

SAMPLE LOG

DRILL HOLE: Devlin #39
 PROP. OWNER: William Devlin
 DRILL CONTRACTOR: V. W. B.
 DRILL OPERATOR: Bill Billman
 DATE STARTED: 1/21/80
 CASING LEFT IN HOLE:

LOC:

 LOGGED BY: MRG
 ELEV: 837.51
 DATE COMPLETED: 1/23/80
 TOTAL DEPTH: 300'

- 30 - 40 - Limestone, grey, fossiliferous 100%; U. V. - poor show
- 40 - 50 - Limestone, light grey brown, silty, fossiliferous 75%; U. V. - poor show; shale, black, silty 25%
- 50 - 60 - Shale, dark grey, silty, trace of pyrite 40%; Sandstone, grey and brown, very fine grained, locally carbonaceous 30%; siltstone, light grey, trace of pyrite 30%, U. V. - good show
- 60 - 70 - Siltstone, grey, carbonaceous 100%; U. V. - poor show
- 70 - 80 - Siltstone, grey carbonaceous 50%; shale, grey, very silty carbonaceous 50%
- 80 - 90 - Siltstone, grey, carbonaceous and micaceous 80%; shale, grey, very carbonaceous, 20%
- 90 - 100 - Siltstone, grey, carbonaceous, 100%
- 100 - 110 - Shale, grey, silty, carbonaceous 90%; siltstone, grey, carbonaceous 10%
- 110 - 130 - Shale, grey, silty, carbonaceous 100%
- 130 - 140 - Limestone, black, silty, fossiliferous, trace of pyrite 90%; shale grey, silty, carbonaceous 10%
- 140 - 150 - Limestone, dark grey, silty, locally fossiliferous 90%; shale, black, silty 10%
- 150 - 160 - Shale, grey, silty 40%; sandstone, grey, fine grained, locally carbonaceous 40%; shale, black, silty, calcareous, trace of pyrite 20%; U. V. - no show without fluid, good show with
- 160 - 170 - Sandstone, very fine grained grey, micaceous and carbonaceous 85%; siltstone, light grey, carbonaceous 10%; Limestone, brown, silty 5%
- 170 - 173 - Sandstone, fine grained, grey and brown, micaceous and carbonaceous 100%; U. V. - good show
- 173 - 0 - Sandstone, fine grained brown, micaceous, and carbonaceous 100%; U. V. - fair show without fluid, good show with

CORE #1 - 173 - 190.3

- 173 - 179.9 - Sandstone, fine grained brown, finely interlaminated with mica and shale; shale pebble 174.0 2" by 1/2"; 174 - 174.9 mostly shale and mica, little sand here, no oil ooze; 175.9 - 176.3 mostly shale and mica, slight oil ooze here; rest of interval good oil ooze
- 179.9 - 183.1 - Shale grey, interlaminated with mica and sand 179.9 - 181.2 no oil ooze here; 1" sand 182.5
- 183.1 - 185.7 - Sandstone fine grained brown; sand is pure here with good oil ooze
- 185.7 - 190.3 - Interlaminated shale sand and mica; shale break (185.8-186.2); shale rip clasts 186 2" by 1"; 188.9 - 189.3 very slight oil ooze, mostly shale and mica; rest of interval oozes free oil; no presence of water; pit show light cover

CORE #2 - 190.3 - 210.1

- 190.3 - 210.1 - Sandstone, fine grained, brown grey micaceous shale break 197.5 - 197.9; shale pebbles 197.9 - 198.0 3/8" by 1/8"; 202.8 - 203.0 1/4" by 1/4"; Interlaminated shale, mica, and sand 195.7 - 196.1 slight oil ooze here; micaceous partings 193.9, 196.7, 196.9; Shale pebble 196.1 1/2" by 1/4"; core oozes some free oil from 190.3 - 199.9; sand below 199.9 is water wet; first presence of water on freshly broken surface 196.2; pit show improved now good show
- 210 - 215 - Sandstone, fine grained brown, micaceous, and carbonaceous 100%; U. V. - fair show without fluid, good show with
- 215 - 220 - Sandstone, fine grained, brown, micaceous and carbonaceous 100%; U. V. - good show
- 220 - 225 - Sandstone, fine grained, brown micaceous and carbonaceous 80%; U. V. - poor show without fluid, fair show with; shale grey silty 20%
- 225 - 230 - Sandstone, fine grained, brown, micaceous and carbonaceous 100%; U. V. - fair show
- 230 - 235 - Sandstone, fine grained brown, micaceous and very carbonaceous 100%; U. V. - poor show without fluid, fair show with
- 235 - 240 - Sandstone, fine grained, brown, micaceous, very carbonaceous 100%; U. V. - poor show without fluid, good show with
- 240 - 245 - Sandstone, fine grained, brown, micaceous, and carbonaceous 100%; U. V. - poor show without fluid, good show with
- 245 - 250 - Siltstone, grey, micaceous and carbonaceous 60%; Siltstone, brown 15%; sandstone, black, very carbonaceous 15%; limestone buff 10%
- 250 - 260 - Shale, grey, very silty, carbonaceous 100%
- 260 - 270 - Shale, grey, silty and carbonaceous 70%; coal fragments 30%
- 270 - 280 - Siltstone, grey green, 60%; shale, grey, silty, carbonaceous 30%; limestone brown, massive, trace of pyrite 10%; coal trace
- 280 - 290 - Shale, grey, silty 40%; siltstone, grey green, locally hematitic 30%; shale, black, silty 20%; limestone 10%
- 290 - 300 - Siltstone, grey green, local concentrations of sub-rounded light brown quartz, grains (1-3mm) 99.9%; shale, black, trace