Curtis R. Longpine
GEOLOGICAL CONSULTANT
Box 55
Ardmore, Oklahoma 73402

LEGEND

SCALE - 100

ZONES OF INTEREST

INTERVAL	SAMPLE DESCRIPTION
Topeka	
2977-2979	Cmmonwhite, fossiliferous, LIMESTONE. Occasional barren porosity.
3009-3013	White-cream, fine crystalline, slightly sucrosic, very slightly chalky-marly, LIMESTONE. Spotted fair intercrystalline porosity. Questionable trace of light stain.
3069-3075	Light tan, fine crystalline, sucrosic, very slightly chalky, LIMESTONE. Poor intercrystalline porosity. Barren.
3110-3116	White, fine crystalline, slightly chalky, slightly fossiliferous, dense, LIMESTONE. Poor intercrystalline porosity. Barren.
3145-3147*	White-cream, fine crystalline, very slightly fossiliferous, slightly chalky, LIMESTONE. Poor intercrystalline porosity, spotted fair vuggular porosity. Very spotted stain. Very slight show free oil. No odor.
3167-3174*	White, fine-dense vuggy crystalline, slightly chalky, very slightly sucrosic, LIMESTONE. Occasional vuggular porosity, poor intercrystalline porosity. Trace stain. No free oil. No odor.
	Samples lost due to bit trip at 3229.
Tonkawa	
3233-3235	
Lansing-Kansas City	
3241-3254*	White, mottled, LIMESTONE. Spotted fair intercrystallic and vuggular porosity. Spotted stain. No free oil. No odor.
3255-3264	Cream-light gray, fine crystalline, chalky-dense, fair intercrystalline porosity. Very spotted light stain. No free oil. No odor.
3270-3275*	Cream, mottled, slightly chalky, LIMESTONE. Occasional fair intercrystalline porosity, spotted fair vuggular spotted stain. Very slight show of free oil. Faint odor.
3276-3334*	Cream, fine crystalline, dense-slightly chalky, LIMESTONE. Spotted fair-good vuggular porosity. Spotted stain. Trace free oil. No odor.
3339-3355	White-cream, slightly oolitic, slightly chalky, LIMESTONE. Very spotted fair intercrystallic and vuggular porosity. Trace stain. No free oil. No odor.
3399-3410*	White-light tan, fine-occasionally medium crystalline, slightly chalky, occasionally sucrosic, occasionally slightly oolitic, fossiliferous, LIMESTONE. Spotted poor intercrystalline porosity, spotted poor-fair intercrystallic, interfossiliferous, occasional vuggular porosity. Spotted stain-occasional saturation. Trace free oil. Weak odor.
3419-3424*	Tan, slightly oolitic, very slightly chalky, LIMESTONE. Spotted fair-good vuggular porosity. Very spotted stain. Occasional saturation. Show of free oil. Faint odor.
3435-3442*	Light gray, slightly oolitic, slightly dense, LIMESTONE. Spotted fair vuggular porosity. Very spotted stain. Occasional saturation. Slight show of free oil. Faint odor.
3462-3464*	Light gray, fine-medium crystalline, fossiliferous, slightly oolitic, very slightly sucrosic, LIMESTONE. Spotted fair-poor intercrystalline porosity, occasional fair intercrystallic and vuggular porosity. Spotted stain-occasional saturation. Good show of heavy free oil. Good odor.
Conglomerate	
3539-3540	White, matrix protect, carbonate cemented, quartz SANDSTONE, tight. Spotted dead oil stain. No free oil. No odor.
Simpson	
3553-3564*	Multi-colored, medium-coarse crystalline, slightly sandy, rhombic, DOLOMITE. Spotted fair intercrystalline and vuggular porosity. Spotted dark stain. Slight show dark free oil. Fair odor.
Arbuckle	
3626-3695*	Cream, medium crystalline, slightly dense, rhombic DOLOMITE, spotted-very spotted fair-poor intercrystalline porosity, occasional fair vuggular porosity. Spotted-very spotted stain. Slight show of free dark heavy oil. Slight-fair odor.
3698-3701	Pink DOLOMITE. As above but with very spotted black tarry stain. No show of free oil. Slight odor.
3701-3790	Cream, gray, pink, fine-coarse crystalline, rhombic DOLOMITE. Light-scattered fair intercrystalline and vuggular porosity. Barren.

* Recommend testing

SUMMARY

This hole was under geological supervision from 2500' to 3790'. (T.D.) Wet and dry samples were examined, analyzed, and logged from 2500' to T.D. No drill time tests or core tests were run. Due to the above mentioned shows of oil and the high structural position, production testing was run on further testing.