

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..... 8220
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)		Columbian Carbon Co.....
	FEET		DIAM. (Inches)	
	from.....to.....		Depth	from.....to.....
GW-1506, Emily F. Moon #1 started drilling 7-9-51 completed drlg. 9-16-51 Permit 8220-Elev. 2457.33'		10-3/4" 8-5/8" 24# with Midget bottom hole packer (pulled)	63'	63'3"
Clay	0 - 20	7" 23# with shoe	679'DIM	688'9"
Slate & Shells	20 - 173	2-3/8" 4.6# tubing run with 2" cage as syphon	4029'SLM	4066'5"
Sand	173 - 199	F. water 38' hole full		4276'8"
Slate & Shells	199 - 310	F. water 82' hole full		
Sand	310 - 349	Gas Pay: 4052' 2/10 W. 1" 14,900 cubic feet		
Slate & Shells	349 - 1945			
Brown Shale	1945 - 1960			
Slate & Shells	1960 - 3090			
Dark Shale	3090 - 3340			
Brown Shale	3340 - 3367			
Dark Shale & Pyro	3367 - 3468			
Lime	3468 - 3476			
Dark Shale	3476 - 3735			
Black Shale	3735 - 3944			
Lime	3944 - 3970			
Dark Shells	3970 - 4011			
Brown Break	4011 - 4014			
Onedage Lime	4014 - 4014 DLM			
4046'DLM-4029'SLM	4014 - 4026 SLM			
Chert	4043 DLM	Shot 9-17-51 from 4047' to 4057' (Chert) with 40 quarts 10% Nitro-glycerine by Sureshot Torpedo Co-Shooter, Clyde Porter. Before shot 14,900 cubic feet-after shot 21,060 cubic feet.		
Shale	4026 SLM 4090			
Sand (Oriskany)	4090 - 4154			
Lime	4154 - 4265			
TOTAL DEPTH - - - -	4267'			
		Acidized 10-1-51 with 2000 gal. acid. 1750 gal. went in on vacuum-pressure built up to 500#. Pumped in 250 gal. acid and displaced with 900 gal. water. Pressure went to zero. Before and after acidizing 21,060 cubic feet. Tubing run as syphon 10-10-51.		
		24 hour pressure 250# before acid. 60 hour pressure after acidizing 300# on B.n. and 700# on tubing		
				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 SurfaceFt.
				PUMP
				Type.....
				Capacity
				Gallons per Minute.....
				Gallons per Hour.....
				Pump Column Length.....Ft.
				REMARKS
				Well Was Completed
				Date 10-10-51
				Well Driller
				Gene Campbell
				Signature