

4.6 Log Analysis

Summary

King 1 was drilled in T/18P located approximately 2km SW and 33m updip from Cormorant 1. The primary objective of King 1 was to appraise the reservoir quality and hydrocarbon potential of the upper Eastern View Coal Measures (EVCM).

Log interpretation was performed by SAGASCO Resources Ltd over the interval 1250-2210m using the HRI-MSFL-LSS-GR and DSN-SDL suites of logs. The well was not zoned. A tabular listing of the interpreted log analysis is attached and an analog plot of the data is presented.

The result of log analysis and SFT's failed to indicate the presence of producible hydrocarbons. King 1 was plugged and abandoned.

1 Net Hydrocarbon Pay Summary

No net hydrocarbon pay >0.5m was observed in King 1.

2 Net Pay Criteria

Porosity (ϕ)	>	8%
Shale Volume (Vsh)	<	35%
Water Saturation (Sw)	<	50%

3 Interpretation Method

Environmentally and depth corrected log readings were quantitatively evaluated using a deterministic log interpretation method.

PARAMETER	DERIVATION
Porosity (ϕ)	Neutron-Density Crossplot (using Coal Flag)
Shale Volume (Vsh)	Gamma Ray Method (Tertiary) (SP used over Coals)
True Resistivity (Rt)	High Resolution Deep Induction Log
Shale Resistivity (Rsh)	10 Ω /m
Water Saturation (Sw)	Simandoux
Tortuosity Factor (a)	0.8
Saturation Exponent (n)	2.0
Cementation Exponent (m)	2.08 (From T.Log)