HPP 172

Empire Oil & Refining Co.,
Russell County, Kansas.
SE NW NW.

Sec.21; T.14S; R.13W.
Sherwood #1.
By A. S. Price.

Elev 1803 DF, 5 R.

3135 to 3142....Limestone, light-brown, cryptocrystalline. Shale,grey,trace red 25%.
3142 to 3150....Limestone, light-brown, cryptocrystalline. Shale,grey, trace red 30%.
3150 to 3154.... " " " " " " " 40%.
3154 to 3165.... " " " " " " " 30%.
3165 to 3170....Shale, light-grey.
3170 to 3175....Shale,grey, some green and red.
3175 to 3185....Limestone, light-brown. Shale,grey, some green and red.
3185 to 3192.... " " " " " " " " "
3192 to 3200....Shale, grey. Limestone 20%.
3200 to 3206....Limestone, light-brown and Shale,grey.
3206 to 3209....Shale,grey, red. Limestone, brown, cream. Trace chert.
3209 to 3216....Limestone, light-brown. Shale,grey and red 25%.
3216 to 3220....Shale,grey, black. Limestone 5%.

3225 to 3230....Limestone, light-brown, cream 70%. Shale,grey, some green and red.
3230 to 3234....Limestone, cream. Shale,grey, trace red.
3234 to 3240....Sand, coarse to fine, round. Shale,grey, black, trace red.
Limestone, light-brown. TOP PENNSYLVANIAN BASAL CONGLOMERATE 3234'.
3240 to 3245....Missing.
3245 to 3248....Sand, fine to medium, subangular. Dolomite, cream, crystalline 30%.
3248 to 3251....Dolomite, cream, crystalline. Fine angular, quartz grains.
3251 to 3259....Dolomite, cream, crystalline, slightly arenaceous. TOP SILICEOUS LIME 3248'
3259 to 3278.....Missing.
3278 to 3285....Dolomite, cream, crystalline.
3285 to 3290....Sand, fine to medium, angular. TOP CAMBRIAN SAND 3285'.
3290 to 3294....Sand, medium, angular.
3294 to 3297....Sand, medium angular and fine.
3297 to 3302....Sand, fine, medium, angular, some round.
3302 to 3332.... " " " " " "