

MARK 'C' 1 (15-171-43341) T: 20 S R: 33 W S: 15
Latitude: 38.3136131 Longitude: -100.9441648 Depth: 5490.0

Latitude: 36.3136131 Longitude: -100.3441646 Depth: 3490.0

Depth	Stratigraphic Units						Rock Color	Lithology	Grainsize	Porosity	Fossils	Remarks	Primary Rock Lithology
	Members	Formations	Subgroup	Stage	System	Series							
4000												4000 4030 cream-light gray dense-fine xln cherty 1st 4030 4042 light gray sucrosic 4042 4045 dark gray sh 4052 4080 white to cream dense-fine xln cherty 1st 4080 4082 black sh 4090 4092 gray sh	Shale Sand, Sandstone Limestone Dolomite
4100												4151 4156 dark gray to black 4175 4205 white-cream dense-fine xln 1st 4205 4217 white-cream 4217 4220 black sh 4225 4243 cream-bray dense-fine xln cherty 1st 4243 4247 dark gray sh	Silty, Silt Sandy, sand Cherty, chert Glauconite, Glauconitic oolitic fossiliferous Calcareous Dolomitic Phosphate, Phosphatic
4200												4283 B-KCTY	
4300	B-KCTY			Upper								4312 Maxmaton 4325 4330 varicolored sh 4335 4340 varicolored sh 4347 4353 varicolored sh 4380 4385 dark gray-black sh 4390 4410 cream dense-fine xln cherty 1st 4410 4415 black sh 4425 4428 gray & dark gray sh 4437 4448 cream gray & buff 4448 4450 gray & dark gray sh 4460 4470 cream gray buff & 4470 4475 dark gray to black 4480 4482 dark gray to black 4490 4492 cream gray buff & 4500 4505 cream gray buff & 4512 4518 cream gray buff & 4520 4530 cream gray buff & 4530 4535 dark gray to black 4540 4543 dark gray to black 4553 4555 black sh 4570 4573 black sh 4580 Morrowan 4590 4595 dark gray & some 4600 4605 dark gray & some	
4400				Middle								4668 St. Louis Limestone	
4500				Lower								4720 4750 cream light gray & buff dense fine-medium & coarse oolitic 1st light gray & pink sub-opaque chert 4750 4810 1st cream-buff dense & not too oolitic fairly abundant white & light gray opaque to sub-opaque chert	
4600		Ste. Genevieve Limestone		Morrowan								4810 4860 1st is brown & lithographic in part 4860 4893 1st is brown & lithographic in part w/ sucrosic dolomitic streaks coarse oolitic in part 4893 Spargen Limestone	
4700		St. Louis Limestone										4960 Warsaw Limestone	
4800				Meramecian								5015 Osagian	
4900				Middle								5090 5105 gray-buff sucrosic to xln coarse oolitic slightly 5105 5160 tan-brown sucrosic to xln fossiliferous dolomitic 1st with fairly abundant light gray - dove gray some opaque to sub-opaque chert 5160 Gilmore City Limestone	
5000				Lower								5265 5310 cream gray & buff dense to xln crinoid 1st buff sucrosic & dolomitic in part 5310 Viola Limestone	
5100				Osagian								5440 5455 gray coarse xln to rhombic dol 5455 5480 gray buff medium to coarse xln 5480 5485 gray buff coarse xln vuggy porosity tripolitic slightly sandy dol oolitic chert	
5200				Kindershookian									
5300				Lower									
5400				Middle									

Legend:

- Primary Rock Lithology:
 - Shale
 - Sand, Sandstone
 - Limestone
 - Dolomite
- Secondary Rock Lithology:
 - Silty, Silt
 - Sandy, sand
 - Cherty, chert
 - Glauconite, Glauconitic
 - oolitic
 - fossiliferous
 - Calcareous
 - Dolomitic
 - Phosphate, Phosphatic
- Fossils:
 - Fresh Water
 - Brackish Water
 - Marine
 - Macrofossils
 - Crinoids
 - Foraminifera
- Porosity Type:
 - Inter-crystalline
 - Vuggy
 - Pinpoint
 - Oolitic