70017
051-82

LATITUDE
40° 00'

0.095
2.12W

LONGITUDE
80°40'

7'5 OGIS topo location

7.5' loc 0.095 15' loc _____
2.12W (calc.) _____

MTW #7

Company WHEELING DEVELOPMENT Co.

Farm BOGGS RUN DEEP WELL

Quad MOUNDSVILLE

County MARSHALL

District UNION

WELL LOCATION MAP

File No. 70017

#7 ON COUNTY REPORT MAP
pg. 82 TEXT

70017

BOGGS RUN DEEP WELL. (M-7).

M-W-T, pp. 82-83.
Vol. I, p. 364.
Deep-Well Records, pp. 293-4. 1936

Union District, Marshall County, W. Va.
By Wheeling Development Co., J. C. Brady, Secretary.
Elevation, 900' B.
5.72 mi. N. of 39° 55' and 2.35 mi. E. of 80° 45'--NW--Cameron Quadrangle.
On Boggs Run, 2 mi. S. E. of Benwood and 1.5 mi. N. E. of McMechen.
Record published in Vol. I, pp. 364-5; in Ohio-Brooke-Hancock Report, p. 249; and in Marshall-Wetzel-Tyler Report of Survey, pp. 82-83, as part of Boggs Run Section.
Starts 50' below Washington Coal.
Temperature measurements by Dr. Hallock, of Columbia University, New York; 110.3° F. at bottom; 51.3° at top; increase 1° F. for every 74.3 feet, though in lower half of the well the increase was 1° F. for every 60 feet.
Record below as published in Deep-Well records Report, p. 294.

0- 275	Unrecorded	1570-1900	Dark-gray shale
275- 283	Limestone and coal, Lower Sewickley	1900-2010	Gray sandy shale
283- 315	Limestone	2010-2110	Gray and red shales
315- 320	Shale, gray	2110-2460	Gray and blue shales and sandy beds
320- 324	Limestone	2460-2520	Dark-gray sandy beds
324- 330	Pittsburgh Coal	2520-2700	Gray sandy shells
330- 360	Gray sandy shale	2700-2875	Unrecorded
360- 368	Gray sand	2875-2955	Light-gray shale
368- 380	Greenish-gray slate	2955-2995	Light-gray sandy bed (slight show of oil)
380- 410	Red shale	2995-3075	Gray and dark shale
410- 444	Red and brown shale	3075-3200	Gray sandy shale
444- 484	Unrecorded	3200-3260	Shale, gray
484- 490	Gray sandy shale	3260-3340	Shale, dark
490- 500	Unrecorded	3340-3500	Shale, dark-gray
500- 750	Red shale	3500-3575	Shale, light-gray
750- 860	Shale, red, coal, etc.	3575-3950	Shale, gray
860- 864	Coal, Upper Freeport	3950-4000	Shale, soft, gray
864- 909	Sandstone, gray	4000-4500	Shales, dark, sandy, with an occasional shell, to bottom.
909- 992	Coarse gray sandstone		
992-1400	Fine white sandstone		
1400-1460	Coarse gray sandstone		
1460-1550	Fine white sandstone		
1550-1570	Very hard white sandstone (base of Big Injun)		

"While the date of completion of this well is not known exactly, its record was first published in Volume I of the Survey in 1899, at which time it was the deepest well in the State."

BOGGS RUN DEEP WELL. No. 977.en Map.

Union District, Marshall County, W. Va.
On Boggs Run, near Wheeling, record as interpreted by I. C. White from samples of the drillings.
Wheeling Development Co.
Elevation, 900' B.

	Thickness.	Depth.
Unrecored	275 -	275
Limestone and coal (Sewickley)	8 -	283
Limestone	32 -	315
Shale, gray	5 -	320
Limestone	4 -	324
Pittsburgh Coal	6 -	330
Grny sandy shale	30 -	360
Gray sand	8 -	368
Greenish gray shale	12 -	380
Red shale	30 -	410
Red and brown shale	34 -	444
Unrecorded	40 -	484
Gray sandy shale	6 -	490
Unrecorded	10 -	500
Red shale	250 -	750
Shale, red, coal, etc.	110 -	860
Coal, Upper Freeport	4 -	864
Sandstone, gray	45 -	909
Course, grey sandstone	83 -	992
Fine white sandstone	408 -	1400
Course gray sandstone	60 -	1460
Fine, white sandstone	90 -	1550
Very hard white sandstone (base of Big Injun)	20 -	1570
Dark gray shale	330-	1900
Gray sandy shale	110 -	2010
Gray and red shales	100 -	2110
Gray and blue shales and sandy beds	350 -	2460
Dark gray sandy beds	60 -	2520
Gray sandy shells	180 -	2700
Unrecorded	175 -	2875
Light gray shale	80 -	2955
Light gray sandy bed (slight show of oil)	40 -	2995
Gray and dark shale	80 -	3075
Gray sandy shale	125 -	3200
Shale, gray	60 -	3260
Shale, dark	80 -	3340
Shale, dark gray	160 -	3500
Shale, light gray	75 -	3575
Shale, gray	375 -	3950
Shale, soft, gray	50 -	4000
Shales, dark, sandy, with an occasional shell, to bottom	500 -	4500

(Bottom temperature, 110.3° F., while the top was 51.3° F., thus giving a mean of 74.3' in depth for each 1° F. in temp., though in the lower half the rate had increased to 1° F. for every 60 feet in depth.)