

# SAMPLE LOG

DRILL HOLE: Devlin # 25  
PROP. OWNER: W. Devlin  
DRILL CONTRACTOR: J-J Drilling  
DRILL OPERATOR: Guy  
DATE STARTED: 12-11-79  
CASING LEFT IN HOLE:

LOC:  
LOGGED BY: CRR & MRG  
ELEV:  
DATE COMPLETED: 12-13-79  
TOTAL DEPTH: 300'

30 - 40 - Limestone, tan; dead oil show  
40 - 50 - Shale, black 50%; siltstone, gray 50%  
50 - 60 - Siltstone, gray; trace pyrite  
60 - 110 - Siltstone, dark gray  
110 - 120 - Siltstone, dark gray 95%; limestone, tan 5%  
120 - 130 - Siltstone, dark gray 55%; coal 5%; limestone, tan 15%; shale, black 25%; trace pyrite  
130 - 140 - Siltstone, dark gray 50%; limestone, tan, 40%; shale, black 10%; trace pyrite fossiliferous  
140 - 150 - Shale, black 30%; limestone, tan 30%; siltstone, gray 40%; fossiliferous  
150 - 160 - Shale, black 10%; limestone, tan 40%; siltstone, gray 30%; clay 20%; poor oil show  
160 - 166 - Siltstone, gray-black; trace limestone  
166 - Sandstone, brown, very fine 40%; good oil show

## CORE # 1 - 166 - 184

166.0 - 167.9 - Sandstone, fine grained, brown, shaley laminations (166.7 - 167.9), shale pebbles at 166.5  
167.9 - 170.3 - Shale, gray, silty; sandy laminae 168.1 oozing oil. Sand streaks 170 - 170.3 oozing oil  
170.3 - 173.0 - Sandstone, fine grained, brown, irregular shale pebbles (rip clasts) 170.6 - 171 (reworked). Shale pebbles 172.1. Shale rip clasts 172.4 - 172.7.  
173.0 - 173.95 - Shale, gray, carbonaceous laminations throughout. Some sandy laminations at 173.1.  
173.95 - 184.0 - Sandstone, fine grained, brown, shaley, carbonaceous laminations (fine) 173.95 - 174.4. Shale rip clasts  $\approx$  horizontal to core axis 175.7, 177.8, 177.9  $\frac{1}{2}$  x  $\frac{1}{8}$ ". Carbonaceous laminations (fine) 181.7 - 182.6. Approx. 1' loss between 182 & 184. Entire sand oozes free oil. No presence of water on freshly broken surfaces.

## CORE # 2 - 184 - 204

184.0 - 204.0 - Sandstone, fine grained, brown, shale pebbles, 186.2  $\approx$  horizontal; and 186.3, 1" x  $\frac{3}{4}$ ". Shale breaks (187.1 - 187.4), (187.9 - 188.2); approx. 6" loss between 188 & 189. Shale lense 189.2. Finely laminated carbonaceous zone (189.3 - 189.5), (192 - 192.8). Shale pebbles 194.7. Sand becomes very uniform below 195. Entire interval oozes free oil and appears to become water wet below 194.7.  
204 - 210 - Sandstone, brown, very fine grained 90%; siltstone, gray 10%; fair oil show  
210 - 220 - Sandstone, brown, very fine grained, slightly micaceous; fair oil show  
220 - 230 - Sandstone, brown, very fine grained, slightly micaceous; siltstone, gray 10%; fair oil show  
230 - 240 - Sandstone, dark brown, very fine grained, slightly micaceous; fair show of oil  
240 - 250 - Sandstone, dark brown, micaceous, very fine grained 80%; siltstone, gray 20%; dead oil show

- 250 - 260 - Siltstone, gray 40%; sandstone, black with clear quartz grains 50%; shale, black 10%
- 260 - 270 - Shale, black 80%; limestone, tan 10%; sandstone, brown 10%
- 270 - 280 - Siltstone, gray-black
- 280 - 290 - Siltstone, gray 70%; shale, black, silty 30%; trace hematite
- 290 - 300 - Siltstone, light gray-black; trace pyrite; limestone; sandstone