

Appendix 18

Proposed Sinclair Unit No. 7

LYLETON / THREE FORKS FORMATION ROCK & FLUID PARAMETERS

Formation Pressure	9500 kPa	Initial Average Reservoir Pressure
Formation Temperature	30°C	
Saturation Pressure	2,034 Kpa	Bubble Point
GOR	6 - 10 m3/m3	Gas Oil Ratio
API Oil Gravity	40	
Swi (fraction)	0.40	Initial Water Saturation
Produced Water Specific Gravity	1.08	
Produced Water pH	7.1 - 7.3	
Produced Water TDS	125,000	
Wettability	Moderately oil-wet	
Average Air Permeability*	Middle Bakken Lyleton A 1.14 mD Lyleton B 3.35 mD 3.70 mD	Wt. Average Core Data
Average Porosity (fraction)*	Middle Bakken Lyleton A 0.160 Lyleton B 0.162 0.160	Wt. Average Core Data

* Wt ave from all MBKKN/Lyleton cores in Sections 14, 15 and S23-8-28W1M.