

Record of a Deep Well at Oswego, Labette County.

PLATE XXI.

Bored for Oil and Gas.

Reported by H. C. Draper.

	MATERIAL.	Thickness of Strata.	Depth to Bottom of Strata.
1	Soil and Clay.....	6 feet.....	6 feet.
2	Bastard Limestone.....	6 ".....	12 "
3	Black Slate Shale.....	4 ".....	16 "
4	Bluish Sandstone.....	3 ".....	19 "
5	Soapstone Shale.....	4 ".....	23 "
6	Soft Sandstone.....	6 ".....	29 "
7	Dark blue Shale.....	536 ".....	565 "
8	Gas Vein.....		
9	Geode Rock, conglomerate.....	20 feet.....	585 "
10	Bluish gray Lime and Sand Rock, full of grease, very dark and sticky.....	40 ".....	625 "
11	Limestone and Flint.....	75 ".....	700 "

Record of Mound Valley Artesian Well, Labette County.

PLATE XXI.

Drilled with Churn Drill.

Reported by L. P. Crossman.

	MATERIAL.	Thickness of Strata.	Depth to Bottom of Strata.
1	Soil.....	1 feet 8 inches....	1 feet 8 inches.
2	Limestone.....	12 ".....	13 " 8 "
3	Slate Shale.....	4 ".....	17 " 8 "
4	Soapstone Shale—Water.....	4 ".....	21 " 8 "
5	Limestone.....	13 ".....	34 " 8 "
6	Soapstone Shale.....	12 ".....	46 " 8 "
7	Limestone.....	16 ".....	62 " 8 "
8	Soapstone Shale.....	3 ".....	65 " 8 "
9	Sandstone.....	1 ".....	66 " 8 "
10	Soapstone Shale.....	4 ".....	70 " 8 "
11	Sandstone.....	1 ".....	71 " 8 "
12	Strong Water, very soft.....	2 ".....	73 " 8 "
13	Soapstone Shale.....	100 ".....	173 " 8 "
14	Limestone.....	4 inches.....	174 " 8 "
15	Soapstone Shale.....	8 ".....	174 " 8 "
16	Limestone.....	26 feet.....	200 " 8 "
17	Slate Shale—Gas.....	2 ".....	202 " 8 "
18	Slate Shale.....	15 ".....	217 " 8 "
19	Limestone.....	15 ".....	232 " 8 "
20	Soapstone Shale—Salt water.....	44 ".....	276 " 8 "
21	Limestone, dark gray, with strong odor.....	20 ".....	296 " 8 "
22	Slate Shale.....	5 ".....	301 " 8 "
23	Limestone.....	19 ".....	320 " 8 "
24	Slate Shale, very black.....	5 ".....	325 " 8 "
25	Limestone in layers, mixed with Soapstone Shale.....	10 ".....	335 " 8 "
26	Black Slate Shale.....	10 ".....	345 " 8 "
27	Soapstone Shale, mixed with stratas of Slate and Sand Shale, and also some Munding or Sulphur.....	36 feet.....	381 feet 8 inches.
28	Sandstone.....	7 ".....	389 " 8 "
29	Soapstone Shale and thin layers of Sandstone.....	8 ".....	396 " 8 "
30	Conglomerate Rock, exceedingly hard, took five hours to drill through.....	1 ".....	397 " 8 "
31	Dark Slate Shale and some Soapstone Shale, Black Shale.....	42 ".....	439 " 8 "
32	Black Shale.....	2 ".....	441 " 8 "
33	Sandstone—Strong Gas. Coal 4 to 8 inches at 449.....	5 ".....	446 " 8 "
34	Slate Shale, layers of Soapstone Shale, thin layers of Sandstone, some Munding.....	51 ".....	497 " 8 "
35	Soapstone Shale.....	7 ".....	504 " 8 "
36	Slate Shale.....	7 ".....	511 " 8 "
37	Soapstone Shale.....	8 ".....	519 " 8 "
38	COAL.....	1 ".....	520 " 8 "
39	Slate Shale, very black and brittle.....	12 ".....	532 " 8 "
40	Slate Shale, not so black, thin layers of Sandstone and Munding.....	10 ".....	542 " 8 "
41	Sandstone.....	7 ".....	549 " 8 "
42	Soapstone Shale, very soft and sticky, a species of Fire Clay (?), reddish in parts, Slate Shale, very black and hard.....	70 ".....	619 " 8 "
43	Sandstone, white, gradually growing harder until of Grindstone Grit at the bottom.....	2 " 6 inches....	622 " 2 "
44	Soapstone Shale, white, soft, and sticky.....	15 feet.....	637 feet 2 inches.
45	Sandstone, white, Grindstone Grit.....	34 ".....	671 " 2 "
46	Light Soapstone Shale.....	4 ".....	675 " 2 "
47	Black Slate Shale.....	7 ".....	682 " 2 "
48	Black Slate Shale.....	7 ".....	689 " 2 "
49	White Soapstone Shale.....	7 ".....	696 " 2 "
50	Black Slate Shale, some Sand in nugget form, some fossil particles of Limestone.....	7 ".....	703 " 2 "
51	Soapstone Shale, soft, white, with nuggets of Limestone and Sand.....	15 ".....	718 " 2 "
52	Soapstone Shale, very soft and sticky, hard to mix in water.....	5 ".....	723 " 2 "
53	Black Slate Shale.....	7 ".....	730 " 2 "
54	White Soapstone Shale.....	5 ".....	735 " 2 "
55	Black Slate Shale.....	27 " 6 inches....	762 " 8 "

Figure 1.

OSWEGO WELL

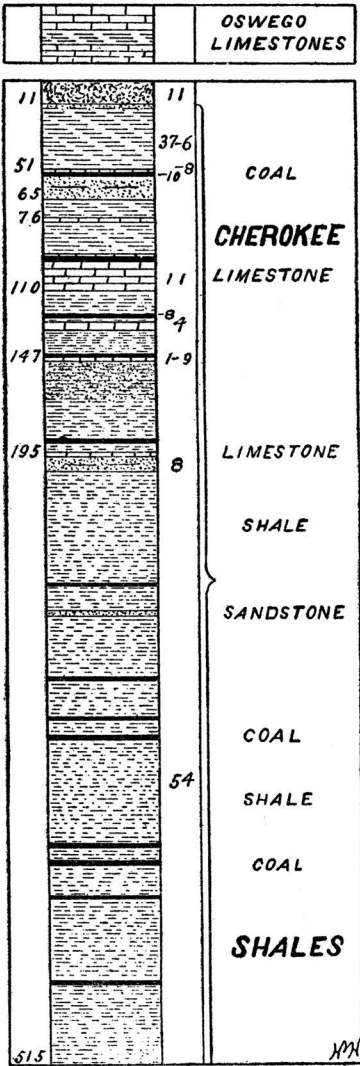


Figure 2.

MOUND VALLEY WELL

