

Schematic Cross-Section for Geologic Map of the South-central Sagavanirktok Quadrangle, North Slope, Alaska

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REPORT OF INVESTIGATIONS 2014-4

			S M
← →		→4 -	
Sagwon Anticline			S Anti
		Ts	
		ТКрс	
		Ksbu	
		Ksbm	
		Kc	
	Kt	Ks	
	Khs/Kps/Kk/LCU	RPu RPu	
		PMI	
	/		
4 6 8 KILOMETERS		Symbol legend	
nerate and sandstone. Weakly deformed by gentle,		Stratigraphic contact constrained by seismic interpretation and/or well control. Dashed where poorly constrained or inf	erre
ong-wavelength folds and infrequent, small-scale,		Fault contact constrained by seismic interpretation and/or w control. Dashed where poorly constrained or inferred. Arrow reflect relative hanging-wall/footwall motion within plane o	/ell /s f
faults in outcrop, particularly near fold axes.		Diagrammatic bedding form lines.	
andstone. Moderate to low mechanical compe-	•	Apparent dip magnitude projected into plane of section.	
er of which may form thick beds toward the well expressed in outcrop near fold axes.	M	Diagrammatic small-scale folding or distributed shortening. Solid where observed, dashed where inferred.	
observed, sandstone intervals deformed by infre-		Symmetrical anticline.	
tone intervals often decimeters thick and amal- y seismic data.	-→ 4-	Symmetrical syncline.	
ngth, low-amplitude imbricates at seismic resolu-	←	Asymmetrical anticline with steeper forelimb.	
structurally thins to north.	→→	Asymmetrical syncline with steeper backlimb.	
rval for underlying, competent Lisburne Group	Susie Unit 1 TD = 13,517 ft	Exploration well.	
ea. Detaches above Kayak Shale at its base.	~		
isburne Group by the Kayak Shale.			

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