

DRILL HOLE: DEVLIN # 40  
DATE STARTED: February 20, 1980  
DATE COMPLETED: February 23, 1980  
LOGGED BY: MRG

CASING ELEV. 844.<sup>61</sup>~~66~~  
TOTAL DEPTH: 300'  
CONTRACTOR: V.W.B. Drilling  
DRILLER: BILL BILLMAN

- 30 - 40 - Limestone, gray, crystalline, locally fossiliferous 80%  
Shale, black, silty 20%
- 40 - 50 - Shale, black, silty, trace of pyrite 80%  
Limestone, brown crystalline favosities corals present 20%  
U.V. poor show without fluid, fair with
- 50 - 60 - Siltstone, light gray, poorly indurated 50%  
Limestone, brown, crystalline 40%  
Shale, black, silty 10%
- 60 - 70 - Siltstone, gray, micaceous and carbonaceous 100%
- 70 - 90 - Shale gray very silty 100%
- 90 - 120 - Shale, gray, silty 100%
- 120 - 130 - Shale, gray, 100%
- 130 - 140 - Shale, black, silty very calcareous, trace of pyrite 60%  
- Shale, gray 40%
- 140 - 150 - Limestone, dark gray-black, crystalline, locally fossiliferous 80%  
Shale, gray silty 20%
- 150 - 160 - Shale, black, silty, very calcareous 80%  
Shale, gray silty 20%
- 160 - 168 - Limestone, brown-black, silty and crystalline, fossiliferous, trace of pyrite 75%  
Shale, gray silty 20%  
Shale, greenish, poorly indurated 5%
- 168 - - Sandstone, fine grained, brown, micaceous, locally carbonaceous 70%  
Shale, gray, silty 30%  
U.V. fair show without fluid good with

CORE # 1 168 - 187.7

- 168 - 172.2 Shale, gray, sandy shale 168.0 - 168.3. Carbonate laminations 163.8 and 168.6
- 172.2-177.8 Sandstone, fine grained, brown, micaceous carbonate laminations (176.1-176.2) oozes oil. Shale break 177.1-177.2. Interval oozes free oil readily
- 177.8-178.9 Shale gray, Wisps of brown sand throughout. Micaceous laminations throughout Interval very slight oil ooze
- 178.9-183.2 Sandstone fine grained, brown micaceous. Shaley sand (181.7-182.0) Carbonate laminations (178.9-179.3) oozes oil. (182.4-182.7) oozing oil
- 183.2-184.2 Shale gray, Finely laminated with mica throughout.
- 184.2-187.7 Sandstone, fine grained brown micaceous. Shaley sand (186.7-186.9) slight oil ooze. Shale break 186.9-187.1 Rest of Interval oozes free oil.

No presence of water. Pit show light cover.

CORE # 2 187.7 - 206.7

- 187.7-194.0 Sandstone, fine grained, brown, micaceous. Shale pebbles 191.1 elliptical  $\frac{1}{2}$ " by 1". (191.5-194.0) numerous 1" by  $\frac{1}{2}$ ". Shaley sand (187.7-188.1) Plant fragmentation broken core 189.9.

- 194 -197.4 Shale gray. Sandy shale (194-195.9) Slight oil ooze brown shale pebbles (194-195.8) 1" by 3/4". Micaceous laminations 195.9-196.1, 197-197.4 Pure sand (196.1-196.8) good oil ooze here.
- 198 -206.7 Sandstone fine grained, gray, brown. Shale pebbles 199.6 1" by 3/8". 199.9-200.1 1" by 1/2"; (200.8-201.0) 2" by 1/2"; 207.8 3" by 1/2"; 203.7 206.1 1" by 1" and numerous. Interlaminated shale mica 201.0-201.1 about 70 degrees from core axis. Interval oozes no free oil.

First presence of water 193.0. Pit show improved fair cover

- 208 - 210 - Sandstone, fine grained, brown, micaceous, locally slightly carbonaceous 100%  
U.V. fair show without fluid good with
- 210 - 215 - Sandstone, fine grained, brown, micaceous, slightly carbonaceous 100%  
U.V. fair show without fluid, good with
- 215 - 220 - Sandstone, fine grained, brown, micaceous 100%  
U.V. fair show without fluid, good with
- 220 - 225 - Sandstone, fine grained, brown, micaceous, locally slightly carbonaceous 100%  
U.V. fair show without fluid, good with
- 225 - 230 - Sandstone, fine grained, brown micaceous, locally slightly carbonaceous 100%  
U.V. fair show without fluid, good with
- 230 - 235 - Sandstone, fine grained, brown, micaceous 100%  
U.V. poor show without fluid good with
- 235 - 240 - Sandstone, fine grained, brown, micaceous, becoming asphaltic 100%  
U.V. poor show without fluid, good with
- 240 - 245 - Sandstone, fine grained, brown, micaceous, asphaltic 100%  
U.V. poor show without fluid, good with
- 245 - 250 - Sandstone, fine grained, brown, micaceous, asphaltic, locally carbonaceous 100%  
U.V. poor show without fluid good with
- 250 - 260 - Sandstone, fine grained, micaceous, slightly asphaltic 100%  
U.V. poor show without fluid, good with
- 260 - 270 - Shale, black, silty, calcareous
- 270 - 280 - Shale, gray, silty 60%  
Limestone, gray, crystalline and silty 30%  
Shale, black, silty, calcareous 10%
- 280 - 290 - Shale, gray, silty 50%  
Shale, black, silty 49%  
Limestone, tan 1%
- 290 - 300 - Siltstone, greenish, local inclusions of light brown sub-rounded metal oxides 95%  
Shale black 5%