

This geological cross-section illustrates the subsurface structure of the Southern Field. The diagram shows a series of rock layers dipping to the right. Key features include:

- Wells and Drills:** Several vertical lines represent wells or drills, labeled with numbers such as No. 59, 149504, No. 57, No. 56, 15034, 1483.3, 14795, 14772.2 No. 15, 1475.7, 1474.2 No. 14, No. 16, 14774, 14778, 14740, No. 1 HOLE, Parted, 14720, and 14710.
- Rock Layers and Thicknesses:**
 - CONGLOMERATE 26', SAND SLATE 4', CONGLOMERATE 51', SANDSLATE 2'6", CONGLOMERATE 23', SANDSTONE 8', SANDSTONE AND CONGLOMERATE 72', SLATE 3', CONGLOMERATE 2', SLATE 8', COAL WASH 8'9", SLATE 0'8", SLATE 18', SANDSTONE 23', BROKEN CONGLOMERATE 50'1", TOTAL 321 FEET.
 - CONGLOMERATE 58', TOTAL DEPTH 69 FEET, NW 5000.
 - COAL 27', SLATE 5', TOTAL DEPTH 64 FEET.
 - COAL 11', SLATE 20', SLATE ROCK 4', TOTAL DEPTH 52 FEET.
 - COAL 6', SLATE 6', COAL 38', ROCK and SLATE 4', TOTAL DEPTH 145 FEET.
 - CONGLOMERATE 376 FEET.
 - SANDSTONE 20 FEET.
 - CONGLOMERATE 140'6", TOTAL DEPTH 548'6".
- Geological Features and Elevation:**
 - MAMMOTH BED, SKIDMORE BED, SEVEN FOOT BED, BUCK MOUNTAIN BED.
 - Elevations: 1370.5, 1353.0, 1347.6, 1370.0, 1363.6, 1336.0, 1300.1, 1279.0, 1276.0, 1278.0, 1258.0, 1229.6, 1200 FOOT DATUM, 1171.4, 1154.2, 1109 MOREA PUMP HOUSE FLOOR, 1078.5, 1033, 993.0.
 - THIRD LEVEL 1078.5, FOURTH LEVEL 1033, PROJECTED WEST 228 FEET.
 - PROJECTED WEST 480 FEET.
- Other Labels:**
 - Base Line No. 128.
 - PROVING HOLE, TOP OF ROCK HOLE.
 - W 5000, N 2000.
 - Southern Field.

MAHANOTY TWP, SCHUYLKILL COUNTY PA.,
14. E. SCHUYLKILL DISTRICT. DODSON COAL CO.,
MADEIRA HILL COAL CO.,

No 7-A.
MOREA COLLIERY
SECTION THROUGH LINE No 5, OR THROUGH BREAST No 57
— IN THE —
FIRST WEST BUCK MOUNTAIN SOUTH DIP GANGWAY
SCALE 1 INCH = 100 FEET.