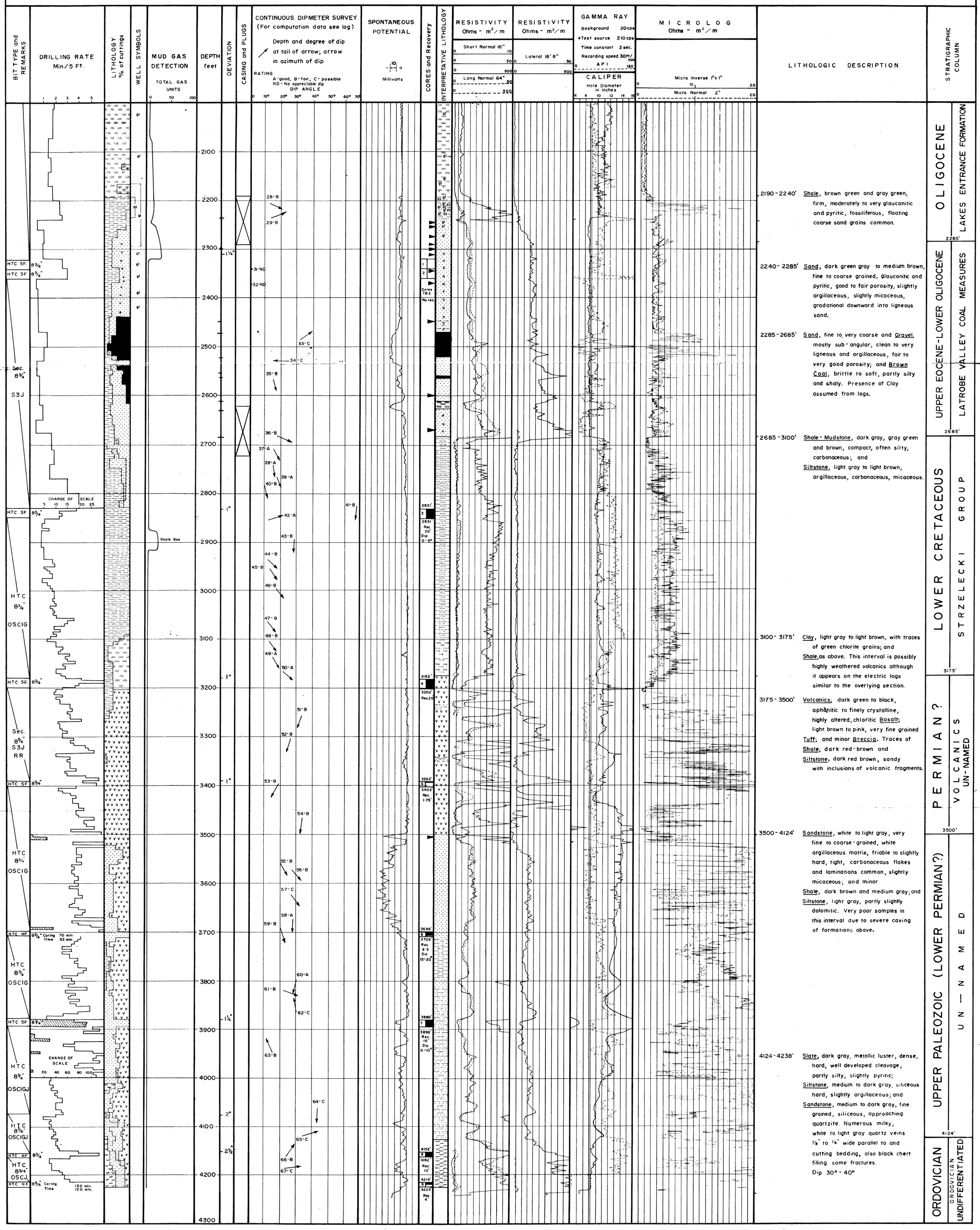
COMPOSITE WELL LOG

DUCK BAY No. 1

2000 - 4238'

Sheet 2 of 2

DEPT. NAT. RES & ENV
PE602058



2190 - 2240' Shale, brown green and gray green, firm, moderately to very glauconitic and pyritic, fossiliferous, floating coarse sand grains common.

2240 - 2285' Sand, dark green gray to medium brown, fine to coarse grained, glauconitic and pyritic, good to fair porosity, slightly argillaceous, slightly micaceous, gradational downward into ligneous sand.

2285 - 2685' Sand, fine to very coarse and Gravel, mostly sub-angular, clean to very ligneous and argillaceous, fair to very good porosity; and Brown Coal, brittle to soft, partly silty and shaly. Presence of Clay assumed from logs.

2685 - 3100' Shale - Mudstone, dark gray, gray green and brown, compact, often silty, carbonaceous; and Siltstone, light gray to light brown, argillaceous, carbonaceous, micaceous.

3100 - 3175' Clay, light gray to light brown, with traces of green chlorite grains; and Shale, as above. This interval is possibly highly weathered volcanics although it appears on the electric logs similar to the overlying section.

3175 - 3500' Volcanics; dark green to black, aphanitic to finely crystalline, highly altered, chloritic Basalt; light brown to pink, very fine grained Tuff; and minor Breccia. Traces of Shale, dark red-brown and Siltstone, dark red brown, sandy with inclusions of volcanic fragments.

3500 - 4124' Sandstone, white to light gray, very fine to coarse-grained, white argillaceous matrix, friable to slightly hard, tight, carbonaceous flakes and laminations common, slightly micaceous; and minor Shale, dark brown and medium gray; and Siltstone, light gray, partly slightly dolomitic. Very poor samples in this interval due to severe caving of formations above.

4124 - 4238' Slate, dark gray, metallic luster, dense, hard, well developed cleavage, partly silty, slightly pyritic; Siltstone, medium to dark gray, siliceous hard, slightly argillaceous; and Sandstone, medium to dark gray, fine grained, siliceous, approaching quartzite. Numerous milky, white to light gray quartz veins 1/8" to 1/4" wide parallel to and cutting bedding, also black chert filling some fractures. Dip 30° - 40°