

LITHOLOGIC DESCRIPTION OF ROCK SPRINGS PROJECT WELL NO. 7-11  
SWSWNE Sec. 15, T18N, R106W, SWEETWATER COUNTY, WYOMING  
September 1969

by  
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Footage	Description
69.1-71.6	Oil shale, gray to dark gray, abundant crystal faces (probably pyrite), occasional brown dolomite inclusion, faintly laminated.
71.6-73.2	Oil shale, dark gray to black, faintly laminated, blocky fracturing.
73.2-74.4	Oil shale as above but platy fracturing.
74.4-74.6	Ash, tuff, sandstone, gray to yellow, very fine to fine-grained; trace dead oil stain, partings containing black shale and gray microcrystalline dolomite.
74.6-75.8	Oil shale, gray, greenish-gray, and brownish-gray, abundant crystal faces.
75.8-76.4	Oil shale, dark gray, faintly laminated with serpentine injections of black, resinous, oily, tuffaceous material.
76.4-77.0	Oil shale, gray to dark gray, abundant crystal faces.
77.0-81.6	Oil shale, dark gray to black, breaks easily along horizontal bedding planes, occasional thin dark brown shale laminae.
81.6-82.3	Oil shale, medium to dark gray, rare crystal faces, injected black to dark brown resinous tuff at 81.8-81.9 ft.
82.3-82.4	Ash, sandstone, gray, buff, some yellow, fine-grained, trace oil stain, some black shale partings.
82.4-87.8	Oil shale, gray, greenish-gray, dark gray, tan, and brownish-gray, laminated to banded, abundant pyrite (?) crystal faces, purple dolomite inclusion at 83.3 ft which is fractured and contains vitreous resinous oil on fracture planes. Similar inclusions of purple to tan, semi-lithographic dolomite at 86.2 ft and 86.7 ft. Zone of large circular crystal faces of pyrite, very abundant, between 87.1 ft and 87.4 ft.
87.8-88.0	Ash, tuff, gray, brown, crystalline dolomite, fractured, much resinous, tarry oil residue, base has injected fingers of same material into underlying gray shale.
88.0-88.1	Oil shale, gray, faintly laminated.
88.1-88.2	Oil shale as above with zone brown dolomite as in 87.8 ft to 88.0 ft.
88.2-88.5	Oil shale, black and brown, distinctly laminated.
88.5-90.0	Oil shale, black, very faintly laminated.
90.0-90.6	Oil shale, gray to dark gray, some brownish-gray, platy fracturing.