



W964. WILSON-1. W.C.R. Vol 1 of 2.

PEP 105
OTWAY BASIN

WILSON NO. 1

WELL COMPLETION REPORT
TEXT & APPENDICES

08 MAR 1988

BY
B. RAYNER
FEBRUARY
1988

08

1988



BEACH PETROLEUM N.L.

(Incorporated in South Australia)

08 MAR 1988

PETROLEUM DIVISION

WILSON NO. 1.

WELL COMPLETION REPORT

by

B.L. RAYNER

For : Beach Petroleum N.L.
685 Burke Road,
CAMBERWELL.....3124
VICTORIA.

February 1988.

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1. Composite Well Log.
2. Exlog Mud Log.
3. Schlumberger Wireline Logs.

<u>Log</u>	<u>Run No.</u>	<u>Scale</u>
GR-Cal (Bore Hole Profile)	1	1:200
GR-Cal (Bore Hole Profile)	2	1:200
DLL-MSFL-GR	1	1:200
DLL-MSFL-GR	1	1:500
LDL-CNL-NGT	1	1:200 & 1:500
Mean Square Dip	1	1:200
Mean Square Dip	1	1:500
BHC-GR	1	1:200
BHC-GR	1	1:500
Cyberlook	1	1:200
Cyberlook (Sonic Porosity)	1	1:200
Cyberlitho	1	1:200
Geogram		
Seismic Calibration Log		

APPENDIX 7

APPENDIX 7

Maturation and Source Rock Analysis

WILSON NO.1

A1/1

K.K. No.	Depth (m)	\bar{R}_V max	Range	N	Description Including Exinite Fluorescence
x7008	985 Core	0.39	0.30-0.45	31	Rare to sparse ?phytoplankton, greenish yellow to dull yellow, rare sporinite, yellow, rare resinite, greenish yellow. (Sandy siltstone. Dom abundant, V>I>E. Vitrinite abundant, inertinite common, exinite rare to sparse. Diffuse humic organic matter abundant. Pyrite abundant.)
x7009	1195 Core \bar{R}_I	0.38	-	1	Rare liptodetrinite, greenish yellow to dull yellow. (Sandy claystone. Dom sparse, I>E>V. Inertinite sparse, exinite and vitrinite rare. Iron oxide rare. Iron oxide rare to sparse. Pyrite common.)
x7010	1210 Core	0.57	-	1	Exinite absent. (Impure sandstone with angular quartz grains. Dom rare, V. Vitrinite rare, inertinite and exinite absent. Glauconite major, siderite abundant. Pyrite common.)
x7011	1281 Core \bar{R}_I	0.55 1.04	0.43-0.63 0.72-1.94	7 25	Rare phytoplankton/liptodetrinite, orange to dull orange. (Impure sandstone>claystone. Dom common, I>V>E. Inertinite common, vitrinite and exinite rare. Siderite common. Abundant micrinite in some vitrinite. Pyrite common.)

VITRINITE REFLECTANCE WORKSHEET

WELL NAME Wilson-1

SAMPLE NO. X 7008

DEPTH 985 m

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				.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	1	↑		.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	1			.70				1.06				1.42				1.78							
.35	5			.71				1.07				1.43				1.79							
.36	1			.72				1.08				1.44				1.80							
.37	4	FGV		.73				1.09				1.45				1.81							Organic matter Comp. (%)
.38	2			.74				1.10				1.46				1.82							Exinite
.39	3			.75				1.11				1.47				1.83							Alginite
.40	7			.76				1.12				1.48				1.84							
.41	1			.77				1.13				1.49				1.85							Vitrinite
.42				.78				1.14				1.50				1.86							Inertinite
.43	3			.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							

VITRINITE REFLECTANCE WORKSHEET

WELL NAME Wilson-1

SAMPLE NO. X7009

DEPTH 1195m

TYPE Cove

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	I			1.54	I			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	I			1.22	I			1.58				1.94			
.15				.51				.87				1.23				1.59				1.95			
.16				.52				.88				1.24				1.60	I	↓		1.96			
.17				.53				.89				1.25				1.61				1.97			
.18				.54				.90	I			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	I	INERTINITE		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	I			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	I	FGV		.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	2	↑		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

<0.1

Vitrinite Inertinite

<0.1

0.2

VITRINITE REFLECTANCE WORKSHEET

WELL NAME Wilson-1

SAMPLE NO. X7010

DEPTH 1210m

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				.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	1	?FGV		.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
.38				.74				1.10				1.46				1.82							Alginite
.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
.42				.78				1.14				1.50				1.86							Inertinite
.43				.79				1.15				1.51				1.87							<0.1
.44				.80				1.16				1.52				1.88							○
.45				.81				1.17				1.53				1.89							

VITRINITE REFLECTANCE WORKSHEET

WELL NAME Wilson - 1

SAMPLE NO. X7011

DEPTH 1281m

TYPE Core

FGV = First Generation Vitrinite 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
.10				.46				.82	1			1.18				1.54				1.90			
.11				.47				.83				1.19				1.55				1.91			
.12				.48				.84	3			1.20	1			1.56				1.92			
.13				.49				.85				1.21				1.57				1.93			
.14				.50	1			.86				1.22				1.58				1.94	1	↓	
.15				.51				.87				1.23				1.59				1.95			
.16				.52				.88	2			1.24	1			1.60				1.96			
.17				.53				.89				1.25				1.61				1.97			
.18				.54	1			.90	3			1.26				1.62				1.98			
.19				.55		FGV		.91				1.27				1.63				1.99			
.20				.56	1			.92	1			1.28				1.64				2.00			
.21				.57				.93				1.29				1.65							
.22				.58	1			.94	1			1.30				1.66							
.23				.59	1			.95				1.31				1.67							
.24				.60				.96	1			1.32				1.68							
.25				.61				.97				1.33				1.69							
.26				.62				.98	1			1.34	2			1.70							
.27				.63	1	↓		.99				1.35				1.71							
.28				.64				1.00	1			1.36	1			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	↑		1.08				1.44				1.80							Organic matter Comp. (%)
.37				.73				1.09				1.45				1.81							Exinite
.38				.74				1.10				1.46				1.82							Alginite
.39				.75				1.11				1.47				1.83							<0.1
.40				.76		INERTINITE		1.12				1.48				1.84							0
.41				.77				1.13				1.49				1.85							Vitrinite
.42				.78	1			1.14	1			1.50	1			1.86							Inertinite
.43	1	↑		.79				1.15				1.51				1.87							<0.1
.44				.80	1			1.16				1.52				1.88							1.5
.45				.81				1.17				1.53				1.89							

WILSON NO. 1

KK No.	Depth (m)	TOC
x7008	985	1.99%
x7009	1195	0.53%
x7010	1210	0.22%
x7011	1281	0.75%