

SAMPLE LOG

DRILL HOLE: Hiller # 30
PROP. OWNER: John Hiller
DRILL CONTRACTOR: V W & B Drilling
DRILL OPERATOR: Billman
DATE STARTED: 12-29-79
CASING LEFT IN HOLE:

LOC:
LOGGED BY: MRG
ELEV: 842'
DATE COMPLETED: 1-2-80
TOTAL DEPTH: 302'

- 30 - 40 - Limestone, gray-tan, silty and crystalline, fossiliferous 70%; shale, gray-black, silty 30%
- 40 - 50 - Limestone, gray-tan, silty and crystalline, fossiliferous (favosities coral) 85%; shale, black, silty 15%
- 50 - 60 - Shale, light gray-gray, silty, carbonaceous 90%; limestone, medium gray, silty, locally carbonaceous 10%
- 60 - 70 - Shale, dark gray, silty, carbonaceous 90%; shale, light gray, very silty, poorly indurated 10%
- 70 - 120 - Shale, dark gray, silty, carbonaceous
- 120 - 130 - Shale, dark gray, silty, carbonaceous 90%; shale, black, silty, trace of pyrite 10%
- 130 - 140 - Shale, dark gray, silty, carbonaceous 80%; shale, black, silty and fossiliferous, very calcareous 20%
- 140 - 150 - Shale, black, silty, very calcareous 60%; shale, gray, silty, calcareous 25%; limestone, tan-brown, silty and crystalline 15%
- 150 - 160 - Shale, dark gray-black, silty, very calcareous, trace of pyrite 80%; limestone, tan, mostly crystalline 10%; siltstone, gray, trace of pyrite 10%
- 160 - 170 - Shale, gray, silty, trace of pyrite, micaceous 70%; siltstone, light gray, trace of pyrite 30%
- 170 - 175 - Shale, gray, silty, micaceous, and carbonaceous, locally carbonaceous material being replaced by pyrite 90%; sandstone, fine grained, brown, micaceous, locally carbonaceous 10%; U.V. good show
- 175 - Sandstone, fine grained, brown, micaceous, locally carbonaceous 75%; shale, gray, silty, micaceous and carbonaceous 25%; U.V. good show

CORE # 1 - 175 - 195.2

- 175.0 - 195.2 - Sandstone, fine grained, brown, micaceous; shale pebbles (rip clasts) 175.0 - 175.1 largest 2" by ½", 177.0 - 177.3 largest 3/8" x 3/8", 182.0 1" x 1", 187.9 - 188.2 largest 3/4" x ½", 181.1 3" x 1". Micaceous partings 176.1, 178.5, 185.5 - 185.7. Carbonaceous laminations 175.3, 179.5 - 179.9, 180.8, 180.9 - 181.2, 181.7 - 182.1. Sand laminated with carbonaceous and micaceous material 188.7 - 191.4. Relic bedding 186.6, 187.1 70° from core axis. Shale break 188.3 - 188.5. Interval from 175 - 187.3 oozes free oil, below 187.3 sand becomes watery; numerous water beads on freshly broken surfaces below 187.3.
- 195 - 200 - Sandstone, fine grained, brown, micaceous and carbonaceous 70%; U.V. good show; shale, sandy, gray, micaceous and carbonaceous 30%
- 200 - 205 - Sandstone, fine grained, brown, micaceous and carbonaceous 90%; U.V. good show; sandstone, gray, fine grained, micaceous and carbonaceous 10%
- 205 - 210 - Sandstone, fine grained, brown, micaceous, locally carbonaceous 95%; shale, gray-black, silty, carbonaceous 5%
- 210 - 215 - Sandstone, fine grained, brown, micaceous and carbonaceous 60%; U.V. fair show; shale, gray, silty, carbonaceous, trace of pyrite 25%; shale, black, silty, calcareous 15%

- 215 - 220 - Sandstone, fine grained, brown, micaceous and carbonaceous 85%; U.V. fair show; shale, gray, silty, carbonaceous, trace of pyrite 14.9%; limestone, tan, trace
- 220 - 225 - Sandstone, fine grained, brown, micaceous and carbonaceous 40%; U.V. poor show; shale, black, silty, 20%; limestone, gray, silty 20%; shale, gray, silty, trace of pyrite 20%
- 225 - 230 - Sandstone, fine grained, brown, micaceous and carbonaceous 60%; U.V. poor show; shale, black, silty 20%; shale, gray, silty, slightly calcareous 20%
- 230 - 235 - Sandstone, fine grained, brown, micaceous and carbonaceous 70%; U.V. poor show; shale, gray, silty, locally carbonaceous, trace of pyrite 15%; shale, black, silty, micaceous 15%
- 235 - 240 - Sandstone, fine grained, gray, micaceous and carbonaceous 45%; shale, gray, silty, carbonaceous 40%; shale, black, silty, calcareous 15%
- 240 - 245 - Sandstone, fine grained, gray, micaceous and carbonaceous 45%; shale, gray, silty, carbonaceous 45%; shale, black, silty 9.9%; limestone, tan, trace
- 245 - 250 - Sandstone, gray, fine grained, micaceous and carbonaceous 95%; shale, black, silty 5%
- 250 - 260 - Shale, gray, sandy, micaceous and carbonaceous 90%; shale, black, silty 10%
- 260 - 270 - Shale, black, silty, calcareous 70%; siltstone, gray, carbonaceous, trace of pyrite 30%
- 270 - 280 - Siltstone, greenish, glauconitic 35%; shale, gray, silty, carbonaceous 35%; shale, black, silty, calcareous 30%
- 280 - 290 - Siltstone, gray & greenish, locally glauconitic, local concentrations of well rounded, brown, quartz grains 90%; shale, black, silty, calcareous 10%
- 290 - 302 - Shale, black, silty 50%; shale, gray, silty, carbonaceous 25%; siltstone, greenish and gray, locally glauconitic, local concentrations of well rounded, light brown, quartz grains 25%