

Received 5/14/58 from Jim Brown.

LITHOLOGIC DESCRIPTION OF  
GENERAL PETROLEUM CORPORATION'S OIL SHALE COREHOLE 18-29

Location: 280.7 ft N and 550.9 ft E from SW corner  
Section 29 - 11S - 25E, Uintah County, Utah

Drilled September, 1957

Surface Elev: 6,109.71 ft TD 360.6 ft  
Mahogany Marker @ 297.2 ft

<u>From</u>	<u>To</u>	<u>Feet</u>	
0	3.0	Not cored	
3.0	8.0	5.0	Rec 3 ft. Marlstone, light gray.
8.0	8.5	0.5	Marlstone, dark brown, low grade blue bed.
8.5	18.0	9.5	Rec. 7.5 ft. Marlstone, light gray speckled.
18.0	20.0	2.0	Rec. 1 ft. Siltstone light buff, massive.
20.0	38.5	18.5	Marlstone, light gray numerous vugs with calcite fillings, contains tarry streak at 29.3 ft.
38.5	39.5	1.0	Blue bed.
39.5	58.0	18.5	Rec. 18 ft. Marlstone, gray to dark gray, occasional vugs with calcite fillings, several crustations, tarry streak at 54 ft.
58.0	78.0	20.0	Rec. 18.5 ft. Marlstone, gray locally somewhat darker.
78.0	98.0	20.0	Marlstone, gray massive with occasional darker streaks but generally low values.
98.0	118.0	20.0	Marlstone, gray massive contains locally vertical fractures filled with gilsonite (?) coatings.
118.0	133.5	15.5	Marlstone, gray massive darker streak at 121 ft and several thin analcites (?)
133.5	134.5	1.0	Marlstone, gray to dark gray. Similar to dark streaks above but thicker. Less than 0.1 ft oil saturated. Analcite (?) in lower part.
134.5	145.5	11.0	Marlstone, gray. Less than 0.2 oil saturated. Analcite parting at 141.1 ft.
145.5	146.0	0.5	Blue bed.
146.0	166.0	20.0	Marlstone, gray locally dark gray less than 0.1 oil saturated. Analcite at 159.4 ft.

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From	To	Feet	
166.0	187.0	21.0	Marlstone, gray as last above, but somewhat lighter in bottom portion. Contains four thin analcite stringers.
187.0	187.5	0.5	Blue bed with thin analcite stringers near middle.
187.5	208.0	20.5	Rec. 20 ft. Marlstone, gray with 2 blue beds less than 0.5 ft thick at 197.5 and 203.2 ft.
208.0	210.0	2.0	Marlstone, gray as above with lower grade blue bed in top half ft.
210.0	211.0	1.0	Blue bed grades downward to richer values.
211.0	231.0	20.0	Rec. 19.5 ft. Marlstone, gray to gray brown. Massive occasional laminations, contains several oil saturated thin analcite partings.
231.0	249.0	18.0	Marlstone, gray massive to faint laminations. Contains several thin analcite stringers.
249.0	251.0	2.0	Sandstone, tuffaceous (upper wavy bed). Not assayed. *
251.0	263.0	12.0	Marlstone, gray to brown locally. Massive to fine laminations, scattered very thin analcite stringers in upper portion.
263.0	264.0	1.0	Blue bed. Fair value throughout.
264.0	267.5	3.5	Marlstone, gray to brown, poor to fair laminations.
267.5	268.0	0.5	Blue bed, thin satiny streaks and analcite partings. Interbedded with leaner streaks.
268.0	281.5	13.5	Marlstone gray to brown. Poor to fair laminations.
281.5	282.5	1.0	Marlstone, light brown to dark brown. Fine laminations.
282.5	286.0	3.5	Marlstone, light gray. Poor to fair laminations. Contains several thin analcite partings.
286.0	290.0	4.0	Marlstone, gray to dark gray with occasional streaks of good blue beds. Several analcite partings in lower portion.
290.0	297.0	7.0	Marlstone, gray massive. Fairly uniform coloring throughout.
297.0	297.5	0.5	Analcite bed. <u>Mahogany Marker</u> actually 0.4 ft thick.
297.5	301.5	4.0	Marlstone, gray massive. Uniform coloring throughout.
301.5	302.5	1.0	Blue bed. Fair values to especially rich in lower middle portion.

<u>From</u>	<u>To</u>	<u>Feet</u>	
302.5	306.0	3.5	Marlstone, gray to brown. Poor to fair laminations, becoming richer in lower part, rare analcite parting near base.
306.0	306.5	0.5	Blue bed with satiny lustre in occasional streaks.
306.5	307.5	1.0	Marlstone, gray to brown, laminations.
307.5	310.5	3.0	Blue bed, good values throughout.
310.5	311.0	0.5	Marlstone, brown laminations.
311.0	312.0	1.0	Blue bed, good values throughout.
312.0	313.0	1.0	Marlstone, gray to brown somewhat massive to poorly laminated, capped by 0.1 ft analcite parting.
313.0	314.0	1.0	Blue bed, good value throughout. Low specific gravity.
314.0	316.0	2.0	Marlstone, light gray to gray. Fine laminations.
316.0	318.0	2.0	Blue bed, with lean streak in middle portion containing an 0.1 ft analcite parting.
318.0	319.5	1.5	Marlstone, gray to brown laminations.
319.5	320.0	0.5	Blue bed, good values throughout.
320.0	322.5	2.5	Marlstone, light gray to light brown. Rare dark brown streaks.
322.5	323.5	1.0	Blue bed, good values throughout except for 2 analcite partings in lower part.
323.5	326.5	3.0	Marlstone, light brown to brown laminations. Less than 0.1 ft analcite stringer in top part.
326.5	328.0	1.5	Blue bed, fair value throughout.
328.0	331.0	3.0	Marlstone, gray to brown laminations. Richer values in lower 1-foot.
331.0	334.5	3.5	Marlstone, light brown to brown laminations, somewhat leaner than interval above.
334.5	335.0	0.5	Analcite bed. (Good marker). Oil saturated, actually 0.4 ft thick. Not assayed.

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<u>From</u>	<u>To</u>	<u>Feet</u>	
335.0	338.5	3.5	Marlstone, very light brown, gray to rare dark brown lines. Analcite stringer in lower portion.
338.5	339.0	0.5	Blue bed with thin analcite partings in bottom portion. Contains some lean streaks.
339.0	340.0	1.0	Marlstone, light brown to gray.
340.0	340.5	0.5	Blue bed. Appears somewhat altered. Low specific gravity.
340.5	343.0	2.5	Marlstone, light gray to gray laminations.
343.0	344.0	1.0	Blue bed with numerous streaks of variable values.
344.0	346.0	2.0	Marlstone, very light gray to gray. Occasional dark gray, locally whitish.
346.0	346.5	0.5	Marlstone, gray to dark gray with low grade blue bed in bottom portion.
346.5	348.5	2.0	<sup>Tuff</sup> Sandstone, tuffaceous (lower wavy bed) somewhat oil saturated. Mottled appearance. Not assayed.
348.5	349.0	0.5	Marlstone, gray to dark gray with low-grade blue bed in top portion.
349.0	360.6	11.6	Marlstone, light gray to gray with occasional thin dark gray streaks, laminations, oil saturated analcite partings about 0.2 ft thick at 355.1 and 357.2; 1.1 ft marlstone interbedded at 258.7 and this 1.1 ft unit is highly oil saturated, also numerous thin partly saturated marlstone streaks in lower part of the overall interval sampled.

360.6 TD

Described by

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3/25/58