Mercury Injection Capillary Pressure Analysis
Core I.D. 123, C-92-J/94-P-10, 1167.33m

In situ Klinkenberg Permeability = 0.0329 md
In situ Porosity = 6.9 %

Mercury Injection Capillary Pressure (kPa)	Approx. Pore Entry Diameter (um)	Cumulative Wetting Phase Saturation (% pore vol)	Pore Size Distri-bution Fre-quency	Cumula-tive Surface Area (m2/g)	Approx. Gas-Water Height Above Free Water Level (m)	Approx. Oil-Water Height Above Free Water Level (m)	Honarpour *et al*. Imbibition Carbonate		Corey Calculated		
							Oil Relative Permea-bility (%)	Water Relative Permea-bility (%)	Oil or Gas Relative Permea-bility (%)	Water Relative Permea-bility (%)	Log Oil/Brine Kro/Krw Ratio
		100.0	0.0	0.000	0.0	0.0	0.0	100.0	0.0	100.0	-5.0
13.8	107	100.0	0.0	0.000	0.2	0.3	0.0	100.0	0.0	100.0	-5.0
17.2	86	99.2	0.8	0.000	0.3	0.4	0.0	26.7	0.0	96.6	-5.0
22.8	65	98.6	0.6	0.000	0.4	0.6	0.0	26.3	0.0	94.1	-5.0
29.6	50	98.6	0.0	0.000	0.5	0.7	0.0	26.3	0.0	94.1	-5.0
37.9	39	98.6	0.0	0.000	0.7	0.9	0.0	26.3	0.0	94.1	-5.0
49.6	30	98.6	0.0	0.000	0.9	1.2	0.0	26.3	0.0	94.1	-5.0
64.1	23	98.6	0.0	0.000	1.1	1.6	0.0	26.3	0.0	94.1	-5.0
82.7	18	98.6	0.0	0.000	1.5	2.0	0.0	26.3	0.0	94.1	-5.0
107	14	98.6	0.0	0.000	1.9	2.6	0.0	26.3	0.0	94.1	-5.0
138	11	98.6	0.0	0.000	2.4	3.4	0.0	26.3	0.0	94.1	-5.0
172	8.6	98.6	0.0	0.000	3.0	4.3	0.0	26.3	0.0	94.1	-5.0
241	6.1	98.6	0.0	0.000	4	6	0.0	26.3	0.0	94.1	-5.0
310	4.8	97.5	1.1	0.000	5	8	0.1	25.6	0.0	89.5	-6.2
379	3.9	96.8	0.7	0.000	7	9	0.1	25.2	0.0	86.6	-5.7
517	2.9	94.9	1.9	0.001	9	13	0.3	24.1	0.0	79.3	-4.9
655	2.3	93.0	1.9	0.002	12	16	0.6	23.1	0.0	72.5	-4.3
827	1.8	85.1	7.9	0.006	15	20	2.8	18.9	0.1	48.6	-2.8
1,034	1.4	82.2	2.9	0.004	18	26	4.0	17.4	0.1	41.6	-2.4
1,379	1.1	77.6	4.7	0.008	24	34	6.4	15.3	0.4	31.9	-1.9
1,793	0.82	69.5	8.1	0.018	32	44	11.8	11.8	1.3	19.2	-1.2
2,413	0.61	56.3	13.1	0.039	42	60	24.1	7.2	5.5	7.1	-0.1
2,965	0.50	48.0	8.3	0.056	52	73	34.1	4.9	11.0	3.2	0.5
3,792	0.39	40.0	8.0	0.076	67	94	45.4	3.0	19.5	1.3	1.2
4,999	0.30	36.4	3.6	0.089	88	124	51.1	2.4	24.6	0.8	1.5
6,378	0.23	33.2	3.2	0.102	112	158	56.3	1.8	30.0	0.5	1.8
8,274	0.18	29.7	3.5	0.122	146	205	62.4	1.3	36.8	0.2	2.2
10,687	0.14	25.8	3.9	0.150	188	264	69.5	0.9	45.5	0.1	2.7
13,790	0.11	21.9	3.9	0.186	243	341	77.0	0.5	55.9	0.0	3.2
17,927	0.08	18.8	3.1	0.223	315	443	83.2	0.3	65.3	0.0	3.8
23,098	0.06	16.5	2.3	0.259	406	571	87.9	0.2	73.0	0.0	4.3
29,649	0.05	14.2	2.3	0.305	521	733	92.8	0.1	81.4	0.0	5.1
38,267	0.04	12.5	1.7	0.349	673	946	96.6	0.0	88.0	0.0	6.0
49,644	0.03	11.1	1.5	0.398	873	1227	99.8	0.0	94.1	0.0	7.3
64,124	0.02	9.7	1.4	0.457	1128	1585	100.0	0.0	100.0	0.0	15.0

All Hg calculations assume air-mercury T=484 dyne/cm, contact angle=140deg.

Oil/Gas-Brine Pc assumes insitu o/g-brine Tcos0=	64.0000	22.0000	dynes/cm
Oil/gas-Brine height assumes o/g density gradient =	0.4212	7.8360	kPa/m
Oil/gas-Brine height assumes brine density gradient =	10.2358	10.2358	kPa/m
Swi assumed for relative permeability =	9.7	9.7	%
Sorw assumed for relative permeability =	0	0	%
In situ Gas/Oil & Brine Density (g/cc)=	0.043/0.80	1.045	g/cc

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