

H. A. Cline No. 1 (1141) Well

Williams District, Wood County, W. Va.

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

Located 5.8 Mi. S. of 39° 25' and 3.36 Mi. W. of 81° 25'-W C-Marietta  
Quadrangle.

Elevation, 673.31, L.

Permit, + Woo - 169

Drilling commenced March 15, 1944; completed June 25, 1944.

13" casing 49', 10", 400'; 8", 980'; 7", 1602; 5", 4600'; not tubed.

Dry hole through Oriskany.

Section based on samples from 1265 to 4855', examined by J. H. C. Martens,  
omitting most of Devonian Shales.

Top	Bottom	Thickness	
<u>Pottsville Formation, 223 feet</u>			
1265	1270	5	Shale, gray, silty.
1270	1280	10	Shale, gray to light gray, silty, 80%; very fine light-gray sandstone, 20%
1280	1290	10	Shale, light gray, silty, 80%; very fine sandstone 20%
1290	1295	5	Shale, gray
1295	1340	45	Shale and siltstone, gray to dark gray
1340	1375	35	Siltstone, light gray, sandy, micaceous
1375	1395	20	Sandstone, white, medium-grained (hole full of water)
1395	1400	5	Shale, black, silty
1400	1405	5	Sandstone, white, very fine, with specks of siderite
1405	1425	20	Siltstone, dark gray, shaly
1425	1448	23	Shale, dark gray, with carbonaceous streaks
1448	1472	24	Siltstone, gray, sandy
1472	1482	10	No Sample
1482	1488	6	Sandstone, white and medium grained; a very few coarse quartz grains and a few pieces of siderite
<u>Peconic Formation, 489 feet</u>			
1488	1544	56	Sandstone, white, fine to medium - grained. (Big Injun Sand, 1488 - 1590')
1544	1581	37	Sandstone, white, coarse

Top	Bottom	Thickness	
1581	1590	9	Sandstone, white, medium-grained
1590	1595	5	Shale, gray, mostly silty
1595	1600	5	Shale and siltstone, gray
1600	1605	5	Siltstone, gray, 40%; gray shale 30%; brown siderite 30%
1605	1614	9	Siltstone, gray, very sandy
1614	1622	8	Shale, gray, silty
1622	1630	8	Siltstone, light brown, coarse with many fragmentary plant fossils, 50%; gray shale, 50%
1630	1637	7	Siltstone, light brown, coarse, calcareous with a few fossil shells, 70%; gray shale, 30%
1637	1665	28	Shale, gray, silty
1665	1720	55	Siltstone and shale, gray
1720	1735	15	Siltstone, light-gray
1735	1787	52	Shale and siltstone, gray
1787	1813	26	Shale and shaly siltstone, gray to grayish-green
1813	1820	7	Siltstone, grayish-green
1820	1859	39	Shale and siltstone, gray
1859	1874	15	Shale, gray, partly silty
1874	1944	70	Shale and shaly siltstone, gray
1944	1955	11	Shale, gray, partly silty
1955	1977	22	Shale, very dark brownish-gray (Sunbury Shale)

Devonian Shales, 2584 feet

1977	2037	60	Shale and fine siltstone, gray to slightly greenish
2037	4520	2483	Samples not examined
4520	4561	41	Shale, black

Huntersville Chert, 160 feet

4561	4721	160	Chert and Cherty limestone, mostly light brown and light-gray; some darker brown near top
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Oriskany Sandstone, 40 feet

4721	4724	3	Sandstone, white, medium-grained, calcareous (Gas at 4723-4724', 21 M cu. ft.; oil 50 gals. per day after shot)
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Top	Bottom	Thickness	
4724	4743	19	Sandstone, nearly white with much rust stain, fine to very fine, calcareous
4743	4761	18	Sandstone, light gray, fine to very fine, cal- careous
<u>Helderberg Limestone, 94 plus feet.</u>			
4761	4772	11	Limestone, light-brown, sandy, fossiliferous
4772	4792	20	Limestone, light-brown, cherty
4792	4806	14	Limestone, brown, very cherty
4806	4811	5	Limestone, brownish-gray, shaly
4811	4854	43	Limestone, brown, cherty
	4855		Total Depth