Wilson Coal Land Company No. 25 (570) Well

6)Ry-193

Union District, Mayne County, W. Va.

By The Owens, Libbey-Owens Gas Dept., Charleston, W. Va.

Located 1.5 mi. 5. of 38°00' and 1.12 mi. W. of 82°20' -NC- Maugatuck Quadrangle. Elevation, 751.0' L.

Permit, Way-195.

Drilling commonoed May 15, 1940; completed July 2, 1940.

Volume 582,000 cu. ft.; rock pressure 515 lbs.

Fresh water at 40 and salt water at 901'.

Coal at 301-304'.

8¹/₄ casing, 307'; 6-5/8", 1311'; 5" tubing, 2786¹/₂.

Section based on samples from 392 to 2782' examined by J. H. C. Martens.

Depths on several samples are doubtful and some samples are missing. The top of the Mauch Chunk is not very accurately located.

Top	Bottom	Thickness	
			Permsylvanian, 1044+ feet
0	392	382	Not sampled
3 92	430	38	Sandstone, gray, fine to very fine, shaly and micaceous;
			contains dark carbonaceous streaks
430	45 2	22	Siltstone, light-gray to brownish, shaly and micaceous
452	458	6	Siltstone, greenish-gray, shaly, micaceous
452	490	38	Sandstone, nearly white, medium-grained; considerable
			amount of siderite at top; small amounts of muscovite,
			chlorite and carbonaceous matter
490	523	33	Siltatone, gray, shaly, micaceous (exact depth of sample
			doubtful)
5 23	567	44	Sandstone, nearly white, medium-grained; contains a little
			mica and some siderite spherulites
567	594	27	Shale, black
5 94	6 18	24	Siltstone, dark-gray to black, shaly
618	626	8	Sandstone, light-gray, fine
626	635	9	Siltstone, gray, shaly
631	644	9	Shale, dark-gray
RAA	850	0	Rem Jude un

644 650 6 Sandstone, gray, fine, shaly

Top	Bottom	Thickness	
650	666	16	Sandstone, light-gray to white, fine, 50% black shale, 50%
666	706	50	Shale, dark-gray to black
706	720	14	Sandstone, nearly white, medium-grained; contains small amounts
			of mica, chlorite, kaolin, siderite and carbonaceous matter
720	730	10	No sample
730	740	10	Sandstons, like that from 706 to 720'
740	750	10	No sample
750	781	31	Shale and siltstone, dark-gray
781	807	26	Sandstone, white, fine; some dark shaly streaks
807	840	\$8	Sandstone, light- to dark- gray, very fine, shaly; some
			siltstone is included; depths uncertain on three out
			of four samples)
840	847	7	Sandstone, white, coarse, nearly all quarts
847	867	10	Siltstone, gray
845	850	5	Sandstone, white, fine, 50%; gray siltstone and shale, 50%
850	885	35	No sample

885	901	16	Sandstone, white, medium grained, nearly all quarts;
			orystal faces on many grains
901	924	23	No sample (reported as sand)
924	968	44	Sandstone, white, medium- to coarse-grained, nearly all
			quarts; crystal faces on many grains
968	976	8	No sample (reported as sand)
976	998	22	Sendstone, gray, very fine, shaly; also some dark-gray
			siltstone
998	1008	10	Siltatone, dark- gray, 70%; white, fine sandstone
1008	1053	25	Sandstone, white, medium-grained, nearly all quarts
1035	1044	11	No sample
		ĩ	auch Chunk Group, 206feet
1044	1050	6	Shale, dark-gray

Top	Bottom	Thickness	
1050	1058	8	Shale, dark-gray, 70%; nearly white silty shale with
			siderite spherulites, 30%
1058	1064	6	Shale, dark-gray; with siderite concretions
1064	1070	6	Shale, light-gray, silty, 90%; red clay or mudstone, 10%;
			many siderite spherulites
1070	1078	8	No sample
1078	1085	7	Shale, light-gray, silty, 90%; red clay or mudstone, 10%;
			many siderite spherulites
1085	1096	11	Sandstone, white, medium- to coarse-grained, 60%; gray
			and green shale, 40%
1096	1099	3	Shale, gray and green, soft, 60%; fine white sandstone, 40%
1099	1103	4	No sample
1103	1118	10	Sandstone, white, fine, 70%; soft gray and green shale, 30%
1115	1118	δ	No sample
1118	1126	8	Sandstone, white, medium-grained, 50%; soft green shale, 50%
1126	1144	18	Limestone, very light-brown to gray, 70%; soft green and
			gray shale, 30%
1144	1149	δ	Shale, gray, green and red, so t; a little sandstone and
			limestons
1149	1151	2	Sandstone, white, fine, 60%; shale of various colors, 40%
1151	1159	8	Shale, gray and green
1159	1162	3	Limestone, brown
1162	1176	14	No sample
1176	1181	δ	Shale, red, 30%; gray and green shale, 40%; light-brown
			and gray fine-textured limestone, 30%
1181	1196	5	No sample
1186	1202	16	Shale, gray and green, soft
1202	1216	14	Sandstone, white to light-green, very fine, 50%; gray and
			green shale, 50%
1216	1221	5	Sandstone, white, very fine, 60%; gray and green shale, 40%
12 21	1250	29	Limestone, brown with white spots, fossiliferous; large
			amounts of gray and green shale, probably mostly cavings

	Top	Bottom	Thickness	Greenbrier Limostone, 231 feet
	1250	1275	25	Limestone, very light brown to white, mostly very fine
				textured; some gray and green shale throughout and about
				40% in sample from 1269 to 1271*
	1275	1310	35	Ko sample
	1310	1330	20	Linestone, very light brown to white
	1330	1366	36	Linestone, light-brown
	1366	1385	19	Limestone, very light brown; sontains some colites and a
				little sand
	1385	1419	34	Limestone, white, colitic; crystalline calcite in spaces
				between colites
	1419	1434	15	Limestone, white; partly dolomitic; a few colites
·	1434	1456	22	Limestone, very light brown, very fine textured
	1456	1460	4	Limestone, very light brown, colitie
	1460	1471	11	Limestone, gray and light-brown, dolomitic, sandy
	1471	1481	10	Dolomite, gray, sandy; contains about 20% of white anhydrite
•			1	Macerady Formation, 18 feet
	1481	1499	18	Siltstone, red, sandy
			-	Pocono Formation, 627 feet
	1499	1522	23	Sandstone, light-green to gray, very fine; much pyrite,
				1516 to 1522'
	1522	1555	13	Sandstone, gray, very fine, shaly, pyritic
	1535	1598	63	Siltstone, gray, shaly; includes large amounts of very
				fine shaly sandstone in some samples
	1598	1888	290	Shale, gray, silty, micaceous; upper part of interval
				contains much siltstone and some very fine sandstone
	1888	1901	13	Siltstone, gray; contains a few fossil shell fragments
	1901	1912	11	Shale, gray, silty; a few fossil shell fragments; the
				interval 1888 to 1912' is a little lighter gray than
				most of that from 1596 to 1888'
	1912	1917	5	Sandstone, light-gray to white, fine, 70%; gray shale, 30%
				a few sandstone fragments have the grains mostly surrounded
	.			by pyrite
	1917	2010	93	Shale, gray; distinct crystals of pyrite, 1917-1928*

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To	p B	ottom	Thickness	
20)	10	205 2	42	Shale, very dark gray to black (Sumbury Shale)
20	52	2083	31	Sandstone, light-gray, very fine; about 50% of gray shale,
				2079-2085' (Beren Sandstone, 2052-2126')
20	83	2 12 6	43	Sandstone, light grayish yellow, very fine, slightly dolemitie
				Devonian Shales, 760 + feet
21:	26	2213	87	Shale, black; some silty and sandy streaks
22.	13	2272	59	Shale, gray
22'	72	2459	187	Shale, gray, interstratified with gray to grayish-green
				siltstone
241	5 9	25 26	67	Shale, gray; some very dark gray shale with brown spores
				of various appearance
251	26	2538	12	Shale, brownish-black, with spores
251	38	2647	109	Shale, medium- to dark-gray; most samples contain fragments
				of various shades of gray; some brown spores of resincus
м				appearance present throughout; they are mostly in the
				very dark fragments
264	47	2725	78	Shale, gray; more uniform than, and not quite so dark as
				the interval above (gas at 2687 and 2894')
271	25	2782	57	Shale, dark-gray to brownish, containing spores; also
				some lighter gray to slightly greenish shale (gas at 2736')
		2786 <u>1</u>		Total depth

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