

SAMPLE LOG

DRILL HOLE: DEVLIN # 56

LOC:

PROP. OWNER: DEVLIN

DRILL CONTRACTOR: V-W-B DRILLING

DRILL OPERATOR: BILL BILLMEN

DATE STARTED: 4-2-80

CASING LEFT IN HOLE:

LOGGED BY: MRG

ELEV: 837.67'

DATE COMPLETED: 4-7-80

TOTAL DEPTH: 301'

- 30 - 40 - Limestone, light gray-tan, crystalline, locally carbonaceous 60%
Shale, black, silty, slightly calcareous 40%
U. V. Poor Show
- 40 - 50 - Limestone, light gray-tan, crystalline & silty, fossiliferous 85%
Shale, black, trace of pyrite 15%
U. V. poor show without fluid, fair with
- 50 - 60 - Limestone, light gray - tan, crystalline & silty 70%
Shale, black, trace of pyrite 30%
- 60 - 70 - Shale, black 60%
Siltstone, light gray, poorly indurated, trace of pyrite 40%
U. V. poor show
- 70 - 80 - Shale, gray, very silty 60%
Shale, light gray, poorly indurated 30%
Siltstone, gray, carbonaceous 10%
U. V. Poor show without fluid, fair with
- 80 - 90 - Shale, gray, silty 100%
- 90 - 100 - Shale, gray, silty 90%
Siltstone, light gray, locally carbonaceous 10%
- 100 - 110 - Shale, gray, silty 80%
Siltstone, light gray, locally carbonaceous 20%
- 110 - 140 - Shale, gray, silty 100%
- 140 - 150 - Shale, black, limey, trace of pyrite, locally fossiliferous 85%
Shale, gray, silty 15%
- 150 - 160 - Shale, gray, silty, calcareous 50%
Shale, black, limey 30%
Coal Fragments 20%
- 160 - 170 - Shale, light gray, silty, poorly indurated 50%
Limestone, dark gray-black, silty crystalline, trace of pyrite 50%
- 170 - 180 - Shale, light gray, silty, calcareous 75%
Shale, black 20%
Limestone, black, crystalline 5%
- 180 - 190 - Sandstone, fine grained-very fine grained, dark gray, micaceous 65%
Shale, gray, silty 35%
- 190 - 197 - Shale, gray silty 70%
Sandstone, fine grained, brown, locally micaceous 30%
U. V. good show
- BOTTOMS 197-Sandstone, fine grained, gray and brown, shaley, locally micaceous & carbonaceous 100% 55% Sand 45% Clay

CORE # 1 197 - 217

- 197 - 210.6 Sandstone, fine grained, micaceous, Shale gray 1/2" at 197.0 contact regular & horizontal. Shaley sand with carbonaceous whisps 202.1-202.4. Carbonate laminae 203.8 about 80 degree from core axis, 204.4 - 204.9 about horizontal. Sand is clean and uniform 205 - 210.7.

- 121.06-217.0 - Interlaminated shaley sand, shale, mica and carbonate material. Laminae range from nearly horizontal to about 70 degrees from core axis 213.6-214.1, to 65 degrees at 216.1. Laminae at 216.1 mostly carbonate material. Irregular oriented large coal inclusion 215.8-216.1 about 3" by 3".

Core oozes free oil 197-198. First water at 199.3

Pit show rainbow only.

- 217 - 220 - Sandstone, fine grained, brown, micaceous and carbonaceous 90%
U.V. poor show without fluid good with
 Shale, gray silty 10%
- 220 - 225 - Sandstone, fine grained, gray & tan, micaceous and carbonaceous 100%
U.V. poor show
- 225 - 230 - Siltstone to fine grained sandstone, gray, micaceous & carbonaceous 100%
- 230 - 235 - Siltstone to very fine grained, sandstone, gray, micaceous and carbonaces 85%
 Shale, gray, silty 15%
- 235 - 240 - Siltstone, to very fine grained sandstone, gray micaceous & carbonaceous 100%
- 240 - 245 - Shale, gray, locally silty & sandy; locally carbonaceous 100%
- 245 - 250 - Shale, gray, silty, locally carbonaceous 75%
 Siltstone, light gray, locally carbonaceous 25%
- 250 - 260 - Shale, gray, silty, carbonaceous 90%
 Siltstone, light gray, locally carbonaceous 10%
- 260 - 270 - Shale, black, silty calcareous 50%
 Shale, gray, silty 45%
 Shale brown, trace of pyrite 5%
- 270 - 280 - Shale, black, silty, calcareous 40%
 Shale, gray, silty 30%
Coal fragments 20%
 shale, black 10%
- 280 - 290 - Shale, black 40%
 Shale, gray, silty 55%
Limestone, tan 5%
- 290 - 300 - Siltstone, light gray, local inclusions of brown-black well rounded metal oxides 1-3mm, locally hemititic 75%
 Shale, black, silty 15%
 Shale, gray, silty 10%