83-557

PLATE 1. STRATIGRAPHIC COLUMN AND SUMMARY CHART OF GEOLOGIC DATA, NORTON SOUND COST NO. 2 WELL, NORTON SOUND, ALASKA

[redacted]

Department of the Interior
United States Geological Survey
Minerals Management Service

OPEN-FILE REPORT 83-557

ERA: CENOZOIC

PERIOD: QUATERNARY; TERTIARY

EPOCH AND AGE: PLEISTOCENE; PLIOCENE (LATE, MIDDLE, EARLY); MIOCENE (LATE, ? EARLY); OLIGOCENE; EOCENE; EOCENE OR OLDER; PALEOZOIC OR PRECAMBRIAN

PALEOBATHYMETRY: CONTINENTAL; TRANSITIONAL; INNER TO MIDDLE NERITIC (0-300 FT); MIDDLE TO OUTER NERITIC (300-600 FT); OUTER NERITIC TO UPPER BATHYAL (600-1,200 FT)

1846'

2228'

10,180'

12,700'

14,460'

MEASURED DEPTH (FEET): 0; 1000; 2000; 3000; 4000; 5000; 6000; 7000; 8000; 9000; 10000; 11000; 12000; 13000; 14000; 15000

GAMMA-RAY LOG

SP LOG

LITHOLOGY

DEEP RESISTIVITY LOG

DENSITY LOG

SONIC LOG

DESCRIPTIONS OF LITHOLOGIC UNITS

1180 TO 9535 FT DIATOMACEOUS MUDSTONE, SILTSTONE, AND MUDDY SANDSTONE

9535 TO 4570 FT MUDSTONE, SILTSTONE, SANDSTONE, AND COAL

4570 TO 6000 FT MUDSTONE, SILTSTONE, SANDSTONE, AND MINOR COAL

6000 TO 8425 FT MUDSTONE, SILTSTONE, SANDSTONE, AND COAL

8425 TO 9230 FT SILTSTONE AND MUDSTONE WITH MINOR SANDSTONE AND COAL

9230 TO 11958 FT SILTSTONE, SANDSTONE, MUDSTONE, AND SHALE

11958 TO 12378 FT SANDSTONE WITH MINOR SILTSTONE, MUDSTONE, AND CONGLOMERATE

12378 TO 12700 FT SILTSTONE, MUDSTONE, SANDSTONE, AND MINOR COAL

12700 TO 14460 FT SANDSTONE, SILTSTONE, MUDSTONE, AND COAL

14460 TO 14889 FT QUARTZITE, PHYLLITE, AND MARBLE

POROSITY (PERCENT): 3.00; 10.00; 100.00

PERMEABILITY (MILLIDARCIES): 0.01; 0.10; 1.00; 10.00; 100.00

TOTAL ORGANIC CARBON (PERCENT) = ROBERTSON RESEARCH: 0.10; 0.50; 1.00; 10.00; 100.00

RANDOM VITRINITE REFLECTANCE (PERCENT) = ROBERTSON RESEARCH: 0.10; 0.40; 10.00

1 SAMPLES; 2 SAMPLES; 3 SAMPLES; 4 SAMPLES; 5 SAMPLES; 6 SAMPLES; 7 SAMPLES; 8 SAMPLES; 10 SAMPLES; 11 SAMPLES