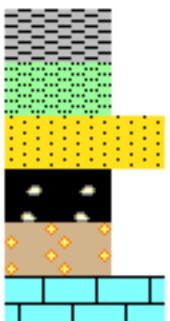
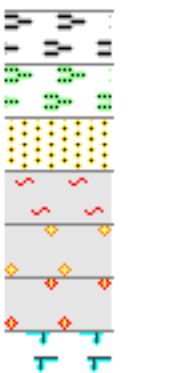


Benskin 1 (15-091-21920) T: 12S R: 23E S: 3
Latitude: 39.0408477 Longitude: -94.8496624 Elevation (GL): 845.0 Depth: 915.0

Depth	Stratigraphic Units						Rock Color	Lithology Rock Column	Grainsize						Sedimentary Structures	Porosity %	Porosity Type	Remarks
	Members	Formations	Subgroup	Stage	Subsystem	System			Very Fine	Fine	Medium	Coarse	Very Coarse	Ext. Large				
100																		100 108 shale 108 118 limestone 118 120 shale 123 128 shale 128 138 limestone 138 141 shale 146 148 shale
150																		160 166 shale 166 187 limestone 187 190 shale 193 196 shale
200	B-KCTY	Hertha Limestone			Upper Missourian	Branson												206 Knobtown 210 216 sh gray silty ss 216 220 ss gray very fine 220 228 sh gray 228 234 sh gray siltstone w/ 234 246 ss very fine grained gray fair porosity shaly NSO 246 252 sh silty gray few ss 252 296 sh gray silty
250																		
300																		296 320 sh gray to black 320 328 siltstone light gray 328 331 sh black 336 340 ss light gray to green 340 353 sh gray to black trace red shale
350																		353 358 siltstone gray limy 358 362 ss very fine grained 362 368 sh gray to green limy 368 369 limestone gray 381 Marmaton 385 394 sh gray 394 402 ls tan to buff 402 420 sh dark gray trace ss no show w/ siltstone light gray interbedded 420 425 ls gray 425 428 sh black fissile 437 451 sh gray to dark gray trace red shale 451 453 sh black fissile
400																		466 Fort Scott Limestone 472 473 ss gray nbo 477 490 sh silty gray 490 498 siltstone gray slight odor no gas no stain 498 502 sh black 502 511 sh gray to dark gray 511 512 pyrite 515 Middle Squirrel Sandstone 525 528 ss dark gray very fine 538 540 siltstone dark gray 546 562 sh gray silty NSO few ss streaks vssso
450		Fort Scott Limestone																562 564 coal black 567 570 ls buff to tan and 574 579 siltstone light gray 579 586 sh gray 586 590 siltstone gray 590 594 sh gray 594 598 sh black 598 600 ls light brown 606 610 ls brown-gray and 610 612 ss gray very fine 621 622 ls gray 630 634 coal black sh 634 638 sh dark gray pyritic 638 644 sh varied colored 644 650 siltstone glauconitic 650 654 sh dark gray to black 654 656 siltstone light gray 660 665 siltstone light gray 665 666 ls tan trace 678 680 sh dark gray 685 Bartlesville Sand 695 700 sh gray 700 716 siltstone gray w/ ss white to light gray lamination NSO quartz 716 744 sh gray
500	Middle Squirrel SS																	744 Cattlemen Sandstone 748 756 sh gray w/ siltstone laminations hard 756 758 ss gray lamination 760 788 ss light gray w/ siltstone light gray laminations very fine grained quartz NSO 788 784 sh gray silty ss 794 804 ss white to light gray very fine grained sub-round 804 806 ss white to light gray 818 820 coal black 822 826 shale gray 826 834 ss light gray very fine grained w/ sh partings NSO 834 840 sh black 840 844 sh gray 844 846 sh black 849 McLouth SS 861 874 sh dark gray 874 875 ss laminations light 886 887 ss light gray very
550	Lower Squirrel SS																	900 915 ls sandy packstone w/ some lightographic dense poor porosity NSO
600																		
650																		
700	Bartlesville Sand																	
750	Cattlemen Sand																	
800	Lower Cattlemen SS																	
850	McLouth SS																	
900																		
950																		



Shale
Silt, Siltstone
Sand, Sandstone
Anthracite Coal
Pyrite
Limestone



Shaly, shale
Silty, Silt
Sandy, sand
Glauconite, Glauconitic
Pyritic, pyrite
Sideritic, siderite
Calcareous

Sedimentary Structure Symbols

Depositional Structures

- Lamination
= Parallel Laminations

Porosity Type

- - Tight