

**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				Permit Number <u>7399</u>	
WELL LOG		CASING AND SCREEN RECORD		Name of Owner	
State the kind of formations penetrated, their depth, their thickness, and if water-bearing		State the kind and size of casing, liner, shoe, screen, and other accessories (if no casing used, give diameter of well)		Hours Pumped.....	
GW-3505, Wa.R. Offutt #1 drilled by Columbian Carbon Company under permit 7399. Started drlg. 3-21-51 Completed drlg. 6-12-51		<b>FEET</b> from..... to.....	<b>DIAM.</b> (Inches) Used..... Pulled.....	<b>FEET</b> from..... to.....	Pumping Rate Gallons per Minute.....
Soil 0 - 5 Sand 5 - 25 Slate & Shells 25 - 125 Lias 125 - 137 Slate & Shells 137 - 2450 Slate & Shale 2450 - 2540 Brown Shale 2540 - 2848 Slate & Shells 2848 - 2900 Light shale 2900 - 2970 Brown Shale 2970 - 3110 Dark Shale 3110 - 3419 Light shale 3419 - 3858 Dark Shale 3858 - 3864 Brown Shale 3864 - 3867 Dark Shale 3867 - 3916		13-3/8" 48# D.F.  10-3/4" 40# ran at 141'DLM  8-5/8" 24# ran at 596'DLM with Midgey btr. hole packer  7" 23# ran at 3923' with 7" shoe  3 1/2" 7.7# liner  2-3/8" 4.6# tbg. with 2" cage  3916 DLM 3916 SLM	30' 5"  142' 7"  602' 2"  394' 9"  119' 6"  1076'	-  142' 7"  602' 2"  -  -  -	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.
Onondaga Lias DLM 3891 Chert 3916 - 3943 3898'DLM-3923'SLM Dark Shale 3921 - 4035 Crickony Sand 4035 - 4114 Lias 4114 - 4423 Cherty Section 4423 - 4511 4512		3916 SLM 3943 F. water 51-55' 3961 F. water 385'  4035 Gas pays: 4114 3944' 1/10" w. 2" 42MCF 4423 3951-53' 2/10" w. 2" 60MCF 4511 3961-62' 2/10" w. 2" 60MCF 4512 4055-58' 2/10" w. 2" 60MCF 4512 4078-82' 3/10" w. 2" 73MCF	7-11" btr/hr. 1-9" btr/hr.	PUMP  Type..... Capacity Gallons per Minute..... Gallons per Hour..... Pump Column Length.....Ft.	
TOTAL DEPTH 4511'DLM-4512'SLM				REMARKS Well was cleaned out after shot and tuled 6-22-51	
Well was acidized 6-14-51 with 1000 gallons 15% and 2000 gallons 10% Gelatin-displaced with 1300 gallons water. Acid went in at 300#. 7 hour pressure before acidizing 1150#. After acidizing and before shooting gas gauged 2/10 w. 2" 73MCF. Shot 6-16-51 from 3740' to 4145' after filling back well to 4145'. Shot 1st 1350# 20% Gelatin. B fore shooting gauged 73,000 cubic feet-after shooting 119,000 cubic feet.					
				Well Was Completed Date <u>6-17-51</u> Well Driller..... Signature	