

Cumberland & Allegheny Gas Company
Company

2 of 2
11085

Division _____
Record of well No. **492 (1)** on **Simon D. Swattsentrube Farm** **113 1/2** Acres
Oakland, Md. Field **Northeast Oakland** **Garrett** County **Maryland** State
Rig Commenced **October 7 1952**, Completed **October 14 1952**
Drilling Commenced **October 20 1952**, Completed **September 8 1953**
Contractor **Union Drilling Company** Address **Box 281, Washington, Pa.**
Driller's Name **Paul Cowell and Carl Randolph**

CASING AND TUBING RECORD

Conductor	18"	10"	8 1/4"	7"	6 5/8"	6 3/16"	4"	1"	
Used in Dril.	-	87' 3"	506' 2"	1427' 11"	3893' 8"	-	-	-	Thds. Off
Left in well									

PACKER RECORD

SHOOTING RECORD

Size	Depth Set	Type Packer	Date	Type Explosive	Amount	DEPTH		Volume Before Co. Ft.	Volume After Co. Ft.
						Top	Bottom		

VOLUME AND PRESSURE

Date	Reading in Inches	Liquid	Size Orifice	Volume	Sand	PRESSURE IN MIN.					7 Day R. P.	Max. R. P.	Hours
						5	10	15	30	60			
9-8-53	28/10	Water	1"	41,472	Oriskany	2	3	3	5	7	1210	-	-

TOTAL INITIAL OPEN FLOW *SHOW = 41,472 Cuft. DRY HOLE* CUBIC FEET PER 24 HOURS

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Soil	0	10	10	
Lime	10	29	19	
Slate	29	35	6	
Lime	35	70	35	
Slate	70	90	20	
Lime & Slate	90	436	346	
Lime (Hard)	436	500	64	
Slate & Shell	500	1048	548	
Lime	1048	1225	177	
Lime (Hard)	1225	1265	40	
Britty Lime	1265	1350	85	
Slate & Shell	1350	1418	68	
Lime (Hard)	1418	1700	282	
Slate & Shell	1700	1995	295	
Lime	1995	2744	749	
Sand	2744	2755	11	
Lime	2755	3282	527	
Valley Lime	3282	3303	21	
Slate & Shells	3303	3485	182	
Lime	3485	3635	150	
Slate & Shells	3635	3785	150	
Lime	3785	3814	27	
Black Slate	3814	3904	90	
Brown Shale	3886	3889	3	Run Steel Line, lost 18'
Onondago Lime	3889	3918	3	
Chart Sand	3918	3999	81	
Shale break	3999	4037	38	
Oriskany Sand	4037	4150	113	

Examined above information and measurements and found to be correct by
Union Drilling Co. J. H. ... Contractor
Examined and Approved by
J. P. ... Field Superintendent

NOTE - The above blank must be filled out carefully by the contractor, with a complete and accurate record of the well, and accompany, when presented for payment of the bill for drilling. All formations and known sands must be filled by their proper name, with steel line measurements.

Cumberland & Allegheny Gas Company

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P# 11085

Division **4**
 Record of well No. **492 (2)** on **Simon D. Swartzentruber** Farm **113 1/2** Acres
Oakland Md. Field **Northeast Oakland** Township **Garrett** County **Maryland** State
 Rig Commenced **October 7 1952**, Completed **October 14 1952**
 Drilling Commenced **October 20 1952**, Completed **September 8 1953**
 Contractor **Union Drilling Company** Address **Box 281, Washington, Pa.**
 Driller's Name **Paul Cowell and Carl Randolph**

CASING AND TUBING RECORD

Conductor	18"	10"	8 1/4"	7"	6 3/8"	5 1/16"	4"	3"	
Used in Drig.	-	87' 3"	506' 2"	1427' 11"	3893' 8"	-	-	-	Thds. Off
Left in well									

PACKER RECORD

SHOOTING RECORD

Size	Depth Set	Type Packer	Date	Type Explosive	Amount	DEPTH		Volume Before Co. Ft.	Volume After Co. Ft.
						Top	Bottom		

VOLUME AND PRESSURE

Date	Reading in Inches	Liquid	Size Orifice	Volume	Sand	PRESSURE IN MIN.					7 Day R. P.	Max. R. P.	Hours
						5	10	15	20	30			
8-8-53	28/10	Water	1"	41,472	Oriskany	2	3	3	5	7	1210		

TOTAL INITIAL OPEN FLOW

41,472 Cuft.

CUBIC FEET PER 24 HOURS

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
lime	4150	4153	3	
Total Depth	4153			
8-8-53				7-14-53
Gas tested 21/10W-1"				Open flow after packer was set was 66/10W-1"
8-6-53				Pick Up:-
Gas tested 22/10W-1"				1Min, 2Min, 3Min, 4Min, 5Min, 30Min, 60Min.
8-7-53				7 12 17 22 27 190 270
Gas tested 23/10W-1"				7-17-53
8-10-53				Rock Pressure 1200#, well blowed off to 800# before acidizing... Well acidized 1000 Gals. 15% HCL Acid... 10 Gals. Fuel oil ahead of acid... 200# Well head pressure... Ran swab to bottom hole...
Gas tested 24/10W-1"				7-18-53
8-14-53				Test before swabbing 30/10W-1"... Ran swab 2 times... Test after swabbing 90/10W-1"
Gas tested 27/10W-1"				7-22-53
8-27-53				Rock Pressure 1200#... Acidized 3000 Gal. 15% HCL injected against 1000# well pressure at 2000# pump pressure... 10 Gals. fuel oil ahead of acid...
Gas tested 29/10W-1"				8-4-53
9-14-53				Gas tested 20/10W-1"
7 Day rock pressure 1210#				
9-8-53				
Gas tested 28/10W-1"				
Pick Up:				
5Min, 10Min, 15Min, 20Min, 30Min, 60Min.				
2# 3# 3# 4# 5# 7#				
Final Open Flow 28/10W-1"				

Examined above information and measurements and found to be correct by

Examined and Approved by

Union Drilling Co. J. H. Deagan Contractor

T. J. R. [Signature] Field Superintendent

NOTE - The above blank must be filled out carefully by the contractor, with a complete and accurate record of the well, and accompany when presented for payment of the well.