

2911 11/28/99

sect 29

ORIGINAL

Log of well at Bonner Springs, Kansas. 113-2326

3. 0. Hatch  
Professor Hatch, April 4, 1899.  
2911 23E

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T.D. 2000

Beginnings at base of local sandstone of lower coal measures, which is below surface.	
Dark flinty coarse lime	905
Shale	894
Gray limestone	887
Bluish gray flinty lime	904
Coarse light brownish lime	922
Do more flinty	958
Light gray or white flint	973
Light grayish brown flinty	980
Little darker in color	1015
Coarse brownish lime, streaks of impure coal	1020
Very light gray or white flinty lime	1033
Coarse brownish lime, some coal or bituminous streaking	1051
White soft fine grain lime	1056
White flinty lime	1065
Reddish rusty looking flinty lime (pyrites)	1107
Light grayish shaly lime (fossils)	1153
Light brownish or dark grayish plenty of lime	1161
Dark brownish sandy looking lime	1193
Bluish gray, sandy, shaly, lime	1213
Purple shaly lime (smells oily)	1240
Blue clay or clay shale (with pyrites)	1273
Blue shale flat pebbles, look water worn or washed.	1283
A very hard rock	1296
Dark coarse crystalline lime, looks like sand	1298
Fine grain, light brown lime	1304
Fine grain purple lime	1308
Light brownish fine grain lime	1315
Light gray or white fine grain lime	1329
Blue shale, streaked purple slate	1337
Bluish gray lime	1341
Very fine grain, soft lime	1355
Bluish rusty looking lime	1391
Grayish flinty lime	1404
Light gray to white fine grain lime	1411
Light brownish fine grain lime	1426
Gray bluish flinty clear lime	1449
Dark gray flinty lime, crystal grains	1474
Light gray flinty lime, crystal grains, but finer	1494
Little darker flinty lime, coarse grains	1519
Struck water, black when first out, settled clear.	1524
White crystal sand, coarse grained	1534
Pink crystal sand, fine grained	1547
Light reddish rusty looking sand some lime	1561

(1) soiled water  
S. 10-11  
L. 10-11

max. depth 11

(struck water, black when first out, settled clear)

made trap coal

29-11-23

of well at Bonder Springs, Kansas. 115-20E; S. J. Hatch

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Prof. S. J. Hatch

- Dark gray to reddish looking sand, some lime 1561
- Dark gray to reddish looking sand, some lime 1569
- Dark & light rusty, mostly fine (by acid) 1597
- Dark gray flinty lime 1609
- Light gray fine grain, soft lime scales of shale 1631
- Little darker, same texture 1669
- Same with small specks of white chert (possibly) 1692
- Dark gray, fine grained 1705
- Light red bed, brown cones at bottom, thin shale seams 1744
- Dark gray lime, fine grain 1769
- Very light gray or white fine grain lime with shale 1794
- Little darker in color, same texture seemingly more shale 1841
- Alternate stratas, light brown, gray and light gray, fine grain with shale mix 1877
- Light grayish brown lime 1907
- Grayish pitted, brownish and porous by acid, not much lime 1914
- Light grayish brown lime 1939 Light grayish brown lime 1939
- Light grayish brown lime 1957
- Dark brown, lime 1949
- Light fine grain lime 1989
- Dark gray fine grain lime 1969
- Dark gray fine grain lime 1999
- Dark gray fine grain lime 2000

April 4, 1899

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S. J. Hatch  
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