W811

BEACH PETROLEUM N.L.

GREENBANKS NO. 1

PEP 105

WELL COMPLETION REPORT

WCR GREENBANKS-1

BEACH PETROLEUM N.L.
(Incorporated in South Australia)

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PEP 105

WELL COMPLETION REPORT

BY:

A. TABASSI

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APPENDIX NO. 7

SOURCE ROCK STUDIES

RESULT

BY:

A.C. COOK

GREEN BANKS NO. 1

K.K. No.	Depth (m)	$\bar{R}_v$max	Range	N	Exinite Fluorescence (Remarks)
17720	454 SWC 20	0.21	0.19-0.23	3	Rare to sparse liptodetrinite, greenish yellow to dull orange, rare dinoflagellates, greenish yellow and rare sporinite, orange to dull orange. (Claystone>sandstone. D.o.m. sparse, I>E>V. Vitrinite, inertinite and exinite rare. Common carbonate and pyrite. Abundant ?glauconite.)
17721	527 SWC 19	0.28	0.24-0.36	6	Rare to sparse liptodetrinite, orange to dull orange, rare sporinite, yellow to dull orange, rare cutinite, yellow and rare dinoflagellates, greenish yellow. (Siltstone. D.o.m. sparse, I>E>V. Vitrinite rare. Inertinite and exinite sparse.)
17722	527 Ctgs	0.35	0.25-0.49	10	Rare to sparse dinoflagellates/acritarchs, greenish yellow, rare sporinite, yellowish orange to dull orange and rare resinite, bright yellow. (Claystone> sandstone. D.o.m. common, I>E>V. Vitrinite and exinite sparse. Inertinite common. Abundant sparry carbonate. Abundant pyrite.)
17723	610 SWC 17	0.42	0.37-0.49	3	Rare to sparse liptodetrinite, yellow to orange, rare sporinite, cutinite and resinite, yellow and rare dinoflagellates, orange. (Siltstone>claystone with coaly intraclasts of clarite. D.o.m. sparse, E>I>V. Vitrinite and inertinite rare. Exinite sparse. Common iron oxides.)
17724	755.5 SWC 15	0.42	0.40-0.43	2	Common to abundant dinoflagellates, yellow to orange, rare cutinite, yellow and rare alginite A, bright yellow. (Claystone. D.o.m. common, E>V>or=I. Vitrinite and inertinite rare. Exinite common.)
17725	870 SWC 13	0.38	0.34-0.43	4	Rare sporinite and cutinite and rare to sparse dinoflagellates, yellow to orange. (Claystone with coaly intraclasts of clarite and duroclarite. Sporinite common in coal. D.o.m. sparse, E>I>V. Vitrinite and inertinite rare. Exinite sparse. Sparse iron oxides.)
17726	1000 SWC 11	0.41	0.35-0.45	4	Rare to sparse dinoflagellates, yellow to orange and rare sporinite, orange to dull orange. (Claystone with coaly intraclasts of clarite>siltstone>sandstone. D.o.m. sparse, I>E>V. Inertinite sparse, exinite rare to sparse, vitrinite rare. Common iron oxides. Rare pyrite.)
17727	1100 SWC 8	0.43	0.38-0.47	2	Rare cutinite and sporinite, yellowish orange to orange and rare liptodetrinite, yellow to orange. (Siltstone. D.o.m. rare, E>I>V. Vitrinite, inertinite and exinite rare. Sparse iron oxides.)

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K.K. No.	Depth (m)	$\bar{R}_v$max	Range	N	Exinite Fluorescence (Remarks)
17728	1204.5 SWC 5	0.47	0.34-0.54	7	Sparse dinoflagellates, greenish yellow to orange, rare to sparse cutinite, orange and rare sporinite, orange to dull orange. (Claystone. D.o.m. common, Vitrinite rare to common. Inertinite and exinite sparse to common.)
* 17729	1207 Ctgs	0.55	0.44-0.66	27	Sample severely heat altered by drying process. Sparse to common sporinite, yellow to dull orange, sparse to common cutinite, yellowish orange to brown, rare resinite, dull orange and rare to sparse suberinite, brown. (Coal>sandstone>shaly coal>claystone. Coal abundant, V>I>E. Duroclarite>clarodurite>vitrite> clarite=fusite. Shaly coal abundant, I>V>E. D.o.m. rare, V=I>E. Rare pyrite.)
* 17776	1207 Ctgs	0.45	0.35-0.57	34	Abundant sporinite and cutinite, yellow to dull orange, rare resinite, yellow, rare fluorinite, green and sparse suberinite, brown. (Coal>siltstone>sandstone> claystone. Coal abundant, V>E>I. Duroclarite>claro-durite>fusite=clarite. D.o.m. common, V>or=E>I. Vitrinite and exinite common. Inertinite sparse. Rare pyrite.)

* These two samples are virtually from the same depth.

- The first sample is a washed and oven-dried cutting sample which was thought to be heat altered by the drying process.

- The other sample is an unwashed air-dried cutting sample which was analysed to determine whether the first sample has been affected by the drying process.

The result confirmed that the drying process has effected both the Vitrinite Reflectance and the type of organics.

GREEN BANKS NO. 1

Sample No.	Depth (m)	Total Organic Carbon
17720	454 SWC 20	0.94
17721	527 SWC 19	1.66
17722	527 Cuttings	0.86
17723	610 SWC 17	0.37
17724	755.5 SWC 15	0.77
17725	870 SWC 13	0.48
17726	1000 SWC 11	0.45
17727	1100 SWC 8	0.44
17728	1204.5 SWC 5	0.98
17729	1207.0 Cuttings	19.40
17766	1207 Cuttings	20.80