

SAMPLE LOGNATIONAL COOPERATIVE REFINERY ASSOCIATIONMICHEL NO. 2

SW NE SE of Section 2, T.15 S., R.14 W., Russell County, Kansas.

Elevation: 1715'

Deepening Record: 3175' - 4009'

<u>Depth</u>	<u>Descriptions of Formations</u>
3175-82	Light-gray, fine crystalline, slightly sandy, slightly cherty dolomite
3182-95	White, medium and coarse crystalline, slightly sandy dolomite
3195-3220	White, medium and fine crystalline, slightly sandy dolomite
3220-21	Gray shale
3221-27	White, light-gray and little pink, coarse, crystalline dolomite with few sand grains
3227-36	Light-gray, fine to coarse, cherty, sandy dolomite--some very dark chert
3236-41	Light-gray, fine to medium crystalline, slightly cherty, slightly sandy dolomite
3241-47	Light-gray, fine to medium crystalline, very sandy dolomite
3247-50	Gray and white clay (kaolin)
3250-78	White and light-gray with fragments pink, fine to medium crystalline somewhat sandy dolomite
3278-85	White and light-gray clay (kaolin)
3285-95	Tan and light brown, fine to medium crystalline dolomite
3295-3309	Light-gray and gray, fine to medium crystalline, slightly sandy dolomite
3309-20	White, fine to medium crystalline, sandy dolomite
<u>3320 (-1605') Top Basal sandstone</u>	
3320-36	Light-gray, fine to medium, partly dolomitic angular quartz sandstone
3336-55	Light-gray, medium to coarse, slightly dolomitic, angular, quartz sandstone
3355-61	White, fine to medium, angular, quartz sandstone

- 3361-72 White, medium to coarse, angular quartzitic sandstone with little white mica
- 3372-85 White--clear, very coarse, angular, quartzitic sandstone with little light-green micaceous shale
- 3385-91 Light-gray and pale-pink, coarse, angular, quartzitic sandstone with little white mica
- 3391-3405 White and light-gray to clear, glassy, fine to coarse, crystalline, angular, quartzitic sandstone
(3405-15 Bed of Granite Wash within the thick section of sandstone)
- 3405-15 Weathered pink granite; pink feldspar, quartz grains partly stained pink and a little white mica
- 3415-22 Gray, mostly coarse, angular, glassy, quartz sand with some pink feldspar, little white mica and few fragments of weathered granite
- 3422-80 White--clear, medium and coarse, angular, glassy sandstone with fragments of pink feldspar and white mica
- 3480-3504 White--clear with some rusty, medium grained, angular, glassy sandstone with little white and black mica
- 3504-21 White to clear, medium to coarse grained, angular, glassy sandstone with few fragments of feldspar
- 3521-25 White, medium to coarse, crystalline, non-porous dolomite
- 3525-55 White to clear, medium to coarse grained, angular, quartzitic sandstone with little white and black mica and few fragments feldspar
- 3555-84 White to clear, medium grained, angular, quartzitic sandstone with little white and black mica
- 3584-93 White to clear, medium grained, angular, quartzitic sandstone with little white and black mica
- 3593-3602 Tan, medium grained, angular, quartzitic sandstone with little black and white mica
- 3602-25 White to clear, medium grained, angular, quartzitic sandstone with little black and white mica
- 3625-28 Tan, medium grained, angular quartzitic sandstone with little black and white mica and little light-gray clay
- 3628-3700 White to clear, medium grained, angular quartzitic sandstone with little white mica and fragments of pink feldspar 3639-44' and 3688-90.

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- 3700-3707 Clear, medium to coarse grained, angular, quartzitic sandstone with little white mica
- 3707-35 White to clear, medium, angular, quartzitic sandstone with little white and black mica
- 3735-43 White to clear with fragments pink medium to coarse grained, angular, quartzitic sandstone and little white and black mica
- 3743-91 White to clear, medium with little coarse, angular, quartzitic sandstone and little white and black mica
- 3791-3802 Tan (stained) medium grained, angular, quartzitic sandstone with much black mica
- 3802-17 Light-gray with little tan to clear, medium grained, angular, quartzitic sandstone with little black and white mica
- 3817-29 Light-gray to clear, coarse and medium, angular, quartzitic sandstone with little white and black mica
- 3829-23 Light-gray, medium grained, angular, quartzitic sandstone with some light-gray clay and black mica
- 3835-43 Light-gray to clear, medium and coarse grained, angular, quartzitic sandstone with little white and black mica
- 3843-55 Gray, with little tan to clear, medium with little coarse grained, angular, quartzitic sandstone with much black mica
- 3855-60 Light-gray, fine sandy clay
- 3860-65 Light-gray, very fine, very sandy clay
- 3865-98 Dark-gray to clear, medium grained, angular sandstone with large amount black mica and little white mica
- 3898-3902 Light-gray to clear, medium to coarse grained, angular sandstone with little black mica and pink feldspar
- 3902-07 Gray, fine to medium, angular, quartzitic sandstone with some gray clay and little black mica and pink feldspar
- 3907-30 Gray to clear, fine to medium, angular, quartzitic sandstone with considerable black mica
- 3930-39 Gray to clear, coarse and medium, angular, quartzitic sandstone with much black mica
- 3939-57 Light-gray, very sandy gray clay with little white and black mica

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- 3957-66 Gray to clear, fine to medium, angular, quartzitic sandstone with some black mica
- 3966-78 Medium to coarse, angular, quartzitic sandstone with some white and black mica
- 3978-82 Gray clay with much fine to medium grained, angular sand and little white and black mica
- 3982-85 Gray, fine to medium grained, angular, quartz sandstone with some black mica and little white mica and gray clay
- 3985-93 Clear (rust stained), medium to coarse, angular, quartzitic sandstone with considerable black and little white mica
- 3993-4000 Gray, fine sandy clay and clayey, fine quartz sandstone
- 4000-09 Gray, medium grained, angular, quartzitic sandstone with little white and some black mica
- 4009 Total Depth

Completed microscopical examination
of samples, Wednesday,
December 11, 1946.



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