

LITHOLOGIC DESCRIPTION OF SAMPLES SUBMITTED FOR ASSAY^{1/}

Core samples from S & P Corporation Corehole 4 drilled in 1965
in SE1/4NE1/4SW1/4 sec 25 (1865 ft N/S line and 2135 ft E/W
line), T 9 S, R 5 E, Utah County, Utah

Surface elevation: 6125 feet

Sampled section: 84.2 to 153.1 feet

From	To	Description
10.0	84.2	Not sampled.
84.2	84.8	Sandstone: medium gray with some grayish black. Massive.
84.8	86.0	Siltstone and sandstone: gray buff to very light orange buff. Laminated to massive.
86.0	86.8	Sandstone: gray buff with some medium brownish gray. Laminated to massive.
86.8	88.3	Marlstone and sandstone: dark brownish gray to medium gray. Mottled and laminated to massive.
88.3	89.3	Mudstone: dark brownish gray to dark brown with some medium gray. Mottled and laminated to massive.
89.3	90.0	Marlstone: dark brownish gray to dark brown and common very light yellow buff. Mottled and banded to massive common fossil remains throughout.
90.0	91.0	Calcareous siltstone: medium gray with some medium brownish gray. Mottled and laminated to massive.
91.0	92.0	Calcareous siltstone: medium gray with rare gray black. Mottled and massive.
92.0	106.3	Not sampled.
106.3	107.8	Calcareous sandstone: medium gray. Massive.
107.8	108.4	Calcareous sandstone and siltstone: medium gray with some dark brown. Some laminations, commonly massive.
108.4	109.3	Calcareous siltstone: medium gray and dark brownish gray to dark brown. Laminated to massive. Calcareous fracture filling from 108.9 feet.
109.3	110.6	Marlstone: medium gray to dark brown. Laminated to massive.
110.6	111.8	Marlstone: medium gray to dark brown. Laminated to banded.
111.8	112.8	Marlstone: light gray with rare medium gray. Mottled and massive.
112.8	143.1	Not sampled.
143.1	144.7	Calcareous siltstone: medium gray with some dark gray. Mottled and massive. Gray-white fracture filling at 144.5 feet.
144.7	146.2	Sandstone: medium gray with rare dark gray. Massive. Orange buff fracture fillings from 145.7 feet.

^{1/} By W. T. Hill, Jr.

Illustration No. SBR-3991P (Sheet 1 of 2)

Laramie Petroleum Research Center, Laramie, Wyoming

August 18, 1966

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Core samples from S & P Corporation Corehole 4--Continued

From	To	Description
146.2	147.5	Marlstone: medium brownish gray to gray black. Massive. Common fossil remains from 146.3-147.1 feet. Orange buff fracture fillings to 146.3 feet.
147.5	148.3	Marlstone and calcareous sandstone: medium gray with some buff orange. Banded to massive.
148.3	149.8	Calcareous sandstone: light gray and orange buff. Massive.
149.8	151.2	Calcareous sandstone: light gray with some orange buff. Massive.
151.2	151.9	Siltstone: medium gray and medium brownish gray. Banded to massive. Common fossil remains.
151.9	153.1	Calcareous sandstone: very light orange buff with some medium gray. Banded to massive.
153.1	196.0	Not sampled. Bottom of core.

Illustration No. SNR-3991P (Sheet 2 of 2)

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