Mercury Injection Capillary Pressure Analysis
Core I.D. 180, C-34-A/94-P-15, 1139.96m

In situ Klinkenberg Permeability = 0.0696 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	100.0	0.0	0.000	0.3	0.4	0.0	100.0	0.0	100.0	-5.0
22.8	65	100.0	0.0	0.000	0.4	0.6	0.0	100.0	0.0	100.0	-5.0
29.6	50	100.0	0.0	0.000	0.5	0.7	0.0	100.0	0.0	100.0	-5.0
37.9	39	100.0	0.0	0.000	0.7	0.9	0.0	100.0	0.0	100.0	-5.0
49.6	30	100.0	0.0	0.000	0.9	1.2	0.0	100.0	0.0	100.0	-5.0
64.1	23	100.0	0.0	0.000	1.1	1.6	0.0	100.0	0.0	100.0	-5.0
82.7	18	100.0	0.0	0.000	1.5	2.0	0.0	100.0	0.0	100.0	-5.0
107	14	100.0	0.0	0.000	1.9	2.6	0.0	100.0	0.0	100.0	-5.0
138	11	100.0	0.0	0.000	2.4	3.4	0.0	100.0	0.0	100.0	-5.0
172	8.6	100.0	0.0	0.000	3.0	4.3	0.0	100.0	0.0	100.0	-5.0
241	6.1	100.0	0.0	0.000	4	6	0.0	100.0	0.0	100.0	-5.0
310	4.8	100.0	0.0	0.000	5	8	0.0	100.0	0.0	100.0	-5.0
379	3.9	100.0	0.0	0.000	7	9	0.0	100.0	0.0	100.0	-5.0
517	2.9	99.1	0.9	0.000	9	13	0.0	28.0	0.0	96.3	-5.0
655	2.3	98.3	0.8	0.001	12	16	0.0	27.5	0.0	93.0	-6.9
827	1.8	94.7	3.6	0.003	15	20	0.4	25.4	0.0	79.5	-4.9
1,034	1.4	87.6	7.1	0.006	18	26	1.9	21.5	0.0	57.1	-3.3
1,379	1.1	70.4	17.3	0.022	24	34	11.1	13.4	1.0	22.3	-1.4
1,793	0.82	59.4	10.9	0.036	32	44	20.8	9.3	3.4	10.7	-0.5
2,413	0.61	46.2	13.2	0.058	42	60	36.5	5.3	10.3	3.5	0.5
2,965	0.50	38.5	7.8	0.074	52	73	47.8	3.5	17.8	1.5	1.1
3,792	0.39	32.0	6.5	0.091	67	94	58.4	2.3	26.5	0.6	1.6
4,999	0.30	26.3	5.7	0.111	88	124	68.6	1.4	36.5	0.2	2.2
6,378	0.23	22.4	3.9	0.128	112	158	76.0	0.9	44.9	0.1	2.6
8,274	0.18	19.8	2.6	0.143	146	205	81.3	0.7	51.3	0.1	3.0
10,687	0.14	17.2	2.6	0.162	188	264	86.6	0.5	58.3	0.0	3.4
13,790	0.11	14.8	2.4	0.185	243	341	91.6	0.3	65.2	0.0	3.8
17,927	0.08	12.7	2.1	0.211	315	443	96.1	0.2	71.8	0.0	4.3
23,098	0.06	10.8	1.9	0.242	406	571	100.4	0.1	78.4	0.0	4.8
29,649	0.05	8.9	1.9	0.282	521	733	104.8	0.0	85.4	0.0	5.6
38,267	0.04	7.5	1.3	0.317	673	946	107.9	0.0	90.4	0.0	6.4
49,644	0.03	6.3	1.2	0.359	873	1227	110.8	0.0	95.4	0.0	7.7
9300	0.02	5.2	1.1	0.409	1128	1585	113.5	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 =	5.2	5.2	%
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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