SYSTEM	SERIES	FORMATION	LITHOLOGY	THICKNESS (Feet)	DESCRIPTION
QUATERNARY	Recent and Pleistocene	Alluvium		0–60	Stream deposits, fine to coarse detritus, mostly unconsolidated.
TERTIARY	Eocene, Middle	Pitchfork		650+	Andesite tuffs, grayish-green, very fine to coarse-grained, bedded, lithified; channel tuff conglomerate lenses in lower part; tuffaceous sandstone at base.
	Eocene, ?–Lower	Tatman		0–60	Shale, brown, papery, ostracodal, kerogenic; olive-gray bentonitic claystone; sandstone; streaks of coal at base.
	Eocene, Lower	Willwood		340	Claystone, siltstone, and sandstone, maroon- to yellowish-gray, interbedded; local lenses of quartzite conglomerate at or near base.
	Paleocene	Fort Union		600+	Claystone and siltstone, light-gray; sandstone and some coal; quartzite conglomerate at base.
CRETACEOUS	Upper Cretaceous	Lance		760	Upper member: claystone and siltstone, variegated, and small ledges of sandstone. About 210 ft thick. Lower member: sandstone, light- to pale-buff-gray, fine- to medium-grained, massive; forms cliffs separated by short slopes of claystone and siltstone. About 550 ft thick.
		Meeteetse		680±30	Siltstone, claystone, shale, and sandstone, interbedded and intermixed; some thin coal lenses.
		Mesaverde		1810±70	Sandstone, light-gray to buff, fine- to medium-grained, thin- to thick-bedded, massive, crossbedded; some shale, claystone, and coal in lower part; claystone, bentonite, and shale locally present in upper part.
		Cody Shale		2700	EXPOSED DRILLED Shale, dark-gray; gray fine-grained sandstone grades into sandy limestone and limy sandstone at top. Shale, grayish-white, calcareous to noncalcareous; distinctive marker bed.
		Frontier		550	Sandstone, gray, fine- to medium-grained; dark-gray sandy shale; white chert near base.
	Lower Cretaceous	Mowry and Thermopolis Shales Muddy Sandstone Member of Thermopolis Shale		775	Shale, dark-gray to black; some bentonite and white bentonitic shale; thin anhydrite at top; sandstone in lower part.
		Cloverly		365	Sandstone, gray, fine-grained; varicolored shale; white to brown fine- to coarse-grained sandstone; some conglomerate.
JURASSIC	Upper Jurassic	Morrison		185	Shale, variegated; white to grayish-brown fine- to medium-grained sandstone; some limestone.
		Sundance		435	Sandstone, gray-green, glauconitic; gray to greenish-gray shale; interbeds of brown oolitic limestone; anhydrite streaks at base.
	Middle Jurassic	Gypsum Spring		87	Anhydrite, white to brown; streaks of dolomite.
TRIASSIC	?–Lower Triassic	Chugwater		1165	Sandstone, red, very fine grained; mottled red and green shaly sandstone and shale; thin limestone interbeds in lower part.
		Dinwoody		105	Shale, green, gypsiferous, calcareous.
PERMIAN		Park City		238	Dolomite, brown; gray to brown limestone, contains chert; sandy limestone at base.
CARBONIFEROUS, PENNSYLVANIAN		Tensleep Sandstone		225	Sandstone, white, fine-grained; limestone interbeds.
		Amsden Darwin Sandstone Member		290	Limestone and dolomitic limestone, light-gray; streaks of varicolored shale, some anhydrite; sandstone at base.
CARBONIFEROUS, MISSISSIPPIAN		Madison Limestone		243+	Limestone, greenish- to brownish-gray, oolitic, cherty; brown dolomite and gray interbedded limestone.

Vertical scale 1 inch=750 feet. Subsurface data from log furnished by Marathon Oil Company and published with their permission

GENERALIZED COLUMNAR SECTION OF STRATA IN THE ADAM WEISS PEAK QUADRANGLE HOT SPRINGS AND PARK COUNTIES, WYOMING

224-636 O - 66 (In pocket)