COLUMNAR SECTION

DIAMOND DRILL HOLE NO. 246-P

ARCADIA DISTRICT

JOSEPH B. ARBLE TRACT

MONTGOMERY TOWNSHIP INDIANA COUNTY, PA.

APRIL 24, 1935 SCALE 1"=20'

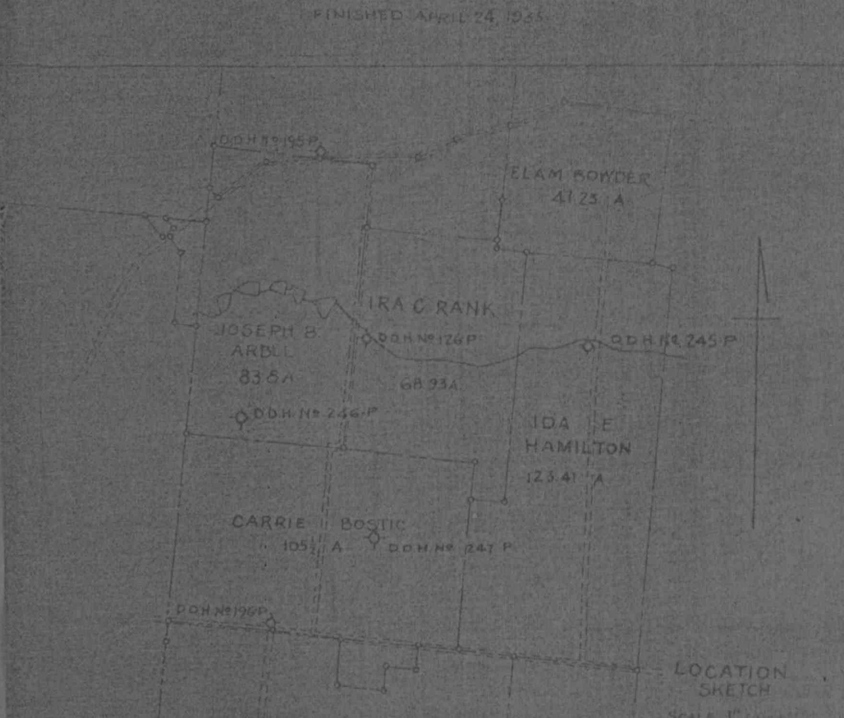
SURFACE ELEV. 1706.66

Thickness	Strata
6'-0"	SURFACE
12'-0"	BROWN SHALE AND CLAY
12'-0"	GRAY SHALE
5'-0"	LIGHT SHALE
12'-0"	GRAY SHALE
30'-4"	SANDSTONE
0'-6"	DARK SHALE
1'-2"	SANDSTONE WITH SHALE SPOTS
0'-4"	BONE COAL AND SLATE
7'-9"	DARK SHALE
7'-2"	GRAY SHALE
1'-3"	BONE COAL AND SLATE
7'-0"	SOFT FIRE CLAY
1'-1"	FIRE CLAY AND LIME
4'-7"	LIMEY FIRE CLAY AND LIMESTONE
3'-5"	LIGHT SHALE
3'-0"	LIMESTONE
7'-0"	SHALEY CLAY AND LIME SPOTS
15'-0"	SHALE AND DARK CLAY
5'-6"	LIGHT SHALE
23'-4"	SANDSTONE
4'-0"	SOFT FIRE CLAY
0'-6"	LIME SHALE
0'-7"	DARK SHALE
6'-0"	LIGHT SHALE
26'-3"	LIGHT SANDY SHALE
12'-2"	SANDSTONE
3'-2"	BLACK SLATE
0'-5"	BONE COAL
5'-0"	FIRE CLAY WITH LIME SPOTS
7'-1"	LIGHT SHALE WITH LIME SPOTS
18'-0"	LIGHT SHALE
29'-5"	LIGHT SANDY SHALE
18'-5"	DARK SANDY SHALE
0'-3"	DARK FOSSILIFEROUS SHALE
8'-2"	DARK SANDY SHALE
9'-0"	LIGHT SANDY SHALE
4'-6"	LIGHT SHALE AND LIME STREAKS
9'-0"	LIGHT SANDY SHALE
9'-9"	SANDSTONE
0'-1"	DARK SANDY SHALE WITH COAL STREAKS
2'-6"	DARK SANDY SHALE
4'-6"	LIMEY FIRE CLAY
0'-[illegible]	SOFT FIRE CLAY
1'-2"	SHALEY FIRE CLAY
7'-0"	LIGHT SHALE
0'-10"	DARK SHALEY CLAY
2'-0"	LIGHT SHALE
0'-[illegible]	DARK SHALE
6'-4"	LIGHT SHALE
13'-5"	SANDSTONE
3'-6"	LIGHT SHALE
3'-6"	SANDSTONE
10'-8"	LIGHT SANDY SHALE AND SANDSTONE
1'-6"	FIRE CLAY
18'-4"	LIGHT SHALE, SANDY
2'-5"	SANDSTONE
4'-0"	LIGHT SHALE VERY SANDY
4'-0"	GRAY SANDY SHALE
[illegible]'-0"	LIGHT SANDY SHALE
3'-[illegible]	DARK SHALEY CLAY

E — TOP OF BLACKSLATE 0'-0½"; BONE 0'-0½"; COAL WITH 25.5 [illegible] LAM. 2'-4½"; BONE 0'-0½"

TOTAL DEPTH 423'-6"

FINISHED APRIL 24, 1935



No 126 — Geo. Rank, Arcadia Dist.

Surface 27'6" · Light Shale 9' · Light Sandy Shale 61' · Dark Shale · Dark Sandy Shale · Dark Shale · Black Slate · Fire Clay · Light Shale 23' · Variegated Shale 19' · Light Sandy Shale 28'6" · Gray Shale 18'6" · Dark Sandy Shale 10' · Black Slate 1' · Gray Shale 11' · Black Slate · Light Sandy Shale · Light Shale 30'6" · Sandstone 17' · Variegated Shale 18' · Sand Stone · Light Shale · Light Sandy Shale 35' · Gray Shale 11' · Limestone 8' · Fire Clay 3' · Light Shale 7' · Black Slate 1' · Gray Shale 7' · Cannel coal · Coal · Fire Clay · Light Shale 9' · Light Sandy Shale · Fire Clay 2' · Light Sandy Shale · Sand Stone · Dark Sandy Shale 35' · Black Shale · Dark Sandy Shale · Black Slate · Black Slate · Coal · Fire Clay 14' · Dark Shale · Dark Shale with streaks of Hard Sand Rock 13' · Hard Sand Rock · Dark Shale · Hard Sand Rock 14' · Dark Shale · Coal · Dark Shale · Coal · Fire Clay

Coal section: Dark Shale · Bone · Coal 2'07" · Fire Clay · Bone · Coal 1'4" · Gray Sh. 2'8½" · Gray Shale 7" · Cannel Coal · Coal 1'11" · Fire Clay · Light Shale 7' — 337'10" · 354'3½" · 380'0½"

TOTAL DEPTH 376'0"

Geo. Rank · John Smith

NOTE: INFORMATION SUPPLIED BY CLEARFIELD BITUMINOUS COAL CORP.

THE ARCADIA CO., INC.

DODSON & FOREMAN, INC.

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COLUMNAR SECTION

DIAMOND DRILL HOLE NO. 245-P

ARCADIA DISTRICT

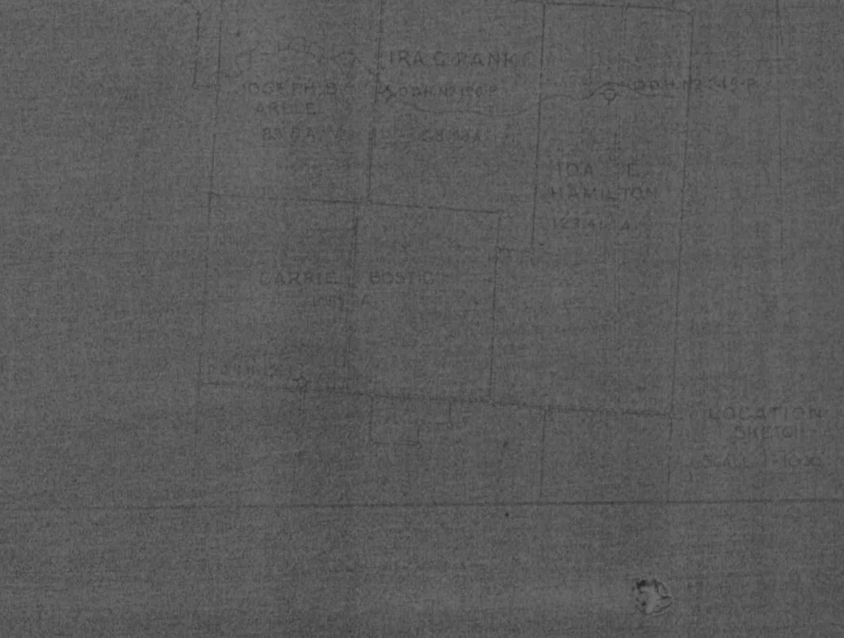
IDA E. HAMILTON TRACT

MONTGOMERY TOWNSHIP INDIANA COUNTY, PA.

APRIL 8, 1935 SCALE 1"=20'

SURFACE ELEV. 1607.35

Thickness	Strata
21'-5"	SURFACE
3'-0"	SOFT SHALE
31'-0"	LIGHT SHALE
27'-0"	SANDSTONE
3'-0"	DARK SHALE
4'-0"	SOFT DARK SHALE
0'-5"	BONE COAL
6'-0"	SOFT DARK CLAY
1'-0"	CLAYEY LIMESTONE
0'-6"	LIME SHALE
29'-5"	LIGHT SHALE
30'-0"	LIGHT SANDY SHALE
20'-0"	DARK SANDY SHALE
0'-7"	DARK FOSSILIFEROUS SHALE
2'-0"	DARK SHALE
14'-6"	DARK SHALE WITH SANDSTONE STREAKS
1'-0"	DARK FIRE CLAY
2'-4"	DARK SHALE
3'-6"	LIGHT SHALE
3'-0"	SOFT FIRE CLAY
5'-0"	LIME SHALE
1'-5"	DARK SHALE
6'-[illegible]	LIGHT SHALE
2'-6"	FIRE CLAY
6'-0"	LIGHT SANDY SHALE
3'-0"	SANDSTONE
1'-6"	LIGHT SANDY SHALE
1'-4"	SANDSTONE
3'-7"	FIRE CLAY
10'-6"	LIGHT SHALE
2'-6"	FIRE CLAY
21'-0"	LIGHT SHALE
[illegible]	DARK SHALE WITH SANDSTONE STREAKS
3'-2"	DARK FIRE CLAY
[illegible]	DARK SANDY SHALE
[illegible]	LIMEY FIRE CLAY
[illegible]	LIGHT SHALE

TOTAL DEPTH 380'-0"

FINISHED APRIL 8, 1935