

Geological Report

Baker #SCZ-I-12
E2-W2-NW, Sec. 26, T18S, R22E
1320' FNL & 990' FWL
Miami County, KS
API #15-121-30194-00-00

Operator: SCZ Resources LLC, Jorge Ranz, 8614 Cedarspur Drive, Houston, TX,
77055

Drilling Contractor: Evans Energy Development

Well Site Geologist: Mark Brecheisen

Date Drilled: August 19th, 2014

Size of Hole: 5 5/8"

Total Depth: 420'

Elevation: 959' (estimated)

Drilling Fluid: Compressed air with fresh water injection

Surface casing: 20' of 7" casing cemented with 3 sacks of cement to surface

Formation Tops: Formation tops have not been correlated to electric logs

Field Name: Paola-Rantoul

Status: Injection Well

Oil Shows: Hepler Sandstone @ 316'-322'
Wayside Sandstone @ 345'-368'

Water Encountered: No appreciable water encountered while drilling.

On Location: August 19th, 2014, 10:37 AM. Drilling depth of 320'; left location @ TD
420' @ approximately 11:23 AM.

Notes: Well cuttings were examined at rig and discarded. Samples of zones of
interest were saved and examined with binocular microscope and UV light.

Top of the Hepler Sandstone @ 316'

316'-322'

Sandstone; light gray to dark brown. Mottled. Very fine-grained. Very well-sorted with angular to subrounded grains. Very micaceous. Very shaley. Better sandstone quality than in other Hepler wells. Friability overall good to very good, with abundant vugular porosity on many sample surfaces. Mottled to even, dark brown oil staining on sample surfaces. Saturation overall good. Sample had a fair petroliferous odor. Fair free oil show to sample surfaces; poor free oil show to pit. 50% mottled to even, variegated yellow hydrocarbon fluorescence. Fairly fast, streaming to blooming, good milky blue cut; no residual oil show to tray after cut

Top of the Wayside Sandstone @ 345'

- 345'-349' Sandstone; light to dark brown. "Sugar sand" section. Very fine to fine-grained. Well-sorted with angular to subrounded grains. Slightly micaceous. Glauconitic. Argillaceous in part. Overall very clean; poorly-cemented grainstone. Friability overall very good to excellent, with abundant vugular porosity on many sample surfaces. Slightly mottled to even, light to dark brown oil staining on sample surfaces. Saturation overall fair to good. Oil saturation increased between 346'-348'. No perforations should be above 348'. Sample had a good petroliferous odor. Good free oil show to sample surfaces and to pit. 70% slightly mottled to even, variegated yellow hydrocarbon fluorescence. Slow, streaming to blooming, good milky blue cut; good residual oil show to tray after cut
- 349'-353' Sandstone; dark brown. "Sugar sand" section. Very fine to fine-grained. Well-sorted with angular to subrounded grains. Slightly micaceous. Glauconitic. Few shale laminations present. Very clean; poorly-cemented grainstone. Friability overall excellent, with abundant vugular porosity on many sample surfaces. Slightly mottled to even, dark brown oil staining on sample surfaces. Saturation overall very good. Sample had a very strong petroliferous odor. Very strong free oil show to sample surfaces and to pit. 45% slightly mottled to even, variegated yellow hydrocarbon fluorescence. Fast, even, very strong milky blue cut; very strong residual oil show to tray after cut
- 353'-357' Sandstone; dark to very dark brown. Mottled in part. Very fine to fine-grained. Well-sorted with angular to subrounded grains. Slightly micaceous. Glauconitic. Traces of non-porous, interbedded limestone present in sample. Sample is a mixture of porous, calcareous sandstone and "sugar sandstone". Abundance of individual sand grains on sample surfaces indicates a larger percentage of "sugar sand" in this section than was obtained. Friability overall fair to excellent, with abundant vugular porosity on sample surfaces. Mottled to even, dark to very dark brown oil staining on sample surfaces. Saturation overall very good to excellent. Sample had a very strong petroliferous odor. Very strong free oil show to sample surfaces and to pit. 40-45% slightly mottled to even, variegated yellow hydrocarbon fluorescence. Instantaneous, even, excellent milky blue cut; strong residual oil show to tray after cut
- 357'-360' Sandstone; medium-dark to dark brown. Sample collected is porous, calcareous sandstone. Very fine to fine-grained. Well-sorted with angular to subrounded grains. Slightly micaceous. Glauconitic. Friability overall fair, with abundant vugular porosity on sample surfaces. Traces of

interbedded shale present. Mottled to even, medium-dark to dark brown oil staining on sample surfaces. Saturation overall very good. Sample had a very strong petroliferous odor. Very strong free oil show to sample surfaces and to pit. 90-95% even, medium-bright yellow hydrocarbon fluorescence. Very fast, even, excellent milky blue cut; excellent residual oil show to tray after cut

360'-364'

Sandstone; dark to very dark brown. Mottled in part. Very fine to fine-grained. Well-sorted with angular to subrounded grains. Slightly micaceous. Glauconitic. Majority of sample is porous, calcareous sandstone. Presence of abundant, individual sand grains coating sample surfaces indicates a higher percentage of "sugar sand" in this footage than was collected. Friability overall fair to excellent, with abundant vugular porosity on sample surfaces. Mostly even, dark to very dark brown oil staining on sample surfaces. Saturation overall excellent. Sample had an excellent petroliferous odor. Excellent free oil show to sample surfaces and to pit. 90-98% mostly even, variegated yellow hydrocarbon fluorescence. Very fast, even, excellent milky blue cut; excellent residual oil show to tray after cut

364'-368'

Sandstone; dark to very dark brown. Mottled in part. Very fine to fine-grained. Well-sorted with angular to subrounded grains. Slightly micaceous. Glauconitic. Traces of non-porous, interbedded limestone present. Traces of shale present in sample. Calcareous in part, with "sugar sand" present in sample. Friability overall fair to excellent, with abundant vugular porosity on sample surfaces. Mottled to even, dark to very dark brown oil staining on sample surfaces, with free oil show around some vugular pores. Saturation overall excellent. Sample had an excellent petroliferous odor. Excellent free oil show to sample surfaces and to pit. 366'-368'; best free oil show to pit in well. 70-75% mottled to mostly even, variegated yellow hydrocarbon fluorescence. Fast, even, very strong milky blue cut; very strong residual oil show to tray after cut

TD 420' @ approximately 11:23 AM, August 19th, 2014

