PARTITION COVE

STRATIGRAPHIC SECTION

Sec. 27 & 34, T35S, R24W, SM.

JUNE, 1976

MEASURED BY: G.W. MOORE
J.G. BOLM

TERTIARY
EOCENE TO OLIGOCENE
SITKALIDAK FORMATION

Sample No.			Porosity or Age	Permeability or Environment
PC-17	105'	SANDSTONE - Medium gray N-5, very fine to medium grained .05 - .5 mm, well sorted, well indurated, massive.	Porosity 1.5%	Permeability <0.01md
	15'	ALTERNATING SANDSTONE AND SHALE		
	130'	SANDSTONE - Massive.		
PC-16	15'	ALTERNATING SANDSTONE AND SHALE - Sandstone, medium gray N-5, very fine to medium grained .05 - .5 mm, well sorted, well indurated, massive.	1.3%	<0.01md
	40'	SANDSTONE - Massive.		
	70'	SANDSTONE - Average bed thickness 5 feet.		
	30'	ALTERNATING SANDSTONE AND SHALE - Average sandstone bed thickness 4 inches, average shale bed thickness 2 inches.		
	40'	SANDSTONE - Average bed thickness 3 feet.		
	40'	SANDSTONE - Medium dark gray N-4, very fine to medium grained .05 - .5 mm, well sorted, well indurated, massive.		
PC-15			1.7%	<0.01md
	10'	ALTERNATING SANDSTONE AND SHALE - Average sandstone bed thickness 4 inches, average shale thickness 2 inches.		
PC-14	15'	ALTERNATING SANDSTONE AND SHALE - Bed thicker than above and below.		
	30'	ALTERNATING SANDSTONE AND SHALE - Average sandstone bed thickness 4 inches, average shale bed thickness 2 inches.		
		SANDSTONE - Average bed thickness 3 feet.		
PC-13	30'	SANDSTONE - Medium dark gray. N-4, very fine to coarse grained .05 - 1 mm, well sorted, well indurated, massive.	0.2%	<0.01md
	15'	ALTERNATING SANDSTONE AND SHALE - Average sandstone bed thickness 8 inches, average shale bed thickness 4 inches.		
	60'	SANDSTONE - Average bed thickness 20 feet. Medium gray N-5, very fine to coarse grained, .05 - 1 mm, well sorted, well indurated, massive.		
PC-12			2.9%	<0.01md
	40'	ALTERNATING SANDSTONE AND SHALE - Average sandstone bed thickness 8 inches, average shale bed thickness 4 inches.		
	45'	SANDSTONE - Average bed thickness 5 feet.		
	70'	ALTERNATING SHALE AND SANDSTONE - Average bed thickness 3 inches.		
PC-11			0.5% Possible Eocene to Oligocene	<0.01md Neritic
	140'	SANDSTONE - Average bed thickness 5 feet. Medium gray N-5, very fine to coarse grained .05 - 1 mm, well sorted, well indurated. Shale rip-up clasts occur in several beds near the center of this unit.		
PC-10			0.6%	<0.01md
	250'	ALTERNATING SANDSTONE AND SHALE - Average sandstone bed thickness 8 inches, average shale bed thickness 4 inches.		
PC-9				
	30'	SANDSTONE		
	30'	ALTERNATING SANDSTONE AND SHALE		
	40'	SANDSTONE - Average bed thickness 10 feet. Medium dark gray N-4, very fine to medium grained .05 - .5 mm, well sorted, well indurated.		
PC-8			1.1%	<0.01md
	20'	ALTERNATING SANDSTONE AND SHALE		
	55'	SANDSTONE		
	10'	ALTERNATING SANDSTONE AND SHALE		
	30'	SANDSTONE		
	3'	ALTERNATING SANDSTONE AND SHALE		
	65'	SANDSTONE - Average bed thickness 12 feet.		
	10'	ALTERNATING SANDSTONE AND SHALE		
	40'	SANDSTONE - Average bed thickness 2 feet. Medium light gray N-6, very fine to coarse grained .05 - 1 mm, well sorted, well indurated.		
PC-7	80'	SANDSTONE - Average bed thickness 10 feet.	2%	<0.01md
	50'	ALTERNATING SANDSTONE AND SHALE - Average sandstone bed thickness 8 inches, average shale bed thickness 4 inches. Sandstone - medium gray N-5, very fine to medium grained .05 - .5 mm, well sorted, well indurated.		
PC-6			1.7%	<0.02md
	70'	SANDSTONE - Average bed thickness 12 feet.		
	55'	ALTERNATING SANDSTONE AND SHALE - Average sandstone bed thickness 2 feet, average shale bed thickness 1 foot.		
	35'	SANDSTONE - Medium gray N-5, very fine to coarse grained .05 - 1 mm, well sorted, well indurated, massive.		
PC-5			1.2%	<0.02md
	35'	SANDSTONE - Average bed thickness 7 feet.		
	60'	ALTERNATING SHALE AND SANDSTONE - Average bed thickness 3 inches.		
PC-4				
	70'	SANDSTONE - Average bed thickness 2 feet.		
	40'	SHALE		
	80'	SANDSTONE - Medium dark gray N-4, very fine to coarse grained .05 - 1 mm, well sorted, well indurated.		
PC-3			0.2%	<0.01md
	550'	ALTERNATING SHALE AND SANDSTONE - Average bed thickness 3 inches. Sandstone - medium gray N-5, very fine to medium grained .05 - .5 mm, well sorted, well indurated.		
PC-2			0.4% Indeterminate	<0.01md
	45'	SANDSTONE - Medium gray N-5, very fine to coarse grained .05 - 1 mm, well sorted, well indurated.		
PC-1			0.6%	<0.01md
	40'	MUDSTONE - Average bed thickness 6 inches.		

Scale
FEET 0 — 60 — 120
METERS 0 — 10 — 20 — 30

PLATE V