Capillary Pressure Curve (Mercury Intrusion) Test Report

(Sample-SS2)

Wells: Huangliu Formation, Yinggehai Basin, South China Sea.

1. Petrophysical properties:

Oilfield:	/	Sample ID:	SS2
Depth, m:	3086.40		
Formation:	/	Permeability, $10^{-3}\mu m^2$:	62.2
Porosity, %:	19.1		

2. Capillary Pressure Curve

ID	Intrusion				Extrusion			
	Pressure MPa	3D Pore-throat radius μm	*J*-function	Mercury saturation %	Pressure MPa	3D Pore-throat radius μm	*J*-function	Mercury saturation %
1	0.004	192.54	0.006	0.00	29.750	0.025	44.794	77.23
2	0.009	84.83	0.013	0.12	19.842	0.037	29.875	77.11
3	0.014	53.61	0.021	0.35	14.958	0.049	22.522	77.11
4	0.024	30.92	0.036	0.35	11.968	0.061	18.019	76.81
5	0.034	21.85	0.051	0.47	9.953	0.074	14.986	76.64
6	0.044	16.82	0.066	0.59	7.902	0.093	11.898	76.06
7	0.054	13.68	0.081	0.70	4.980	0.148	7.498	75.47
8	0.074	9.954	0.111	0.70	2.011	0.366	3.029	73.24
9	0.095	7.727	0.143	0.70	1.519	0.484	2.288	72.42
10	0.122	6.008	0.184	1.06	0.943	0.780	1.420	71.01
11	0.150	4.908	0.226	16.31	0.488	1.507	0.735	69.48
12	0.201	3.655	0.303	36.97	0.247	2.978	0.372	67.84
13	0.307	2.399	0.462	46.83	0.194	3.786	0.292	67.02
14	0.494	1.490	0.743	52.46	0.150	4.912	0.225	66.08
15	0.989	0.744	1.489	57.16	0.119	6.198	0.179	65.26
16	1.477	0.498	2.224	59.27	0.081	9.111	0.122	63.88
17	1.985	0.371	2.989	60.91	0.067	11.05	0.100	63.38
18	4.981	0.148	7.500	65.61	0.048	15.19	0.073	62.56
19	7.889	0.093	11.879	67.96	0.038	19.30	0.057	61.38
20	9.933	0.074	14.955	69.01	0.029	25.47	0.043	60.21
21	11.861	0.062	17.860	70.07	0.019	39.50	0.028	57.51
22	14.875	0.049	22.397	71.60	0.009	80.03	0.014	52.35
23	19.878	0.037	29.930	73.83	0.004	182.51	0.006	48.12
24	29.750	0.025	44.794	77.23				