

Mercury Injection Capillary Pressure Analysis
Core I.D. 209, C-92-J/94-P-10, 1179.96m

In situ Klinkenberg Permeability = 0.00007 md
In situ Porosity = 1.5 %

Mercury Injection Capillary Pressure (psia)	Approx. Pore Entry Diameter (um)	Cumulative Wetting Phase Saturation (% pore vol)	Pore Size Distribution Frequency	Cumulative Surface Area (m2/g)	Approx. Gas-Water Height Above Free Water Level (ft)	Approx. Oil-Water Height Above Free Water Level (ft)	Honarpour <i>et al.</i>		Corey Calculated		
							Imbibition	Carbonate	Oil or Gas	Water	Log
							Relative Permeability (%)	Relative Permeability (%)	Relative Permeability (%)	Relative Permeability (%)	Oil/Brine Kro/Krw Ratio
2.0	107	100.0	0.0	0.000	0.1	0.1	0.0	100.0	0.0	100.0	-5.0
2.5	86	100.0	0.0	0.000	0.8	1.1	0.0	100.0	0.0	100.0	-5.0
3.3	65	100.0	0.0	0.000	1.0	1.4	0.0	100.0	0.0	100.0	-5.0
4.3	50	100.0	0.0	0.000	1.3	1.8	0.0	100.0	0.0	100.0	-5.0
5.5	39	100.0	0.0	0.000	1.7	2.4	0.0	100.0	0.0	100.0	-5.0
7.2	30	100.0	0.0	0.000	2.2	3.1	0.0	100.0	0.0	100.0	-5.0
9.3	23	100.0	0.0	0.000	2.9	4.0	0.0	100.0	0.0	100.0	-5.0
12.0	18	100.0	0.0	0.000	3.7	5.2	0.0	100.0	0.0	100.0	-5.0
15.5	14	100.0	0.0	0.000	4.8	6.7	0.0	100.0	0.0	100.0	-5.0
20	11	100.0	0.0	0.000	6.2	8.7	0.0	100.0	0.0	100.0	-5.0
25	8.6	100.0	0.0	0.000	8.0	11.2	0.0	100.0	0.0	100.0	-5.0
35	6.1	100.0	0.0	0.000	9.9	14.0	0.0	100.0	0.0	100.0	-5.0
45	4.8	100.0	0.0	0.000	14	20	0.0	100.0	0.0	100.0	-5.0
55	3.9	100.0	0.0	0.000	18	25	0.0	100.0	0.0	100.0	-5.0
75	2.9	100.0	0.0	0.000	22	31	0.0	100.0	0.0	100.0	-5.0
95	2.3	100.0	0.0	0.000	30	42	0.0	100.0	0.0	100.0	-5.0
120	1.8	100.0	0.0	0.000	38	53	0.0	100.0	0.0	100.0	-5.0
150	1.4	100.0	0.0	0.000	48	67	0.0	100.0	0.0	100.0	-5.0
200	1.1	100.0	0.0	0.000	60	84	0.0	100.0	0.0	100.0	-5.0
260	0.82	100.0	0.0	0.000	80	112	0.0	100.0	0.0	100.0	-5.0
350	0.61	100.0	0.0	0.000	103	145	0.0	100.0	0.0	100.0	-5.0
430	0.50	100.0	0.0	0.000	139	196	0.0	100.0	0.0	100.0	-5.0
550	0.39	100.0	0.0	0.000	171	240	0.0	100.0	0.0	100.0	-5.0
725	0.30	100.0	0.0	0.000	219	308	0.0	100.0	0.0	100.0	-5.0
925	0.23	100.0	0.0	0.000	288	405	0.0	100.0	0.0	100.0	-5.0
1200	0.18	100.0	0.0	0.000	368	517	0.0	100.0	0.0	100.0	-5.0
1550	0.14	100.0	0.0	0.000	477	671	0.0	100.0	0.0	100.0	-5.0
2000	0.11	100.0	0.0	0.000	617	867	0.0	100.0	0.0	100.0	-5.0
2600	0.08	92.1	7.9	0.021	796	1119	0.0	100.0	0.0	100.0	-5.0
3350	0.06	73.5	18.7	0.085	1034	1454	0.8	19.2	0.0	65.8	-3.8
4300	0.05	51.4	22.1	0.182	1333	1874	8.9	10.4	1.3	19.5	-1.2
5550	0.04	36.7	14.7	0.266	1711	2405	29.8	3.5	14.3	2.2	0.8
7200	0.03	29.3	7.4	0.320	2208	3104	50.6	0.9	41.0	0.2	2.4
9300	0.02	20.9	8.4	0.400	2864	4027	63.0	0.3	63.7	0.0	3.7
					3700	5201	79.0	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 =	0.0186	0.3464	psi/ft
Oil/gas-Brine height assumes brine density gradient =	0.4525	0.4525	psi/ft
Swi assumed for relative permeability =	20.9	20.9	%
Sorw assumed for relative permeability =	0	0	%
<i>In situ</i> Gas/Oil & Brine Density (g/cc)=	0.043/0.80	1.045	g/cc

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