

Albert Deane et al. No. 1 (968) Well

Poco District, Kanawha County, W. Va.

By Godfrey L. Cabot, Inc., Charleston, W. Va.

Located 0.5 mi. N. of 81°40' and 5.8 mi. S. of 38°35' -SW- Kenna Quadrangle.

Elevation about 950' by topographic map.

Permit, Kan-766.

Drilling commenced Nov. 23, 1940; completed January 5, 1941.

Volume 6,886,000 cu. ft. after acidising with 3000 gals.

Rock pressure, 625 lbs. in 45 hrs.

13-3/8" casing, 735'; 10 3/8", 1744', 5 1/2" tubing, 1820'.

Samples from 74 to 1789' examined by C. Apsouri. The presence of a twenty foot section of the Mauch Chunk in this well is regarded as probable, but not absolutely certain; the structure contour map shows an elevation of 775' for the Pittsburgh Coal horizon.

Top Bottom Thickness

Pennsylvanian, 1706 feet

Top	Bottom	Thickness	
0	28	28	Red Reek
28	41	13	Sand
41	65	24	Blue slate
65	74	9	Sand
74	80	6	Sandstone, yellow, fine, 60%; yellow, sandy, calcareous siltstone, 40%
80	85	5	Sandstone, white, fine, calcareous
85	90	5	Clay, gray
90	164	74	Siltstone, greenish-yellow and gray
164	180	16	Shale, red
180	192	12	Siltstone, gray
192	269	77	Clay and soft shale, red; 10% green siltstone, 239-250'
269	284	15	Siltstone, greenish-gray, sandy
284	307	23	Sandstone, white, fine
307	312	5	Siltstone, light-gray, sandy
312	329	17	Sandstone, white, fine, moderately calcareous
329	341	12	Clay, light-red, brown and green, soft
341	353	12	Clay, red
353	364	11	Siltstone, gray
364	374	10	Shale, green, soft

Top	Bottom	Thickness	
374	408	34	Sandstone, white, very fine, partly calcareous; some portions could be called siltstone
408	426	18	Siltstone, gray, shaly
426	441	15	Sandstone, white, very fine
441	456	15	Sandstone, white, fine- to medium-grained, calcareous
456	468	12	Shale, nearly white
468	479	11	Clay, greenish (all of interval from 430 to 564' is reported as sand)
479	500	21	Clay, light-red to very light-gray, soft
500	506	6	Sandstone, white, medium-grained, 60%; gray shale, 40%
506	548	42	Sandstone, white, medium-grained, calcareous; some sandy limestone, 532-548'
548	553	5	Sandstone, white, fine, slightly calcareous
553	559	6	Clay, very light gray, soft; small amount of black shale
559	565	6	Shale, red
565	575	10	No sample
575	587	12	Shale, green; also small amounts of green sandstone and siltstone; all of these contain siderite spherulites
587	598	11	Siltstone, green
598	639	41	Sandstone, white, fine to medium-grained
639	647	8	Siltstone, light-gray, sandy
647	648	1	Sandstone, white, very fine, highly calcareous
648	654	6	Shale, very light gray, with siderite spherulites, 25%; gray siltstone, 25%
654	675	21	Sandstone, white, fine
675	681	6	Shale, greenish and brown
681	685	4	No sample
685	695	10	Siltstone, green, very sandy
695	707	12	Shale, green
707	723	16	Shale, gray and light-brown
723	736	13	Siltstone, gray to greenish
736	752	16	Shale, greenish-gray to brown
752	781	29	Shale, greenish-gray to light-gray, with siderite spherulites
781	799	18	Sandstone, white very fine

Top	Bottom	Thickness	
799	806	7	Siltstone, gray
806	814	8	Shale, gray
814	820	6	Shale, black to brown, 60%; light-gray shale, 30%; gray, very sandy siltstone, 10%
820	898	78	Sandstone, white, fine (coal reported 890-894')
898	905	7	No sample
905	916	11	Shale, dark-gray to black
916	930	14	Sandstone, white, fine, calcareous
930	935	5	Shale, gray
935	942	7	Shale, gray, 50%; brown and black shale, 50%
942	966	24	Shale, gray; siderite spherulites, 942-948' and 954-966'
966	1056	90	Siltstone and shale, gray to dark-gray and brownish
1056	1100	44	Shale, gray, silty
1100	1114	14	Siltstone, very dark gray
1114	1157	43	Siltstone, gray to light-gray; near bottom grades into very fine sandstone with siderite spherulites
1157	1232	75	Sandstone, white, fine, slightly calcareous (oil show, 1172')
1232	1252	20	Siltstone, gray to light-gray
1252	1258	6	Sandstone, white, very fine
1258	1265	7	Siltstone, gray; also sandstone
1265	1418	153	Sandstone, white, fine-to medium-grained
1418	1436	18	Siltstone, gray
1436	1455	19	Sandstone, white, fine
1455	1461	6	Sandstone, white, medium-grained
1461	1577	116	Sandstone, white, fine to very fine
1577	1588	11	Sandstone, white, medium-grained
1588	1594	6	Siltstone, gray
1594	1608	14	Sandstone, white, fine; a little black shale, 1594-1602'
1608	1695	87	Sandstone, white, medium- to coarse-grained
1695	1699	4	Sandstone, white, medium-grained, 70%; gray siltstone, 30%
1699	1708	7	Siltstone, gray; also some sand as above
<u>Maush Chunk, 20 feet</u>			
1708	1710	4	Shale, gray and brown
1710	1726	16	Limestone, dark-brown, 60%; gray shale, 40%

Top Bottom Thickness

Greenbrier Limestone, 88+ feet

1728	1730	4	Limestone, very light brown
1730	1733	3	Limestone, very light brown, somewhat sandy
1733	1775	42	Limestone, very light brown; somewhat oolitic, 1733-1748'
1775	1789	14	Limestone, almost white, oolitic (gas, 1779 to 1788')
1789	1815	26	No samples
	1815		Total depth, 88M