

DRILL HOLE: DEVLIN #51
DATE STARTED: April 7, 1980
DATE COMPLETED: April 9, 1980
LOGGED BY: MRG

CASING ELEV. 837.28
TOTAL DEPTH: 300'
CONTRACTOR: V.W.B. DRILLING
DRILLER: BILL BILLMAN

- 30 - 40 - Limestone, gray silty and crystalline 60%
Shale, black, silty 40%
- 40 - 50 - Limestone, gray tan, fossiliferous 100%
- 50 - 60 - Siltstone, light gray, trace of pyrite crystals, poorly indurated 65%
Shale, black, silty 25%
Limestone, brown, crystalline 10%
U.V. poor show
- 60 - 70 - Siltstone, light gray-tan, carbonaceous 75%
Shale, gray silty 25%
U.V. poor show
- 70 - 90 - Shale, gray, silty, carbonaceous
- 90 - 100 - Shale, gray, silty 80%
Siltstone, light gray, locally carbonaceous 20%
- 100 - 130 - Shale, gray silty 100%
- 130 - 140 - Shale, gray 70%
Shale, black, silty, very calcareous 30%
- 140 - 150 - Coal fragments 40%
Shale, gray silty 30%
Shale, black, limey, very calcareous 30%
- 150 - 160 - Shale, black, silty, very calcareous 80%
Shale, gray silty 10%
Limestone, brown, crystalline, fossiliferous 10%
- 160 - 167 - Siltstone, light gray, poorly indurated 40%
Shale, black, silty, calcareous 35%
Sandstone, fine grained, brown, locally micaceous, clean 25%
U.V. good show without fluid; no mobil oil with
- BOTTOMS AT 167 Siltstone, light gray, carbonaceous, trace of pyrite 80%
Sandstone, fine grained, brown, micaceous 10%
U.V. good show without fluid; no mobil oil with fluid
Shale black, silty 10%
- CORE # 1 168 - 187
- 168 -173.6 Shale gray, nonfissel. Surface pitted 168-171.8
- 173.6 -177.6 Alternating sand and shale. Sand (173.6-174.2), (174.5-174.9), (175.5-175.9), (176-177.5). Contacts are slightly irregular and grossly horizontal.
- 177.6 -182.1 Sandstone, fine grained, brown micaceous. Sand laminated with mica 179.5-182.1. Shale pebble 180.1 1" by ¼".
- 182.1 -184.2 Shale, gray, silty finely laminated with mica throughout top and bottom contacts regular distinct and horizontal.
- 184.2 -187 - Interlaminated sandstone and mica. Shaley sand 195.8-186.1. Shale pebble 187.0 1" by ¼".

Core oozes free oil in all sand and sandy sections. No presence of water. Pitshow light cover.

CORE # 2 187 - 207.3

- 187 - 199.3 - Sandstone, fine grained, brown and gray micaceous. Shale pebbles 192.8-193 2½" by 1"; 194.1-194.4 1" by ¾"; 196.5-197.0 2" by 1". Carbonate laminae 198.9-199. about horizontal no oil ooze here.
Interval oozes oil 187. - about 196.8. First presence of water 197.2.
- 199.3 - 203.1 - Shale, gray whisps of silt throughout. Vertical fracture 201.1-201.7
Top and bottom contacts about regular and horizontal.
- 203.1 - 207.3 - Sandstone, fine grained, brown micaceous. Shale breaks ½" at 203.7
¾" at 204.1. Shaley micaceous sand 205.7-206.4. Sand becomes asphaltic below 206.4. Interval oozes oil and water through 207.
- Pit show improved light to good cover.
- 207 - 210 - Sandstone, fine grained, brown, micaceous 80%
Limestone, light gray crystalline 20%
U.V. good show
- 210 - 215 - Sandstone, fine grained, gray and brown, micaceous, locally carbonaceous 90%
Shale, gray 10%
U.V. fair show without fluid; good show with fluid
- 215 - 220 - Sandstone, fine grained, brown, micaceous and carbonaceous 90%
Shale, gray, silty 9%
Limestone, brown-tan 1%
U.V. poor show without fluid; good with fluid
- 220 - 225 - Sandstone, fine grained, brown, micaceous and carbonaceous 100%
U.V. fair show without fluid, good with fluid
- 225 - 230 - Sandstone, fine grained, brown, locally micaceous and carbonaceous 90%
Shale, gray, silty 10%,
U.V. poor show without fluid; good with fluid
- 230 - 235 - Sandstone, fine grained, brown, micaceous, becoming asphaltic 100%
U.V. poor show without fluid, good show with fluid
- 235 - 240 - Sandstone, fine grained, brown, micaceous, slightly asphaltic 100%
U.V. poor show without fluid, good show with fluid
- 240 - 245 - Sandstone, fine grained, brown, locally micaceous and carbonaceous slightly asphaltic 100%
U.V. poor show without fluid; good show with fluid
- 245 - 250 - Sandstone, fine grained, brown, micaceous and carbonaceous slightly asphaltic 100%
U.V. poor show without fluid; good show with fluid
- 250 - 260 - Shale, gray silty 95%
Sandstone fine grained, gray and brown, micaceous and carbonaceous 5%
- 260 - 270 - Shale, gray, silty 99%
Shale, brown, well indurated 1%
- 270 - 280 - Shale, black, silty calcareous 50%
Shale, gray, silty 44%
Limestone, buff crystalline and silty 5%
Shale, brown 1%
- 280 - 290 - Shale, greenish and gray, silty 70%
Shale black, silty calcareous 20%
Limestone, brown, crystalline 10%
- 290 - 300 - Siltstone, light gray, local inclusions of light, brown sub-rounded metal oxides 1 - 4 mm 75%
Shale, black, silty, slightly calcareous 15%
Shale, gray 5%
Limestone, tan, crystalline 5%