16-11-24W55

NE corner SW¼ 16 - 11 - 24
Trego Co.

Davidson Well No. 1.
Vodi Structure.

Log made up from drillers record and examination of samples.

soil	25
Tertiary Mortar Beds; Cu C O3 + pebbles and rock fragments of various kinds	32
blue and yellow shale	52
blue and yellow shale	70
smokey Hill chalk, white or blue	360
St. Hays limestone white	410
white, finegrained quartz sand with specks of pyrite and fragments of prismatix calcite, probably pieces of Inoceramus	416
blue shale with fragments of prismatic calcite, which are probably pieces of Inoceramus. Shale very calcareous pieces of pyrites present	675
very calcareous crumbly blue shale	660
dark shale cuttings contains grains of sand. shale calcurious	710
limestone with beds of shale. Contains propertys of Inoceramus. From about 660 to 725 are the Flagstone and Post Rock horizons	715
limestone and shale	725
calcureous blue shale (Carlile Shale)	795
black shale	810
angular fine grained quartz sand white dry	815
very fine grained muddy quartz sand	825
fine grained clean white quartz sand	830
brownish yellow sand. This sample consists of small brownish yellow concretions of medium sand grain dimension	840
clean medium grained white quartz sand	850
concretimary sand like that above. Fragments of pyrite are present and there appears to be thin layers of dark shale	855
white quartz sand, angular, fine grained. Some of the small brownish yellow concretions are present. Then are referred to cave	865
dirty quartz sand with shale fragments. Particles of pyrite and some brownish yellow concretions present, the latter referred to cave.	875
blue shale. The sample contains sand grains and some brownish-yellow concretion. water present.	885

W. L. Stryker Exh.

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16-11-24W

small brownish yellowconcretions in calcareus matter. appears to have drilled easily as driller's log describes as soft grey shale	895
small brownish yellow concretions in calcareous matter and layer of black shale	915
light blue shale	920
white quartz sand	925
red and blue shale	930
white quartz sand in an iron oxide matrix	935
red shale with some portions containing small black angular pebbles	945
red shale	950
red shale, the sample contains grains of sand and other rock particles so that some layers probably consist of sand	965
gray shale	970
very fine grained clean quartz sand	980
very fine grained clean quartz sand water	990
limey, light colored shale	995
medium grained clean quartz sand	1005
medium grained clean quartz sand	1015
white, clayey dirty quartz sand	1025
grey shale	1030
fine grained white quartz sand	1040
fine grained white quartz sand with particles of pyrite	1045
fine grained white quartz sand	1075
Concluded the base of the Dakota at 1075'	
dark blue and black shale no fossils observed	1155
blue shale	1160
dark shale and gray sand	1165
grey sand and dark shale	1175
dirty grey sand no salt water	1195
blue shale	1220
dark blue shale	1240
clean white sand	1290
very fine grained clayey sand	1300
medium grained white quartz sand with many well rounded grains.	1305
clean white sand with some separating layer of black shale	1310
white quartz sand with some clay	1315
white quartz sand with many well rounded grains	1320
white quartz sand with many well rounded grains	1325
Concluded the base of the Comanchean at 1325'	
red sandy shale or shaley sandstone	1355
very fine grained shaley sandstone and greenish shale	1360
white clay	1370
red sandysshale or shaley sandstone	1485
white sand with rounded grains. Appears to contain thin layers of red and green shale	1490
white sand with iron oxide cement	1530+
red sandy shale or shaley sandstone	1555
white sand with iron oxide cement. H.F.W. 1560'	1580
white sand with a little iron oxide cement	1795
red sandy shale or shaley sandstone	1880
white sand with some iron oxide cement, many well rounded grains	1915

16-11-24W

white sand with much iron oxide cement, many well rounded grains	1925
very fine quartz sand, every grain heavily coated with iron oxide	1980
red sandy shale or shaley sandstone	2025
white anlydrite or gypsum	2065
white anlydrite or gypsum mixed with yellow clay	2070
white anlydrite or gypsum showing oil at 2085'	2085
red very fine grained shaley sandstone	2150
blue, grey and red shale. interbedded ?	2160
red shale	2300
blue shale	2315
blue and red shale interbedded ?	2320
red shale	2370
red and blue shale interbedded ?	2385
rock salt	2470
grey shale	2490
grey shale with some gypsum and anlydrite	2540
red shale with some gypsum or anlydrite	2560
red, grey, and green shale with some gypsum or analdrite	2565
red shale	2570
red and grey shale in whith thin layers of sand appear to occur	2580
red and grey shale	2590
red and grey shale with some gypsum or anlydrite	2610
greenish shale with some gray sandy shale	2680
red and white sandy shale	2690
red and blue sandy shale	2710
white, grey and red sandy shale with some gypsum or anlydrite	2720
red, grey and light shale with thin fine grained sandy layers	2730
grey and light shales with thin fine grained sandy layers	2740
grey blue shale	2760
grey shale with some limestone	2780
red sandy shale	2830
red shale	2860
yellow and gray sandy shale with some layers of limestone	2870
limestone and grey shale	2880
limestone with a little shale	2885
red shale	2900
limestone with gray shale	2920
blue shale with some limestone	2930
red sandy shale with a little blue shale	2980
white limestone and grey shale	3000
dark grey dolomite limestone	3010
granular limestone	3020
limestone and blue shale	3030
A little gas in limestone at 3030'	