

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

CORE HOLE NO. 4

Location: SW1/4NW1/4SE1/4 sec. 30, T. 15 S., R. 22 E. (Approximately 2,400' W/E line and 1,500' N/S line)  
Ground elevation: 7,430 feet

Depth to top and  
base of  
unit (in feet)

Thickness of  
unit (in feet)

Description

		Coring began at a depth of 20 feet
20.0-26.0	6.0	Mudstone, greenish-gray, silty, calcareous; some carbonized plant remains; slightly micaceous
26.0-29.0	3.0	Siltstone and very fine grained sandstone interbedded; siltstone is greenish gray and sandstone is yellowish gray; many tiny crystal faces and minute mica flakes in sandstone
29.0-29.3	0.3	Sandstone, yellow-brown, very fine grained, limonitic
29.3-42.0	12.7	Mudstone and very fine grained sandstone, greenish-gray, calcareous, some carbonized plant remains; thin sequences (3"-4" thick) of banded greenish-gray and light brown marlstone. Unit is mostly massive with little evidence of bedding
42.0-46.8	4.8	Marlstone, pale-brown to gray; laminated in part; contains lenses of tuff(?)
46.8-51.4	4.6	Oil shale, olive-black, laminated; contains lenses of tuff(?)
51.4-51.6	0.2	Tuff, yellowish-gray, micaceous; load structures
51.6-56.2	4.6	Oil shale with light-gray lenticular clasts
56.2-57.8	1.6	Mudstone, olive-gray, silty, calcareous; some carbonized plant remains; micaceous; load structures at base
57.8-59.7	1.9	Limestone, light-tan, oolitic, sandy, porous; stromatolitic at top; lower part is sandy with some small (1/8") clasts
59.7-90.0	30.3	Sandstone, yellowish-brown to brownish-black, very fine to fine grained; slightly calcareous; micaceous; some carbonized plant remains; cross-bedded in part; most of unit is slightly to moderately stained by bitumen
90.0-99.0	9.0	Sandstone and mudstone interbedded; sandstone is gray to brownish-gray, very fine to fine-grained and contains scattered blebs of bitumen; mudstone is greenish gray, silty, micaceous and calcareous

Total depth: 99 feet