

Porosity, permeability, density, and pore volume compressibility data of
core from the Phillips - Cherryville North Cook Inlet A-2 well

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PHILLIPS NCI A-2
SUMMARY OF BASIC CORE ANALYSIS DATA

Depth	Ambient Porosity (%)	Calculated In-situ Porosity (%)	In-situ Klinkenberg Permeability (md)	Bulk Density (g/cc)	Grain Density (g/cc)
4447.9	31.5	26.8		1.88	2.75
4463.0	34.8	29.6		1.73	2.65
4466.2	35.3	30.0	126	1.76	2.72
4471.9	35.5	30.2	130	1.72	2.66
4530.8	25.8	22.0		1.93	2.6
4546.2	33.7	28.7	192	1.76	2.66
4548.9	33.0	28.1	167	1.79	2.67
4554.2	34.7	29.5	169	1.72	2.63
4569.0	35.0	29.7		1.77	2.72
4582.0	34.0	28.9		1.75	2.66
4680.9	30.4	25.8		1.86	2.67
4688.0	25.7	21.9		2.64	3.55
4798.0	33.8	28.8		1.79	2.7
4801.0	33.8	28.8		1.81	2.74
4806.0	30.7	26.1		1.87	2.7
4996.0	32.4	27.5		1.82	2.7
4998.0	33.7	28.6		1.82	2.74
5002.5	32.7	27.8		1.83	2.71

STERLING FORMATION COMPRESSIBILITY DATA

Phillips North Cook Inlet # A-2 4466.2 ft

Confining Pressure (psig)	Porosity (%)	Percent Ambient Porosity (%)	Pore Volume Compressibility (vol/vol/psi)
0	16.3	100.0	
250	15.8	96.9	1.31E-04
500	15.5	95.1	8.98E-05
1000	15.2	93.1	5.20E-05
1500	15.0	91.9	3.07E-05
2000	14.8	90.8	2.72E-05
3000	14.5	88.8	2.61E-05
4000	12.5	76.8	

Phillips North Cook Inlet # A-2 4554.2 ft

Confining Pressure (psig)	Porosity (%)	Percent Ambient Porosity (%)	Pore Volume Compressibility (vol/vol/psi)
0	16.3	100.0	
250	15.4	94.6	2.23E-04
500	14.9	91.6	1.56E-04
1000	14.5	88.7	7.51E-05
1500	14.2	87.1	4.49E-05
2000	14.0	85.7	3.55E-05
3000	13.6	83.3	3.35E-05