Mississippian 2200 -819 -820 -859 -838 Kinderhook 2255 -874 -907 -878 Hunton 2372 -991 -972 -1001 Viola 2409 -1028 Viola 2409 -1028 A. 2,048' FSL & 1,875' FEL 19-21-5E Noble Pet, Koehn #1 B. C SW NW SW 25-21S-4E E.H. Adair, Davis #4 C.	-18 -53 -53 -62 -62 -62 -616 -644 -673 -673 -729 -739 -739	ELEVATION 1381 1375 H MEASURED FI CASING 8 5/8" @ 215' W/ NONE Electric Logs NONE NONE	Mobile Petroleum, Inc. GEOLOGICAL REPORT DRILLING TIME & SAMPLE LOG REPORT PREPARED BY FRANK S. MIZE/GEOLOGIST API#: 15-115-21,439
	1600	Limestone: off white, fine to medium crystalline, fair to good intercrystalline porosity, no show, argillaceous, sme gray shale Shale: red to gray, calcareous Shale: gray Limestone: off white to gray, fine to medium crystalline, very poor intercrystalline porosity, no show Limestone: off white to light gray, medium to coarsely crystalline, dense, little visible porosity, no show Shale: gray Shale: gray	Brown Lime 1638 -257
DRILLING TIME MINUTES/FOOT 1 2 3 5 10 145	1750	Limestone: off white to light brown, fine to coarsely crystalline, poor intercrystalline porosity, no show Limestone: off white to light brown, medium to coarsely crystalline, poor intercrystalline porosity, trace spotted black gilsonitic stain, no odor, no fluorescence, no show free oil Limestone: off white to light gray, medium to coarsely crystalline, dense, little visible porosity, no show Limestone: off white to light gray, medium to coarsely crystalline, dense, little visible porosity, no show, trace oolitic w/little visible interoolitic porosity Limestone: milky beige to gray, medium to coarsely crystalline, dense, no visible porosity, no show Limestone: beige to gray, medium to coarsely crystalline, trace poor intercrystalline and fossil porosity, no show Limestone: beige to gray, medium to coarsely crystalline, trace poor intercrystalline and fossil porosity, no show Limestone: beige to light brown, medium to coarsely crystalline, trace poor intercrystalline and fossil porosity, no show Limestone: beige to gray, some highly argillaceous, medium to coarsely crystalline, dense, little visible porosity, no show Shale: red to reddish brown Limestone: gray, fine crystalline, good intercrystalline porosity, no show	Lansing 1699 -318
	1800	Limestone: off white to gray, coarsely crystalline, dense, no porosity, no show Limestone: off white to gray, coarsely crystalline, dense, no visible porosity, no show Limestone: off white to gray, coarsely crystalline, dense, no porosity, no show Limestone: off white to gray, coarsely crystalline, dense, no porosity, no show, trace gray that to gray that to gray coarsely crystalline, dense, no porosity, no show, trace gray that to gray coarsely crystalline, dense, no porosity, no show Limestone: off white to gray, coarsely crystalline, dense, no porosity, no show Limestone: off white to gray, coarsely crystalline, dense, no porosity, no show Limestone: off white to gray, coarsely crystalline, dense, no porosity, no show Limestone: off white to gray, fine to coarsely crystalline, dense, no visible porosity, no show, trace gray chert Limestone: off white to gray, fine to coarsely crystalline, dense, no porosity, no show, trace gray chert Limestone: off white to gray, fine to coarsely crystalline, dense, very poor intercrystalline porosity, trace gilsonitic stain along fracture, trace gray shale Limestone: mottled light brown, slightly oolitic, poor To fair intercolitic porosity, no snow Shale: dark gray Limestone: light brown, coarsely crystalline, dense,	
	1950	Limestone: light brown, coarsely crystalline, dense, no porosity, lithographic Shale: black, carbonaceous Limestone: gray to tan, some fine crystalline w/fair to good intercrystalline porosity, most coarsely crystalline w/no porosity, no show Limestone: off white, fine crystalline, very dense, little visible porosity, no show Limestone: off white to gray, coarsely crystalline, oolitic, oolicastic, some dense, little visible porosity, no show, much gray shale Limestone: off white to beige, fine crystalline, poor intercrystalline porosity, trace gilsonitic stain along fractured edge Limestone: off white to biege, fine to medium crystalline, very poor intercrystalline porosity, no show, some chalky Shale: black, carbonaceous Limestone: off white to gray, medium to coarsely crystalline, dense, little visible porosity, no show Limestone: off white to beige, coarsely crystalline, dense, no visible porosity, no show, much gray to green shale Limestone: off white to beige, coarsely crystalline, dense, little visible porosity, no show, trace chalky Shale: black, carbonaceous Limestone: off white to beige, coarsely crystalline, dense, little visible porosity, no show, trace chalky Shale: black, carbonaceous Limestone: beige to gray to dark brown, medium to coarsely crystalline, some chalky, little visible porosity	Stark 2002 -621 Hushpuckney 2027 -646
	2100	Limestone: gray, coarsely crystalline, dense, no visible porosity, no show. Limestone: gray, coarsely crystalline, dense. Shale: black. carbonaceous Limestone: gray, coarsely crystalline, dense. Shale: gray to green Shale: gray to dark gray Shale: gray to dark gray Limestone: light brown, medium crystalline, dense, no visible porosity, no show, much gray to dark gray shale Limestone: gray, coarsely crystalline, dense, no visible porosity, no show Shale: gray Limestone: gray, coarsely crystalline, dense, no visible porosity, no show Shale: gray Limestone: brown, coarsely crystalline, no porosity, no show Shale: gray Limestone: brown, coarsely crystalline, no porosity, no show Shale: gray Limestone: tan, medium crystalline, some soft, little visible porosity, no show Shale: gray	BKC 2054 -673 Marmaton 2113 -732 Pawnee 2154 -773
		Limestone: gray to tan, very dense and hard, no visible porosity, no show Shale: gray Limestone: tan, medium crystalline, some soft, little visible porosity, no show Shale: gray to black, w/coal Shale: gray, fissle, very soft Limestone: beige, coarsely crystalline, dense, no porosity, no show Chert: fresh white to yellowish white, sharp, concoidal, trace off white, tripolitic w/ good tripolitic porisity, no show, trace pyrite Chert: fresh white to yellowish white, sharp, concoidal, trace off white, tripolitic w/ good tripolitic porisity, no show, trace pyrite Chert: white to off white, tripolitic w/ good tripolitic porisity, no show, trace pyrite Chert: white to off white, fresh to tripolitic, fair tripolitic porosity, no show Limestone: milky gray to beige, coarsely crystalline, very dense, little visible porosity, no show trace pyrite, much chert Limestone: milky gray to beige, coarsely crystalline, very dense, little visible porosity, no show trace pyrite, fair amount chert Shale: red to gray Shale: gray to greenish gray	Mississippian 2200 -819 Miss Lime 2232 -741 Kinderhook 2255 -874
	2350	Shale: gray to greenish gray Shale: gray to greenish gray Shale: gray to greenish gray Shale: dark gray to brownish red Shale: gray to light green Shale: gray to light gray Shale: gray to dark gray Shale: gray to dark gray Shale: reddish brown Sandstone: off white to brown, medium grained, well sorted free oil, no fluorescence, the very faintest of odor Dolomite: white to off white, medium to coarsely crystalline some white to gray chert Dolomite: milky gray, medium to coarsely crystalline, very good intercrystalline porosity, no show, no odor, no fluorescence	
Comments:	2400	Dolomite: milky gray, medium crystalline, very good intercrystalline porosity, no show Dolomite: gray, fine crystalline, sucrosic, excellent intercrystalline porosity, no show Shale: gray, fissle Shale: green, waxy Dolomite: light gray, fine to medium crystalline, very good to excellent intercrystalline porosity, no show	Maquoketa 2396 -1015 Viola 2409 -1028