

Record of McFarland Well.

PLATE XXX.

Diamond Drilled Prospect Well at McFarland, Wabaunsee County, Kansas.
 Drilled May to October, 1892. Record furnished by M. C. Bullock Manufacturing Company, Contractors.

	MATERIAL.	Thickness of Strata.	Depth to Bottom of Strata.
1	Loam	2 feet 6 inches...	2 feet 6 inches.
2	Clay	31 " 6 "	34 " "
3	Gravel	5 " "	39 " "
4	Shale, blue	76 " "	115 " "
5	Shale, black, trace of COAL	2 " "	117 " "
6	Shale, blue	42 " 1 inch	159 " 1 inches.
7	Shale, blue, Sand streaks	62 " "	221 " 1 "
8	Shale, Clay, with occasionally Sandstone and Limestone	172 " 5 inches...	393 " 6 "
9	COAL	6 "	394 " "
10	Slate Shale	4 " "	394 " 4 "
11	COAL	3 " "	394 " 7 "
12	Shale, sandy	12 feet 6 "	407 " 1 "
13	Shale, Clay	14 " "	421 " 1 "
14	Shale, sticky	9 " 5 inches...	430 " 6 "
15	Shale, black	4 " "	434 " 6 "
16	Shale, sandy	10 " 9 inches...	445 " 3 "
17	Shale, Clay	21 " 1 "	466 " 4 "
18	Shale, dark Sand and Clay	34 " 1 "	500 " 5 "
19	Shale, Clay	34 " 7 "	535 " "
20	COAL	8 "	535 " 8 "
21	Shale, Clay and Sandstone streaks	46 feet	551 " 8 "
22	Shale, soft Clay	7 " 10 inches...	589 " 6 "
23	Shale, blue Clay with some Lime	12 " 8 "	606 " 2 "
24	Shale	2 " 10 "	609 " "
25	Limestone	5 " "	614 " "
26	Shale	8 " 9 inches...	622 " 9 inches.
27	Shale, sandy, and Sandstone	8 " 7 "	631 " 4 "
28	Shale, dark	19 " 8 "	650 " "
29	Limestone	11 " 5 "	661 " 5 "
30	Shale	7 " 4 "	668 " 9 "
31	Limestone, Shale partings	20 " 7 "	689 " 4 "
32	Shale, dark blue	46 " 4 "	735 " 8 "
33	Limestone	18 " 6 "	754 " 2 "
34	Shale, black	4 " "	758 " 2 "
35	Limestone	13 " 9 inches...	771 " 11 "
36	Sandstone	4 " "	775 " 11 "
37	Shale, Sand and little Limestone streaks	87 " 1 inch	863 " "
38	Limestone	26 " "	889 " "
39	Shale, black	7 " "	896 " "
40	Limestone	3 " "	899 " "
41	Shale, blue	19 " 1 inch	924 " 1 inch.
42	Sandstone, shaly	7 " "	931 " 1 "
43	Sandstone	62 " 11 inches...	984 " "
44	Limestone and Bituminous Shale	1 " "	995 " "
45	COAL	4 " "	996 " "
46	Shale, sandy	1 " "	1,000 " "
47	Shale, Limestone spotted	6 " "	1,006 " "
48	Shale, Sandstone mixed	10 " "	1,016 " "
49	Sandstone, soft	88 " "	1,104 " "
50	Shale	6 " "	1,110 " "
51	Sandstone	4 " "	1,114 " "
52	COAL	6 inches...	1,114 " 6 inches.
53	Sandstone	7 feet 6 "	1,122 " "
54	Limestone, Shale, and Sandstone, conglomerated	11 " "	1,122 " 11 inches.
55	Shale	28 feet 4 "	1,151 " 3 "
56	Limestone	15 " 3 "	1,166 " 6 "
57	Shale	4 " 4 "	1,170 " 10 "
58	Limestone, Shale partings Corrected measurement	16 " 6 ") (13 " 5 ")	1,187 " 4 " 1,200 " 9 " 1,208 " 9 " 1,208 " 3 "
59	Shale, Limestone streaks	18 " 6 inches...	1,227 " "
60	Limestone and Shale	40 " 9 "	1,268 " "
61	Shale and Limestone	92 " "	1,360 " "
62	Shale coring	5 " "	1,365 " "
63	Limestone and Shale	64 " "	1,429 " "
64	Shale coring	1 " "	1,430 " "
65	Limestone and Shale	3 " "	1,433 " "
66	Shale coring	2 " "	1,435 " "
68	Limestone, salty	32 " "	1,467 " "
69	Shale	6 " "	1,473 " "
70	Limestone	25 " "	1,498 " "
71	Shale, black	3 " "	1,501 " "
72	Limestone	1 " "	1,502 " "
73	Shale	10 " "	1,512 " "
74	Limestone	24 " "	1,536 " "
75	Shale, black	5 " "	1,541 " "
76	Shale	68 " "	1,609 " "
77	Limestone	5 " 6 inches...	1,614 " 6 inches.
78	Soapstone or greenish Shale	4 " 6 "	1,624 " "
79	Limestone	12 " "	1,641 " "
80	Shale	12 " "	1,653 " "
81	COAL	1 " 3 inches...	1,654 " 3 inches.
82	Shale, black	2 " "	1,656 " 3 "
83	Shale coring	7 " 9 inches...	1,664 " "
84	Limestone	6 " "	1,670 " "
85	Shale	5 " 9 inches...	1,675 " 9 inches.
86	Limestone	9 " "	1,684 " 9 "
87	Shale, black	1 " 6 inches...	1,686 " 3 "
88	Shale	2 " 4 "	1,688 " 7 "
89	COAL	1 " 4 "	1,689 " 11 "
90	Shale and Limestone	3 " "	1,692 " 11 "
91	Limestone	2 " "	1,694 " 11 "
92	Shale	2 " "	1,696 " 11 "
93	Limestone	3 " "	1,699 " 11 "
94	Shale	3 " 1 inch	1,706 " "
95	Limestone	6 " "	1,709 " "
96	Shale, black	7 " "	1,716 " "
97	Limestone	3 " "	1,719 " "
98	Shale, black	4 " "	1,723 " "
99	Soapstone Shale	1 " 6 inches...	1,724 " 6 inches.
100	Limestone	4 " 6 "	1,729 " "
101	Shale, black	4 " 2 "	1,733 " 2 "
102	COAL	1 " 1 "	1,734 " 3 "
103	Slate Shale	45 " 1 "	1,779 " 4 "
104	Sandstone and Sandy Shale	11 " 2 "	1,790 " 6 "
105	COAL BONE	1 " "	1,790 " 7 "
106	Shale	2 feet	1,792 " 7 "
107	Shale, sandy	10 " "	1,802 " 7 "
108	Shale, black	6 " 4 inches...	1,808 " 11 "
109	COAL	1 " "	1,809 " 11 "
110	Limestone	6 " "	1,815 " 11 "
111	Shale coring	1 " 10 inches...	1,817 " 9 "
112	Shale, black	6 " 11 "	1,824 " 8 "
113	COAL	8 " "	1,825 " 4 "
114	Shale	3 feet	1,828 " 4 "
115	Limestone and Shale, mixed	14 " "	1,842 " 4 "
116	Shale coring	16 " 7 inches...	1,858 " 11 "
117	Shale	14 " 5 "	1,859 " 4 "
118	COAL	1 feet 1 "	1,860 " 5 "
119	Shale	18 " "	1,878 " 5 "
120	Shale, black	12 " 6 inches...	1,890 " 11 "
121	COAL	7 " "	1,891 " 6 "
122	Shale and Soapstone Shale	13 feet	1,904 " 6 "
123	Sandstone	9 " 7 inches...	1,914 " 1 "
124	Shale, sandy	6 " "	1,920 " 1 "
125	Shale, reddish	4 " "	1,924 " 1 "
126	Shale coring	15 " 11 inches...	1,940 " "
127	COAL, poor, or Bituminous Shale	6 " "	1,940 " 6 "
128	Shale, Limestone streaks	17 feet 6 "	1,958 " "
129	Shale, black	14 " 1 "	1,972 " 1 "
130	COAL	1 " "	1,973 " 1 "
131	Shale coring	9 " 10 inches...	1,982 " 11 "
132	Limestone	1 " "	1,983 " 11 "
133	Shale, Limestone streaks	19 " 10 inches...	2,003 " 9 "
	Depth as measured		2,006 " 4 "

McFARLAND WELL

Diamond Drill Core

