

CITIES SERVICE OIL COMPANY
 #1 Yancey A
 580' E of C SW Sec 23-28S-24E
 Crawford County, Kansas

Core Hole #18

Contractor: Exploration Inc.
 GL Elev.: 1007 TD 474
 Drlg. Comm.: 9-8-74
 Drlg. Comp.: 9-9-74



- 0-8 - Sh, dark brown-black, w/white fossil ls, streak fine xln poor porosity, no shows.
- 8-36 - Sh, light gray-gray, w/thin partings of black shale and streaks of fossil, ls, tan, fine xln, poor porosity, no shows.
- 36-48 - Coal seam and black shale, pyritic.
- 48-64 - Ls, tan-brown, mottled, cor-fine xln, very poor porosity w/a few thin partings of dead flaky oil, no shows.
- 64-68 - Sh, black, pyritic, fossil, hard.
- 68-78 - Ls, tan-brown, mottled fossil, medium fine xln, poor porosity, no shows.
- 78-80 - Sh, black, pyritic, w/white fossil ls particles.
- 80-85 - Sh, light gray-gray, silty, w/thin streaks of dead oil.
- 85-88 - Ls, light gray, fine xln, fossil, silty-sandy, poor porosity, no shows.
- 88-94 - Sd, white-light gray, fine grain, silty, poor porosity, no shows.
- 94-174 - Sh, silty-sandy, gray, dark gray w/particles of black, flaky dead oil, mica.
- 174-178 - Sh, black, pyritic, w/white fossil ls, hard.
- 178-182 - Ls, brown-tan mottled, fossil, fine xln, poor porosity, no shows.
- 182-190 - Sh, black-dark gray, fossil, pyritic, slightly silty.
- 190-194 - Ls, brown-tan, mottled fossil, fine-medium xln, pyritic very poor porosity, no shows.
- 194-196 - Sh, black, pyritic.
- 196-200 - Sh, light gray-gray, slightly silty w/thin partings of dead flaky oil.
- 200-210 - Sd, silty, shaley white-light gray, very fine grain, poor porosity mica, w/thin partings of dead flaky oil. no shows.
- 210-220 - Sd, white-gray medium fine grain, very silty, mica, w/particles and partings of dead flaky oil, poor-fair porosity, no shows, no odor.
- 220-230 - Sh, light gray, silty, w/thin partings of dead flaky oil, and stringers of ls, tan-fine xln, pelletal, poor porosity, no shows.
- 230-231 - Coal seam, pyritic.
- 231-240 - Sh, black, pyritic, w/partings of pelletal, tan-brown ls, fine xln, very poor porosity, no shows.
- 240-260 - Sd, silty, fine-medium grain, mica, light gray-gray, poor porosity, w/particles of dead flaky oil. Also thin pelletal ls stringers, no shows.



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- 260-262 - Sh, black, pyritic.
 262-270 - Sh, gray-dark gray, slightly silty, pyritic, w/thin streaks of ls, pelletal brown, fine xln, hard, poor porosity, no shows.
 270-272 - Sh, black w/fossil, ls, particles and pyrite.
 272-284 - Sd, white-light gray, fine-medium grain, fair to poor porosity, mica, w/pelletal ls streaks and grains in the sd, no shows.
 284-285 - Sh, black pyritic, also small amount of coal.
 285-290 - Sh, gray, silty.
 290-320 - Sh, gray, silty w/thin partings of black shale and pelletal ls, brown, poor porosity, no show.
 320-330 - Sh, black-dark gray, silty, pyritic w/partings of ls, brown, silty, poor porosity, no shows.
 330-340 - Sd, white-light gray, silty, fine grain, poor porosity, w/thin stringers of fossil. Ls, and pelletal grains in the sand, no shows.
 340-348 - Sh, gray-dark gray, silty, w/thin streaks of pelletal and fossil ls, brown, very poor porosity, no shows.
 358-370 - Sd, white-gray, fine-medium grain, poor porosity, silty, mica, w/partings of black flaky dead oil, slight show of live-tarry oil, faint odor.
 370-380 - Sh, black-dark gray, fossil, pyritic.
 380-393 - Sh, light gray-gray, silty-sandy, w/thin laminations of dead flaky oil, also thin streaks of pelletal-oolitic ls, brown-tan, very poor porosity, no shows.
 393-420 - Sd, white-gray, medium-fine grain, silty, mica, w/thin partings and particles of dead flaky oil, poor-fair porosity, no odor, no shows.
 420-422 - Coal seam and sh, black, pyritic.
 422-430 - Sh, light gray-gray, silty, w/thin partings of dead flaky oil.
 430-460 - Sh, black, pyrite w/thin stringer of sand, light gray, fine grain, poor porosity, no shows. Also some thin ls streaks, brown, very fine xln, silty, very poor porosity, no shows.
 460-468 - Sd, white-light gray, silty mica, fair-poor porosity w/partings and particles of dead flaky oil, no show.
 468-470 - Coal seam.
 470-472 - Sh, black, pyritic.
 472 - Mississippi
 472-474 - Ls, white, very fine xln, very poor porosity, no show.
 T.D. 474
 SP Log Depth = 468
 Resistivity Log Depth = 469
 GR Log Depth = 469

Mark York, Geologist