



5.69 S
~~5.72 S~~
 5.80 S
~~3.38 W~~
 3.32 W
 4 SW (F-6)

New Location... X
 Drill Deeper.....
 Abandonment.....

Company Godfrey L. Cabot Inc.
 Address 900 Union Bldg Charleston W.Va.
 Farm H.A. Cline et al
 Tract _____ Acres 161 Unit 1 Lease No. Wv. 91
 Well (Farm) No. 1 Serial No. 1191
 Elevation (Spirit Level) 673.31
 Quadrangle Marietta - WC 1/2 15
 County Wood District Williams
 Engineer Roy Burton
 Engineer's Registration No. _____
 File No. _____ Drawing No. _____
 Date 3-1-44 Scale 1" = 1320'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. Woo-169

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.
 - Denotes one inch spaces on border line of original tracing.

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' - WC - Marietta Quadrangle.

Elevation, 673.31' L.

Permit No. 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 Ordovician.

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

Record to ROT from Martens April 17, 1945.

Top.	Bottom.	Thickness.	DESCRIPTION
PORTSVILLE FORMATION, 223 FEET.			
1265	- 1270	5	Shale, gray, silty
1270	- 1280	10	Shale, gray to light-gray, silty, 30%; very fine light-gray sandstone, 20%
1280	- 1290	10	Shale, light-gray, silty, 30%; 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 black carbonaceous streaks
1448	- 1472	24	Siltstone, gray, sandy
1472	- 1482	10	No sample
1482	- 1488	6	Sandstone, white, medium-grained+ a few very coarse quartz grains and a few pieces of siderite
POCONO FORMATION, 489 FEET			
1488	- 1544	56	Sandstone, white, fine- to medium-grained (Big Injun Sand, 1488-1590')
1544	- 1581	39	Sandstone, white, coarse
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

(OVER)

M. A. GLINE NO. 1 (1141) WELL (Continued).

Top. Bottom. Thickness.

Top.	Bottom.	Thickness.	
HUNTSVILLE CHERT, 160 FEET			
4561	- 4721	160	Chert and cherty limestone, mostly light-brown and light-gray; some darker brown near top
CRISKANY 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)
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, calcareous
HELENBERG LIMESTONE, 9 1/4 FEET			
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

WEST VIRGINIA DEPARTMENT OF MINES
OIL & GAS DIVISION
W E L L R E C O R D

Permit No. Woo 169

Dry Hole
CASING & TUBING

Marietta Quad.

Company Godfrey L. Cabot, Inc.
Address Charleston, W.Va.
Farm H.A. Cline et al Acres --
Location
Well No. 1-Ser. 1141 Elev. 673
District Williams Wood County

13 49'
10 400'
8 980'
7 1602'
5 4600'

Surface

Not tubed

Mineral

Commenced

March 15, 1944

Completed

June 25, 1944

Date shot

6-27-44 Depth 4719 to 4729 30 qts.

Volume

26 MCF 9 days A.S.

Open flow

6/10ths W in 1" "

Producing Sand Record
Oriskany 4723-
32 MCF

Rock Pressure

B.S. 11 MCF; 20 Mins. A.S. 33 MCF
1100 lbs. 5 days Oriskany

Water

1380' 3 blrs. fresh water; 1545 H.F

Soil	0	12	Lime Shells	2165	2240	
Red Rock	12	38	Black Slate	2240	2280	
Gritty Lime	38	48	Blue Slate	2280	2300	
Red Rock, Slate	48	100	Lime Shells, Slate Wh	2300	2405	
Lime	105	115	Blue Shale	2405	2425	
Sand	115	125	Slate & Shells	2425	2600	
Red Rock, Lime Shells	125	230	Gray Sandy Shale	2600	2865	
Sand	230	240	Lime Shells	2865	2880	
Red Rock	240	250	White Slate, Lime Sh.	2880	2930	
White Sandy Slate	250	265	Lime Shells, Slate	2930	3540	
Slate, Gray, R.Rock Lime Shells	265	355	Brown Shale	3540	3650	
Lime	355	365	Lime Shells	3650	3724	
Red Rock	365	395	Gray Lime	3724	3750	
Slate, Lime	395	525	Lime Shells	3750	3764	
Sand	525	550	Brown Shale	3764	3800	
Lime, Red Rock	550	645	Black Lime	3800	3812	
Slate	645	650	Brown Shale	3812	3875	
Red Rock, Blue Slate, Lime Shells,	650	765	White Slate	3875	3947	
Blue Slate	765	770	Lime	Gray	3947	3960
Brown Shale	770	790	Shale	Wh	3960	4010
Slate	790	823	Shale	Br	4010	4020
Black Lime	823	836	Shale	Wh	4020	4250
Slate, Gray	836	855	Shale	Br	4250	4262
Pink Rock	855	860	Lime Shells		4262	4285
Lime Shells	860	900	Brown Shale		4285	4495
Sand	900	936	Black Shale		4495	4557
Slate	936	939	Black Shale		4557	4561
Sand	939	965	Corniferous Lime		4561	4721
Slate	965	1025	Oriskany Sand		4721	4761
Slate & Shells	1025	1080	Lime - Helleberg		4761	4855
Sand	1080	1120	TOTAL DEPTH			4855 SLM
Slate	1120	1160	SLM 1110 to 1120			445
Sandy Lime	1160	1173	Oil 1511 Show of oil. Water;			
Slate	1173	1205	Gas 1575-1581 Show			
Sand	1205	1225	SLM 3757			
Slate & Shells, Lime Shells	1225	1270	Gas 3757 Show, would not test			
Sand & Slate	1270	1290	Gas 3835-3845 Show, would not test			
Slate	1290	1375	but enough to smell			
Salt Sand	1375	1410	Oil 4250 Show			
Slate	1410	1472	Gas 4723-4724 21 MCF			
Jun Sand	1472	1590	Oil 4723 6 1/2 Gals. Oil per hr.			
Slate & Shells, Gray	1590	1601	After shot oil tested 50 gals. per day			
Lime, Dark	1601	1613	Bottom hole temperature at 4855 116			
Slate & Shells, Gray	1613	1720	degrees F.			
Gritty Lime	1720	1735				
Slate & Shells Gray	1735	1833				
Black Slate, Bk. Lime,	1833	1955				
Brown Shale - Coffee Sh.???	1955	1977				
Black Lime - Blue limestone?	1977	1980				
Slate, Sandy Gray	1980	2035				
Slate, Lime Gr & Wh	2035	2090				
Gray Slate & Shells	2090	2125				
Lime Blue	2125	2145				
Slate Gray	2145	2165				

1460
673
767