Capillary Pressure Curve (Mercury Intrusion) Test Report

(Sample-SS1)

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

1. Petrophysical properties:

Oilfield:	/	Sample ID:	SS1
Depth, m:	3280.50		
Formation:	Huangliu Formation	Permeability, 10^{-3} μm^2:	5.28
Porosity, %:	17.9		

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	0.003	224.24	0.002	0.00	29.495	0.025	15.648	78.85
2	0.008	87.35	0.004	0.00	19.737	0.037	10.471	78.25
3	0.014	53.88	0.007	0.00	14.847	0.050	7.877	78.18
4	0.023	31.80	0.012	0.46	11.871	0.062	6.298	78.16
5	0.033	22.01	0.018	0.55	9.885	0.074	5.245	77.91
6	0.043	17.09	0.023	0.64	7.878	0.093	4.179	77.61
7	0.054	13.64	0.029	0.64	4.988	0.147	2.646	76.87
8	0.074	9.967	0.039	0.64	1.921	0.383	1.019	73.20
9	0.091	8.096	0.048	0.64	1.433	0.513	0.760	72.19
10	0.132	5.557	0.070	2.11	0.991	0.742	0.526	69.99
11	0.154	4.761	0.082	3.67	0.440	1.670	0.234	67.42
12	0.206	3.567	0.109	6.79	0.291	2.524	0.155	65.86
13	0.299	2.457	0.159	13.12	0.188	3.916	0.100	64.67
14	0.505	1.458	0.268	27.34	0.138	5.325	0.073	63.94
15	0.979	0.751	0.519	40.82	0.098	7.508	0.052	62.74
16	1.473	0.499	0.781	46.14	0.078	9.403	0.041	62.19
17	2.017	0.365	1.070	49.35	0.065	11.34	0.034	61.92
18	4.912	0.150	2.606	58.16	0.045	16.39	0.024	61.64
19	7.881	0.093	4.181	63.39	0.035	20.84	0.019	61.46
20	9.915	0.074	5.260	65.87	0.025	29.00	0.013	61.00
21	11.914	0.062	6.321	67.98	0.016	47.12	0.008	60.73
22	14.799	0.050	7.851	70.27	0.006	116.75	0.003	60.18
23	19.733	0.037	10.469	73.67				
24	29.495	0.025	15.648	78.85				