TABLE II.4. Stratigraphic Column, North and East Borders of the Beartooth Mountains, Montana. From Foose, Wise and Barbarini, 1961.

					PESTONAL THICKNESS	GENERALIZED STRATIGRAPHIC COLUMN NEAR RED LODGE, MONTANA
) - - -	• • • • • • • • • • • • • • • • • • •		VOLCANICS VOLCANICS		•202·	MAINLY ANDESITIC, EASALTIC, AND DACITIC VOLCANICLASTICS (INCLUDING BRECCIAS, CONGLOMERATES, SANDSTONES, SILISTONES, AND TUFFS) INTERBEDDED WITH LAVA FLOWS AND VENT BRECCIAS; PETRIFIED TREES AND LEAF FOSSILS COMMON.
4 — CENUZOIC	COCENE		W(LENCOD FM		3000.	VAR:ESATED, ALTERNATING UNITS OF GRAY, RED AND PURPLISH SHALES AND MUDSTONES, AND SANDY SHALES, ESPECIALLY IN UPPER PART. SOME MAMMALIAN BONES AND PLANT REMAINS.,
	PALEOCENE	FORT UNION FM		PH	3000	ALTERNATIONS OF YELLOWISH, LENTICULAR SANDSTONES, AND YELLOWISH-GRAY SHALES. THE LATTER CONTAINING LARGE (2-4') CONCRETIONS: FEW CONGLOMERATES: NUMEROUS COAL BEDS IN UPPER 100 FEET; FOSSIL LEAVES COMMON, BONCS RARE.
ME SOZOIC		畫	LANCE FIN		750-1200	DRAS. GRAY SMALES. OFTEN CARBONACEOUS, INTERBEDDED WITH GRAY SANDSTONES AND THIN LIGHTIC SEAMS, FEW DINOSAUR BONES AND PLANT REMAINS.
		=={	EQX 411.2 SZ		730-300.	BROWNISM, THINLY-BEDDED, FAIRLY RESISTANT SANOSTONES: SOME DARK GRAY SHALES.
			BEARPAN SH		115-700'	DARK GRAY, SOFT SHALES WITH SEVERAL THIM BEDS OF HARD, CONCRETIONARY ANDESITIC, TUFFACEOUS SANDSTONES!
			JUDITH RIVER FM		500-100'	NUMTIOUS PELECYPOPS AND AMMONITES IN SOFT SHALES. LIGHT-COLORED TELLOWISH SANDSTONES INTERBEDDED WITH YELLOWISH-GRAY SAMOY SHALES AND SILTSTONES: FEW BEDS OF DARK GRAY CARBONACEOUS SHALES; OCCASIONAL THIN COAL BEDS; PLANT FOSSIL'S COMMON.
			CLAGGETT FIN		120-500	BROWN TO GRAY SMALE WITH STRINGER SAMOS HEAR TOP, GRADING UPWARD INTO MASSIVE RUSTY SAMOSTOME, COMMONLY DARK NEAR BOTTOM AND LIGHTER NEAR TOP - PARKMAN MEMBER: THICK BENTOMITE BELOM SMALE, HEAR BASE OF FORMATION.
	0 0 5		EAGLE FIN		200-550*	INTERBEDDED REDGE-FORMING SANDSTONES WITH INTERBEDDED SMALES; COAL BETMEEN LOWER SANDS; SANDSTONES NOT CONTINUOUS; MASSIVE, MUSTY, PITTED SANDSTONE AT BASE - VIRGELLE MEMBER.
	CRETACE		TELEGRAPH CREEK FM		150-400'	GREENISH-GRAY SHALE, SOME GYPSUM: SALT AND PEPPER SANDSTONE FORMS SHOULDER-LIKE MOUND IN UPPER PART: THO
			CARLILE - NIOBRARA SH	YDOD HZ	1000-1600'	PROMINENT RUSTY SANDSTONE RIDGE-FORMERS AT BASE, VERY FOSSILIFEROUS - ELK BASIM SANDSTONE MEMBER. YERY THICK SHALE, GRAY ON FRESH SURFACE, WEATHERS ALMOST WHITE: YERY LARGE CONCRETIONS NEAR TOP AS WELL AS LOWER IN FORMATION: LARGE APPOINTES FOUND IN CERTAIN LOCALITIES - EQUAL TO PART OR ALL OF CODY SHALE.
			FRONTIEN FIX		300-600	MASSIVE GRAY, RESISTANT SANDSTONES INTERCALATED WITH THINLY-BEDDED BROWN SANDY SHALE AND BLACK SHALE: LARGE THREE-FOOT CONCRETIONS NEAR TOP: FEW BEDS OF CHERT-PEBBLE CONGLOMERATE.
	JURASSIC	F 5 - 5	ACHRT SH		359-500*	BROWNISH-GRAY, HARD, RESISTANT SANOSTONE AND SOME BLACK SHALE; NUMEROUS FISH SCALES UP TO ONE AND ONE-HALF
			Tuccinoon to eu		·	INCHES IN LOWER 239 FEET: SIDERITE CONCRETIONS COMMON 150 TO 100 FEET FROM TOP IN BLACK SHALES. DARK GRAY TO BLACK, THINLY-BEDDED, SOFT SHALES, HON-RESISTANT, INTERBEDDED WITH SEVERAL BENTONITE BEDS:
			THERMOPOLIS SH		220-400,	SANDSTONE UNIT BETWEEN TWO AND THREE HUMDRED FEET ABOVE BASE.
		-	STEATA EN		150-350	BASAL BLACK CHERT CONGLOMERATES OF PEBBLY, VELLOWISH SANDSTONES: REDDISH SHALES INTERCALATED WITH ANDESTITE AGGLOMETATES AND VELLOM SANDSTONS IN MIDDLE PORTION; GRAY-BROWN SANDSTONS AND SANDY SHALES TOWARD TOP.
		77.2	MORRISON FM		100-350'	VARIEGATED REDDISM, GREENISM, PURPLISM, AND GRAY CLAYS AND SHALES INTERBEDDED WITH LIGHT YELLOWISH-GRAY SANOSTONES: PARE OCCURRENCES OF DINOSAUM BONES AND GASTROLITMS.
			SUNDANCE FM		150-400*	BASAL GREEN-BROWN & RED CLAY. SHALES: THIN BEDS OF GYPSUM AND LS: MIDDLE GRAY CLAYS & SAMOSTONES MEATHERING GREEN-BROWN: UPPER RESISTANT SS. GLAUCOMITIC: MANY MOLLUSCS, ESPECIALLY PELECYPODS AND BELEMMITES.
		-	EVACUE COUNTER EN		10-300,	THIN-SECDED GRAY LIMESTONES AND REDDISH SHALES: THINLY TO MASSIVELY BEDDED GYPSUM TOWARD TOP.
Y	TRIAS		CHUSHATER FM		. 130-400,	BRIGHT TO DARK RED SMALES, SILTSTONES, AND SANDSTONES; HUCH GYPSUM SCATTERED IN BASAL THEMTY FEET.
APLEOZOIC	DC D≡		PARK CITY FR		13-70'	PORGUS, THIN-SEDDED, GRAY LIMESTONES: FEW DOLOMITE BEDS AND THIN CALCAREOUS SANDSTONES ("PHOSPHORIA FM)
	_ \$		TENSLEEP		10-580,	GRAY TO TAM, MASSIVE, CROSS-BEDDED, MEDIUM TO COARSE SANDSTONES; RESISTANT TO EROSION: UNFOSSILIFEROUS.
	MISSISSIPPIAN P		ANSCEN FIN		700-900*	RED SMALES AND SILISTONES WITH INTERCALATED GRAY LIMESTONE AND DOLOMITE; LOCALLY GRAY, CHERTY SANDSTONE. CHIEFLY MASSIVE, LIGHT GRAY TO YAN LIMESTONES, COARSELY CRYSTALLINE TO FINE-GRAINED; SOME DOLOMITE AND LOCAL CHERTY ZONES; A FEW THINLY-BEDDED LIMESTONES; A VARIETY OF MARINE INVERTEBRATE FOSSILS FAIRLY COMMON.
	DEVONTAN		THPEE FORKS FM		10-140	PLATY, LIGHT GRAY AND YELLOW TO BROWN AND REDDISH LIMESTONE AND DOLOMITE; THICKER CALCAREOUS SANDSTONE AT BASE.
			JEFFEISON LS		220-175	ALTERNATING THINLY-TO-THICKLY BEDDED LIGHT GRAY TO BROWN LIMESTONES AND DOLOMITES WITH FETID ODOR: FEM FINE BRECCIA BEDS: CALCAREOUS SAMDSTONE AT BASE: BRACHIOPODS (ATBYPAS, ETC.) FAIRLY COMMON.
			BEARTOOTH BUTTE FR		0-150'	LOCAL LENSES OF THINLY-SEDDED AND SUFF CALCAREOUS SHALES AND THICKER BEDS OF YELLOWISH-WEATHERING, GRAY LIPESTONE AND INTRAFORMATIONAL LIPESTONE CONCLOPERATE; YERY COARSE ANSAL CONGLOWERATE; FOSSIL FISHES AND PLANTS YELLOWISH-GRAY SANDY DOLOMITE, IEN FEET, OVERLAIN BY MASSIVE, CLIFF-COMMING BUFF, ROUGH WEATHERING DOLOMITE MOTTLED WITH RESISTANT, INHI-SEDDED, FINE-GRAINED LIMESTONE WITH RESISTANT DOLOMITE IN MIDDLE, SIXTY FEET THIS UNITS TOO SIGNTY FEET SAME MASSIVE, MOTTLED DOLOMITE HEAR BOTTOM; FOSSILS SAME.
	a a a	من نوت ا	BIGHOSH DOLONITE		150-400*	
	* * * * * * * * * * * * * * * * * * *		SHOWY RANGE FR		250-3001	INTERCALATED GREENISH-GRAY SHALES AND INTRAFORMATIONAL CONGLOMERATE: LATTER CONTAINS DISTINCT SUB-ANGULAR, FLAT, GRAY PEBBLES: UPPER FORTY TO FIFTY FEET YELLOW TO GREENISH SHALE, GRAY TO BUFF DOLOMITE AND INTRAFORMATIONAL CONGLOMERATE (= GROVE CREEK MEMBER): PEBBLES WELL-ROUNDED, GRAY WITH GREEN COATING; STAR-SHAPED FOSSILS IN MATRIX.
			MAURICE FR		90 ~ 150°	CLIFF-FORMING, THICKLY BEDDED, CRYSTALLINE LIMESTONE, LIGHT GRAY TO BUFF WITH SOME MOTTLING; OCCASIONALLY OCLITIC: TRILOBITE REMAINS COMMON IN COGULINA ABOUT THIRTY FEET ABOVE BASE AND IN TOPMOST BED.
		-	FR XRAS		350-475*	GREENISH TO PURPLE SHALE INTERBEDDED WITH ONE INCH BEDS AND LEMSES OF GRAY LIMESTONE; TOP FIFTY FEET CONTAINS DISTINCTIVE EDGEMISE CONGLOMERATES WITH CLASTS AT ALL ANGLES TO BEDDING.
			#EASHER LS		10-100.	THIN-BEDDED GRAY LIMESTONE, USUALLY IRREGULARLY WAVY-BEDDED; MIDDLE MEMBER, IF PRESENT, MAINLY SOFT, GREEN SMALES.
		<u> </u>			30-2001	GREEN, GRAY, PURPLE, PAPERY SMALES GRADING UP TO GREEN, BROWN, SANDY SMALES & SILTSTONES: TRILOBITES FAIRLY COMMON. LIGHT TAN TO REDDISH TO MMITE, PEDIUM SANDSTONE, QUARTZITE, LOCALLY CGL: SANDSTONE COARSE & ARKOSIC TOWARD BASE.
	990	-(K)×	25 0000000		1	COMPLEX OF GRANITIC GREISSES AND DARK SCHISTS, INTRUDED BY MAFIC DIKES, ETC.
	1,72	100	SYSELE	- I.I.	<u> </u>	COPPLEA OF GRANTITE GREEDED AND WARE SCHISTS, INTRODUCE ST MAPIC GRASS, EVE.

CONTIED IT DELICE SOLF