE NO. V423 DEPTH. 9420-9690' TYPE. Conc.

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	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							
.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	1	↑		.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	28			.68				1.04				1.40				1.76							
.33				.69				1.05				1.41				1.77							
.34	2222			.70				1.06				1.42				1.78							
.35				.71				1.07				1.43				1.79							
.36				.72				1.08				1.44				1.80							
.37	1	?Cavings		.73				1.09				1.45				1.81							
.38	1			.74				1.10				1.46				1.82							
.39	3			.75				1.11				1.47				1.83							
.40	2222			.76				1.12				1.48				1.84							
.41				.77				1.13				1.49				1.85							
.42	1			.78				1.14				1.50				1.86							
.43				.79				1.15				1.51				1.87							
.44	22			.80				1.16				1.52				1.88							
.45	1	↓		.81				1.17				1.53				1.89							

Organic matter Comp.(%)

Exinite	Alginite
1.0	

Vitrinite	Inertinite
65.5	2.0

Kelraville Konsultants Pty Ltd.

Diffuse organic matter 20%

VITRINITE REFLECTANCE WORKSHEET

WELL NAME # 1 P000157 SAMPLE NO. V424 DEPTH 9690 - 9960' TYPE Corx.

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
.10				.46	1			.82			
.11				.47				.83			
.12				.48	1			.84			
.13				.49	1			.85			
.14				.50				.86			
.15				.51	1			.87			
.16				.52	2			.88			
.17				.53				.89			
.18				.54				.90			
.19				.55				.91			
.20				.56				.92			
.21				.57				.93			
.22				.58				.94			
.23				.59				.95			
.24				.60				.96			
.25				.61				.97			
.26				.62				.98			
.27				.63				.99			
.28				.64				1.00			
.29				.65				1.01			
.30				.66				1.02			
.31	1			.67				1.03			
.32				.68				1.04			
.33	1			.69	1	?/RG	V	1.05			
.34	1			.70				1.06			
.35	1			.71				1.07			
.36				.72				1.08			
.37	1			.73				1.09			
.38	2			.74				1.10			
.39	5			.75	1			1.11			
.40	2	?Cavi	ngs	.76				1.12			
.41	1			.77				1.13			
.42	2			.78				1.14			
.43	1			.79				1.15			
.44	1			.80				1.16			
.45				.81				1.17			

Ro %	NO. Read	Pop Rnge	Pop Type	Ro %	No. Read	Pop Rnge	Pop Type	Ro %	No. Read	Pop Rnge	Pop Type
1.18				1.54				1.90			
1.19				1.55				1.91			
1.20				1.56				1.92			
1.21				1.57				1.93			
1.22				1.58				1.94			
1.23				1.59				1.95			
1.24				1.60				1.96			
1.25				1.61				1.97			
1.26				1.62				1.98			
1.27				1.63				1.99			
1.28				1.64				2.00			
1.29				1.65							
1.30				1.66							
1.31				1.67							
1.32				1.68							
1.33				1.69							
1.34				1.70							
1.35				1.71							
1.36				1.72							
1.37				1.73							
1.38				1.74							
1.39				1.75							
1.40				1.76							
1.41				1.77							
1.42				1.78							
1.43				1.79							
1.44				1.80							
1.45				1.81							
1.46				1.82							
1.47				1.83							
1.48				1.84							
1.49				1.85							
1.50				1.86							
1.51				1.87							
1.52				1.88							
1.53				1.89							

Organic matter Comp. (%)

Exinite	Alginite
0.3	
Vitrinite	**Inertinite**
71.7	1.0

Keiraville Konsultants Pty Ltd.

Diffuse organic matter 15%

VITRINITE REFLECTANCE WORKSHEET

WELL NAME #1 P000157 SAMPLE NO. Y425 DEPTH 9960 - 10230' TYPE Conc.

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	Ro %	No. Read	Pop Rnge	Pop Type
.10				.46	3	|		.82				1.18				1.54				1.90			
.11				.47	2	|		.83				1.19				1.55				1.91			
.12				.48	2	|		.84				1.20				1.56				1.92			
.13				.49	1	|		.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	1	|		.88				1.24				1.60				1.96			
.17				.53	1	↓		.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							
.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	1	↑		.99				1.35				1.71							
.28				.64				1.00				1.36				1.72							
.29				.65	1	↑		1.01				1.37				1.73							
.30				.66				1.02				1.38				1.74							
.31				.67		FGV		1.03				1.39				1.75							
.32				.68	1	↓		1.04				1.40				1.76							
.33				.69				1.05				1.41				1.77							
.34	1	↑		.70				1.06				1.42				1.78							
.35				.71				1.07				1.43				1.79							
.36				.72				1.08				1.44				1.80				Organic matter Comp.(%)			
.37	1			.73				1.09				1.45				1.81				Exinite		Alginite	
.38	1			.74				1.10				1.46				1.82				0.2			
.39	1			.75				1.11				1.47				1.83							
.40	2	?FGV	Inqs	.76				1.12				1.48				1.84							
.41	3			.77				1.13				1.49				1.85				Vitrinite		Inertinite	
.42	3			.78				1.14				1.50				1.86				66.8		1.0	
.43				.79				1.15				1.51				1.87							
.44	2			.80				1.16				1.52				1.88							
.45	1			.81				1.17				1.53				1.89							

Kelraville Konsultants Pty Ltd.

Diffuse organic matter = 20%

VITRINITE REFLECTANCE WORKSHEET

WELL NAME #1 P000157 SAMPLE NO. V426 DEPTH 10230 - 10500' TYPE Core

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	Ro %	No. Read	Pop Rnge	Pop Type
.10				.46	12			.82				1.18				1.54				1.90			
.11				.47	2			.83				1.19				1.55				1.91			
.12				.48				.84				1.20				1.56				1.92			
.13				.49	2			.85				1.21				1.57				1.93			
.14				.50	1	↓		.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							
.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	3	↑		.69				1.05				1.41				1.77							
.34				.70				1.06				1.42				1.78							
.35	1			.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	2			.75				1.11				1.47				1.83							
.40	4	?Cavings		.76				1.12				1.48				1.84							
.41				.77				1.13				1.49				1.85							
.42	1			.78				1.14				1.50				1.86							
.43	2			.79				1.15				1.51				1.87							
.44	1			.80				1.16				1.52				1.88							
.45	3			.81				1.17				1.53				1.89							

Organic matter Comp.(%)

Exinite	Alginite
0.1	

Vitrinite	Inertinite
61.	1.0

Diffuse organic matter 20 %

Kelraville Konsultants Pty Ltd.

GMC Data Report No. 135

Page 31/31

VITRINITE REFLECTANCE WORKSHEET

WELL NAME: #1 P000157 SAMPLE NO. V427 DEPTH: 10500' - 10700' TYPE: conc.

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	Ro %	No. Read	Pop Rnge	Pop Type
.10				.46				.82				1.18				1.54				1.90			
.11				.47	1			.83				1.19				1.55				1.91			
.12				.48	1			.84				1.20				1.56				1.92			
.13				.49	1			.85	1	↓		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	1			.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	1	↓		.92				1.28				1.64				2.00			
.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	2	↑		1.03				1.39				1.75							
.32	1	↑		.68				1.04				1.40				1.76							
.33				.69				1.05				1.41				1.77							
.34				.70	1			1.06				1.42				1.78							
.35				.71				1.07				1.43				1.79							
.36	1			.72				1.08				1.44				1.80							
.37				.73		FGV		1.09				1.45				1.81							
.38	1			.74				1.10				1.46				1.82							
.39	1			.75	1			1.11				1.47				1.83							
.40		?Cav	ings	.76				1.12				1.48				1.84							
.41	2			.77	1			1.13				1.49				1.85							
.42	1			.78				1.14				1.50				1.86							
.43	1			.79				1.15				1.51				1.87							
.44				.80				1.16				1.52				1.88							
.45	2			.81				1.17				1.53				1.89							

Organic matter Comp.(%)

Exinite	Alginite
0	

Vitrinite	Inertinite
66	3.0

Kelraville Konsultants Pty Ltd.

Diffuse organic matta - 10%