Cr 75 Plant 0046

(24)

Amoco Production Company

Surface Log

Name LITTLE OSHETNA RIVER

QUAD TALKEETNA MTNS (A-2) STATE ALASKA

LOCATION W/2 SE Sec 8, W/2 NE Sec. 17 TWN 24N RNG 10E, SM

MEASURED BY D. POWELL, G STRETTON, D LONEY DATE 7-16-74

INTERVAL UPPER JURASSIC-NAKNEK THROUGH LOWER JURASSIC-TALKEETNA FMS

REMARKS MEASURED AND SAMPLED DOWNSECTION FROM TOP OF HILL - ELEV 5808'. THICKNESSES ESTIMATED. W/2 NE SEC 17, & W/2 SE SEC 8.

R 10E

8	9
17	16

T 24 N

LOCATION ____ N ____ W

△ Indicates Sample Cut for Source Rock Analysis

PLOTTED BY UDP DATE ____

PERIODS	EPOCHS	GROUP or FM	MEMBER	AGES (Stages)	FOSSILS	CORES	SHOWS	DEPTH	LITHOLOGY	POROSITY	SAMPLES	DESCRIPTION
JURASSIC	UPPER	NAKNEK FORMATION	CHISIK CONGLOMERATE	OXFORDIAN							CR-1P	From Sandy sltst Top of Cgl. Eroded Approx 800-1000' of add'l Mbr. Cgl. SECTION is measured about 2 miles west in S/2 Sec. 13, T24N, R10E, SM.
								100			CR-2P	Cgl. gy-dk gy to bro-gy, Cobble to boulder up to 3' or more. Dom. of granitic-dioritic & VOLCANIC Mat'l. Matrix of Siltst-Silty SS, V/dirty (clayey), poorly Indurated, Massive Appearance
								200			CR-3P	Sltst and SS Unit, Interbdd, gg-bro-gy, Finely Lam. in pt. v/angil. and Carb, Flaggy.
								300				Cgl, as above, w/ dirty, Silty SS matrix. Faint bdng & Local Channel.
								400			CR-4P	Silty Zone
								500				Cgl, aa 825' Cgl
								600			CR-5P	Silty SS
												Cgl, aa
								700			CR-6P	From Siltst-SS stringers
											CR-7P	From Sandy Zone @ 10" thick
								800			CR-8P	Siltst, blk, V/ Angil. w/ fine pebbles. Contacts are irregular w/ Local Scour & Fill, and disconformed horiz. bdg. CVD, from distance the basal part of the Cgl-mbr has More Uniform bdg & appears more Silty, Sdy, & Shly textured.
											CR-9P	Contact CVD. Probably Shale. Sh, gy, Sli Sdy, Soft, Wks yell & blocky
								900			CR-10P	Sh-Clyst, gy, Soft, Wks yell and blky.
											CR-11P	
								1000			CR-12P	Sh aa, Some Calc. Shly Conas at 1150'
											CR-13P	
								1100				
								1200				
								1300			CR-14P	Sh. aa bec Rand & more Concretionary. On east side of gully the basal 15' Sh. Facies into Interbdd Siltst, SS & Sh.
											CR-15P	SS, vfg, rs/siltst, black in places, mg'l, massive. SS, bec. Cgl. w/sdy. Matrix, Cobbles To 3". No orientation, inc Toward base.
								1400				Cgl, Cobble, w/ Sdy Matrix. Thin as lenses at 1335-37 & 1370-72, dkgy, Vfg, angil, dirty bec. V/fg, no pebbles in lower Zone.
											CR-16P	SS, V/fg at Top, bec pebble Cgl w/ S/Chert & Lmst. Cg at base Fining upward.
											CR-17P	Cgl: Cobble, w/sdy Matrix. Cgl, w/ 3 series of Cut & Fill Channels, Sdy Matrix. Few fossil frags - belemnites
											CR-20P	SS, red, fg. Calc, thin bdd, Flaggy
											CR-18P	Cgl: pebble-Cobble, thin fg. 10' on west, abund fossils - pelecypods, belemnites and bark Mat'l in sdy unit at contact w/ Shly unit on top SS. Siltst, thin bd, Calc to Sdy Ls, Flaggy
JURASSIC	MIDDLE JURASSIC	TUXEDNI GROUP		BATHONIAN								
								1500			PCR-19P	Mudst. black, Sdy
											CR-21P, CR-22P	Coquina, v/Sdy, Abund fossil wood up to 8" diameter.
								1600			CR-23P	Mudst, aa, inc in Sdy content w/ a few pebble
								1700			CR-24P	
								1800				SS, yell, sdy to fg, Shly, thin-bdd
								1900				Mudstone aa
											CR-25L	SS, yell-bro, F-Mg, few pebbles, Shly, tight
								2000				Ss aa v/shly to sdy Mudstone
								2100			CR-26P	Clyst, soft w/ coaly Mat'l and leaf imprints
											CR-34P	
											CR-36P	SS, gy, wks grn-yell, F-Mg, Silty w/ thin pebble. Cgl at Top, thin bdd-Mass, wks Concentric pattern, F-mly X-bdd & Carb. S/red & yell (FE) shly, & sdy clyst in up 25'.
								2200			CR-35P	SS, Sldy & dky-Sh, gy, wks yell. Thin siltst at Top w/ so dipping X-beds. v/Carb w/ Most Fossil wood as float. Verbal colors of bark test.
											CR-38P	Conc. Cgl, w/ moth clay Matrix, Abund fossil wood in gy-bro. Ad siltst (C) unit, Calc. Cg side 38' E. dkgy, badly CVD, found coal float, dk sdy sdy. to 2195
								2300			CR-37F	CVD, Ad, Sdy Ls Float fossil w/ Abund pelecypods, belemnites & S/Fossil wood & Carb. mat'l.
											CR-41C	SS, gy-blk, F-Mg w/ most Pebbles and Lenses Silty, bimodal & bdg. dom vertcally
											CR-36F	on S/least, & Dom & fill lenses 2"-8", S/fossil wood, bec. Cg at 8', Mass w/ S/platy
											CR-41F	SS gy, wks yell. pebbly, Massive, Contact Sharp P-T Fault?
								2400				Siltst, yell-gy, wks Soft, V/Clayey, smooth Slope
											CR-28F, 8-27P	ANGULAR UNCONFORMITY
												Volcanoclastics - Siltst to SS, Cg, to Pebble-Cobble Cgl., No discreet beds. Traces fossil wood & other fossils - pelecypod, smooth, Concentric and radial ribs, belemnites and "brachypods".
								2500				
								2600				
								2700				
								2800				
								2900				
								3000				
LOWER JURASSIC		TALKEETNA FORMATION		TOARCIAN								