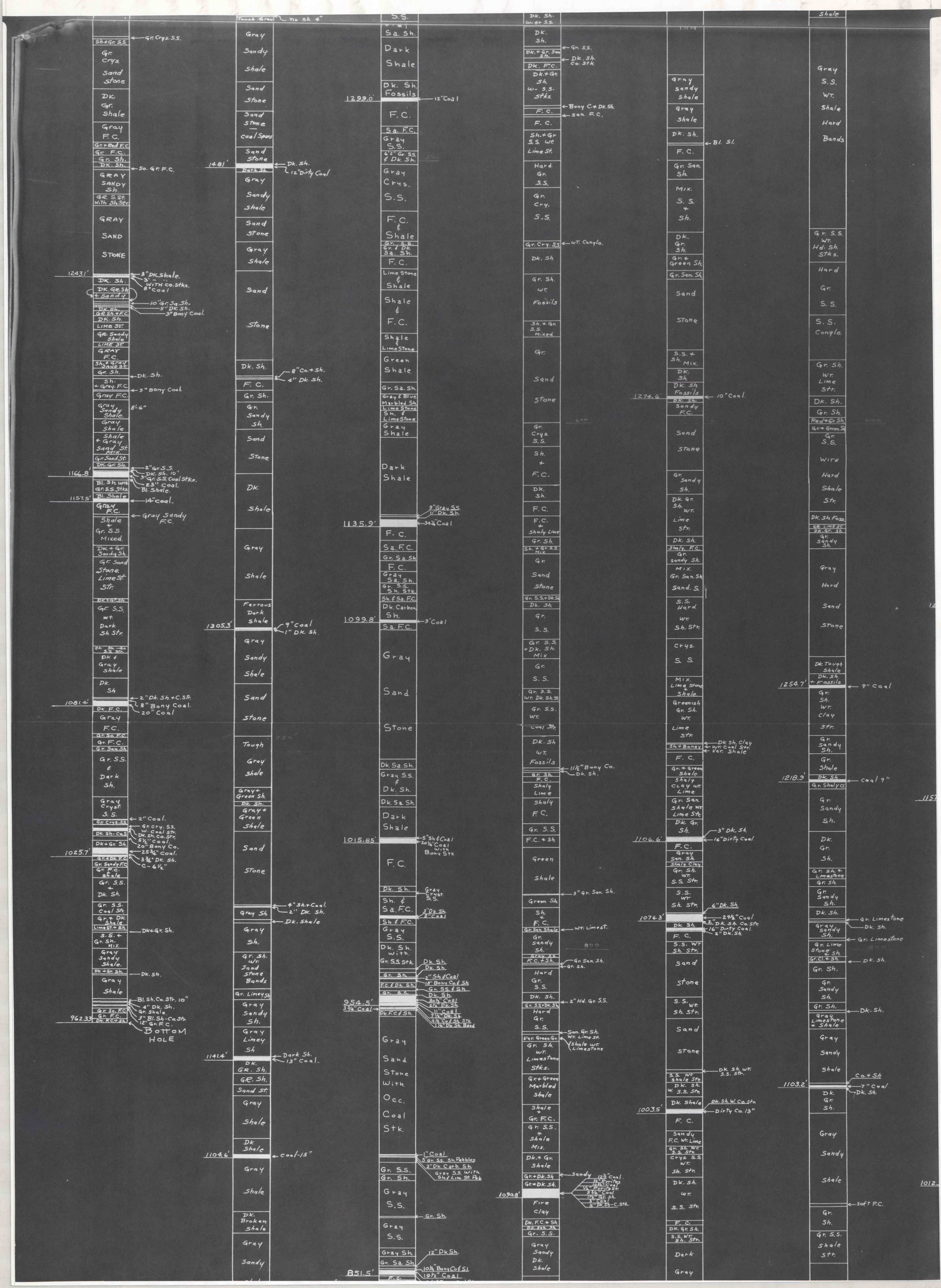
Sh.&Gr. S.S.
Gr. Crys. S.S.
Gr. Crys. Sand stone
DK. Gr. Shale
Gray F.C.
Gr.+Red F.C.
Gr. F.C.
Gr. Sh.
DK. Sh.
So. Gr. F.C.
GRAY SANDY Sh.
GR. S.St. With Sh.Str.
GRAY SAND STONE
1243.1'
3" DK.Shale.
3" " " WITH Co.Stks.
8" Coal
DK. Sh.
DK.GR.Sh & Sandy
10" Gr.Sa.Sh.
5" DK.Sh.
3" Bony Coal.
DK.Sh.
GR.Sh.+F.C.
DK. Sh.
LIME ST.
GR. Sandy Shale
LIME ST.
GRAY F.C.
Sh.+Gray Sand St.
Gr. Sh.
Dk. Sh.
Sh. + Gray. F.C.
3" Bony Coal.
Gray F.C.
Gray Sandy Shale.
8'-6"
Gray Shale
Shale + Gray Sand St. Mix.
Gr. Sand St.
DK. Gr. Sh.
2" Gr. S.S.
DK. Sh. 10"
3" Gr. S.S. Coal Stks.
23" Coal.
Bl. Shale.
1166.8'
Bl. Sh. with Gr. S.S. Stks.
Bl. Shale
1157.5'
14" coal.
Gray F.C.
Gray Sandy F.C.
Shale + Gr. S.S. Mixed
DK + Gr. Sandy Sh.
Gr. Sand Stone, Lime St. Str.
DK+Gr.Sh
Gr. S.S. wt. Dark Sh. Str.
Dk. Sh. & Gr. S.S. Str.
DK & Gray Shale
Dk. Sh
2" Dk. Sh.+C.Str.
8" Bony Coal.
20" Coal
1081.4'
Dk. F.C.
Gray F.C.
Gr. Sa. F.C.
Gr. F.C.
Gr. San. Sh.
Gr. S.S. & Dark Sh.
Gray Cryst. S.S.
2" Coal.
Gr. Crys. S.S
Gr. cry. S.S. W. Coal Str.
Dk. Sh-Co.S
Dk. Sh. Co. Str.
5½" Coal.
Dk+Gr. Sh.
20" Bony Co.
25¾" Coal.
1025.7'
Gr.+Dk. F.C.
3¾" Dk. Sh.
C - 6½"
Gr. Sandy F.C.
Gr. F.C. Shale
Gr. S.S. + Dk. Sh.
Gr. S.S. Coal Str.
Gr.+Dk. Shale
Lime St.+Sh.
Dk+Gr. Sh.
S.S. + Gr. Sh. Mix.
Gray Sandy Shale.
Dk+Gr. Sh.
Dk. Sh.
Gray Shale
Bl. Sh. Co. Str. 10"
4" Dk. Sh.
Gr. Shale
3" Bl. Sh-Co. Str.
12" Gr. F.C.
Gr. Sa. F.C.
Gr. F.C.
Dk. F.C.+Sh.
962.33
BOTTOM HOLE
Tough Gray
Dk Sh. 4"
Gray Sandy Shale
Sand Stone
Sand Stone
Coal/Spars
Sand Stone
1481'
Dk. Sh.
12" Dirty Coal
Dark Sh.
Gray Sandy Shale
Sand Stone
Gray Shale
Sand Stone
Dk. Sh.
8" Co.+Sh.
4" Dk. Sh.
F.C.
Gr. Sh.
Gr. Sandy Sh.
Sand Stone
Dk. Shale
Gray Shale
Ferrous Dark Shale
1305.3'
9" Coal
1" Dk. Sh.
Gray Sandy Shale
Sand stone
Tough Gray Shale
Gray+Green Sh.
Dk. Sh.
Gray+Green Shale
Sand Stone
4" Sh.+Coal.
2" Dk. Sh.
Gray Sh
Dk. Shale
Gray Sh.
Gr. Sh. Wt. Sand stone Bands
Gr. Limey Sh
Gray Sandy Sh.
Gray Limey Sh
1141.4'
Dark Sh.
13" Coal.
Dk. GR. Sh.
GR. Sh.
Sand St.
Gray Shale
Dk Shale
1104.6'
Coal-15"
Gray Shale
Dk. Broken Shale
Gray Sandy
S.S.
Sa. Sh.
Dark Shale
Dk. Sh. Fossils
1299.0'
12" Coal
F.C.
Sa. F.C.
Gray S.S.
6½" Gr. S.S. & Dk. Sh.
Gray Crys. S.S.
F.C. & Shale
Gr. S.S.
Gr. & Dk. Sa. Sh.
F.C.
Lime Stone & Shale
Shale & F.C.
Shale & LimeStone
Green Shale
Gr. Sa. Sh.
Gray & Blue Marbled Sh.
Lime Stone
Sh. & LimeStone
Gray Shale
Dark Shale
9" Gray S.S.
11" Dk. Sh.
1135.9'
34¼" Coal
F.C.
Sa. F.C.
Gr. Sa. Sh
F.C.
Gray Sa. Sh.
Gr. S.S. Sh. Stk.
Sh. & Sa. F.C.
Dk. Carbon. Sh.
1099.8'
9" Coal
Sa. F.C.
Gray Sand Stone
Dk. Sa. Sh.
Gray S.S. & Dk. Sh.
Dk. Sa. Sh.
Dark Shale
1015.85'
5" Sh & Coal
20¼" Coal With Bony Stk
F.C.
Dk. Sh.
Gray Cryst S.S.
Sh. & Sa. F.C.
3" Dk. Sh.
5" Coal
Sh & F.C.
Gray S.S.
Dk. Sh. with Gr. S.S. Stk.
Dk. Sh.
Dk. Sh.
Gr. Sh.
2" Sh & Coal
18" Bony Co. & Sh
F.C. & Dk. Sh.
Gr. S.S. & Sh.
Gr. S.S.
Dk. Sh.
30½" Coal
2½" Dk. Sh.
954.5'
3¾" Coal
11" Coal
7½" Dk. Sh.
4½" Co & Sh Stk
1¼" Dk Sh Band
Dk. F.C. & Sh.
Gray Sand Stone With Occ. Coal Stk.
1" Coal
5" Gr. S.S. Sh Pebbles
2" Dk. Carb. Sh.
Gray S.S. With Sh. & Lim. St. Peb
Gr. S.S.
Gr. Sh.
Gray S.S.
Gr. Sh.
Gray S.S.
Gray Sh
12" Dk Sh.
Gr. Sa. Sh
10¼" Bony Co & Sl
851.5'
19½" Coal
F.C.
Dk. Sh. w. gr S.S.
DK. Sh.
Gr. S.S.
Dk.+Gr. San Sh.
Dk. Sh. Co. Stk
Dk. F.C.
Dk.+Gr. Sh. w- S.S. stks.
Bony C.+Dk. Sh.
F.C.
San. F.C.
F.C.
Sh.+Gr S.S. wt. Lime St.
Hard Gr. S.S.
Gr. Cry. S.S.
Gr. Cry. S.S
wt. Conglo.
Dk. Sh
Gr. Sh. wt. Fossils
Sh.+Gr. S.S. Mixed
Gr. Sand stone
Gr. Crys. S.S.
Sh. + F.C.
Dk. Sh.
F.C.
F.C. + Shaly Lime
Gr. Sh.
Sh.+Gr. S.S. Mix
Gr. Sand stone
Gr. S.S.+Dk. Sh
Dk. Sh.
Gr. S.S.
Gr. S.S. +Dk. Sh. Mix
Gr. S.S.
Gr. S.S. wt. Dk. Sh. St.
Gr. S.S. wt. Coal Str.
Dk. Sh wt. Fossils
11½" Bony Co.
Dk. Sh.
Gr. Sh.
F.C.
Shaly Lime
Shaly F.C.
Gr. S.S.
F.C.+Sh.
Green Shale
3" Gr. San. Sh.
Green Sh.
Sh. + F.C.
Gr. San. Shale
wt. Limest.
Gr. sandy Sh.
Gray S.S.
F.C.+Sh.
Gr. San. Sh.
Gr. Sh.
Hard Gr. S.S.
Dk. Sh.
Gr. S.S.+Dk. Sh
2" Hd. Gr. S.S.
Hard Gr. S.S.
San. Gr. Sh. Wt. Lime St.
Var. Green Gr.
Shale wt. Limestone
Gr. Sh. wt. Limestone Stks.
Gr.+Green Marbled Shale
Shale + Gr. F.C.
Gr. S.S. + Shale Mix.
Dk.+Gr. Shale
Gr.+Dk. Sh
Sandy
Gr.+Dk. Sh.
12½" Coal
½" Pyrites
10½" Coal
½" Pyrite St.
5¼" Coal
1½" Gr. Sh.
3" Coal
5" Dk. Sh-C. Stk.
1090.8'
Fire Clay
Dk. F.C.+Sh.
Dk. San. Sh.
Gr. S.S.
Gray Sandy Dk. Shale
Gray sandy shale
Gray shale
Dk. Sh.
Bl. Sl.
F.C.
Gr. San. Sh.
Mix. S.S. + Sh.
Dk. Gr. Sh.
Gr.+Green Sh.
Gr. San. Sh.
Sand Stone
S.S. + Sh. Mix.
Dk. Sh.
Dk. Sh. Fossils
1274.6'
10" Coal.
Dk. Sh.
Sandy F.C.
Sand Stone
Gr. Sandy Sh.
Dk. Gr. Sh. wt. Lime Str.
Dk. Sh.
Shaly F.C.
Gr. sandy Sh.
Mix. Gr. San. Sh
Sand. S.
S.S. Hard wt. Sh. Str.
Crys. S.S.
Mix. Lime Stone & Shale.
Greenish Gr. Sh. wt. Lime Str.
Dk. Sh. Clay
wt. Coal Str.
Var. Shale
Sh.+Boney
F.C.
Gr.+Green Shale
Shaly Clay wt. Lime
Gr. San. Shale wt. Lime Str.
Dk. Gr. Sh.
3" Dk. Sh.
1106.6'
16" Dirty Coal
F.C.
Gray San. Sh.
Shaly Clay
Gr. Sh. wt. S.S. Str.
S.S. wt Sh. Str.
6" Dk. Sh.
1076.3'
29½" Coal
2" Dk. Sh. Co. Str.
Dk. Sh.
16" Dirty Coal.
2" Dk. Sh.
F.C.
S.S. wt Sh. Str.
Sand stone
S.S. wt. Sh. Str.
Sand stone
Dk. Sh. wt. S.S. Str.
S.S. wt. shale Str.
Dk. Sh. w. S.S. Str.
Dk. Shale
Dk. Sh. W. Co. Stn
1003.5'
Dirty Co. 13"
F.C.
Sandy F.C. wt. Lime
Gr. Sh. wt. S.S. Stn
Crys S.S wt. Sh. Str.
Dk. Sh. wt. S.S. Str.
F.C.
Dk. Gr. Sh.
S.S. wt. Sh. Str.
Dark Gray
Shale
Gray S.S. wt. Shale Hard Bands
Gr. S.S. wt. Hd. Sh. Stks.
Hard Gr. S.S.
S.S. Conglo.
Gr. Sh. wt. Lime Str.
Dk. Sh.
Gr. Sh.
Red+Gr. Sh.
Gr.+Green Sh
Gr. S.S. WITH Hard Shale Str.
Dk. Sh Foss.
Gr. Lime St.
Dk. Gr. Sh.
Gr. Sandy Sh.
Gray Hard Sand Stone
Dk. Tough Shale
Dk. Sh. + Fossils
1254.7'
9" Coal
Gr. Sh. wt. Clay Str.
Gr. Sandy Sh.
Gr. Shale
Dk. Sh.
1218.9'
Coal 9"
Gr. Shaly Cl.
Gr. Sandy Sh.
Dk. Gr. Sh.
Gr. Sh. + Limestone
Gr. Sh.
Gr. Sandy Sh.
Dk. Sh.
Gr. Limestone
Dk. Sh.
Gray Sandy Sh.
Gr. Limestone
Gr. Lime Stone + Sh.
Gr. Cl.+Sh.
Dk. Sh.
Gr. Sh.
Gr. Sandy Sh.
Gr. Sh.
Dk. Sh.
Gray Limestone + Shale
Gray Sandy Shale
Co.+Sh
1103.2'
7" Coal
Dk. Sh.
Dk. Gr. Sh.
Gray Sandy Shale
Soft F.C.
Gr. Sh.
Gr. S.S. shale str.
12
1157
1012