

# SAMPLE LOG

DRILL HOLE: Hiller # 27  
PROP. OWNER: John Hiller  
DRILL CONTRACTOR: V W & B Drilling  
DRILL OPERATOR: Billman  
DATE STARTED: 1-5-80  
CASING LEFT IN HOLE:

LOC:  
LOGGED BY: MRG  
ELEV: 843.08  
DATE COMPLETED: 1-8-80  
TOTAL DEPTH: 300'

- 30 - 40 - Limestone, gray, silty, fossiliferous 80%; shale, black, silty 20%  
40 - 50 - Limestone, gray, fossiliferous 85%; shale, black, silty 15%  
50 - 60 - Limestone, brown and gray, silty, fossiliferous 60%; shale, black, silty 40%  
60 - 70 - Siltstone, gray, locally carbonaceous, trace of pyrite 90%; shale, black, silty 10%  
70 - 80 - Siltstone, gray, locally carbonaceous, trace of pyrite, calcareous 100%  
80 - 90 - Siltstone, gray, locally carbonaceous with some carbonaceous material being replaced by pyrite, calcareous 100%; U.V. poor show  
90 - 100 - Siltstone, gray, carbonaceous, calcareous 85%; limestone, brown, fossiliferous locally carbonaceous 15%  
100 - 140 - Shale, gray, very silty, locally carbonaceous 100%  
140 - 150 - Shale, gray, silty 70%; coal fragments 30%  
150 - 160 - Shale, black, limey, very calcareous, local fossil fragments, trace of pyrite 80%; siltstone, gray, very calcareous, trace of pyrite 20%  
160 - 170 - Shale, black, silty, very calcareous, trace of pyrite, Rugosa coral present 70%; shale, gray, silty, trace of pyrite 30%  
170 - 180 - Shale, black, silty, calcareous 60%; siltstone, gray and brown, locally micaceous and carbonaceous 40%  
180 - 189 - Shale, gray, silty, locally carbonaceous 80%; sandstone, gray and brown, fine grained, micaceous and carbonaceous 20%; U.V. good show

CORE # 1 - 189 - 209.1

- 189.0 - 209.1 - Sandstone, fine grained, brown and dark gray, carbonaceous laminations 189.3 - 189.4, 191.7 - 192.7, both horizontal, 205.5 - 206.1  $\approx 75^{\circ}$  from core axis. Shale pebbles 189.9 - 190.1, largest 3" by  $\frac{1}{2}$ "; 194.7 - 194.8, largest 1" by  $\frac{1}{2}$ "; 202.0 - 202.1, largest 2 $\frac{1}{2}$ " by  $\frac{1}{2}$ "; 203.0 - 203.2, largest  $\frac{1}{2}$ " by  $\frac{1}{2}$ ". Shale breaks 193.4 - 193.5, 195.3 - 195.8, 196.1 - 196.2, 204.3 - 204.9, 206.95 - 207.5. Shale lenses  $\frac{1}{4}$ " thick 205.5 and  $\frac{3}{8}$ " thick 206.1, both  $\approx 80^{\circ}$  from core axis. Micaceous parting 196.6 and 194.1.

Entire interval has water bead on all freshly broken surfaces. Oil oozes very slightly from 189.0 - 192.5. Pit show very poor only slight rainbow present.

- 209 - 215 - Sandstone, fine grained, brown and gray, micaceous and carbonaceous 100%; U.V. fair show  
215 - 220 - Sandstone, gray and brown, micaceous and carbonaceous, fine grained 80%; shale, gray, silty 20%; U.V. fair show  
220 - 225 - Sandstone, gray and brown, fine grained, micaceous and carbonaceous 100%  
225 - 230 - Sandstone, gray and (brown trace), fine grained, micaceous and carbonaceous 100%; U.V. no show  
230 - 235 - Sandstone, gray, fine grained, micaceous and carbonaceous, locally carbonaceous material being replaced by pyrite 100%  
235 - 240 - Sandstone, fine grained, gray, micaceous and carbonaceous 100%; U.V. no show

- 240 - 245 - Sandstone, fine grained, gray, micaceous and carbonaceous 100%; U.V. no show  
245 - 250 - Sandstone, fine grained, gray, micaceous and carbonaceous 100%; U.V. no show  
250 - 260 - Sandstone, fine grained, gray, micaceous and carbonaceous 100%; U.V. no show  
260 - 270 - Sandstone, fine grained, gray, micaceous and carbonaceous 50%; shale, black, silty, calcareous 50%  
270 - 280 - Shale, black, silty 45%; siltstone, gray and greenish, glauconitic 45%; coal fragments 10%  
280 - 290 - Siltstone, gray and greenish, glauconitic 35%; shale, black, silty 35%; limestone, buff, massive, locally carbonaceous 30%;  
290 - 300 - Siltstone, gray and greenish, glauconitic, trace of pyrite, local concentration of brown well rounded quartz grains 90%; shale, black, silty 10%