

LITHOLOGIC DESCRIPTION OF USBM ROCK SPRINGS SITE 4 WELL PBC-5
 SWSWNE SEC 15 T 18 N R 106 W SWEETWATER COUNTY, WYOMING

by
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Footage	Description
60.0-61.4	Oil shale, medium gray, firm, abundant crystals, not altered.
61.4-63.4	Oil shale, dark gray to black, medium soft, breaks easily.
63.4-64.1	Missing.
64.1-64.4	Oil shale as in 61.4-63.4'.
64.4-64.6	Ash, sandstone, very fine-grained, buff to gray with contorted zones of sandstone, yellow, coarser-grained, some porosity.
64.6-65.6	Oil shale, medium to dark gray, firm, unaffected.
65.6-65.8	Oil shale as above but badly broken.
65.8-67.1	Oil shale, dark gray, some black, medium soft to firm.
67.1-69.0	Oil shale as above but soft and breaks easily horizontally, heat affected.
69.0-69.5	Oil shale, medium gray to greenish-gray, abundant crystals, firm, hard.
69.5-72.3	Missing.
72.3-72.6	Oil shale, dark gray to black, firm, hard, with thin tan dolomitic zone.
72.6-74.4	Oil shale, gray to tan, rubblized, clayey, highly burned.
74.4-76.6	Oil shale, medium gray to greenish-gray to dark gray, diagonal natural fracture at 75.8-76.2', slightly affected by heat.
76.6-78.5	Oil shale, black, very soft, highly burned.
78.5-78.7	Sandstone or ash, sintered, very hard, many pores.
78.7-78.9	Oil shale, brown and black, highly burned, soft, rubblized, clayey in part.
78.9-79.0	Oil shale, black, firm, slightly heat affected.
79.0-79.2	Ash, siltstone, gray to buff, salt and pepper, sandy, lacy vertical fractures filled with black shale, firm, hard.
79.2-80.1	Oil shale, medium to dark gray, fairly soft, somewhat affected by heat.
80.1-81.3	Oil shale, medium gray to tannish-gray, hard, firm, tan zones probably dolomitic shale or algal.
81.3-82.0	Missing.
82.0-82.4	Oil shale, medium gray, rubblized, heat affected.
82.4-82.9	Oil shale, gray to greenish-gray, many crystals, some veinlets of crystals, hard, firm.
82.9-83.7	Oil shale, broadly banded dark gray, greenish-gray, tan, hard, firm, rare crystal faces.
83.7-84.7	Oil shale, dark gray to black, distinctly laminated with brown to chocolate brown (algal?), separates easily when parted horizontally.
84.7-85.7	Missing.
85.7-87.8	Oil shale, medium to dark gray, highly fractured, slight heat affect.
87.8-87.9	Ash or siltstone, white to gray, sandy, soft, chalky, with black shale partings.
87.9-90.0	Oil shale or mudstone, medium gray, greenish-gray, banded with light gray or tan layers, medium soft.