File Describing How Porosity was Determined and Assigned to Numerical Model

Log porosity and permeability were calculated utilizing seven historical oil and gas wells within the AoR. The log data available in these wells is summarized on **Table 1** below:

Porosity was modeled using the fine-scale porosity logs from seven wells with porosity logs within the AoR**.** Of the porosity logs identified, three had density logs and four had sonic logs. [redacted]

Table 1. Log Porosity and Permeability

No.	Well Name	API	RES	DEN	GR	SONIC	NEUT	SP
1	[redacted]	[redacted]	YES	YES	YES	YES	YES	YES
2	[redacted]	[redacted]	YES	YES	YES	NO	YES	NO
3	[redacted]	[redacted]	YES	YES	YES	NO	YES	YES
4	[redacted]	[redacted]	YES	YES	YES	NO	YES	YES
5	[redacted]	[redacted]	YES	NO	YES	YES	NO	YES
6	[redacted]	[redacted]	YES	YES	YES	NO	NO	YES
7	[redacted]	[redacted]	YES	NO	YES	YES	NO	YES

Notes: RES - Resistivity Log; DEN - Density Log; GR - Gamma Ray Log; SONIC - Sonic Log; NEUT - Neutron Density Log; SP - Spontaneous Potential Log