

SAMPLE DESCRIPTION

Pike County
 Union Township
 Section 26

Southern Triangle Oil Co. #1 Wooddell
 Permit No. 27
 Sample No. 1121

DF 773

Top of Black River 2720 in samples, (2709-2720, NS) bentonite and lithographic limestone in 2720-29.

- 0 - 3172 Not Logged.
- 3172 - 3204 Limestone, sublithographic to fine-crystalline, light brown, yellowish-brown, yellowish-gray.
- 3204 - 3214 No samples.
- 3214 - 3238 Limestone, lithographic-sublithographic, light brown and light yellowish-gray; limestone, dense, fossiliferous, argillaceous, medium-dark brownish and greenish-gray; trace of shale, dolomitic, slightly calcareous, dark grayish-green.
- 3238 - 3241 As above; lithographic and sublithographic limestone is medium dark brown.
- 3241 - 3248 As in 3214-3238.
- 3248 - 3262 Dolomite, limey, micro-crystalline, argillaceous, silty, very light-grayish-brown (Wells Creek Dolomite); dolomite is conglomeratic in part; minor limestone as above; trace of shale, pyritic, dark green.
- 3262 - 3279 Dolomite as above, in part very light greenish-gray; minor limestone as above; trace of shale as above.
- 3279 - 3294 Dolomite as above; 40% shale, dark green.
- 3294 - 3308 Dolomite and shale as above, sandy; dolomite, fine-crystalline, sandy, very light gray; sand is fine-coarse-grained, rounded.
- 3308 - 3320 Dolomite, fine-crystalline, white and dolomite, fine-crystalline, glauconitic, sandy, very light and light gray and brownish-gray, (Knox Dolomite at 3305 on GR-N).
- 3320 - 3330 Dolomite, medium-crystalline, very light gray to very light yellowish-brown; trace of chert, white; trace of shale, dark green (cavings).
- 3330 - 3340 Dolomite, fine medium-crystalline, very light yellowish-gray, very slightly glauconitic.
- 3340 - 3347 Dolomite, medium-crystalline, good inter-crystalline porosity in part, glauconitic, sandy, light yellowish-gray and very light yellowish-brown; minor portion grades into dolomitic sandstone; sand is medium and coarse-grained, rounded and subrounded.
- 3347 - 3363 Dolomite as above; minor sandstone, medium and coarse-grained, dolomitic, slightly glauconitic,; dolomite mostly coarse-crystalline.

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- 3363 - 3374 Dolomite, micro-crystalline, very light yellowish-gray and light gray; minor dolomite and sandstone as above.
- 3374 - 3387 Sandstone (siliceous) and sand, medium-coarse-grained, very minor fine-grained; rounded and subrounded; 5% chert, white, sandy; minor dolomite as above.
- 3387 - 3395 Sand, coarse-grained, rounded.
- 3395 - 3402 Sand, medium and fine-medium-grained, rounded and subrounded.
- 3402 - 3405 Sand, medium and coarse-grained, rounded.
- 3405 - 3409 No samples.
- 3409 - 3416 Sand, medium and coarse-grained, rounded.
- 3416 - 3421 Limestone and shale and bentonite cavings; sand and sandstone as above; chert, sandy as above; minor dolomite, very fine-crystalline, very fine sandy, very light gray.
- 3421 - 3423 Sand, fine-medium-grained, subangular and subrounded.
- 3423 - 3428 Dolomite, very fine-crystalline, light medium-yellowish-to grayish-brown; sand as above.
- 3428 - 3435 Dolomite, fine and medium-crystalline, slightly sandy and glauconitic, light medium gray and yellowish to grayish-brown; heavy trace of chert, white, oolitic.
- 3435 - 3440 Dolomite, micro-crystalline, very light yellowish and brownish-gray; 70% sand, fine medium-grained, subangular and rounded.
- 3440 - 3450 Dolomite, micro-crystalline, sandy, light gray, brown; sand as above (fine coarse-grained).
- 3450 - 3456 Dolomite, sandy, glauconitic, fine and medium-crystalline, very light gray and brownish-gray, 10% shale, medium green, smooth; heavy trace of sand, medium coarse-grained, rounded.
- 3456 - 3465 Dolomite as above; trace of shale as above; 70% sand as above.
- 3465 - 3476 Dolomite, micro very fine-crystalline, silty, very light yellowish-gray and light brownish-gray; heavy trace of sand as above.
- 3476 - 3485 Dolomite, micro very fine-crystalline, silty, very light yellowish-gray; dolomitic, fine medium-crystalline, light grayish-brown; heavy trace of sand, medium-grained, rounded.
- 3485 - 3492 Dolomite, fine-crystalline, very light yellowish-gray and very light yellowish to grayish-brown.
- 3492 - 3500 Dolomite, fine-crystalline, very light grayish-brown (very fine sample); 20% chert, white, oolitic.

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- 3500 - 3505 Dolomite as above, and very light gray; trace of chert as above.
- 3505 - 3511 Dolomite, fine and medium-crystalline, very light gray to brownish-gray.
- 3511-3520 Dolomite, dense, very fine-fine-crystalline, very light gray, slightly glauconitic; trace of shale, medium green, smooth; trace of pyrite; trace of sand, fine-grained, rounded.
- 3520 - 3530 Dolomite, fine and medium-crystalline, good inter-crystalline porosity in part, light gray and very light grayish-brown.
- 3530 - 3537 Dolomite, fine-crystalline, dense, light brownish-gray.
- 3537 - 3551 Dolomite, fine-crystalline, silty, very light yellowish-gray and light brownish-gray.
- 3551 - 3560 Dolomite, fine-crystalline, slightly glauconitic, very light yellowish-gray and light brown.
- 3560 - 3568 Dolomite, very fine and fine-crystalline, very light yellowish-gray; heavy trace of chert, white, oolitic.
- 3568 - 3577 Dolomite as above and white, slightly glauconitic; dolomite is sandy; heavy trace of sand, fine coarse-grained, rounded; trace of chert as above.
- 3577 - 3590 Dolomite, very fine-fine-crystalline, light yellowish-gray; trace of sand, medium-grained, rounded (to 3583).
- 3590 - 3598 Dolomite as above; heavy trace of chert, white, pseudo-oolitic.
- 3598 - 3622 Dolomite as above.
- 3622 - 3628 Dolomite, fine-crystalline, light yellowish-gray (extra fine sample); heavy trace of sand, medium and coarse-grained, rounded; trace of shale, medium greenish-gray; trace of chert, white.
- 3628 - 3634 Sand, medium and coarse-grained, rounded; trace of sandstone, silurian; heavy trace of chert, white; trace of shale as above.
- 3634 - 3641 Dolomite, very fine-fine-crystalline, light yellowish-gray and very light brown; trace of sand and chert as above.
- 3641 - 3656 Dolomite, fine and medium-crystalline, porosity (inter-crystalline), light yellowish-gray.
- 3656 - 3665 Dolomite as above, fine-crystalline (sample is very fine).
- 3665 - 3672 Dolomite as above; trace of chert, white.
- 3672 - 3682 Dolomite, fine and medium-crystalline, light yellowish-gray; heavy trace of sand, medium and coarse-grained, rounded.

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- 3682 - 3690 Dolomite as above, in part light brown.
- 3690 - 3699 Dolomite, fine and medium-crystalline, light yellowish-gray; heavy trace of white chert.
- 3699 - 3712 Dolomite as above; trace of white chert.
- 3712 - 3728 Dolomite as above; trace of chert as above; trace of sand, medium-grained, subrounded; chert in pseudo-oolitic.
- 3728 - 3735 Dolomite as above; 30% chert, white.
- 3735 - 3738 Dolomite as above, slightly glauconitic in part; trace of chert, white.
- 3738 - 3745 Dolomite, fine and medium-crystalline, light yellowish-gray; 10% chert, white.
- 3738 - 3754 Dolomite as above; heavy trace of white chert.
- 3754 - 3757 Dolomite as above, very slightly glauconitic in part; trace of white chert.
- 3757 - 3761 No samples.
- 3761 - 3765 "Strong in correction; checked depth"; dolomite, fine and medium-crystalline, light yellowish-gray.
- 3765 - 3767 Dolomite as above, stained yellow in part; heavy trace of chert, white.
- 3767 - 3769 Dolomite as above, good inter-crystalline porosity in part; 10% chert, white.
- 3769 - 3771 Dolomite, fine and medium-crystalline, good inter-crystalline porosity in part, slightly glauconitic in part, very light gray.
- 3771 - 3773 Dolomite, very fine and fine-crystalline, very light brownish-gray; 10% chert, white.
- 3773 - 3778 Dolomite as above; heavy trace of chert, white.
- 3778 - 3787 Dolomite as above; trace of white chert. (To 3785?)
- 3787 - 3797 Dolomite, very fine and fine-crystalline, slightly glauconitic, in part silty and very fine sandy and light yellowish-brown and light yellowish-gray; trace of sandstone, very fine-grained, silty, slightly glauconitic.
- 3797 - 3815 Dolomite as above.
- 3815 - 3830 Dolomite, very fine and fine-crystalline, very light yellowish-gray and yellowish-brown, fair inter-crystalline porosity in part.
- 3830 - 3835 Dolomite as above, non-porous; 5% white chert.
- 3835 - 3847 Dolomite and chert as above; trace of sand, medium-grained, argillaceous.