

SAMPLE LOG

DRILL HOLE: Devlin # 42
 PROP. OWNER: W. Devlin
 DRILL CONTRACTOR: V W & B Drilling
 DRILL OPERATOR: Billman
 DATE STARTED: 1-15-80
 CASING LEFT IN HOLE:

LOC:

LOGGED BY: MRG
 ELEV: 836.77
 DATE COMPLETED: 1-17-80
 TOTAL DEPTH: 300'

- 30 - 40 - Limestone, gray, silty, fossiliferous, locally carbonaceous 60%; shale, black, silty, calcareous 40%; U.V. poor show
- 40 - 50 - Limestone, light gray-dark gray, silty, fossiliferous 85%; shale, black, silty, calcareous 15%; U.V. poor show
- 50 - 60 - Limestone, medium gray-dark gray, silty, fossiliferous 80%; shale, dark gray-black, silty 20%; U.V. poor show
- 60 - 70 - Siltstone, dark gray, carbonaceous, trace of pyrite 75%; siltstone, light gray, trace of pyrite 20%; limestone, light brown 5%
- 70 - 80 - Siltstone, dark gray, trace of pyrite 100%
- 80 - 100 - Shale, dark gray, very silty 100%
- 100 - 110 - Siltstone, grading to silty, shale, carbonaceous 100%
- 110 - 130 - Shale, silty, dark gray 100%
- 130 - 140 - Shale, dark gray, silty 95%; shale, black, limey, very calcareous 5%
- 140 - 150 - Shale grading to siltstone, dark gray, trace of pyrite in siltstone 75%; coal fragments 15%; shale, black, silty, limey, very calcareous 10%
- 150 - 160 - Limestone, dark gray, silty and crystalline 70%; shale, black, silty, limey, very calcareous 20%; limestone, light gray, silty 10%
- 160 - 170 - Shale, black 70%; siltstone, light gray, trace of pyrite 20%; sandstone, gray, carbonaceous, fine grained 10%
- 170 - 179 - Siltstone, gray, micaceous and carbonaceous 80%; sandstone, fine grained, brown, micaceous and carbonaceous 20%; U.V. good show
- ¹⁸⁰179 - Sandstone, fine grained, brown, micaceous, locally very carbonaceous 100%; U.V. good show

CORE # 1 - ¹⁸⁰179 - 199.2

- ¹⁸⁰179.0 - ^{186.8}185.7 - Sandstone, fine grained, brown, micaceous, shale pebbles 180.5 - 180.9, 3" by 1½", shale break 181.7 - 182.7; sandy from 182.0 - 182.1. All sand oozes free oil.
- 185.7 - 195.6 - Interlaminated sand, mica and shale throughout; laminations fine. Shale pebble 186.1, 2" by ½". Shale breaks 193.1 - 193.2, 194.1 - 194.3. Interval oozes free oil easily throughout. First presence of water mixed with oil on freshly broken surface at 194.7.
- ^{196.6}195.6 - 197.7 - Shale, gray, sandy or silty, finely laminated with carbonaceous and micaceous material. No oil ooze in this interval.
- 197.7 - 199.2 - Sandstone, fine grained, brown-gray; interlaminated sand, shale and carbonaceous material 197.7 - 198.0; slight oil ooze here. Shale pebbles 198.5, 3" by 1". Very slight oil ooze here; water on freshly broken surfaces 198.3, 198.7 and 199.0. Pit show rainbow -light.
- 199 - 203 - Sandstone, fine grained, brown and gray, micaceous, locally carbonaceous 90%; U.V. fair show; shale, gray, silty 5%; shale, black, 5%
- 203 - 207 - Sandstone, fine grained, brown, micaceous, very carbonaceous 100%; U.V. good-fair show
- 207 - 211 - Sandstone, fine grained, brown, micaceous and carbonaceous 100%; U.V. fair show
- 211 - 220 - Sandstone, fine grained, brown, micaceous and carbonaceous 100%; U.V. fair-poor show

- 220 - 225 - Sandstone, fine grained, gray, micaceous and carbonaceous 100%; U.V. poor show
225 - 230 - Sandstone, fine grained, gray, micaceous and carbonaceous 100%; U.V. no show
230 - 235 - Sandstone, fine grained, gray, micaceous and carbonaceous 90%; siltstone, gray
locally carbonaceous 10%
235 - 240 - Sandstone, fine grained, gray, micaceous, locally very carbonaceous 80%; shale
gray, very silty, carbonaceous 10%; shale, brown, silty 10%
240 - 245 - Siltstone, gray, locally carbonaceous, micaceous 95%; shale, brown, silty 5%
245 - 250 - Sandstone, very fine grained, micaceous and carbonaceous, locally carbonaceous
material replaced by pyrite 100%
250 - 260 - Siltstone, gray, carbonaceous 100%
260 - 270 - Shale, gray, silty, carbonaceous 79.9%; siltstone, gray, carbonaceous and
micaceous 15%; shale, brown, silty 5%; limestone, light gray, trace
270 - 280 - Siltstone, light gray-greenish, carbonaceous, locally carbonaceous material
being replaced by pyrite 80%; shale, black, silty, very calcareous, trace of
pyrite 19.9%; limestone, light gray, silty, trace
280 - 290 - Siltstone, gray-greenish, carbonaceous 70%; shale, black, silty 29.9%; chert,
brown, trace
290 - 300 - Siltstone, light gray-green, locally hemitic and carbonaceous 70%; limestone,
gray, silty 15%; shale, black, silty 15%