

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

CORE HOLE NO. 5

Depth to top and base of unit (in feet)	thickness of unit (in feet)	Location: SW1/4SW1/4SW1/4 sec. 34, T. 15 S., R. 22 E. (Approximately 400' E/W line and 600' N/S line) Ground elevation: 7,542 feet
Description		
		Coring began at a depth of 20 feet
20.0-23.0	3.0	Sandstone, very fine grained, gray, micaceous
23.0-30.0	7.0	Mudstone, olive-gray, calcareous, silty, micaceous, limonitic(?); abundant carbonized plant remains; lowermost 3 feet includes thin (less than 1") marlstone stringers which contain very small amounts of kerogen; bitumen staining on fracture faces
30.0-30.5	0.5	Sandstone, gray, slightly impregnated with bitumen
30.5-32.0	1.5	Mudstone, olive-gray, silty, calcareous
32.0-37.0	5.0	Sandstone, yellow-brown, fine- to medium-grained; numerous flecks of bitumen. Drill encountered small amount of water at depth of approximately 37 feet (less than 1 gallon per minute)
37.0-40.0	3.0	Mudstone, gray, silty, calcareous; some carbonized plant remains
40.0-50.0	10.0	Mudstone and marlstone interbedded, gray and light-brown, silty
50.0-50.6	0.6	Marlstone, gray, silty
50.6-52.0	1.4	Oil shale, olive-gray to black; irregular laminae, interlaminated with tuff; intricate load structures
52.0-53.9	1.9	Mudstone, yellowish-gray, silty; abundant carbonized plant remains
53.9-56.2	2.3	Oil shale, olive-gray to olive-black; irregular laminae; contains stringers of tuff(?); intricate load structures
56.2-56.8	0.6	Marlstone, grayish olive-green
56.8-60.0	3.2	Mudstone, greenish-gray, silty, slightly kerogenaceous
60.0-61.2	1.2	Marlstone, gray and brown
61.2-61.6	0.4	Tuff, greenish-gray; irregular top and base
61.6-65.2	3.6	Oil shale, dark olive-gray, laminated; contains tuff stringers; some load structures
65.2-65.3	0.1	Tuff, greenish-gray; irregular top and base
65.3-67.2	1.9	Oil shale, laminated; contains thin, very contorted tuff stringers
67.2-67.6	0.4	Oil shale, olive-gray to black; contains load structures or stromatolitic structures
67.6-68.0	0.4	Missing
68.0-69.1	1.1	Mudstone and very fine grained sandstone interbedded, greenish-gray; with thin interbeds of moderately rich oil shale
69.1-69.5	0.4	Breccia; yellow-brown sandstone matrix with subangular mudstone clasts
69.5-69.8	0.3	Oil shale, olive-gray, interlaminated with brown carbonate layers
69.8-69.9	0.1	Tuff(?), brownish-gray; impregnated with bitumen
69.9-72.3	2.4	Sandstone, greenish-gray, very fine grained, micaceous; thin (0.2') bitumen-impregnated sandstone 0.3' below top of unit
72.3-72.7	0.4	Sandstone, greenish-gray, very fine grained; impregnated with bitumen; contains light-gray angular calcareous clasts
72.7-88.0	15.3	Sandstone, greenish-gray, very fine grained; most of unit is impregnated with bitumen
88.0-90.0	2.0	Sandstone, greenish-gray, very fine grained
90.0-97.7	7.7	Sandstone, greenish-gray, very fine to medium grained; most of unit is impregnated with bitumen; some interbeds of very fine grained sandstone that contain no bitumen; mostly thin even bedding; some load structures
97.7-103.0	5.3	Sandstone, greenish-gray, very fine grained; thin even bedding; slightly stained with bitumen

Total depth: 103 feet