

FIELD and LABORATORY SAMPLE EXAMINATION

0-1216' Samples not examined

Top of the Upper Squirrel Sandstone at 1216' (-165')

1216-1226' Sandstone, medium gray with a moderately uniform medium brown oil and a heavier dark brown speckled oil staining, fair saturation, mostly loose fairly sorted with sub-angular to sub-rounded fine grains, silty, 16-18% porosity, slightly micaceous, free oil bleed and good oil show on the pit noted on the drillers log, free oil on water when washed, strong petroliferous odor, microscopic gas bubbles popping on cuttings surface, 70-80% heavy evenly speckled bright yellowish-green hydrocarbon fluorescence, slightly broken with light gray sand, 12-16% porosity, traces of shale laminations present

1226-1390' Samples not examined

Top of the Upper Bartlesville Sandstone at 1390' (-339')

1390-1394' Sandstone, medium-light gray, mottled dark brown oil staining, very fine grained, well sorted, sub-rounded, silty cementation, fairly friable, fair saturation, 14-16% porosity, broken with shale laminations, micaceous, calcareous, fair petroliferous odor, 50-60% heavily mottled bright yellowish-green hydrocarbon fluorescence

1394-1410' Sandstone, medium-light gray, mottled dark brown to black oil staining, fine grained, well sorted, sub-rounded, silty cementation, friable, fair to good saturation, 16-18% porosity, slightly broken with shale laminations, micaceous, calcareous, good petroliferous odor, 75-85% heavily mottled to uniform bright yellowish hydrocarbon fluorescence

1410-1440' Sandstone, medium gray, speckled black oil staining, coarser sand grains have a light brown oil staining, 70% of chips have very fine well cemented grains and 30% of chips have coarse, loosely cemented grains, 14-16% porosity, calcareous, abundant shale laminations, micaceous, calcareous, fair petroliferous odor, 30-40% mottled medium-bright yellow hydrocarbon fluorescence

1440-1462' Shale, medium-light gray, silty to almost sandy in some samples, no petroliferous odor, no fluorescence

Top of the Lower Bartlesville Sandstone at 1462' (-411')

1462-1465' Sandstone, light yellowish-gray, loose well sorted fine grains, good porosity, gas bubbles observed popping on surface, no petroliferous odor, no fluorescence

1465-1470' Sandstone, light-gray with a faint yellowish-gray stain, pale yellowish-orange oil bleed, loose well sorted medium-fine grains, friable, good porosity ~18-20%, gas bubbles observed popping on cuttings surface, slightly calcareous, very little silt, rainbow sheen on pit, fair petroliferous odor, 10-20% mottled medium-bright yellow fluorescence