



BEACH PETROLEUM N.L.

(Incorporated in South Australia)

TEXT

W935

NATJABA-1

W.C.R

PETROLEUM DIVISION

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BEACH PETROLEUM N.L.

NAJABA NO. 1A-PEP 118

WELL COMPLETION REPORT

BY:

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SOURCE ROCK STUDIES

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K.K. No.	Depth (m)	\bar{R}_V max	Range	N	Description Including Exinite Fluorescence
Dilwyn Formation 314m					
x5418	1038 SWC 21	0.34	0.29-0.41	28	Sparse liptodetrinite, greenish yellow to orange, sparse resinite, bright yellow to orange, rare to sparse cutinite, yellow to orange, rare sporinite, bright yellow to yellow orange. (Siltstone. Dom common to abundant, V>E>I. Vitrinite common, exinite sparse, inertinite rare. Iron oxides abundant. Pyrite common.)
Pember Mudstone Member 1088m					
x5419	1217 SWC 18	0.34	0.29-0.40	20	Sparse liptodetrinite, bright yellow to orange, rare cutinite and sporinite, yellow to orange. (Siltstone>>sandstone. Dom common, V>E>I. Vitrinite and exinite sparse, inertinite rare. Carbonate sparse. Iron oxides abundant. Pyrite common.)
Intra-Pember Sandstone 1294m					
x5420	1400 SWC 10	0.38	0.31-0.45	26	Sparse liptodetrinite and sporinite, greenish yellow to yellow orange, rare resinite and sporinite, yellow. (Siltstone>>sandstone. Dom common, V>E>I. Vitrinite and exinite sparse, inertinite rare. Sparse ?bitumen as lenses, yellow. Iron oxides abundant. Pyrite common.)
Pebble Point Formation 1405m					
x5421	1485 SWC 3 \bar{R}_I	0.52	0.33-0.70	24	Sparse cutinite, yellow, yellow orange to orange, rare sporinite, yellow orange to orange, rare resinite, yellow to yellow orange, rare fluorinite, green, rare ?phytoplankton, yellow. (Sandstone>silty sandstone>siltstone. Dom abundant, I>V>E. Inertinite abundant, vitrinite and exinite sparse. Pyrite abundant to major, pyritized wood being present. The reflectance range of the vitrinite is unusually large and some may be reworked but a definitive cut-off from normal vitrinite could not be recognized.)
		1.16	0.74-1.74	14	
Paaratte Formation 1487m					
Nullawarre Equivalent 2040m					
x5532	2186.5 SWC 29	0.68	0.62-0.73	8	Sparse liptodetrinite and rare to sparse sporinite, yellow to orange, rare cutinite, yellow to orange. (Sandstone>siltstone>>carbonate. Dom abundant, I>E>V. Inertinite abundant, exinite sparse, vitrinite rare. Pyrite abundant.)
Basal Paaratte (Undiff) 2377m					
x5533	2425.5 SWC 27 \bar{R}_I	0.74	0.64-0.85	17	Sparse sporinite and rare liptodetrinite, yellow to orange, rare cutinite, orange to dull orange, rare resinite, yellow. (Sandstone>carbonate>siltstone. Dom abundant, I>E>V. Inertinite common, exinite and vitrinite sparse. Iron oxides sparse. Pyrite abundant.)
		1.43	1.02-1.96	15	

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K.K. No.	Depth (m)	\bar{R}_{Vmax}	Range	N	Description Including Exinite Fluorescence
Belfast Mudstone 2650m					
x5534	2651	0.75	0.67-0.82	11	Sparse sporinite, yellow to orange, rare to sparse liptodetrinite, yellow to orange, rare cutinite, yellow orange. (Siltstone>calcareous sandstone>carbonate. Dom abundant, I>E>V. Inertinite abundant, exinite sparse, vitrinite rare to sparse. Iron oxides sparse. Pyrite abundant.)
	SWC 23 \bar{R}_I	1.45	1.04-1.96	15	
x5535	2722	0.75	0.62-0.91	20	Sparse liptodetrinite and rare sporinite, yellow to orange, rare cutinite, orange. (Sandy siltstone>sandstone>carbonate. Dom abundant, I>V>or=E. Inertinite abundant, vitrinite and exinite sparse. Iron oxides common. Pyrite abundant.)
	SWC 21 \bar{R}_I	1.44	0.98-1.86	15	
x5536	2997	0.65	-	1	Sparse liptodetrinite, yellow, rare sporinite, yellow orange, rare cutinite, orange. (Claystone>siltstone. Dom sparse to common, I>E>V. Inertinite and exinite sparse, vitrinite rare. Pyrite rare.)
	SWC 14 \bar{R}_I	1.24	0.92-1.90	17	
x5537	3130	0.58	-	? 1	Rare liptodetrinite and sporinite, yellow to orange. (Carbonate>claystone>siltstone. Dom common, I>E>V. Inertinite common, exinite and vitrinite rare. Pyrite rare.)
	SWC 10 \bar{R}_I	1.35	1.06-1.64	32	
x5538	3251	0.71	0.69-0.72	2	Sparse sporinite, orange yellow to orange, rare cutinite, yellow orange. (Claystone>siltstone. Dom sparse to common, E>I>V. Exinite and inertinite sparse, vitrinite rare. Pyrite rare.)
	SWC 6 \bar{R}_I	1.28	1.06-1.46	11	
x5539	3386 SWC 2	0.35	0.73-0.95	5	Rare ?liptodetrinite, yellow to orange, rare ?sporinite and ?cutinite, yellow to dull orange. (Silty sandstone>sandy siltstone. Dom sparse I>V>?E. Inertinite sparse, vitrinite and ?exinite rare. Vitrinite shows dull orange to brown fluorescence. Rare green oil droplets and specks present. Green interstitial oil present. Iron oxides sparse. Carbonate and siderite sparse. Pyrite sparse.)
x5503	3405 Unwashed Ctgs	0.30	0.69-0.90	27	Rare sporinite, yellow orange. (Sandstone>>carbonate>sandy siltstone>claystone>coal. Coal sparse, vitrinite. Overall dom sparse, I>V>E. Inertinite sparse, vitrinite and exinite rare. Vitrinite shows weak brown fluorescence. Green fluorescing interstitial ?oil sparse in clastics. Green fluorescing oil droplets rare in clastics. Weak oil cut from cracks in vitrinite in coal. Dom abundant in hand-picked grains of carbonaceous siltstone and claystone, I>E>V. Inertinite and exinite abundant, vitrinite common. Iron oxides sparse. Pyrite common.)

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KK No.	Depth (m)	TOC
x5418	1038	3.28
x5419	1217	1.47
x5420	1400	1.10
x5421	1485	2.11
x5532	2186.5	1.14
x5533	2425.5	1.70
x5534	2651	2.05
x5535	2722	1.25
x5536	2997	0.38
x5537	3130	0.60
x5538	3251	0.55
x5539	3386	0.37