

LITHOLOGIC DESCRIPTION OF ROCK SPRINGS WELL NO. 2-2
 SESENW SEC 15 T18N R106W SWEETWATER COUNTY, WYOMING

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By

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Footage	Description	Remarks
40.5-42.4	Shale, oil, medium to light gray, finely laminated.	
42.4-43.0	Shale, oil gray to olive drab, contains scattered crystals of mineralization and from 42.8-42.9 a zone of bedded minerals, partly pyritic, fairly hard.	
43.0-43.2	Shale, oil, same as above, slightly darker, less mineralization.	
43.2-45.7	Shale, oil, gray to light gray, silty, minor amounts of same mineral, occasional streak of tan shale.	
45.7-47.3	Shale, oil, medium to dark gray, laminations are apparent, occasional inclusion of sandstone brown, porous, fine-grained, oil-stained.	
47.3-47.4	Sandstone, same type as inclusions above, may be large inclusion.	
47.4-48.5	Shale, oil, medium gray, conchoidal fracturing.	
48.5-49.0	Ash, clay, very fine-grained sandstone, white to tan, fractured and fractures filled with darker shale, porous in part.	
49.0-49.2	Shale, oil, dark gray to sooty black.	
49.2-50.4	Shale, oil, medium gray to olive drab interbedded with streaks of light gray to tan shale layers, mineralization occurs both in veins and scattered through matrix. Iron sulphides, pyritic.	
50.4-52.5	Shale, oil, medium gray, finely laminated.	
52.5-56.0	Shale, oil, principally dark gray with some medium gray zones, probably good yield.	
56.0-56.2	Limestone, lavender to light brown, fine crystalline dolomitic, occasional fracture, some of which are oil-stained.	
56.2-56.8	Shale, oil, light green to tan to dark gray, laminated, iron sulphide minerals, pyritic, both as veins and scattered through matrix.	
56.8-57.1	Limestone, same as 56.0-56.2 with more fractures and resinous residue in fractures.	

Footage	Description	Remarks
57.1-59.5	Shale, oil, tan, olive drab, light to dark gray, considerable iron sulphide mineralization, hard to fracture.	
59.5-59.7	Limestone, lavender to purple, finely crystalline, dolomitic (?) dense.	
59.7-59.9	Shale, oil, olive drab to medium gray, mineralized through most of matrix.	
59.9-60.0	Limestone, dolomitic, granular to sandy, yellowish gray to lavender, occasional fractures with oil stains.	
60.5-61.1	Shale, oil, medium to dark gray, thin limestone as above at 60.7, some mineralization in upper 6 inches.	
61.1-61.4	Sandstone, gray to tan, very fine to medium grained, tightly cemented, fractures filled with shale particles and congealed oil residue.	
61.4-61.9	Shale, oil, interbedded dark gray and tan to medium brown, laminations well defined.	
61.9-63.7	Shale, oil, dark gray to medium gray with several medium brown streaks.	
63.7-63.8	Sandstone, gray to brown, very fine to fine-grained, abundant shale partings in fractures slightly calcareous, tightly cemented.	
63.8-64.8	Shale, oil, tannish gray to medium gray, some laminations.	
64.8-65.8	Shale, oil, dark gray to black with several zones of tan to lavender limey shale, good yield.	
65.8-66.6	Sandstone, pink to tan, very fine-grained, tightly cementing, tuffaceous (?). N-BLD	
66.6-66.8	Shale, oil, black to dark gray, slightly contorted.	
66.8-68.1	Shale, oil, dark tan medium brown, light gray, interbedded semi-lithographic in part.	
68.1-68.5	Limestone, tan, dense to lithographic, very finely crystalline in part.	
68.5-68.7	Shale, gray-green, calcareous, lean.	
68.7-68.8	Limestone, grayish lavender to purple, dense, crystalline, occasional fracture.	
68.8-69.8	Shale, oil, olive drab to light green to greenish-brown, ash and limey clay streak at 69.0, purple limestone streak at 69.4.	

Footage	Description	Remarks
69.8-70.4	Shale, dark gray to black, laminated with brown and tan shale streaks.	
70.4-70.8	Siltstone and ash, light gray, tight and limestone, purple to tan, dense, slightly crystalline fractured with resinous residue in fractures.	
70.8-71.3	Shale, oil, medium to dark shale, finely laminated.	
71.3-71.5	Shale, oil, light gray, lean, conchoidal fractures.	
71.5-72.0	Shale, oil, same as 70.8-71.3.	
72.0-72.1	Sandstone, ash, clay, white to gray, fractured with shale and pyrite filling fractures, very porous.	
72.1-75.3	Shale, gray to gray-green, calcareous interbedded with tan to grayish-brown limestone, dense with shale in matrix.	
75.3-77.4	Shale, light gray to greenish gray, lean slightly calcareous, conchoidal fracturing, stringer of tan limestone at 75.7.	
77.4-77.6	Limestone, brown, granular, dense, hard, with shale partings.	
77.6-78.2	Shale, oil, gray to sooty black interbedded with thin zones tan calcareous shale, slightly contorted.	
78.2-78.4	Limestone, purplish-gray, dense, oil residue in fractures, contorted.	
78.4-79.7	Shale, oil, tan to dark gray in various laminae, thin limey zones at 79.0 and 79.6.	
79.7-80.0	Shale, dark gray to black, good yield. Last .5 inch, tan limestone, sandy.	