

Leigh M. Raymond

Oil & Gas Exploration

Four Decades of Experience

2020 Hillview Road
Lawrence, Kansas 66046
316-807-4021

Kelley Edgar Oil & Gas Operations — Weber "A" (15-191-22771) **Berentz Drilling, Rig Contractor**

E2 E2 SE 19-32s-1e
1320' FSL, 330' FEL
Sumner County, Kansas
Elevation: 1220' KB

Completed: 4/25/2015
Plugged: 4/25/2015
Surface Casing: 312'/175 sacks (3% cc)
Total Depth: 4096'

The following are sample descriptions of interest, as correlated with the open hole logs:

STALNAKER (2634' -1214)

2634'-2678'

Much gray and black shale, some sandstone, angular to sub-rounded, small to large, poorly sorted, well-cemented. No visible porosity, no show.

2668'-2702'

Increase in clean sand (with some sandy limestone). Well-sorted, sub-rounded, large grained, good visible intergranular porosity. Abundant rainbows. No fluorescence or odor.

2702'-2752'

As above; clean sand, no show.

KANSAS CITY (2998 -1778)

3050'-3058' — Limestone

White and tan, very soft, fossiliferous. No visible porosity. Abundant bright yellow fluorescence and fair cut, slight odor. No show free oil.

3067'-3083' — Limestone

White and tan, some gray, some soft, very finely crystalline to sucrosic, fair (?) inter-crystalline porosity. Bright fluorescence with very bright fluorescent cut. Rare small bead of light distillate. No odor.

3102'-3112' – Limestone

Gray, finely crystalline to sucrosic, good pinpoint porosity. Bright fluorescence with good bright cut. Occasional good show, light brown oil. No odor.

MISSISSIPPIAN (3648' -2431)

3684'-3702' – Limestone

Tan and gray, Abundant oil rainbows. No odor, no fluorescence.

3760'-3768' – Limestone

Gray, white, tan, brown. Dense to crystalline, hard, no porosity. Abundant oil rainbows and rare pieces with dull yellow fluorescence but no cut. No odor.

3925'-3934' – Dolomite

Mostly gray and some tan. Crystalline. Fair, very small pinpoint porosity. Possible faint odor, frequent dull fluorescence with fair dull cut. No free oil.

SIMPSON (4068' -2848)

4068'-4081' – Sandstone

Angular, fine-grained, well-cemented with no visible porosity, becoming medium grained and clean with fair to good pinpoint porosity with depth. No show.

CONCLUSIONS

This well ran 55 feet low on the top of the Simpson Sand to the Weber #1-20, a marginal Simpson Sand well 3/8th of a mile to the northeast, and was plugged as a dry hole due to low structural position and lack of commercial shows.

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Oil and Gas Exploration Consultant

Association of Petroleum Geochemical Explorationists, Charter Member