

Table 2.--Lithologic logs of cores from holes WR-1 thru WR-7, southeastern Uinta Basin, Utah

CORE HOLE NO. 1

Depth to top and base of unit (in feet)	Thickness of unit (in feet)	Location: NE¼SE¼NW¼ sec. 18, T. 14 S., R. 21 E. (Approximately 2,300' E/W line and 1,800' S/N line) Ground elevation: 6,760 feet
Description		
		Coring began at a depth of 20 feet
20.0-22.0	2.0	Oil shale, olive-gray to brownish-black, laminated; upper ½ contains more kerogen than lower ½; includes several stringers of tuft near middle of unit
22.0-27.5	5.5	Mudstone and marlstone interbedded, calcareous, silty, micaceous; irregularly bedded mudstone is light olive-gray and marlstone is yellow-brown; numerous small-scale load structures; carbonized plant remains. Tar-filled fracture extends vertically through the unit
27.5-30.0	2.5	Mudstone, olive-gray, silty, calcareous, slightly micaceous; minor amount of kerogen; carbonized plant remains
30.0-35.0	5.0	Mudstone and marlstone; mudstone is olive-gray, silty; marlstone is yellow-brown; unit is slightly micaceous and laminated to massive
35.0-40.0	5.0	Mudstone and very fine grained sandstone, light olive-gray, calcareous; sandstone is abundantly micaceous; much irregular bedding as a result of load structures
40.0-50.0	10.0	Mudstone, olive-gray, calcareous, silty, micaceous, with yellow-brown marlstone in lower 1/3 of unit
50.0-60.0	10.0	Mudstone, olive-gray, calcareous, silty, micaceous, with a few thin beds of yellow-brown silty marlstone
60.0-70.0	10.0	Mudstone and marlstone interbedded, light olive-gray and yellow-brown
70.0-76.1	6.1	Marlstone, yellow-brown, silty in part, laminated to thin-bedded; with a few thin beds of low-grade oil shale
76.1-87.2	11.1	Oil shale, dark-brown; includes 0.05 ft thick tuffs at depths of 76.5 and 87.1 ft. Tuffs have irregular upper and lower boundaries
87.2-89.5	2.3	Oil shale and marlstone, light olive-gray and dark-brown; includes 0.05 ft thick tuff at depth of 89.0 ft
89.5-95.2	5.7	Marlstone and low-grade oil shale, olive-gray and yellow-brown; slumped bedding in lowermost one ft.
95.2-100.0	4.8	Sandstone, light to medium-gray, very fine grained, micaceous; with some light olive-gray mudstone. Some laminae are stained with bitumen in a thin zone at a depth of 98.4 ft.

Total Depth: 100 feet