

STATE OF MARYLAND
DEPARTMENT OF GEOLOGY, MINES AND WATER RESOURCES

The Johns Hopkins University
BALTIMORE 18, MARYLAND

WELL COMPLETION REPORT ARNOLD GEORG WELL NO. 1

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

Elevations:

Ground Level 2,861'
Kelly Bushing 2,876'

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)

	FEEET from.....to.....		DIAM. (inches)	FEEET from.....to.....
Original T.D.	7,909'	Original Casing	7"	0-7,819'
Original Completion:				
Open Hole-Chert	7,819'to 7,909			
Geological Data:				
Formation	Top			
Tully	7,048'			
Onondaga Limestone	7,790'			
Huntersville Chert	7,819'			
Needmore Shale	7,906'			
Oriskany Sandstone	7,949'			
Helderberg Limestone	8,100'			

Permit Number..... 28

Name of Owner Texas Eastern
Transmission Corporation

PUMPING TEST

Hours Pumped
Type of Pump Used.....
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 INSTALLED

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

REMARKS

Reworked well recemented
7" casing - deepened to
8,200'. No gas increase
Ran tubing
No treatment

Well Was Completed
Date October 8, 1964
Well Driller
J. D. Gaden
J. D. Gaden Signature

Reworked October, 1964 Pulled 2 3/8" tubing. Perforated 7" casing at 5056'. Cemented 7" casing from 5056' to surface with 400 sx diacel cement and 75 sx Common Cement. Removed original well head equipment and installed new well head equipment. Deepened well from 7,909' with 6 1/8" hole to 8200'-Helderburg. No increase in gas flow after deepening through oriskany zone. Ran tubing to 7,868. Tested flow of 234 MCFD at 70 psia. Did not treat well with acid.

New Completion

Open hole - Chert
Oriskany, and Helderberg
7,909'to
8,200'

New Tubing

2 3/8" 0-7,868'
4.7# N-80 EUE

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BALTIMORE 18, MARYLAND

Arnold Georg #1 Well

WELL COMPLETION REPORT

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

Elevation 2880 D.F.		WELL DESCRIPTION				Permit Number..... 28
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)				Wm. E. Snee & Orville Eberly
	FEET			DIAM.	FEET	PUMPING TEST
	from.....to.....	from	to	(inches)	from.....to.....	Hours Pumped.....
Slate	0	44		13 3/8" OD Casing set		Pumping Rate
Sand	44	140		@ 22'		Gallons per Minute.....
Slate	140	160		9 5/8" OD Casing set		
Sand	160	215		@ 1304'		
Slate & Shells	215	250		7" OD Casing set		
Lime	250	270		@ 7819'		
Slate	270	278		2 3/8" Tubing set		
Slate & Shells	278	340		@ 7865'		
Slate	340	357				
Slate & Shells	357	608		Water @ 95' 1 gal. Per		
Sand	608	628		min.		
Slate & Shells	628	644		Water @ 195' 2 Bailers		
Sand	644	655		per hour		
Lime	655	1104		Water @ 195' Hole full		
Sand	1104	1148		Water @ 3930'		
Lime	1148	1175				
Sand	1175	1198				
Slate	1198	1204		Gas		
Lime	1204	1309		Tested @ 7835'		
Slate	1309	1344		189,000 MCF per day		
Shale & Clay	1344	1406		Tested @ 7845'		
Red Rock	1406	1465		210,000 MCF per day		
Sand	1465	1499		Tested @ 7866'		
Sand & Shale w/Lime	1499	2340		211,000 MCF per day		
Shale	2340	2450		Tested @ 7901'		
Sand & Shale w/Lime	2450	2575		231,000 MCF per day		
Shale & Sand	2575	3930		Tested after Fracturing		
Sand	3930	3980		1,968,000 MCF per day		
Shale & Sand	3980	4310				
Shale	4310	6695				
Shale w/Lime	6695	7015				
Tulley	7015	7070				
Shale & Lime	7070	7250				
Shale	7250	7430				
Lime	7430	7515				
Shale & Lime	7515	7794				
Brown Break	7794	7796				
Onondaga	7796	7823				
Chert	7823	7906				
Shale	7906	7909				
Total Depth	7909					

Permit Number..... 28

Name of Owner
Wm. E. Snee &
Orville Eberly

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 December 30, 1957

Well Driller
Orville Eberly
Signature

