

SAMPLE LOG

DRILL HOLE: DEVLIN #13
PROP. OWNER: W. Devlin
DRILL CONTRACTOR: Lamampco
DRILL OPERATOR: Jim Miller
DATE STARTED: 10/25/79
CASING LEFT IN HOLE:

LOC:

LOGGED BY: MRG & DRK
ELEV: 837'
DATE COMPLETED: 10/26/79
TOTAL DEPTH: 300'

- 60 - 70 - Shale, medium gray, silty, micaceous and carbonaceous fragments, calcareous, 95%; limestone, light brown, massive, 5%
- 70 - 80 - Shale, medium gray, silty, micaceous and carbonaceous fragments, calcareous, 100%
- 80 - 90 - Shale, medium gray, silty, micaceous and carbonaceous fragments, slightly calcareous, 99%; trace of limonitic shale?
- 90 - 120 - Shale, medium gray, silty, micaceous, calcareous, 100%
- 120 - 130 - Shale, medium gray, silty, micaceous, calcareous, 99%; limestone, fossiliferous, 1%
- 130 - 140 - Shale, medium gray, silty, micaceous, calcareous, 60%; shale, black, organic?, silty, very calcareous, 40%
- 140 - 150 - Shale, medium gray, silty, micaceous, calcareous, 50%; shale, black, organic?, silty, very calcareous, 40%; limestone, light brown, 5%; coal fragments, 5%
- 150 - 160 - Shale, (light-medium) gray, silty, calcareous, 45%; shale, black, organic?, very calcareous, 45%; limestone, massive, crystalline, fossiliferous, 10%
- 160 - 170 - Shale, black, organic?, calcareous, 60%; shale, light gray, silty, trace of pyrite, slightly calcareous, 20%; limestone, massive, crystalline, 10%; coal fragments, 10%
- 170 - 180 - Shale, (dark gray-black), micaceous, calcareous, 60%; limestone, light gray, locally carbonaceous, trace of pyrite, 35%; coal fragments, 5%
- 180 - 185 - Shale, (medium-dark) gray, locally carbonaceous, trace of pyrite, silty, fossil impression (algae?), calcareous, 85%; sandstone, brown, fine grained, micaceous, 10%; coal fragments, 5%; (U.V.) good show
- 185 - 190 - Shale, dark gray, silty, slightly calcareous, micaceous, locally carbonaceous, trace of pyrite, 95%; coal fragments, 5%

CORE #1 - 190' - 209.4'

NOTE: Coring started at 185' but top 5 feet of core lost when making a connection at 190'

- 190 - 192.6 - Sandstone, fine grained, brown, micaceous; with occasional millimeter carbonaceous laminae and carbonaceous specks; free oil oozing throughout interval
- 185 - 185.6
- 192.6 - 203.2 - Shale, gray, with millimeter to ½" intervals of white to brown siltstone and sandstone laminae and interbeds; thicker and sandier intervals oozing free oil; thicker sandstone/siltstone intervals from 198.3 to 198.6 and 202.6 to 202.8 also oozing free oil; occasional micaceous partings throughout interval
- 185.6 - 196.2
- 203.2 - 209.4 - Sandstone, fine grained, brown to very dark brown, micaceous, occasional millimeter carbonaceous laminae; irregular ½" shale break at 203.8; calcareous shale pebbles from 1/64" to 1" diameter scattered throughout entire interval; core is increasingly water-wet toward bottom of interval with water droplets rapidly beading on fresh-broken core surface; free oil oozing from top of interval
- 196.2 - 202.4
- 210 - 215 - Sandstone, fine grained, brown, micaceous, locally carbonaceous, 95%; shale, black, silty, slightly calcareous, 5%; (U.V.) good show

- 215 - 220 - Sandstone, fine grained, brown, micaceous, locally carbonaceous, very slightly calcareous, 95%; shale, black, micaceous, slightly calcareous, 5%; Chert-trace; (U.V.) fair show
- 220 - 225 - Sandstone, fine grained, brown, micaceous, locally carbonaceous, 90%; shale, black, micaceous, locally carbonaceous, very slightly calcareous, 10%; (U.V.) fair show
- 225 - 230 - Sandstone, fine grained, brown, micaceous, locally carbonaceous, 85%; shale, black, micaceous, very slightly calcareous, 10%; limestone, light gray, massive, crystalline, 5%
- 230 - 235 - Sandstone, fine grained, brown, micaceous, locally carbonaceous, 80%; limestone, (light-dark) gray, micaceous, 15%; shale, black, micaceous, very slightly calcareous
- 235 - 240 - Sandstone, fine grained, brown, micaceous, locally carbonaceous, 70%; shale, black, micaceous and carbonaceous, slightly calcareous, 15%; limestone, light gray, massive 10%; coal fragments, 5%
- 240 - 245 - Sandstone, fine grained, brown, micaceous, locally carbonaceous, 50%; shale, black, silty, micaceous, 20%; limestone, light gray, massive, 15%; coal fragments, 15%
- 245 - 250 - Shale, dark gray-black, silty, 50%; sandstone, fine grained, brown, micaceous, locally carbonaceous, 20%; limestone, light gray, massive, 15%; coal fragments, 15%
- 250 - 260 - Shale, medium gray, calcareous, silty, 80%; shale, black, silty, slightly calcareous, 15%; limestone, light brown, massive, 5%
- 260 - 270 - Shale, black, silty, calcareous, carbonaceous plant fragments, trace of pyrite, 50%; shale, light gray, silty, 25%; limestone, light brown, massive, 25%
- 270 - 280 - Shale, light gray, silty, slightly calcareous, 80%; shale, black, silty, 10%; limestone, light brown, massive 10%
- 280 - 290 - Shale, light gray, silty, contains well rounded, light brown, quartz grains, slightly calcareous, 75%; siltstone, greenish, 15%; shale, black, silty, 10%
- 290 - 300 - Shale, light gray, silty, contains well rounded, light brown quartz fragments, 60%; shale, black, silty, 20%; limestone, massive, light brown, 20%