

Received 5/14/58 from Jim Brown.

LITHOLOGIC DESCRIPTION OF
GENERAL PETROLEUM CORPORATION'S OIL SHALE COREHOLE 55-15

Location: 2,735.21 ft S and 2,248.47 ft W from NE corner
Section 15 - 10S - 2E, Uintah County, Utah

Drilled: October, 1957

Surface Elev 6,312.40' TD 146.3'
Mahogany Marker @ 90.5'

<u>From</u>	<u>To</u>	<u>Feet</u>	
0	5.0	Not cored	
5.0	15.0	10.0	Rec. 9 ft. Marlstone, gray to dark gray, generally massive to locally laminated oil saturated. Analcite 0.1 ft thick at 14 ft.
15.0	17.0	2.0	Marlstone, light gray to gray laminated.
17.0	22.0	5.0	Marlstone, gray to dark gray with faint brown cest locally.
22.0	23.5	1.5	Sandstone tuffaceous (upper wavy bed) with interbedded Marlstone somewhat oil saturated mottled - not assayed.
23.5	33.5	10.0	Marlstone, light brown, gray to dark gray, laminations more pronounced locally in lighter colors.
33.5	40.5	7.0	Marlstone, as above with gradational coloring, possibly leaner especially in lower part.
40.5	46.0	5.5	Marlstone, gray to brown laminations, rare gray streak 0.4 ft thick at 41.5 ft
46.0	47.0	1.0	Blue bed, fair to good value throughout.
47.0	52.5	5.5	Marlstone, light brown to rare dark brown, pronounced laminations throughout.
52.5	53.0	.5	Blue bed, good value with very thin analcite stringers.
53.0	55.5	2.5	Marlstone, light brown to dark brown laminations.
55.5	56.5	1.0	Blue bed, fair value throughout and also altered (cork-like appearance).
56.5	66.5	10.0	Marlstone, very light brown, light gray to occasional brown especially in top 1 ft becoming light gray in bottom 3 ft.
66.5	70.5	4.0	Marlstone, light gray in top third, medium gray in middle and medium brown in bottom third, laminations.
70.5	72.0	1.5	Blue bed. Thin in middle portion only and grades at top and bottom contacts.

<u>From</u>	<u>To</u>	<u>Feet</u>	
72.0	75.0	3.0	Marlstone, light brown to medium brown laminations 0.2 ft analcite at 73.1 ft.
75.0	78.0	3.0	Marlstone, brown to dark brown laminations, several thin oil saturated analcites, locally black, rare rich streaks in top 1 ft.
78.0	82.0	4.0	Marlstone, light brown to brown laminations but value more constant throughout.
82.0	90.5	8.5	Marlstone, light brown to brown laminations, somewhat leaner values than last above.
90.5	91.0	0.5	Analcite bed - Manogany Marker.
91.0	95.0	4.0	Marlstone, light gray to light brown laminations.
95.0	96.0	1.0	Blue bed, values good throughout.
96.0	100.5	4.5	Marlstone, gray to light brown somewhat massive to laminated. 0.1 ft analcite parting at base.
100.5	108.0	7.5	Blue bed, generally good values throughout with occasional leaner streaks less than 0.2 ft.
108.0	109.5	1.5	Marlstone, light brown to dark brown. Grades in values from rich to poor (top to bottom). Unit capped by 0.25 ft analcite stringer.
109.5	110.5	1.0	Blue bed with lean streak near middle.
110.5	112.0	1.5	Rec. 1 ft. Marlstone, light brown to occasional dark laminations.
112.0	113.5	1.5	Blue bed, becoming leaner in lower one-third.
113.5	114.5	1.0	Marlstone, brown somewhat massive.
114.5	115.5	1.0	Blue bed with brown cast pronounced.
115.5	117.5	2.0	Marlstone, light brown with rare dark laminations.
117.5	118.5	1.0	Marlstone, brown to dark brown with 0.3 ft blue bed near middle.
118.5	121.0	2.5	Marlstone, very light brown laminated contains three scattered dark streaks less than 0.1 ft.

<u>From</u>	<u>To</u>	<u>Feet</u>	
121.0	122.5	1.5	Blue bed zone, with gradational contacts at top and base, contains several thin analcite stringers of irregular thicknesses.
122.5	127.0	4.5	Marlstone, light brown to brown laminations only darker color in lower half foot, generally poor values throughout.
127.0	131.5	4.5	Marlstone, as above, however more medium brown to dark brown.
131.5	136.5	5.0	Marlstone, light brown to rare medium brown laminations generally poor values throughout.
136.5	137.5	1.0	Blue bed lower grade contains several analcites less than 0.05 ft.
137.5	143.0	5.5	Marlstone, light brown to brown to whitish locally, rare dark streaks 0.2 ft thick at 141.8 ft.
143.0	143.5	0.5	Sandstone tuffaceous, medium grained, highly oil saturated. Not assayed.
143.5	144.5	1.0	Marlstone, light brown to grey, very fine laminations, speckled lineations less than 0.05 ft analcite that is oil saturated at base.
144.5	146.3	1.8	Dec. 1.3 ft. Marlstone, light brown to brown laminations; highly altered blue bed in top 1/2 ft. Blue bed contains 0.05 analcite stringer.
146.3	TD		

Described by

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3/24/58