

**STATE OF MARYLAND**  
**DEPARTMENT OF GEOLOGY, MINES AND WATER RESOURCES**  
 The Johns Hopkins University  
 BALTIMORE 18, MARYLAND

**WELL COMPLETION REPORT**

*This report must be submitted within 30 days after completion of the well*

**WELL DESCRIPTION**

**WELL LOG**

State the kind of formations penetrated, their depth, their thickness, and if water-bearing

**CASING AND SCREEN RECORD**

State the kind and size of casing, liner, shoe, screen, and other accessories (if no casing used, give diameter of well)

GW-1508, Artie E. Dodge #1  
 spudded 8-4-51- completed-  
 drilling 11-15-51

	FEET	
	from.....to.....	
Soil	0	20
Line	20	100
Slate & Shells	100	143
Lime	143	216
Slate & Shells	216	253
Lime	253	592
Slate & Shells	592	744
Broken Lime	744	793
Slate & Shells	793	844
Black Lime	844	878
Slate & Shells	878	1279
Lime	1279	1509
Slate & Shells	1509	1550
Gritty Lime	1550	1689
Slate & Shells	1689	1736
Lime	1736	1798
Slate & Shells	1798	1874
Lime	1874	1996
Slate & Shells	1996	2546
Lime	2546	2655
Slate & Shells	2655	2704
Lime	2704	2748
Slate & Shells	2748	2908
Brown Shale	2908	3071
Slate & Shells	3071	3110
Brown Shale	3110	3207
Light Lime	3207	3265
Brown Lime	3265	3297
Brown Shale	3297	3326
White Lime	3326	3336
Brown Shale	3336	3347
Dark Lime	3347	3424
Brown Shale	3424	3714
Grey Lime	3714	3726
Slate & Shells	3726	3788
Brown Shale	3788	3916
Dark Shale	3916	4011
Black Shale & Pyrite	4011	4048
brown break	4048	4051
Onondaga Lime	4051	4066 DLM
		4108 SLM
Chert	FLM 4108	4207
Black Shale	4207	4227
Sand	4227	4387

	DIAM. (Inches)	FEET
	Am't run	from.....to..... Depth
13-3/8" 40# D.P.	32'10"	32'
10-3/4" 40#	153'10"	136'
8-5/8" 24# casing w/ Midget bottom hole packer (pulled)	78'4"8"	74'4" SLM
7" 23# w/ shoe	414'5"	411'5" SLM
2-3/8" 4.6# tubing with 2" cage	414'5"3"	
744' DLM-744' SLM		
4066' DLM-4108' SLM		
4395' DLM-4395' SLM		
F. water 58' 15 10" blrs/hr.		
F. water 74' hole full		
Gas Pay: 4138' SLM in Chert 19/10 W. 1" 45,930 cubic feet.		
7 day pressure Tubing 1340# B.H. 1385#		
See reverse side for acidizing and shot record		

Permit Number 8218

Name of Owner  
Columbian Carbon Co

**PUMPING TEST**

Hours Pumped.....  
 Pumping Rate  
 Gallons per Minute.....

**WATER LEVEL**

Distance from land surface to  
 water:  
 Before Pumping.....Ft.  
 When Pumping.....Ft.

**APPEARANCE OF WATER**

Clear.....  
 Cloudy.....  
 Taste.....  
 Odor.....

Height of Casing Above Land  
 Surface .....Ft.

**PUMP**

Type.....  
 Capacity  
 Gallons per Minute.....  
 Gallons per Hour.....  
 Pump Column Length.....Ft.

**REMARKS**

Well Was Completed  
 Date 12-12-51  
 Well Driller.....  
Gene Campbell  
 Signature

Log continued

Slate 4387 - 4388  
Lime 4388 - 4395

Total depth 4395' DLM  
4395' SLM

Acidized 11-30-51 with 1500 gallons of acid - displaced with water. Before Acidizing gas gauged 36,500 cubic feet. After acidizing gas gauged 42,160 cubic feet. Acidized by Halliburton.

Filled back solid from 4395' SLM to 4140'. Shot the Chert 12-11-51 from 4135' - - to 4140' with 20 quarts of Glycerine. Before shot gas gauged 42,160 cubic feet. Final open flow 45,930 cubic feet. Shot by Clyde Porter of Sureshot Torpedo Co.