# SAMPLE LOG

**DRILL HOLE:** Hiller #16
**PROP. OWNER:** John Hiller
**DRILL CONTRACTOR:** Lamampco
**DRILL OPERATOR:** Jim Miller
**DATE STARTED:** 1-14-80
**CASING LEFT IN HOLE:**

**LOC:**

**LOGGED BY:** MRG
**ELEV:** 844.14
**DATE COMPLETED:** 1-15-80
**TOTAL DEPTH:** 300'

30 - 40 - Limestone, light gray-tan, fossiliferous 75%; U.V. poor show; shale, dark gray black, silty, very calcareous 25%
40 - 50 - Limestone, brown, fossiliferous 90%; U.V. poor show; shale, black, limey, locally fossiliferous 10%
50 - 60 - Limestone, brown, fossiliferous, favosites corals, locally carbonaceous 100%; U.V. poor show
60 - 70 - Shale, black, silty, trace of pyrite 95%; limestone, light gray, silty 5%
70 - 80 - Siltstone, gray, locally carbonaceous, calcareous 70%; shale, black, silty, trace of pyrite 30%
80 - 90 - Siltstone, gray, locally carbonaceous, calcareous 100%; U.V. fair show
90 - 100 - Shale, gray, silty 95%; siltstone, gray, micaceous and carbonaceous 5%
100 - 130 - Shale, gray, silty 100%
130 - 140 - Shale, black, silty, calcareous 60%; shale, gray, silty 40%
140 - 150 - Shale, black, silty, very calcareous 85%; shale, gray, silty 15%
150 - 160 - Shale, black, silty, calcareous 80%; limestone, buff, light gray 15%; coal fragments 5%
160 - 170 - Siltstone, gray, micaceous and carbonaceous 60%; shale, black, silty 20%; limestone, light gray, locally carbonaceous 20%
170 - 173 - Shale, dark gray, silty 70%; sandstone, gray and brown, fine grained, micaceous and carbonaceous 20%; U.V. good show; shale, black, silty, limey, fossiliferous 10%
173 - Sandstone, fine grained, brown, micaceous, locally carbonaceous 50%; U.V. good show; shale, gray, silty, locally carbonaceous 50%

CORE # 1 - 173 - 193.2

173.0 - 193.2 - Sandstone, fine grained, brown, micaceous. Carbonaceous laminations 173.1 ≈ 80° from core axis, 175.8 horizontal; 175.2 - 175.7 horizontal; 178.9 ≈ 80° from core axis, 179.9 - 180.1 horizontal, 184.0 horizontal. Shale pebbles 180.1 - 180.2 ½" by ½". Interlaminated shale and carbonaceous material 179.9 - 180.0. No oil ooze here. Shale break 185.1 - 186.6 gray and finely laminated with some carbonaceous material. Coal pebbles 188.1 3/4" by ½".

Core oozes free oil from 173.0 - 188.3. First presence of water on freshly broken surface 187.8. Pit show light cover.

194 - 200 - Sandstone, fine grained, brown, micaceous, locally carbonaceous 70%; U.V. good show; shale, gray, silty 30%
200 - 205 - Sandstone, brown and black, fine grained, micaceous, very carbonaceous 100%; U.V. without fluid fair show with good show
205 - 210 - Sandstone, brown-black, fine grained, micaceous, very carboneous 100%; U.V. without fluid fair show with good show
210 - 215 - Sandstone, brown and black, fine grained, micaceous, very carbonaceous 100%; U.V. without fluid fair show with good show

215 - 220 - Sandstone, brown-black, fine grained, micaceous, very carbonaceous 100%; U.V. without fluid poor show with good show

220 - 225 - Sandstone, brown-black, fine grained, micaceous, very carbonaceous 100%; U.V. without fluid poor show with good show

225 - 230 - Sandstone, fine grained brown and black, micaceous, very carbonaceous 90%; U.V. without fluid poor show with fair show; limestone, gray, massive 10%

230 - 235 - Sandstone, fine grained, brown and black, micaceous, very carbonaceous 90%; U.V. without fluid poor show with fair show; shale, gray, silty 5%; shale, black 5%

235 - 240 - Sandstone, gray, fine grained, micaceous and carbonaceous 80%; siltstone, brown 10%; shale, gray, silty, carbonaceous 10%.

240 - 250 - Sandstone, gray, fine grained, micaceous and carbonaceous 60%; shale, gray, silty, carbonaceous 40%

250 - 260 - Shale, gray, silty 90%; siltstone, brown, trace of pyrite 10%

260 - 270 - Shale, dark gray, silty 50%; shale, brown, silty, calcareous, trace of pyrite 50%

270 - 280 - Siltstone, gray, calcareous 85%; shale, black, silty, trace of pyrite 10%; chert, brown 5%

280 - 290 - Siltstone, light gray, local concentrations of sub-rounded brown quartz grains 80%; shale, black 15%; chert, brown, trace of pyrite 5%

290 - 300 - Siltstone, light gray, local concentrations of sub-rounded brown quartz grains (1-2MM) 90%; shale, black 10%