

SAMPLE LOG

DRILL HOLE: Hiller # 25
PROP. OWNER: John Hiller
DRILL CONTRACTOR: V W & B Drilling
DRILL OPERATOR: Billman
DATE STARTED: 12-13-79
CASING LEFT IN HOLE:

LOC:

LOGGED BY: CRR & MRG
ELEV:
DATE COMPLETED: 12-15-79
TOTAL DEPTH: 300'

30 - 40 - Limestone, tan 80%; shale, black 20%; dead oil show
40 - 50 - Limestone, tan 60%; shale, black, silty 20%; siltstone, gray 20%
50 - 120 - Siltstone, gray
120 - 130 - Coal 75%; siltstone 25%
130 - 140 - Siltstone, light-dark gray 60%; limestone, tan 40%; trace coal
140 - 150 - Siltstone, gray 40%; shale, black, calcareous 30%; limestone, tan 30%; trace coal, pyrite
150 - 160 - Siltstone, gray
160 - 167 - Siltstone, gray 90%; Sandstone, brown, very fine grained 10%
167 - Siltstone, gray 50%; sandstone, brown, very fine grained 50%; fair oil show

CORE # 1 - 172 - 192.15

172 - 192.15 - Sandstone, fine grained, brown sugar, micaceous and carbonaceous. Carbonaceous laminations 172.9 - 173.5, 184.5 - 185.1, 188.9 - 190.3. Shaley sand 173.5 - 177.2; this interval oozes little free oil. Micaceous and carbonaceous parting 178.9, 182.5, 184.6. Vertical frac between 191.2 and 191.9. Entire sand oozes free oil with ^{NO} presence of water on freshly broken surfaces. Good show of oil on pit.

CORE # 2 - 192.15 - 212.5

192.15-212.5 - Sandstone, fine grained, brown, micaceous. Micaceous parting 192.1. Sand becomes carbonaceous 194.6 - 198. Carbonaceous laminations 196.9 - 198 $\approx 75^\circ$ from core axis. Sand is carbonaceous 199.7 - 200.2, 205.7 - 206.8, carbonaceous laminations 209.9 - 210.3 $\approx 80^\circ$ from core axis to horizontal. Very little free oil noticed throughout interval. Presence of water beads at 194 on freshly broken surface.

212 - 220 - Sandstone, brown, very fine grained; good oil show
220 - 230 - Sandstone, brown, very fine grained, slightly micaceous 90%; shale, black 10%; fair oil show
230 - 240 - Sand grains not consolidated into pebbles; trace coal; fair oil show
240 - 250 - Sand grains not consolidated into pebbles 50%; siltstone, gray 50%
250 - 260 - Siltstone, gray 80%; shale, black 20%
260 - 270 - Limestone, tan 40%; shale, black 30%; coal 10%; siltstone, gray 10%; trace pyrite
270 - 280 - Siltstone, light-dark gray 80%; shale, black 20%; trace coal, pyrite
280 - 290 - Siltstone, light gray 90%; shale, black 10%; trace hematite
290 - 300 - Siltstone, light-dark gray