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Amoco Production Company

Surface Log

Name CHESHNINA RIVER SECTION

AREA OR QUAD VALDEZ (D-1) STATE ALASKA

LOCATION SESE SEC. 23, SW, SENW, NE SEC 24, TWN 1S RNG 5E, CRM
NWNW, NENW Sec. 19 TWN 1S RNG 6E CRM

MEASURED BY D. Powell, D. Loney, G. Streeton DATE 8-14-74

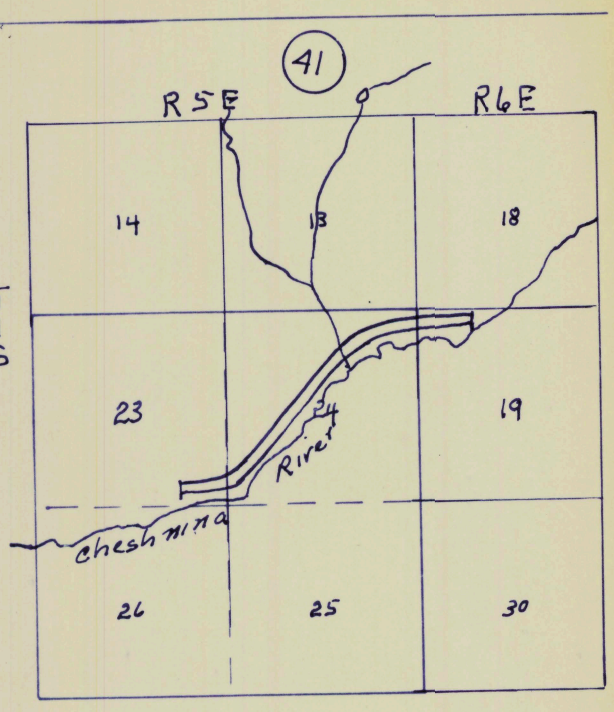
INTERVAL Lower Cretaceous Nelchina Fm

REMARKS Measured and spled upsection (downstream) along steep sided Canyon Base & Top CVD. by glacio-alluvial deposits. ss appear to be similar to those exposed in Chestashina River Drainage.

LOCATION _____ N _____ W

PLOTTED 3-13-75 BY: JDP

△ Indicates sample cut for Source Rock Analysis



PERIODS (SYSTEMS)	EPOCHS (SERIES)	GROUP OR FORMATION	MEMBER	AGES (STAGES)	FOSSILS	CORES	SHOWS	DEPTH	LITHOLOGY	POROSITY	SAMPLES	DESCRIPTION
CRETACEOUS	LOWER CRETACEOUS	NELCHINA FORMATION		NEOCOMIAN	LOC. 7781 Indet. plants (Ferns) Indet. Ammonite			1200 / 1100 / 1000 / 900 / 800 / 700 / 600 / 500 / 400 / 300 / 200 / 100 / 0 (100 / 200 / 300 / 400 / 500 / 600 / 700 / 800 / 900 / 1000 / 1100 / 1200)		CR-183P CR-182P CR-184P CR-181P △ CR-179P △ CR-178F CR-177P CR-176P CR-175P CR-173P CR-174P CR-172L 9.9% Φ 55.8 Mds		Sh, dk gy-blk, blocky, Calc. Sple is about 100-150' above CR-181P. D.P is to the NE & mayba overturned & equiv to above samples CR-181P & CR-182P Sh, blk, blocky, calc. has vitreous lustre (?slickensides), in fault zone or near one as dip is reversed or overturned back to Northeast. CR-184P at ? 100' below CR-183P in blk sh. shales taken from across chevron fold zone (about 50yds wide sple may be equiv to CR-181-183P. S/thin sltst in fold. Sh, blk, blocky, calc, scat. thin ss beds SS, gy to bro-gy, f-mg, occ'l cg, scat pebble cgl lenses, calc, mic, poor p&p w/ shly zones and trs. coaly mat'l (carbonized wood), and sltst & sh SS, gy-bro-gy, aa w/ shly zones & traces of coaly mat'l (carbon. wood) shly zone, silty, carb SS & shly zones w/ s sh as below skipped about 285' due to deep canyon and swollen River, Mostly SS, Cliffs Sh, dk gy-gy, slty, hd, limy, wxs soft, blocky, v hd fresh breaks, interbd w/ thin sltst & ss beds, fossiliF-plant frags, pt of ? Ammonite mold. Sh, gy-dk gy, slty, calc interbd w/ thin sltst & ss ss beds shly, gy-bro, f-mg, poor poro dip of sltst N40°W 25°SW CVD SS, gy, dk-gy to bro gy, f-mg, occ'l cg w/ scat pebble cgl lenses, calc, mic, mass. Sa-sr qtz grs. better sort than below. poor p&p poly sples from slty zones and grey slty sh, ab. s/carb. w/ tr. coal (carbon wood) CVD Probably more shly unit SS, gy, f-cg w/ pebbles up to 1" (rare) scat thru-out, calc, mic, mass Cliff-former on No. side of River, wxs soft, p. sort, sa-sr, poor p&p. Near btm of unit are a few cut & fills w/ pebble ss fining upward and top by scour zone w/ sh clasts w/ horiz lineation, few thin low angle x bds dipping to SW. Few thin gy slty sh and carb sltst lenses scat thru unit. CR-172L at 10', CR-174P at 12' from thin bro shly, carb sltst CR-173P at 15' 1"-3" slty gy sh CVD