

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

Lucas Unit No. 1
 District No. 7
 Garrett County,
 Maryland

103

WELL COMPLETION REPORT

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

WELL DESCRIPTION			
WELL LOG	CASING AND SCREEN RECORD		
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)		
	FEET	DIAM. (inches)	FEET
Shale	from 0. to 190		
Shale w/Sltn	190 - 440	20" Line pipe	0 - 23'
Shale	440 - 630	13 3/8" Casing	0 - 102'
Shale w/Sltn	630 - 690	9 5/8" Casing	0 - 1219'
Sltn.	690 - 710		8 3/4" 1219-7197'
Shale w/Sltn.	710 - 770		
Shale	770 - 890	<u>Lithology Key</u>	
Shale w/Sltn.	890 - 930	Sh -Shale	
Shale	930 -1550	Sltn.-Siltstone	
Shale w/Sltn.	1550-1610	SS -Sandstone	
Shale	1610-2118	LS -Limestone	
Limestone & Shale	2118-2318	Dol. -Dolomite	
Tully LS	2318-2340	Ch. -Chert	
Shale	2340-2917	Anhy.-Anhydrite	
"Brown Break"-Onon LS	2917-2940		
Huntersville Chert	2940-3063		
Oriskany Sand	3063-3178		
Helderberg LS	3178-3443		
Shale	3443-3459		
Keyser LS & Chert	3459-3532		
LS	3532-3560		
Chert, LS, & Sh.	3560-3720		
Chert, Dolomite, LS	3720-3740		
Chert, LS & Sh.	3740-3810		
Anhy., Ch., LS, & Sh.	3810-3870		
Ch., Dol., Sh.	3870-3900		
Anhy., Ch., Dol., & Sh.	3900-3920		
Anhy., Ch., Dol., LS, Sh.	3920-3980		
Anhy., LS	3980-3990		
Anhy., Dol., LS.	3990-4000		
LS	4000-4010		
Dol., Sh., LS	4010-4020		
Dol., & LS	4020-4030		
Ch. & LS	4030-4040		
LS	4040-4060		
Ch., Sh., LS	4060-4070		
LS	4070-4140		
Sh. & LS	4140-4210		
LSq	4210-4250		
Sh. & LS	4250-4260		
Sltn. & LS	4260-4280		
LS	4280-4380		
Dol. & LS	4380-4390		
LS & Sh.	4390-4420		
Dol., LS & Sh.	4420-4430		
Anhy., Dol., LS, Sh.	4430-4520		

Permit Number G 37
 Name of Owner
Cumberland & Allegheny Gas Company

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
 Water @ 75-80': 113': 450 and 665'. Hole caved @ 2715'. Converted from air to mud drilling @ 2865'.
 Results - Dry Hole

Well Was Completed
 Date 12-13-62
Cumberland & Allegheny Gas Company
 Well Driller,
C. P. Hume
 Chief Geologist Signature

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2 of 3

WELL COMPLETION REPORT

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

WELL DESCRIPTION				Permit Number <u>6-37</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)		
	FEET	DIAM. (inches)	FEET	PUMPING TEST
	from.....to.....		from.....to.....	Hours Pumped.....
Dol. & Sh.	4520-4530			Pumping Rate Gallons per Minute.....
Sh. & LS	4530-4590			
Dol. & LS	4590-4610			WATER LEVEL
Dol., LS., Sh.	4610-4820			Distance from land surface to water:
LS & Sh.	4820-4850			Before Pumping.....Ft.
Dol., LS & Sh.	4850-4900			When Pumping.....Ft.
Sh. & LS	4900-4930			
Dol., Sh. & LS.	4930-4940			APPEARANCE OF WATER
Ch., LS & Sh.	4940-4950			Clear.....
LS & Sh.	4950-4980			Cloudy.....
Dol., Sh. & LS	4980-4990			Taste.....
LS & Sh.	4990-5010			Odor.....
Sh., Slt. & LS	5010-5030			Height of Casing Above Land Surface .....Ft.
Anhy., Slt., Dol., LS & Sh.	5030-5090			PUMP
Anhy. & Dol.	5090-5110			Type.....
Anhy., Dol. & Sh.	5110-5120			Capacity
Anhy., Dol., LS & Sh.	5120-5130			Gallons per Minute.....
Slt., Dol., LS & Sh.	5130-5140			Gallons per Hour.....
Slt. & Sh.	5140-5170			Pump Column Length.....Ft.
Slt., Dol. & Sh.	5170-5190			
Ch., Slt. & Sh.	5190-5200			REMARKS
Slt. & Sh.	5200-5210			.....
Dol.	5210-5220			.....
Slt. & Dol.	5220-5230			.....
Dol. & Sh.	5230-5240			.....
Slt. & Sh.	5240-5250			.....
Slt., LS & Sh.	5250-5350			.....
Anhy., Dol & Sh.	5350-5360			.....
Anhy., Dol., LS & Sh.	5360-5380			.....
Anhy., SS., Dol., & Sh.	5380-5390			.....
Anhy., SS, Slt., Dol & Sh.	5390-5400			.....
Anhy., LS & Sh.	5400-5410			.....
Dol. & Sh.	5410-5420			.....
Dol., LS, & Sh.	5420-5430			.....
Slt., Dol, LS & Sh.	5430-5450			.....
Dol., LS & Sh.	5450-5540			.....
LS & Sh.	5540-5630			.....
Sh. & Slt.	5630-5650			.....
LS & Slt.	5650-5660			.....
Sh., Slt. & LS	5660-5700			.....
Sh. & Dol.	5700-5710			Well Was Completed
Sh., Ch. & Dol.	5710-5720			Date.....
Sh. & Slt.	5720-5800			Well Driller.....
				Chief Geologist Signature

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3 of 3

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WELL LOG		CASING AND SCREEN RECORD	
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)	
	FEET from.....to.....	DIAM. (inches)	FEET from.....to.....
Sh.	5800-5810		
Sh. & Sltn.	5810-5940		
Sh., LS & Dol.	5940-5970		
SS, Sltn., LS, Dol. & Sh.	5970-5990		
Dol., LS & Sh.	5990-6040		
Sh. & Sltn.	6040-6050		
LS, Sh., Dol. & Sltn.	6050-6060		
Sh., LS & Dol.	6060-6070		
Ch., LS & Sh.	6070-6080		
Sltn., Dol., LS & Sh.	6080-6140		
Sh., LS & Sltn.	6140-6150		
Ch., Sh., & LS	6150-6160		
Sltn., Sh. & LS	6160-6170		
LS & Sh.	6170-6301		
Williamsport SS	6301-6315		
Sh., Sltn., LS & SS	6315-6380		
LS, Sltn., & Sh.	6380-6420		
Dol., LS., Sh., & Sltn.	6420-6430		
Sltn., LS & Sh.	6430-6530		
Ch., Sltn., LS & Sh.	6530-6540		
SS, Sltn., LS & Sh.	6540-6550		
Sltn., LS & Sh.	6550-6580		
LS & Sh.	6580-6600		
Sltn., LS & Sh.	6600-6630		
SS, Sltn., LS & Sh.	6630-6640		
Sltn., LS & Sh.	6640-6660		
LS & Sh.	6660-6700		
Sltn., Sh. & LS	6700-6760		
LS & Sh.	6760-6800		
Sh., LS & Sltn.	6800-6850		
LS & Sh.	6850-6940		
Sltn., LS & Sh.	6940-7060		
LS & Sh.	7060-7100		
Sltn., LS & Sh.	7100-7160		
LS & Sh.	7160-7170		
Sltn., LS & Sh.	7170-7197		
Drillers Total Depth	7197		

Permit Number.....6-37.....
Name of Owner.....
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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
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Well Was Completed
Date.....
Well Driller.....
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Chief Geologist Signature