

4-11-1861otted

Gramse No. 1,
SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 4, T. 11 S., R. 18 E., Jefferson Co.
Anderson Drilling Co. *Elev 958*

soil	2	lime	802	shale brown	1896
clay	8	shale	865	lime	1898
lime	24	shale dark	885	shale	1900
shale	29	shale light	895	shale light	1940
lime	34	lime	898	shale brown	1945
shale	38	shale light	907	lime dark	1970
lime	45	lime	917	lime brown	2025
shale	70	shale dark	922	lime white	2035
lime	80	lime	925	lime brown	2072
shale	115	shale dark	935	lime white	2087
lime	124	lime	938	shale green	2103
shale	127	shale	948	lime	2107
lime	147	lime	952	shale	2110
shale	152	shale	957	sand	2114
lime	158	lime	960	shale	2130
shale	165	shale	970	lime gr.	2136
lime	173	lime	974	lime brown	2151
shale	280	shale light	978	lime dark	2161
shale dark	304	shale dark	1063	lime grey	2190
lime	310	sand Water	1104	sand	2195
shale dark	425	shale dark	1109	lime grey	2210
lime Water	453	shale light	1141	lime brown	2244
shale	457	shale dark	1143	shale grey	2248
lime	464	chert	1146	lime	2254
shale	483	lime	1149	sand Wilcox	2324
lime	515	shale light	1168		
shale	537	shale dark	1185		
lime	546	shale light	1215		
shale	550	shale dark	1242		
lime	620	shale light	1256		
shale	632	shale dark	1283		
lime	642	shale light	1297		
shale	648	sand	1317		
lime	660	shale dark	1360		
shale	662	sand	1360		
lime	663	shale light	1400		
shale	676	sand	1410		
lime	680	shale light	1435		
shale	685	sand	1450		
lime	687	shale	1462		
shale	689	lime	1465		
lime	691	sand	1480		
shale	694	shale dark	1536		
lime	700	lime grey	1558		
shale	702	shale	1559		
lime	724	lime blue	1600		
shale	733	lime grey	1700		
lime	752	lime brown	1712		
shale	754	lime light	1740		
lime	775	lime white	1755		
shale	777	lime brown	1780		
lime	780	lime dark	1870		
shale	800	shale green	1890		

1870
1536
1700
1712
1740
1755
1780
1870
1890

4-11-186 11-18.

SAMPLE RECORD

State Kansas Co. Jefferson Farm Gramse No. 1 Sec. 4 Twp. 11 Rge. 18 E.

Location

Company Anderson Drilling Co. Date Drilled Feb., 1932.

Elevation Total Depth

Mississippi lime

- 1536- Hard white chert, fine sand, dark shale
- 1536-1541 Hard white chert, buff limestone
- 1540-1560 Hard white chert, buff dense limestone
- 1560-1570 Buff granular limestone, hard white chert, black shale
- 1570-1580 Buff granular limestone, hard white chert, black shale
- 1580-1592 Buff granular limestone, hard white chert, black shale
- 1592-1600 Cream, granular and platy limestone, white chert
- 1600-1620 Cream, granular and platy limestone, white chert
- 1620-1635 Brown chert, buff granular limestone
- 1635-1640 Buff granular limestone, brown chert
- 1640-1645 Buff granular limestone, brown chert
- 1645-1668 Cream granular and platy limestone, white chert
- 1668-1672 Cream granular and platy limestone, white chert
- 1672-1675 Buff crystalline dolomite, white chert
- 1675-1682 Buff crystalline dolomite, white chert
- 1682-1692 White dense and earthy chert, buff dolomite
- 1692-1700 White dense and earthy chert, buff dolomite
- 1700-1712 White dense and earthy chert, buff limestone
- 1712-1723 Buff granular limestone, white chert
- 1723-1740 Cream granular limestone, white chert
- 1740-1752 Cream granular limestone, white chert

Kinderhook shale

- 1752-1870 No sample
- 1870- Soft greenish gray shale
- 1875 Soft greenish gray shale
- 1875-1970 No sample
- 1970-1975 Brown coarsely crystalline dolomite, little sand
- 1975-1980 Brown coarsely crystalline dolomite, little sand
- 1980-1985 Brown coarsely crystalline dolomite, little sand
- 1985-2005 Brown coarsely crystalline dolomite, little sand
- 2005-2040 Brown finely crystalline dolomite.
- 2040-2055 Fine angular sand, few coarse grains, chert.
- 2055-2075 Moderate coarse round sand, light dolomite
- 2080-2086 Moderate coarse round sand, light dolomite
- 2086-2087 Moderate coarse round sand, light dolomite
- 2087-2103 Soft greenish gray shale
- 2103-2136 No sample
- 2136-2140 Brownish chert and dolomite
- 2140-2143 Brownish crystalline dolomite, chert
- 2143-2146 Brownish crystalline dolomite, chert
- 2146-2150 Brownish chert and crystalline dolomite
- 2150-2160 Brownish crystalline dolomite
- 2160-2165 Brownish crystalline dolomite

SAMPLE RECORD

State _____ Co. _____ Farm Gramse No. 1 Sec. 4 Twp. 11 Rge. 18

Location _____ *Jefferson*

Company _____ Date Drilled _____

Elevation _____ Total Depth _____

- 2165-2177 Buff crystalline dolomite
- 2177-2185 Brown crystalline dolomite
- 2185-2190 Brown crystalline dolomite, buff mottled chert
- 2190-2205 Brown crystalline dolomite, buff mottled chert
- 2205-2212 Brown crystalline dolomite, buff mottled chert
- 2212-2217 Brown crystalline dolomite.
- 2217-2222 Buff crystalline dolomite, little chert
- 2222-2227 Brown to dark brown dolomite, brown chert.
- 2225-2244 Brown coarsely crystalline limestone

Simpson formation

- 2244-2250 Fine angular sand, few r. f. grains.
- 2250-2256 "Wilcox" sand (rounded and frosted)
- 2256-2272 "Wilcox" sand (rounded and frosted)