CF 8001011

W-17B

AMOCO PRODUCTION COMPANY

SURFACE LOG

NAME W-17B: SOUTH FLANK OF TUPICHAK SYNCLINE ALONG KOKOLIK RIVER.

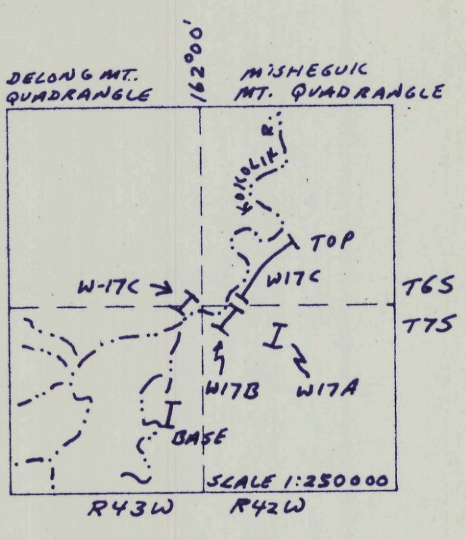
AREA OR QUAD MISHEGUK MTN. QUAD. STATE WESTERN NORTH SLOPE, ALASKA

LOCATION NE/4 SEC. 16 TWN. 7S RNG. 42W

MEASURED BY K.W. SHERWOOD; CR Williamson, RL Stewart DATE 7/77

INTERVAL KUKPOWRUK FORMATION
SAMPLES DESIGNATED "PL77 TSE-"

REMARKS MEASURED ON EAST BANK OF KOKOLIK RIVER 3/8 mile from section W-17A ON WEST NOSE OF RIDGE. CORRESPONDS TO SAND @ 460' ON SECTION # 12, CHAPMAN + SABLE, U.S.G.S. PROF. PAPER 303.



plotted by Beth King

PERIOD	EPOCH/STAGE	FORMATION/ MEMBER	CUMULATIVE FOOTAGE	SAMPLES WITH LAB DATA OR PALEO DATA	LITHOLOGY	MASTER BEDDING	PALEOCURRENT DATA	INTERVAL THICKNESS	DESCRIPTIONS
				* = SOURCE ROCK ANALYSIS AVAILABLE.					
									CORRESPONDS TO AND CORRELATES WITH SAND IN INTERVAL 0'-60' ON SEC. W-17C.
			110		Top Covered				W-17B South Flank, Tupichak Syncline, Kokolik River, ridge on East bank approx. 3/4 mile from 17-A. West nose of ridge. NE 1/4 sec 1, T7S R43W - Sandstone 460' Above base of knk. USGS, sec 12, Stop #1
			100					10.0	Sandstone, fg, very calcareous, lt brown. Lg-scale trough cross-lamination to top of exposure (sets 1-3' thick). Binodal paleocurrent pattern. Lg-scale: S36W, S20W, S46W, S35W; x-beds: S39W, S60W, S31W
				RLS-117; PL77 TSE-117 Ø=2.8 Kmd=(unsuitable)					
			90					20.9	Sandstone, fg, lg-scale trough cross-stratification (sets 1.5'-3.5' thick). Heavily burrowed upper surface. gradational base. Lg-Scale Cross beds (Restored T.D.): S38E, S56W, N30W, S88W, N80W; N62W, S82W, N05W, N17W, N13E, N42W. N=23
			80						
			70					12.9	Sandstone, vfg, very calcareous. Lower 6.0' sm-scale trough cross-lamination. Upper part horizontal lamination w/thin beds of tabular cross-stratification (less than 1.0') and sm-scale trough cross-lamination. Channel in upper 2.5' of unit - sandstone, lt-brown, fg, horizontal lamination. Erosional base.
CRETACEOUS		KUKPOWRUK FORMATION	60						
			50			Ripple → N74E		15.2	Sandstone, fg, thick bedded. Lg-scale trough cross-lamination. Erosional base with 2.0'± relief. Irregular gradational upper contact.
			40					15.8	Sandstone, fg, slightly calcareous, tan to gray, platy weathering. Thin-bedded, sharp base with load structures. Lower 2/3, lg-scale trough cross-stratification. Upper 1/3, rippled and small-scale trough cross-lamination. Upper contact truncated by over-lying unit.
			30	RLS-116; PL77 TSE-116 Ø=5.6 Kmd=0.030					
				* RLS-115; PL77 TSE-115				3.0	Interbedded silty shale & siltstone, sm-scale trough cross-lamination.
			20					22.8	Covered, probably interbedded shale & siltstone.
			10						
			0		Base Covered				