Porous Zones
Kewanee Oil Company
Kline #3

Study from Base Kansas City (lime) including Mississippian.

Base Kansas City (4310)-including-Mississipian
This interval (section) made up of alternating members of shale and limestone formations. These limestone members show little or no porosity. Most of interval less than 10%.

Mississippian--4571-80

Dolomite, granular, buff, tan, good porosity, with well developed vugs, well saturated, free oil, (Sonic Log shows average of about 20% porosity.)

Kewanee Kline #3
Core #1
4556-85
(Recovery of 26')

4556-57 Shale, brown, green streaks, spotted throughout.

4557-58 Shale, brown, green, slight show of chert inclusions.

4558-59 Shale, laminated brown and gray.

4559-60 Shale, redish brown, waxy.

4560-61 Shale, brown, waxy.

4561-62 Shale, brown, waxy.

4562-63 Lime, dolomitic, buff, coarse crystalline, dense, argillaceous.

4563-64 Lime, dolomitic, show of slight to fair staining in part, coarse crystalline, dense, only slight show of porosity.

4564-65 Lime, dolomitic, very argillaceous, show of some dead oil staining, scattered quartz grains throughout, no show of porosity.

4565-66 Lime, dolomitic, dense, coarse grain, no show of oil, no show of porosity.

4566-67 Lime, dolomitic, dense, fossiliferous, staining throughout, only slight show of pin-point porosity.

4567-68 Lime, dolomitic, very dense, no show of staining, coarse crystalline

4568-69 Lime, dolomitic, very dense, fossiliferous, tite, slight show porosity, slightly stained, coarse crystalline.

4569-70 Lime, dolomitic, dense, argillaceous, show spotted staining, stylolitic.

4570-71 Lime, dolomitic, slightly stained, no show of porosity, coarse crystalline, fossiliferous, very dense.

4571-72 Dolomite, granular, good oil saturation, good porosity, slightly vugular.

4572-73 Same as above

4573-74 Same as above
(abundance of free oil)

4574-75 Same as above
(vugular-very good porosity)

4575-76 Same as above

4576-77 Same as above

4577-78 Same as above
(Show of green shale with show of glauconite, finer to coarse grain.)

4578-79 Same as above
(Larger vugs, well saturated.)

4579-80 Same as above

4580-81 Dolomite, slightly limey, very dense, traces of quartz grains, argillaceous.

4582-85 No recovery.

Kewanee Kline #3
Core #2
(4592-4642) Full Recovery

4592-93 Lime, slightly dolomitic, very coarse crystalline, some show of glauconite, crystalline well developed.

4593-94 Same as above

4594-95 Dolomite, staining in part, fossiliferous, show of porosity, mealy, slight show of free oil.

4595-96 Dolomitic, slightly mealy, no show, argillaceous, mealy.

4596-97 Dolomitic, tite, mealy, no show, color buff-tan.

4597-98 Same as above.

4598-99 Dolomite, limey, very argillaceous, mealy texture.

4599-4600 Lime, slightly dolomitic, very argillaceous, no show.

4600-01 Same as above.

4601-02 Same as above.

4602-03 Lime, fossiliferous, argillaceous, slight show of staining.

4603-04 Lime, fossiliferous, dense, shaley, no show.

4604-05 Lime, well developed crystalline, argillaceous, no show, fossiliferous.

4605-06 Same as above.

4606-07 Dolomite, mealy, very fossiliferous, fair scattered staining, good porosity.

4607-08 Same as above.

4608-4609 Lime, slightly dolomitic, shaley, no show, well developed crystalline faces, coarse crystalline, fossiliferous.

4609-10 Same as above.

4610-11 Same as above. (Slight show of staining)

4611-12 Same as above.

4612-13 Same as above

4613-14 Lime, buff, shaley, well developed crystalline faces, fossiliferous, dense, coarse crystalline texture.

4614-15 Same as above.

4615-16 Same as above.

4616-17 Same as above.

4617-18 Lime, argillaceous, fossiliferous, well developed crystalline, no show.

4618-19 Dolomite, coarse crystalline, very dense, no show.

4619-20 Dolomite, mealy, porous, fossiliferous, argillaceous.

4620-21 Same as above.

4621-22 Dolomite, very argillaceous, tite, dense, fine to coarse grain, no show.

4622-23 Lime, buff, coarse crystalline, tite, dense, no show of porosity, no show of oil.

4623-24 Dolomite, mealy, tite, dense, no show.

4624-26 Same as above.

4626-27 Dolomite, limey very shaley, dense, tite, no show of porosity or oil, fine crystalline.

4627-28-9 Shale, limey, green, dense,

4629-30 Dolomite, very argillaceous, fine crystalline, tite dense, no show

4630-31 Limestone, fine-medium crystalline, dense, tite, glauconitic, no show

4631-32 Shale, green, hard slightly limey

4632-33 Limestone, interbeded with green shale, limestone slightly dolomitic, shale brown-yellow

4633-34 Dolomite, slightly limey, mealy textured, fine-medium crystalline, dense, tite, no show

4634-35 Shale, limey, green

4635-36 Dolomite, buff, fossiliferous, mealy to fine crystalline, tite, dense, glauconitic, no show

4636-37 Same as above

4636-39 Same as above

4639-40 Limestone, coarse crystalline, glauconitic, tite, dense, will developed crystalline faces, no show

4640-41 Same as above

4641-42 Dolomite, limey, fossiliferous, glauconitic, show of fossiliferous porosity, mealy textured, no show