

SAMPLE LOG

DRILL HOLE: J. Hiller #13
PROP. OWNER: John Hiller
DRILL CONTRACTOR: Lamampco
DRILL OPERATOR: Jim Miller
DATE STARTED: 11-27-79
CASING LEFT IN HOLE:

LOC:
LOGGED BY: CRR & MRG
ELEV: 848'
DATE COMPLETED: 12-13-79
TOTAL DEPTH: 303'

- 30 - 40 - Limestone, tan 45%; shale, black 55%; poor oil show
40 - 50 - Limestone, tan; fair oil show
50 - 60 - Shale, black 60%; limestone, tan 20%; siltstone, gray 10%; clay 10%; trace pyrite; fair oil show
60 - 70 - Siltstone, gray 95%; sandstone, tan, very fine grained 5%; poor oil show
70 - 80 - Siltstone, gray; trace sandstone; pyrite
80 - 90 - Siltstone, gray 70%; limestone, tan 30%; fossiliferous, trace pyrite
90 - 100 - Siltstone, gray; trace pyrite
100 - 110 - Siltstone, light-dark gray 70%; limestone, tan 25%; coal 5%
110 - 120 - Siltstone, gray
120 - 130 - Siltstone, gray; trace limestone
130 - 140 - Siltstone, gray 80%; limestone 10%; shale, black 10%
140 - 150 - Coal 15%; limestone, gray 45%; siltstone, gray 40%; trace hematite
150 - 160 - Shale, black 60%; siltstone, gray 30%; limestone, tan 10%
160 - 170 - Siltstone, gray 55%; shale, black, silty 35%; limestone, tan 10%; trace coal; pyrite
170 - Sandstone, brown, very fine grained 70%; siltstone 20%; shale, black 10%; fair oil show

CORE # 1 - 170 - 191.2

- CORE 173.5 = GR 171.5
170.0 - 173.5 - Shale, gray, silty
173.5 - 183.0 - Sandstone, fine grained, brown, micaceous interval finely laminated with carbonaceous, micaceous and shale throughout. Carbonaceous regions ooze oil. Pure sandstone (176.3 - 177), pure shale (177 - 177.4), pure sand (177.4 - 179) & 179.4 - 180.7); pure sand oozes oil freely with no water present. Shaley carbonaceous regions ooze less free oil
183.0 - 189.7 - Shale, sandy, finely laminated with carbonaceous material. Sand (184.5 - 186.2) & 188.6 - 189.7). Sand oozes free oil and water. Siltstone, gray, no evidence of oil or water 187.9 - 188.7; shaley, sand oozes free oil and water; water present below 186.4
189.7 - 191.2 - Shale, gray, silty
195 - 200 - Sandstone, brown, very fine grained 90%; siltstone 10%
200 - 210 - Sandstone, brown, very fine grained, slightly micaceous 80%; shale, black, micaceous 10%
210 - 220 - Sandstone, brown, very fine grained, slightly micaceous 80%; siltstone, gray 10%
220 - 230 - Sandstone, brown, very fine grained, slightly micaceous
230 - 240 - Sandstone, brown, very fine grained, slightly micaceous 60%; siltstone, gray 40%
240 - 250 - Sandstone, brown, very fine grained, slightly micaceous 80%; siltstone, gray 20%
250 - 260 - Sandstone, brown 65%; coal 15%; shale, black 10%; siltstone, gray 10%
260 - 270 - Shale, gray 60%; sandstone, brown 40%; trace pyrite
270 - 280 - Shale, black 30%; siltstone, gray 60%; limestone, tan 10%; trace pyrite
280 - 290 - Siltstone, gray 70%; shale, black 30%; trace hematite
290 - 303 - Sandstone, brown, micaceous 60%; siltstone, gray 30%; shale, black 10%; fair oil show, trace hematite

CORE 173 = GR 171

CORE 186 = GR 184