

11-28-24E



Core Hole #17

CITIES SERVICE OIL COMPANY
#1 Brentari "A"
520' S of C SW Sec 11-28S-24E
Crawford County, Kansas



Contractor: Exploration, Inc.
GL Elev.: 916 T.D. = 405
Drlg. Comm.: 9-1-74
Drlg. Comp.: 9-8-74

- 0-2 - Top soil
- 2-10 - Ls, tan-light gray, mottled, silty, fine xln, poor porosity, fossil no shows.
- 10-14 - Sh, black, slightly fossil, also thin coal seam.
- 14-22 - Sd, limey, silty, fossil, light gray-gray, mottled, fine grain, very poor porosity, no shows.
- 22-30 - Sh, light gray-gray, silty to sandy, fine grain, poor porosity, no shows.
- 30-80 - Sh, gray, silty, mica, pyritic.
- 80-103 - Sh, light gray-gray, slightly silty.
- 103-104 - Sh, black, pyritic, hard.
- 104-106 - Ls, brown, silty, fine grain, poor porosity, no show.
- 106-110 - Sh, silty, gray-dark gray.
- 110-112 - Ls, tan-brown, mottled, fine xln, fossil, poor porosity, no shows.
- 112-115 - Sh, dark gray-black.
- 115-116 - Ls, tan-brown, mottled, fossil, fine xln, poor porosity, no shows.
- 116-118 - Sh, dark gray-black.
- 118-124 - Sh, black, w/white fossil, ls particles, hard, pyritic.
- 124-130 - Sh, gray-light gray.
- 130-140 - Sd, white-light gray, fine grain, silty, mica w/a few particles of dead flaky oil, very poor porosity, no shows.
- 140-146 - Sh, dark gray-gray w/thin partings of dead flaky oil & silty sand, no shows.
- 146-150 - Sh, black. pyritic, hard.
- 150-156 - Sh, light gray, slightly silty, w/partings of dead flaky oil.
- 156-160 - Ls, silty-sandy, brown, dense, fine xln, poor porosity no shows.
- 160-170 - Sh, light gray-gray w/thin partings of dead flaky oil, also thin laminations of black, pyritic shale.
- 170-178 - Sh, gray-light gray, silty to sandy, very fine grain, poor porosity no shows.
- 178-180 - Sd, white-light gray, fine grain, poor porosity, no shows, mica.
- 180-190 - Sh, silty, gray-dark gray.
- 190-192 - Coal seam.
- 192-194 - Sh, black, pyritic, hard.
- 194-200 - Sh, gray-dark gray, silty-sandy, poor porosity, no shows also thin partings of ls, fossil, brown, fine xln.

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- 200-202 - Ls, brown, pelletal, very poor porosity, no shows.
- 202-246 - Sd, white-light gray, fine-medium grain, very poor porosity, mica, silty, w/a few pelletal grains, no shows.
- 216-220 - Sh, light gray-gray, silty.
- 220-234 - Sh, light gray-light green, w/pelletal grains.
- 234-236 - Sd, white, slty, fine grain, mica, very poor porosity, hard, no shows, a few particles of dead flaky oil, also some pelletal ls, brown, fine xln, dense.
- 236-273 - Coal seam.
- 237-243 - Sh, light gray-brown, silty, w/a few pelletal grains.
- 243-245 - Coal seam.
- 245-260 - Sh, gray-black, slightly silty, pyritic & slightly fossil, w/thin stringers brown ls, fine xln, poor porosity, no shows, also thin stringers of sand, white, silty, fine grain, poor porosity, no shows.
- 260-274 - Sd, white-light gray, fine grain, silty, poor porosity, mica, w/thin partings of dead flaky oil, no shows.
- 274-276 - Sh, black, pyritic.
- 276-280 - Sh, dark gray, silty, w/some pelletal-like grains.
- 280-281 - Coal seam.
- 281-290 - Sd, white-light gray, silty, mica, fine grain, w/thin laminations of dead flaky oil, poor porosity, no shows.
- 290-300 - Sh, silty-sand, light gray, w/pelletal grains, very fine grain, poor porosity, no shows.
- 300-310 - Sh, gray, silty, w/thin partings of dead flaky oil, also thin stringers of ls, pelletal brown, poor porosity, no shows.
- 310-312 - Coal seam and black sh, pyritic, hard.
- 312-320 - Sh, silty-sandy, gray-light gray, w/thin partings of dead oil, very fine grain, poor porosity, no shows. Also ls. stringers, pelletal fine xln, no shows.
- 320-344 - Sd, gray very silty, mica, fine to medium grain w/partings and particles of dead flaky oil, also thin stringers of ls, tan, fine xln, poor porosity, no shows.
- 344-346 - Coal seam, black pyritic shale.
- 346-360 - Sh, dark gray-gray, silty, w/thin partings of dead flaky oil.
- 360-390 - Sh, dark gray-black, pyritic, w/thin stringers of brown, pelletal ls, fine xln, poor porosity, no shows. Also thin laminations of silty shaley sand, fine grain, poor porosity, no shows.
- 390-392 - Sh, black, pyritic.
- 392-400 - Sd, white-light gray, silty, fine to medium grain, fair-poor porosity cuttings bleeding and sat. w/tarry-live oil, strong odor.
- 400-404 - Sh, black, pyritic.
- 404 - Mississippi
- 404-405 - Ls, white-gray, mottled, fine xln, poor porosity, fossil, no shows.
TD 405
SP Log Depth = 401
Resistivity Log Depth = 400
GR Log Depth = 401

Mark York, Geologist