

# SAMPLE LOG

DRILL HOLE: Hiller #10  
PROP. OWNER: John Hiller  
DRILL CONTRACTOR: Lamampco  
DRILL OPERATOR: Jim Miller  
DATE STARTED: 11-2-79  
CASING LEFT IN HOLE:

LOC:  
  
LOGGED BY: CRR & MRG  
ELEV: 842.65'  
DATE COMPLETED: 11-6-79  
TOTAL DEPTH: 305'

30 - 40 - Shale, black 55%; limestone, tan 45%; poor oil show  
40 - 50 - Limestone, tan 95%; shale, black 5%; poor oil show  
50 - 60 - Limestone, tan 55%; shale, black 45%; dead oil show  
60 - 70 - Shale, black 60%; siltstone, black, calcareous 40%  
70 - 110 - Siltstone, gray  
110 - 120 - Siltstone, gray, trace pyrite  
120 - 130 - Shale, gray 45%; siltstone, black 35%; limestone, tan 20%  
130 - 140 - Shale, black, slightly silty 40%; coal 25%; siltstone, gray 15%; limestone 20%;  
trace pyrite  
140 - 150 - Limestone, tan 60%; shale, black, slightly silty 30%; siltstone, gray 10%;  
trace pyrite  
150 - 160 - Coal 30%; shale, black, slightly silty 30%; siltstone, gray 20%; limestone 20%  
160 - 170 - Siltstone, dark gray 70%; siltstone, light gray 30%; trace pyrite  
170 - 180 - Sandstone, brown, very fine grained 60%; shale, gray, slightly silty 40%;  
good oil show

CORE # 1 - 175 - 199.7

175.0 - 190.0 - Sandstone, fine grained, brown (brown sugar), micaceous, occasional  
micaceous partings; interval generally massive and free of carbonaceous  
or shaley material; entire interval oozing free oil.

190.0 - 199.7 - Sandstone, fine grained, gray brown to gray, micaceous; millimeter  
carbonaceous laminae abundant in 193.0 to 199.7. Interval associated  
with micaceous concentrations and partings; fault with slickensides  
at 197.5 oriented  $\approx 45^{\circ}$  from core axis; interval appears to become  
increasingly "water wet" toward base (water beading on freshly broken  
core surface at 199.5); little free oil seepage noted within this  
interval.

180 - 190 - Sandstone, brown, very fine grained; good oil show  
190 - 200 - Sandstone, brown, very fine grained 90%; shale, black 10%; good oil show  
200 - 210 - Sandstone, brown, very fine grained, micaceous, carbonaceous 95%; shale,  
black 5%; fair oil show  
210 - 220 - Sandstone, brown, very fine grained, micaceous, carbonaceous 95%; shale,  
black 5%; fair oil show  
220 - 225 - No sample  
225 - 230 - Sandstone, brown, very fine grained, micaceous, carbonaceous 95%; shale,  
black 5%; fair show  
230 - 240 - Sandstone, brown, very fine grained, micaceous, carbonaceous 90%; shale,  
black, 10%; trace coal; poor oil show  
240 - 245 - Sandstone, brown, very fine grained, micaceous, carbonaceous 85%; shale,  
black 15%; poor oil show  
245 - 255 - Sandstone, brown, very fine grained, micaceous, carbonaceous 70%; coal 30%;  
poor oil show  
255 - 265 - Shale, black and gray, silty 80%; sandstone, brown, very fine grained,  
micaceous, carbonaceous 20%

265 - 275 - Siltstone, gray 70%; shale, black, slightly calcareous 20%; limestone, tan 10%  
275 - 285 - Siltstone, gray, trace hematite  
285 - 295 - Siltstone, gray 95%; shale, black, slightly calcareous 5%; trace hematite;  
trace pyrite  
295 - 305 - Siltstone, gray; trace hematite; trace pyrite