OFR 93-009

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FIGURE 3. DETAILED PLOT OF NOVA SCOTIA DEPARTMENT OF NATURAL RESOURCES DIAMOND-DRILL HOLE PIC 88-1, PICTOU (FOOTES LANE), PICTOU COUNTY, NOVA SCOTIA.

R. C. BOEHNER
MINERAL RESOURCES DIVISION

NOVA SCOTIA DEPARTMENT OF NATURAL RESOURCES

HONOURABLE JOHN G. LEEFE, MINISTER

Halifax, Nova Scotia
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NOVA SCOTIA DEPARTMENT OF NATURAL RESOURCES DRILLHOLE PIC 88-1, PICTOU, PICTOU COUNTY, NOVA SCOTIA.

DRILLHOLE: PIC 88-1 **BY:** NOVA SCOTIA DEPARTMENT OF MINES AND ENERGY

LOCATION: FOOTES LANE, PICTOU COUNTY (Figure 2) **NTS:** 11E/10

LATITUDE: 45 41 35.4 **LONGITUDE:** 62 42 19.55

ELEVATION: 132.8 FEET (40.49 m) **INCLINATION:** VERTICAL

TOTAL DEPTH: 657.0 FEET (200.25 m **DATE DRILLED:** JUNE, 1988

DRILLED BY: NSDNR; D. MacLellan

CASING: TEMPORARY DIAMOND-DRILL CASING WAS REMOVED

CORE SIZE: NQ from 20.0-386.0 ft, BQ from 386.0-657.0 ft

DRILL FLUID: FRESH WATER

GEOPHYSICAL LOGS: A SERIES OF DOWNHOLE GEOPHYSICAL LOGS WERE RUN BY CENTURY GEOPHYSICAL CORPORATION AND INCLUDED CALIPER, GAMMA RAY (NAT), SP, RESISTANCE, GAMMA GAMMA AND NEUTRON (INCLUDED).

0.0 to 20.0: OVERBURDEN: NOT CORED, no recovery.
NOTE: ALL LOG DEPTHS ARE IN FEET

20.0 to 30.0: SANDSTONE: sandstone, grey with minor yellow at top, medium to coarse grained, pebbly lag conglomerate, blocky core, minor lost core, bedding estimated at 85 degrees CA.

30.0 to 38.4: SILTSTONE: siltstone and mudstone, dark grey.

38.4 to 47.5: SILTSTONE: siltstone and mudstone, red.

47.5 to 81.0: SANDSTONE: sandstone, light to medium grey, medium to coarse grained, pebbly lag conglomerate with coaly fragments and grey mud chips at base, weathered, bedding approximately 80 degrees CA.

81.0 to 86.9: SILTSTONE: siltstone, fine sandstone and mudstone, grey with red mottle.

86.9 to 128.9: SILTSTONE: siltstone, fine sandstone and mudstone, red, minor calcrete and green mottle.

128.9 to 172.0: SANDSTONE: sandstone, light grey, medium to coarse grained, minor pebbly lag conglomerate and coaly fragments, bedding approximately 80 degrees CA.

172.0 to 188.0: SILTSTONE: siltstone, shale and mudstone, medium to dark grey, minor lost core, palynology sample at 173.0-188.0.

188.0 to 224.0: SANDSTONE: sandstone, medium to light grey, medium to coarse grained, minor pebbly lag conglomerate and coaly fragments, arkosic at base, bedding approximately 80 degrees CA.

224.0 to 241.0: SILTSTONE: siltstone, fine sandstone and mudstone interbedded, red with minor grey at top and mottled near base, dips 80 degrees CA.

241.0 to 261.1: SANDSTONE: sandstone, light to medium grey, medium to coarse grained, minor pebbly lag conglomerate, bedding approximately 80 degrees CA.

261.1 to 271.0: SILTSTONE: siltstone, fine sandstone and mudstone, dark red with grey green mottle near base, dips 80 degrees CA.

271.0 to 279.0: SANDSTONE: sandstone, light to medium grey at base and red at top, medium to coarse grained, minor pebbly lag conglomerate, bedding approximately 80 degrees CA.

279.0 to 289.4: SILTSTONE: siltstone, fine sandstone and mudstone, dark red with grey green mottle near base, dips 80 degrees CA.

289.4 to 304.0: SANDSTONE: sandstone, light to medium grey, medium grained, minor pebbly lag conglomerate and pyritic coaly fragments, bedding approximately 80 degrees CA.

304.0 to 361.1: SILTSTONE: siltstone, fine sandstone and mudstone, light to dark red with minor grey mottle, rippled, dips 80 degrees CA.

361.1 to 404.9: SANDSTONE: sandstone, light to medium grey, medium grained, minor pebbly lag conglomerate and pyritic coaly fragments, bedding approximately 80 degrees CA.

404.9 to 415.5: SILTSTONE: siltstone, shale and mudstone, light to dark grey, thin coal with sandstone at 410.1-411.1, dips 80 degrees CA.

415.5 to 445.0: SILTSTONE: siltstone and mudstone, light to dark red with minor grey mottle at base, dips 80 degrees CA.

445.0 to 461.5: SILTSTONE: siltstone and mudstone, light to medium grey, dips 80 degrees CA, palynology sample at 453.5-461.5.

461.5 to 576.0: SANDSTONE: sandstone, light to medium grey, medium grained, minor pebbly lag conglomerate and pyritic coaly stringers and fragments, bedding approximately 80 degrees CA.

576.0 to 590.2: SILTSTONE: siltstone and mudstone, dark red, dips 80 degrees CA.

590.2 to 650.6: SANDSTONE: sandstone, light to medium grey, mottled red at top, fine to coarse grained, minor pebbly lag conglomerate and pyritic coaly stringers and fragments, stacked sand channel sequences, bedding approximately 80 degrees CA.

650.6 to 657.0: SILTSTONE: siltstone and mudstone, grey at top and dark red at base, dips 80 degrees CA.
TOTAL DEPTH 657.0 FEET