

IOWA BEEF 1 (15-111-20118) T: 19S R: 11E S: 17
Latitude: 38.4032193 Longitude: -96.2100484 Elevation (KB): 1124.0 Depth: 2951.0

Depth	Stratigraphic Units						Rock Color	Lithology Rock Column	Grainsize			Fossils	Remarks
	Members	Formations	Subgroup	Stage	Series	System			Very Fine	Medium	Coarse		
220													220 240 gray platy sh
													240 245 1st
													250 270 fine grain micaceous sst
													270 279 gray silty sh
													279 281 gray micaceous sst
													290 292 gray micaceous sst
													298 300 gray micaceous sst
													308 310 gray micaceous sst
320													
													335 340 black sh
													350 368 gray sandy sh
													368 370 gray sst
													380 400 gray sandy sh
													400 405 dark gray & black sh
													410 420 buff-light tan fine
													420 425 dark gray & black sh
													430 435 dark gray & black sh
													440 457 dark gray sh with gray fossiliferous 1st streaks
													457 463 buff dense fine xln
													465 475 buff dense fine xln
													475 490 gray platy sh
													490 495 brown dense 1st
													500 520 buff-tan dense fine xln soft flaky 1st
520													520 523 gray-black sh
													545 560 gray-black sh
													560 570 buff-tan dense fine
													570 588 gray platy sh sandy
													613 619 buff-brown
													625 630 buff-brown
													635 640 buff-brown
													645 655 fine grain micaceous
													655 670 gray platy sh sandy
													670 695 gray platy sh
		Oread Limestone											695 Oread Limestone
720	Hehner Shale												710 712 gray sh
													720 725 gray sh
													730 732 dense 1st
													740 755 light buff dense fine xln, sucrosic soft flaky 1st
													755 Douglas
													765 775 gray & grayish green
													775 780 fine grain partly
													790 800 fine grain partly
													800 820 gray-brown platy sh
820													820 832 gray & brown fine
													832 840 gray & brown sh
													840 845 gray & brown fine
													850 860 gray & brown fine
													860 880 gray platy sandy sh
													880 895 gray platy sh
													895 900 dark brown dense part
													908 910 platy sh
920													935 940 fine grain sst
													945 950 fine grain sst
													955 970 fine grain sst
													970 985 dark gray platy sh
													985 1000 dark gray platy sh
													Partly sandy
													1000 1010 dark gray play sh
													1010 1030 dark gray platy sh
													Partly sandy
													1030 1040 dark gray play sh
													1040 Lansing
													1050 1060 gray & brown sh
													1060 1062 thin light buff
													1080 1088 gray platy sh
													1088 1100 light buff soft
													1100 1105 black sh
1120													1135 1140 dirty buff dense
													1220 1222 sh
													1232 1235 sh
													1250 1253 sh
													1290 1300 gray platy sh
													1300 1302 black sh
													1310 1315 dark brown very
													1325 1329 gray shaly very
													1335 1355 buff-tan dense fine xln soft flaky & chalky 1st
													1355 1360 gray sh
													1368 1370 gray-black sh
													1377 1400 buff very oolitic slightly oolastic on flaky chalky 1st
													1400 1405 dark gray & black sh
1420													1425 1430 gray sh
													1435 1440 gray sh
													1444 Base KC
													1465 1470 gray-brown fine
													1480 1490 gray-brown shaly sst
													1490 1500 gray sandy sh
													1500 1510 gray-brown fine
													1510 1515 gray-brown fine
1520													1545 1563 gray & brown platy sh little black
													1563 1565 buff-tan dense fine
													1575 1580 buff-tan dense fine
		Pawnee Limestone											1605 Pawnee Limestone
													1615 1625 dark gray & black sh
													1625 1630 shaly dense fine xln
													1645 1650 shaly dense fine xln
													1665 1670 buff-tan dense fine
													1705 1710 dense fine xln 1st
1720													1725 Cherokee
													1815 1830 gray fine grain sst + sandy sh
													1830 1890 gray brown black sh platy sideritic
													1890 1908 gray grayish green sh
													1908 Bartlesville Sand
													1917 1919 1st
													1945 1965 gray & grayish green sh
													1965 1975 dark gray & black sh
													1975 1985 grayish green sh
													1985 2000 drab gray sh
													2000 2030 drab gray sh streaks of black
2020													2030 2050 drab gray sh
													2050 2071 dark gray & black sh
													2071 2081 thin fine grain tite Mississippian
													2087 2100 tan dense fine xln
													2106 2110 tan sucrosic oolitic
													2116 2120 tan dense fine xln
													2140 2150 brown medium coarse
													2150 2175 tan sucrosic slightly vuggy dolo
													2175 2185 tan sucrosic
													2185 2195 buff medium xln very
													2195 2215 tan-light gray sucrosic dolo. vuggy streaks
													2215 2235 dense brown sucrosic dolo very cherty
													2235 2240 dense brown sucrosic
													2257 Osagian
													2290 2295 golden brown dolo
													2325 2347 tan-gray sucrosic granular dolo dove gray chert
													2347 2392 buff coarse medium coarse fine xln dense soft flaky 1st
													2392 2396 dark gray & black sh
													2405 2410 gray calc sh
													2413 2416 sh
													2425 2427 brown dense fine xln
													2452 Kinderhookian
													2500 2525 gray & grayish green sh
2520	Chattanooga Shale												2525 Chattanooga Shale
													2550 Hunton
													2560 2575 buff-tan golden brown sucrosic dolo
													2575 2577 buff 1st trace
													2585 2600 gray medium xln vuggy dense dolo
													2600 2610 white chert
													2610 2620 gray tan granular
													2620 2632 tan brown granular
													2632 2650 gray-buff medium coarse xln vuggy dolo
													2650 2667 brown medium fine xln dense granula dolo tan
													2667 2669 thin sh
													2685 2690 white medium dolom
													2700 2710 fine grain dandy
													2710 2720 gray & green sh fine
													2720 2728 fine grain dandy
													2728 Arbuckle
													2740 2760 buff tan sucrosic granular dolo white chert
													2760 2775 tan gray coarse & medium fine xln dolo vuggy
													2775 2790 buff-tan dense sucrosic dolo
													2790 2810 loose medium sst (very sandy dolo)
													2810 2830 buff tan medium xln granular sucrosic dense fine
													2830 2890 buff medium xln vuggy dolo white chert patly oolitic
													2890 2905 buff medium xln very vuggy dolo white chert patly
													2905 2920 buff medium xln very vuggy dolo white chert patly
													2920 2935 buff light brown medium xln sandy dolo
													2935 2952 buff-gray dense fine xln sucrosic dense dolo
2920													

Primary Rock Lithology</