

LITHOLOGIC DESCRIPTION OF SAMPLES SUBMITTED FOR ASSAY

Core samples from National Farmers Union Exploration Company's Corehole
No. 6 drilled in SW. 1/4 of sec. 2, T. 13 S., R. 24 E.,
Uintah County, Utah

Surface elevation 6,750 feet Mahogany marker at 109.2 feet Total depth 180 feet

From	To	Description
0	30	Air drilled (no recovery).
30	33.5	Marlstone, greenish brown and greenish gray, well defined bedding.
33.5	34.1	Analcite, dark brown, massive, oil impregnated. A 1/2-inch band of greenish brown marlstone occurs at 33.9 feet.
34.1	40.0	Marlstone, greenish brown and greenish gray, well defined bedding. A 0.2-foot band of oil impregnated analcite occurs at 35.5 feet and a 0.5-foot band of oil impregnated analcite occurs at 38.7 feet. Analcite bands are vertically fractured and fracture faces are heavily coated with heavy black oil.
40.0	56.0	Marlstone, light brown, greenish brown, and greenish gray, poorly defined to well defined bedding. Exhibits hackly fracture. Common 0.1-foot and less bands of blue-gray analcite impregnated with black bitumen. A 0.4-foot band of blue-gray analcite impregnated with black bitumen occurs at 44.3 feet.
56.0	58.0	Sandstone, tuffaceous, light gray and light brown, fine-grained, massive. Upper 0.8 foot is light brown grading to light gray. Light brown color probably due to staining by bitumen. Extensive vertical fracture with fracture faces heavily coated with black bitumen. (Possible upper wavy bed.)
58.0	59.5	Marlstone, light brown, dark brown, and dark gray, well defined bedding. Some vertical fracture.
59.5	71.4	Marlstone, light brown, dark brown, and greenish brown, poorly defined to well defined bedding. Exhibits hackly fracture. A 1.5-foot vertical fracture occurs at 69.5 feet.
71.4	72.4	Marlstone, dark brown and dark gray, massive to poorly defined bedding. Rich.
72.4	76.3	Marlstone, light brown, dark brown, and greenish brown, well defined bedding. A 1.3-foot vertical fracture occurs at 73.7 feet.
76.3	77.0	Marlstone, dark brown and dark gray, massive. Common stringers of light brown and blue-gray analcite.
77.0	79.3	Marlstone, light brown and dark brown, well defined bedding.
79.3	80.0	Marlstone, dark brown and dark gray, well defined bedding. Common stringers of light brown analcite.
80.0	80.9	Marlstone, light brown and dark brown, well defined bedding.

Illustration No. SBR-2652P

Laramie Petroleum Research Center, Laramie, Wyoming

March 19, 1959

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From	To	Description
80.9	82.9	(Marlstone, light brown and light gray, well defined bedding. Barren to low grade.
82.9	86.3	(Marlstone, light gray, tan, and light brown. Massive to well defined bedding. Barren to low grade.
86.3	89.9	(Marlstone, light gray, poorly defined to well defined bedding. Vertical fracture from 86.5 to 88.0 feet. Barren to low grade.
89.9	92.0	Marlstone, light brown, dark brown, and greenish brown, well defined bedding.
92.0	92.8	Marlstone, dark brown and dark gray, well defined and contorted bedding. Common 1/2-inch and less stringers of dark brown analcite.
92.8	94.7	Marlstone, light brown, dark brown, and greenish brown, well defined bedding. Common lenses 1/4 inch and less of clear crystalline calcite. A 0.1-foot band of blue-gray and light gray analcite occurs at 93.6 feet.
94.7	96.2	Marlstone, light gray, light brown, and dark brown, common bands 1/2 inch and less of light gray and tan siltstone.
96.2	101.3	Marlstone, light brown, dark brown, and dark gray, well defined bedding. Good grade. A 0.3-foot band of tan, very fine grained sandstone containing randomly oriented fragments of dark brown marlstone occurs at 96.8 feet. Common bands 1/2 inch and less of blue-gray and light brown analcite tuff. A 0.6-foot vertical fracture occurs at 99.0 feet.
101.3	109.2	Marlstone, light gray, light brown, and greenish brown, well defined bedding. Rare 1/4-inch bands of pyrite and blue-gray analcite. A 0.4-foot vertical fracture occurs at 101.3 feet.
109.2	109.5	Analcite, blue-gray, massive. Multiple vertical fractures with fracture faces lightly coated with dark brown bitumen. Lower 1 inch is impregnated with bitumen to give dark brown color (Mahogany marker).
109.5	112.5	Marlstone, light brown, greenish brown, and greenish gray, well defined bedding.
112.5	113.9	Marlstone, dark brown and dark gray, massive to poorly defined bedding. Rich.
113.9	115.7	Marlstone, light gray, light brown, and dark brown, well defined bedding.
115.7	122.9	Marlstone, light brown, dark brown, and dark gray, massive to well defined and contorted bedding. Rare 0.4 foot and less vertical fracture. Good grade to rich.

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From	To	Description
122.9	123.9	Marlstone, black, massive to poorly defined bedding. Rich.
123.9	126.3	Marlstone, light brown, dark brown, and greenish brown, well defined bedding. A 2-inch band of light gray analcite occurs at 123.9 feet.
126.3	127.6	Marlstone, dark brown and dark gray, massive to poorly defined bedding. Good grade.
127.6	129.7	Marlstone, tan, light brown, and dark brown, well defined bedding.
129.7	131.2	Marlstone, dark brown and dark gray, massive to poorly defined bedding. Good grade. Common stringers of dark brown and blue-gray analcite.
131.2	132.8	Marlstone, light brown and greenish brown, well defined bedding.
132.8	133.8	Marlstone, dark brown and dark gray, massive to poorly defined bedding. Good grade.
133.8	136.0	Marlstone, tan and light brown, massive to well defined bedding. Generally low grade with rare 1-inch bands of high grade.
136.0	137.0	Marlstone, dark brown and dark gray, massive to poorly defined and contorted bedding. A 1/2-inch band of blue-gray analcite occurs at 136.9 feet.
137.0	140.0	Marlstone, tan, light brown, and dark brown, massive to well defined bedding. A 0.3-foot band of light gray barren marlstone occurs at 138.4 feet.
140.0	143.9	Marlstone, light brown, dark brown, and dark gray, massive to well defined bedding.
143.9	147.5	Marlstone, light gray, light brown, and dark brown, well defined bedding. Low grade.
147.5	148.2	Marlstone, dark brown and dark gray, massive to poorly defined bedding. Good grade.
148.2	148.8	Marlstone, light brown and greenish brown, well defined bedding.
148.8	151.2	Marlstone, tan, light gray, and light brown, well defined bedding. Rare 1/2 inch and less inclusions of blue-gray analcite. Barren to low grade.
151.2	153.0	Marlstone, light brown, greenish brown, and greenish gray, well defined bedding. A 0.4-foot band of light brown and blue-gray analcite occurs at 152.4 feet.
153.0	154.0	Marlstone, dark brown and dark gray, well defined bedding. Good grade.

Illustration No. SBR-2654p

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From	To	Description
154.0	155.6	Marlstone, light brown, dark brown, and blue-gray, well defined and banded bedding. Quarter-inch bands of pyrite occur at 154.6 and 155.5 feet.
155.6	156.8	Marlstone, light brown, dark brown, and dark gray, massive to well defined bedding.
156.8	157.8	Marlstone, light gray, tan, and greenish brown, massive to well defined bedding. Barren to low grade.
157.8	158.8	Marlstone, light brown, dark brown, and greenish brown, well defined bedding.
158.8	160.4	Analcite tuff, dirty white, massive. Common contorted stringers of light brown and dark gray marlstone. (Probable lower wavy bed.)
160.4	163.3	Marlstone, light gray, greenish gray, light brown, and dark brown, massive to well defined bedding. Rare 0.1 foot and less vertical fractures with fracture faces lightly coated with reddish-brown bitumen. Barren to low grade.
163.3	164.6	Sandstone, poorly sorted, coarse grained at top grading to fine grained. Dark brown color due to being heavily saturated with oil.
164.6	165.1	Marlstone, light gray, massive to poorly defined bedding. Barren.
165.1	166.6	Marlstone, light brown, dark brown, and light gray, massive to poorly defined and contorted bedding. Some oil impregnation from 165.1 to 165.5 feet. Barren to low grade.
166.6	168.8	Marlstone, light brown, dark brown, and light gray, well defined bedding. A 1-inch band of blue-gray siltstone occurs at 168.0 feet.
168.8	170.0	Marlstone, light gray, tan, and light brown, well defined bedding. Barren to low grade. Common stringers of blue-gray analcite.
170.0	174.0	Marlstone, tan, light gray, light brown, and greenish brown, well defined and contorted bedding. Low grade to barren. Common 1/2-inch and less bands of blue-gray siltstone. A 0.2-foot band of blue-gray siltstone occurs at 173.0 feet.
174.0	178.0	Marlstone, tan, light gray, light brown, and greenish brown, massive to well defined bedding. Common bands 1/2 inch and less of blue-gray siltstone. A 0.5-foot band of blue-gray siltstone occurs at 175.7 feet. A 0.5-foot band of light gray barren marlstone occurs at 176.5 feet. A 0.15-foot band of blue-gray siltstone displaying a dendritic pattern of dark gray lines occurs at 177.4 feet.
178.0	180	Coarse sandstone section removed by N. F. U.
180		Bottom of hole.

Illustration No. SBR-2655P