

SAMPLE LOG

DRILL HOLE: Flaharty #4
PROP. OWNER: Paul Flaharty
DRILL CONTRACTOR: Lamampco
DRILL OPERATOR: Jim Miller
DATE STARTED: 10/30/79
CASING LEFT IN HOLE:

LOC:

LOGGED BY: MRG & DRK
ELEV: 854'
DATE COMPLETED: 11/1/79
TOTAL DEPTH: 305'

- 30 - 40 - Limestone, light gray, contains shell fragments, horn corals? & elongate septate corals (Favosities)? 100%
- 40 - 50 - Limestone (light-medium gray) massive, crystalline, and silty, one bi-valve fossil 60%; shale, dark gray, silty, calcareous 40%
- 50 - 60 - Limestone, light gray, massive, crystalline, with shell fragments, locally silty, 60%; shale black, organic? silty, calcareous, 40%
- 60 - 70 - Limestone, light gray, massive crystalline, shell fragments 45%; shale, black, silty, calcareous 45%; shale, light gray, locally chloritic, silty, calcareous 10%
- 70 - 80 - Shale, black, silty, trace of pyrite 75%; shale, light gray, silty, calcareous 25%
- 80 - 90 - Shale, light gray, silty, micaceous, calcareous 95%; shale, black, silty 5%
- 90 - 100 - Shale, light gray, silty, locally carbonaceous, trace pyrite, calcareous 80%; limestone, light gray-brown, massive crystalline, 20%
- 100 - 110 - Shale, light gray, silty, slightly calcareous, micaceous 100%
- 110 - 120 - Shale, light gray, silty, slightly calcareous, micaceous 100%
- 120 - 140 - Shale, light gray, silty, slightly calcareous 100%
- 140 - 150 - Shale, light gray, silty, slightly calcareous 70%; shale, black, silty, slightly calcareous 30%
- 150 - 160 - Shale, black, silty, highly calcareous 50%; shale, light gray, silty, slightly calcareous 25%; coal fragments 25%
- 160 - 170 - Shale, black, silty, highly calcareous, one Coelenterate fossil present (horn coral?), 90%; limestone, light gray, silty, 10%
- 170 - 174 - Shale, black, silty 60%; Coal fragments, trace of pyrite 20%; sandstone, fine grained, brown, micaceous, 20% (U.V. good show)

Chips of cored section taken from reaming of hole 174' - 200'

- 174 - 180 - Sandstone, fine grained, brown micaceous, locally carbonaceous, 50%; shale, light gray, silty, micaceous, calcareous 45%; shale, black, silty, calcareous 5% (U.V.) fair show
- 180 - 185 - Sandstone, fine grained, brown micaceous 90%; shale, black, silty, 5%; limestone, dark gray, silty 5% (U.V.) fair show
- 185 - 190 - Sandstone, fine grained, brown, micaceous, locally carbonaceous, 99%; coal fragments & shale, black 1%; (U.V.) fair show
- 190 - 195 - Shale, light gray, silty, micaceous, slightly calcareous, 75%; sandstone, fine grained, brown, micaceous, locally carbonaceous, 25% (U.V.) fair show
- 195 - 200 - Shale, light gray, silty, micaceous, calcareous 70%; sandstone, fine grained, brown, micaceous, locally carbonaceous 30% (U.V.) fair show
- 200 - 205 - Shale, light gray, silty, micaceous, calcareous, 80%; sandstone, gray-brown, micaceous, locally carbonaceous, 10%; limestone, light gray, crystalline massive 5%; coal fragments 5%
- 205 - 210 - Shale, light gray, silty, micaceous, calcareous, 60%; coal fragments, 40%; siltstone, very micaceous, locally carbonaceous, very slightly calcareous 10%

- 210 - 220 - Shale, light gray, silty, micaceous, highly calcareous, 90%; shale, black, silty, calcareous 10%;
- 220 - 230 - Shale, light gray, silty, micaceous, trace of pyrite, 50%; shale, black, silty, 35%; coal fragments, 10%; siltstone, light gray, local concentration of light brown, well rounded quartz grains, 5%
- 230 - 240 - Shale, light gray, silty, micaceous, locally carbonaceous 100%
- 240 - 250 - Shale, light gray, silty, macaceous, 60%; siltstone, light gray, local concentration of light brown, well rounded quartz grains, locally micaceous, 40%; limestone, light brown, trace
- 250 - 260 - Shale, light-medium gray, silty, locally macaceous and carbonaceous, 100%
- 260 - 270 - Shale, black, silty, 60%; shale, light gray, micaceous, locally carbonaceous, slightly calcareous, silty, 40%
- 270 - 280 - Shale, medium gray, silty, locally carbonaceous, trace of pyrite, 50%; shale, black, silty, slightly calcareous 40%; siltstone, greenish, 5%; limestone, light gray, massive 5%
- 280 - 290 - Shale, black, silty, 60%; shale, light gray, silty, locally carbonaceous 25%; siltstone, greenish 15%
- 290 - 300 - siltstone, greenish, local concentration of a bronze colored mineral, and concentration of light brown, well rounded quartz grains, 90%; shale, black, silty 10%
- 300 - 305 - Shale, gray, silty, 35%; siltstone, greenish, local concentration of a bronze like mineral, 35%; shale, black, silty, 30%