



ABD
12/39
W - 3.08
S - 4.93

Location

Company	R. J. Braden Co.	STATE OF WEST VIRGINIA
Address	Marietta, Ohio	Department of Mines
Farm	J. Bennett Porter	OIL & GAS DIVISION
Tract	1	Charleston
Acres	292 plus	File No. <u>HAN-22</u>
Well (Farm) No.	1	WELL LOCATION MAP
Quadrangle	Wellsville	x Denotes location of well on U. S. Topo- graphic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.
County	Hancock	- Denotes one inch spaces on border line of original tracing.
District	Grant	
Engineer	W. H. Ramp	
Eng. Reg. No.	386	
Drawing No.	1	
Date	Sept. 27, 1939	
Scale	1" = 800'	

Grant District, Hancock County, W. Va.

By R. J. Braden Co., Marietta, Ohio.

Located 4.9 mi. S. of 40° 40' and 3.0 mi. W. of 80° 35' - C - Wellsville Quadrangle;
1 mi. S. E. of central part of Wellsville.

Elevation, 1122' L.

Permit, Han-22; drilled in 1939.

Samples from 110 to 1133' examined by J. H. C. Martens. The samples apparently start near the top of the Allegheny.

Top. Bottom. Thickness.

ALLEGHENY AND POTTSVILLE, 655 FEET

110 -	120	10	Limestone, gray, clayey, 50%; gray silty shale, 50% (Upper Freeport Limestone?)
120 -	130	10	Siltstone, gray, with very abundant siderite spherulites
130 -	140	10	Sandstone, light-gray, fine
140 -	150	10	Sandstone, dark-gray, very fine, shaly; contains considerable mica and carbonaceous matter
150 -	170	20	Siltstone, dark-gray, shaly
170 -	190	20	Shale, dark-gray
190 -	200	10	Clay, gray, 60%; green silty shale with many siderite spherulites, 20%; the rest limestone and red and black shale
200 -	210	10	Shale, green, silty, with siderite spherulites
210 -	220	10	Shale, red, 50%; gray and green shale, 50%
220 -	230	10	Shale, red, 60%; gray and green shale, 40%
230 -	240	10	Limestone, light-brown to gray, very fine textured, pyritic
240 -	250	10	Shale, light-gray, soft
250 -	260	10	Shale, dark-gray, soft, 80%; light-gray siltstone, 20%
260 -	270	10	Siltstone, dark-gray, shaly, micaceous
270 -	290	20	Sandstone, light-gray, fine; contains some mica, chlorite, and kaolin
290 -	300	10	Sandstone, nearly white, medium-grained
300 -	310	10	Siltstone, gray, shaly, with abundant siderite spherulites
310 -	320	10	Shale, dark- and light-gray, with a little coal
320 -	330	10	Shale, gray, soft, highly calcareous
330 -	345	15	Siltstone, dark-gray, shaly
345 -	360	15	Shale and siltstone, gray, partly calcareous; many siderite spherulites in the siltstone
360 -	370	10	Siltstone, dark-gray
370 -	380	10	Sandstone, gray, fine
380 -	430	50	Sandstone, white, medium-grained
430 -	440	10	Sandstone, white, coarse
440 -	450	10	Sandstone, white, coarse, 50%; gray, shaly, micaceous siltstone, 50%
450 -	470	20	Siltstone, dark-gray, shaly, micaceous
470 -	500	30	Siltstone, greenish-gray, shaly, calcareous; contains much siderite, partly in spherulites
500 -	550	50	Shale and siltstone, dark-gray, micaceous; some ferruginous limestone from 530 to 540'
550 -	590	40	Siltstone, gray, with much siderite
590 -	600	10	Shale, gray, silty
600 -	640	40	Shale, dark-gray
640 -	650	10	Sandstone, gray, very fine
650 -	660	10	Shale and siltstone, dark-gray to black
660 -	670	10	Shale, light-gray, with siderite spherulites
670 -	680	10	Siltstone, dark-gray, shaly

(OVER)

J. BENNETT PORTER NO. 1 WELL (Continued).

Top.	Bottom.	Thickness.	
680	- 690	10	Siltstone, dark-gray, shaly, 60%; light-gray fine sandstone, 40%
690	- 700	10	Shale, black, 70%; gray siltstone and fine sandstone, 30%
700	- 710	10	Shale, black and gray, with small amount of coal
710	- 730	20	Shale, dark-gray to black, silty, 70%; light-gray to brownish silty shale, 30%
730	- 740	10	Siltstone, black; small amount of white, fine sandstone
740	- 750	10	Siltstone and shale; about half light-gray and half dark-gray to black; siderite spherulites in light part, small amount of coal
750	- 765	15	Sandstone, white, very coarse, 50%; gray shale and siltstone, 50%
POCONO FORMATION, 349 FEET -			
765	- 825	60	Shale and siltstone, gray; some fine white sandstone, 790 to 795'
825	- 845	20	Shale, gray, silty
845	- 855	10	Sandstone, gray, very fine, calcareous
855	- 865	10	Sandstone, gray, very fine, shaly, 70%; gray shale and siltstone, 30%
865	- 870	5	Shale, dark-gray
870	- 885	15	Sandstone, gray, very fine, shaly, 70%; gray shale and siltstone, 30%
885	- 895	10	Shale and siltstone, gray, micaceous
895	- 935	40	Siltstone and very fine sandstone, gray; mostly shaly in structure, but little of it is fine enough for true shale
935	- 950	15	Shale and siltstone, gray
950	- 970	20	Sandstone, gray, very fine, shaly; much of it could just as well be called siltstone
970	- 1040	70	Siltstone, gray, with up to 30% of darker gray shale; some fragments probably coarse enough to be sandstone rather than siltstone
1040	- 1067	27	Shale, dark-gray (Sunbury Shale)
1067	- 1077	10	Sandstone, very light-gray, fine, slightly calcareous (Berea Sandstone, 1067 to 1114')
1077	- 1090	13	Sandstone, light-gray, very fine, slightly calcareous; some darker shaly, micaceous material
1090	- 1114	24	Sandstone, light-gray, fine to very fine, slightly calcareous
DEVONIAN OR MISSISSIPPIAN SHALE, 19+ FEET			
1114	- 1133	19	Shale and siltstone, gray
	1133		Total depth shown by samples