Wheeling Steel Corporation No. 108 Well

0R0-23

Cross Creek District, Brooks County, W. Vu. By Wheeling Steel Corporation, Wheeling, W. Va. Located 0.53 mi. W. of 80*35' and 5.27 mi. S. of 40*25' -C- Steubenville Quadrangle,

0.3 mi. H. of Wheeling Steel Corp. No. 102 Well. Elevation, 747.0', L.

Permit, Bro-28.

Brilling commensed May 27, 1940; completed Oct. 25, 1940.

Small amount of oil in Berea; well will be used for pressure purposes.

13" oasing, 83'; 82", 341'; 6-5/8", 986'.

Coal was encountered at 200, 225, 298, and 356'.

Mearly complete set of samples examined by J. H. C. Martens.

The top of the Allegheny Formation is probably located less accurately than in the

No. 102 well of the Wheeling Steel Corporation.

Top Bottom Thickness

			Pleistosene Alluvium, 75 fest
0	75	75	Sands and gravel
			Conemaugh Formation, 132+ feet
75	80	5	Siltstone, gray, slightly calcareous
80	100	20	Sandstone, light-gray, fine, slightly calcareous, 80%;
			gray soft clay, 20%
100	110	10	Sendstone, brown, fine, siderite, 60%; gray soft clay, 40%
110	120	10	Sandstone, gray and brown, fine, sideritic
120	140	20	Shale, dark-gray, partly calcareous; a few fossil shell fragments
140	207	67	Shale and siltstone, grayish-green, misaceous; contains many
			siderite spherulite, 140-186'
			Allegheavy Formation, 163 feet
207	217	10	Sandstone, nearly white, fine, calcareous; contains muscovite,
			chlorite and siderite
217	220	3	Coal (depth in driller's record is 225-228*)
220	242	22	Siltstone, dark-gray, fine, shaly, micaceous
242	265	23	Sandstone, white, medium-grained, with crystal faces on many
			of quarts grains
265	275	10	Siltstone, light-gray, with many siderite spherulites

Тор	Bottom	Thickness	
275	29 8	23	Shale, gray, silty, micaceous; a little coal, 275-284'
298	301	3	Coal (Middle Kittanning)
301	310	9	Linestone, light-gray, with some brown, very fine textured
310	315	5	Sandstone, light-gray, vory fine; contains siderite concretions
			and spherulites
315	341	26	Shele, dark-gray to black; contains a few siderite concretions
341	347	6	Siltstone, gray, shaly, micaceous
347	350	8	Sandstone, white, fine, 50%; gray shaly siltstone, 50% (gas at
			349')
350	356	6	Shale, gray, silty
356	360	4	Coal (gas at 356'; Clarion Coal)
360	370	10	Shale, light-gray, soft, with a few addrite spherulites
		F	ottaville Formation, 310 feet
370	400		Sandstone, white, medium-grained
400	417	17	Sandstone, light-gray and brown, fine, calcareous, sideritic
417	424	7	Sandstone, white, medium-grained, with crystal faces on many
			of quartz grains
424	435	11	Sandstone, light-gray, fine; contains siderite, muscovite,
			and chlorite
435	450	15	Sandstone, white, medium-grained
450	458	8	Shale, gray, silty; contains siderite concretions
458	468	10	Shale, nearly, white, filty, with yellow siderite spherulites,
			70%; dark-gray shale, 30%
468	481	15	Siltstone and shale, gray; a little coal, 468-475'
481	486	5	Clay, light-gray, soft
486	490	4	Shale, light-gray, soft
490	508	18	Siltstone, gray, shaly, micaceous
508	540	32	Shale, gray, mostly very silty
540	549	9	Siltstone, gray, shaly
549	5 5 5	6	Sandstone, light-gray, very fine
555	570	15	Sandstone, white, medium-grained, with much rust stain;
			crystal faces of many quartz grains (gas at 570')
570	657	87	Sandstone, white, medium-grained, nearly all quarts, with
			crystal faces on many grains

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To	p Bottom	Thickness	
65	7 680	23	Sandstone, light-gray, fine, with a few thin dark carbonaceous
			streaks
		0	reenbrier Limestone, 90 feet
68	0 685	б	Shale, gray and green, soft, 70%; brown, very fine textured,
			highly dolomitic limestone, 30%
68	5 6 90	5	Limestone, nearly white, 80%; soft gray and green shale, 20%
69	0 702	12	Limestone, nearly white to light-brown
70	2 710	8	Limestone, brown
71	0 716	6	Limestone, brown, partly sandy
71	5 768	5 2	Sandstone, nearly white, medium- to fine-grained, highly
			calcareous; contains many rounded and frosted grains;
			dolomitic, 752-768'
76	3 770	2	No sample
			Pocono Formation, 568 feet
77	780	10	Sandstone, light-gray, fine, micaceous, noncalcareous
78	946	166	Sandstone, nearly white, fine- to medium-grained; contains
			a high proportion of quarts; crystal faces on some grains;
			mostly broken up small
94	3 9 76	30	Sandstone, light-gray, fine
97(5 1015	39	Shale and siltstone, gray; samples mostly contaminated by
			large amount of rusty iron
101	5 1051	36	Siltstone, gray, 70 to 90%; gray, silty micaceous shale, 50
			to 10%
105)	1252	201	Shale and siltstone, gray; the shale and siltstone are
			present in approximately equal amounts and there is no
			sharp distinction between them
125	1297	45	Siltatone, gray; much of this could about as well be called
			very fine sandstone
1297	1328	31	Shale, dark-gray; except for the interval 1519-1326', which
			is nearly all shale, there is 30% or more of lighter gray
			micaceous siltatone (Sunbury Shale)
1329	153 8	10	Sandstone, white, fine, calcareous; darker pyritic streak
			at top (traces of cil, 1331-1338*)
	1338		Total depth

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