

PTS File No: 30000
 Client: Example Report

PHYSICAL PROPERTIES DATA - AIR/WATER CAPILLARY PRESSURE

PROJECT NAME: Capillarity Parameters
 PROJECT NO: 123456

SAMPLE ID.	DEPTH, ft.	METHODS: SAMPLE ORIENTATION (1)	API RP 40 / ASTM D2216	API RP 40		API RP 40		API RP 40
			MOISTURE CONTENT, % weight	DENSITY		POROSITY, %Vb (2)		TOTAL PORE FLUID SATURATIONS (3), % Pv
				BULK, g/cc	GRAIN, g/cc	TOTAL	AIR FILLED	
MW-1	15.1	H	24.7	1.50	2.66	43.6	5.8	86.6

(1) Sample Orientation: H = horizontal; V = vertical (2) Total Porosity = no pore fluids in place; all interconnected pore channels; Air Filled = pore channels not occupied by pore fluids (3) Water = 0.9996 g/cc; Vb = Bulk Volume, cc; Pv = Pore Volume, cc; ND = Not Detected

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PERMEABILITY DATA

PROJECT NAME: Capillarity Parameters
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METHODS: API RP 40; EPA 9100

25 PSI CONFINING STRESS

SAMPLE ID.	DEPTH, ft.	SAMPLE ORIENTATION (1)	SPECIFIC PERMEABILITY TO AIR, millidarcy (2)	SPECIFIC PERMEABILITY TO WATER, millidarcy (3)	HYDRAULIC CONDUCTIVITY, cm/s (3)
MW-1	15.1	H	5189	961	9.23E-04

(1) Sample Orientation: H = horizontal; V = vertical (2) No pore fluids in place (3) Permeability to water and hydraulic conductivity measured at saturated conditions

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PHYSICAL PROPERTIES DATA - AIR/WATER CAPILLARY PRESSURE

(ASTM D6836; Centrifugal Method: air displacing water)

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Capillary Pressure		Height Above Water Table, ft	Sample ID	
			MW-1 at 15.1 ft.	
psi	cm water		Saturation, % pore volume	Moisture, % dry weight
0.000	0.00	0.000	100.0	26.2
0.088	6.21	0.205	100.0	26.2
0.199	14.0	0.460	100.0	26.2
0.353	24.9	0.818	100.0	26.2
0.552	38.8	1.28	97.3	25.5
0.795	55.9	1.84	94.0	24.6
1.08	76.1	2.51	90.7	23.7
1.41	99.4	3.27	82.7	21.6
2.21	155	5.11	67.3	17.6
3.18	224	7.36	54.0	14.1
4.33	304	10.0	44.0	11.5
5.66	398	13.1	38.7	10.1
8.84	621	20.5	32.7	8.6
19.9	1398	46.0	26.7	7.0
35.3	2485	81.8	24.0	6.3



CAPILLARY PRESSURE Centrifugal Method

Air Displacing Water System - ASTM D6836

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Sample ID: MW-1
Depth, ft: 15.1

