

STATE OF MARYLAND
DEPARTMENT OF GEOLOGY, MINES AND WATER RESOURCES

The Johns Hopkins University
BALTIMORE 18, MARYLAND

WELL COMPLETION REPORT John Miller Unit #1

New Elevations: *This report must be submitted within 30 days after completion of the well*
2411.25' Gr.

RDB 2427.58'
Orig. Braden Head 2411.25'

WELL DESCRIPTION

Original Permit Number...1... (One).....

Name of Owner Texas Eastern Transmission Corporation

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)

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

Surface 1 1/2.....Ft.

PUMP INSTALLED

Type

Capacity

Gallons per Minute.....

Gallons per Hour.....

Pump Column Length.....Ft.

REMARKS

*Reworked well..... Deepen well from 7451' to 7720'

Recap of Zones Penetrated During Original Drilling

FEET
from.....to.....

Details of 4 1/2" Casing Btm. to Top

DIAM.
(inches)

FEET
from.....to.....

Top Onodaga Limestone
Top 1st. Huntersville Chert
60' Fault @
Top 2nd. Huntersville Chert
90' Fault @
Top Needmore Shale
Top Oriskany Sandstone

7048' (-4621')
7084' (-4657')
7143' (-4716')
7144' (-4717')
7234' (-4807')
7380' (-4953')
7426' (-4999')

Bull Plug Shoe
1-Spacer Joint
Solid Baffle Col.
23 Jts. -13.5# N-80 Csg.
Baker Model "M" Packer
Ported Float Col.
1-Spacer Joint
Flapper Valve Col.

4 1/2
4 1/2
4 1/2
4 1/2
7 X 4 1/2
4 1/2
4 1/2
4 1/2

718-7719 1/2
7703-7718
7702-7703
6995-7702
6991-6999
6985-6989
6983-6985

Zones Penetrated During 1964 Deepening of Well

Top Helderberg
Total Depth

7556' (-5129')
7720' (-5293')

31 Jts. -13.5# N-80 Csg.
Stage Collar
183 1/2 Jts. 13.5# N-80 Csg.

4 1/2
4 1/2
4 1/2

5990-6983
5988-5990
14-5988

5-Baker Metal Petal Baskets @

4 1/2

7425
7419
7357
7088
7026

10-Baker Centralizer @ 4 1/2

4 1/2

7479
7452
7363
7324
7113
7057
6664
6312
6022
5983

*Cemented 7" csg. from 5003' to surface w/1905 cu. ft. Diacel Cmt. followed w/75 sx. Common Cmt. Deepened well from 7451'-7720'. Ran 4 1/2" 13.50# N-80 LT&C csg. as described above. Cmt. 4 1/2" csg. from 6989' to 5988' w/120 sx. Common Cmt. & from 5988' to surface w/300 sx. of 20% Diacel Cmt. followed w/50 sx. Common Cmt. Cleaned out 4 1/2" csg. to PBD 7700'. Perf. 4 1/2" csg. 7546'-60'; 7500'-15'; 7426'-46' (All w/4 Jets per ft.) & 7422'-24' w/8 Jets per ft. & 7161'-92' w/2 Jets per ft. Acidize all Perf. w/25 bbls. wash (3%) Acid, 1000 gal mud acid, 5000 gals. retarded acid, 5000 gals. X F Acid, 75 bbls. wash (3%) Acid. Absolute Open Flow Potential - 3,080 MCFD Gas.

Well Was Completed

Date June 4, 1964

Well Driller

J. D. Fide
Signature

STATE OF MARYLAND
DEPARTMENT OF GEOLOGY, MINES AND WATER RESOURCES

The Johns Hopkins University
 BALTIMORE 18, MARYLAND

John Miller Pool #1 Well
 Garrett County, Maryland

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.	FEET
	from.....to.....		(inches)	from.....to.....
Space	0 6	13 3/8" OD Casing	to 25'	
Clay	6 30	10 3/4" OD Casing	to 528'	
Lime	30 40	7 " OD Casing	to 7060'	
Slate	40 65	2 3/8" OD Tubing	to 7445'	
Red Sand	65 80			
Slate & Shells	80 111			
Red Sand	111 120	Fresh water at 30'	and 68'	
Lime	120 143			
Red Rock	143 155	No water below 10" casing		
Sand	155 168			
Red Rock	168 175			
Lime	175 180			
Red Rock	180 185			
Sandy Lime	185 250			
Red Rock	250 260			
Lime	260 280			
Red Rock	280 285			
Lime	285 300			
Red Rock	300 302			
Lime	302 340			
Slate	340 360			
Lime	360 370			
Slate & Shells	370 414			
Lime	414 520			
Slate	520 532			
Lime	532 548			
Slate	548 558			
Sand	558 580			
Red Rock	580 585			
Slate	585 595			
Sandy Lime	595 641			
Slate	641 643			
Red Sand	643 663			
Slate & Shells	663 700			
Lime	700 710			
Slate & Shells	710 900			
Slate	900 1132			
Lime	1132 1145			
Slate	1145 1148			
Red Rock	1148 1154			
Slate & Shells	1154 1185			
Lime	1185 1215			
Slate & Shells	1215 1400			
Slate	1400 1410			
Lime	1410 1450			

Permit Number.....1

Name of Owner
Snee & 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.....

Well Driller.....

Signature

STATE OF MARYLAND
DEPARTMENT OF GEOLOGY, MINES AND WATER RESOURCES

The Johns Hopkins University
BALTIMORE 18, MARYLAND

John Miller Pool #1 Well
Cont'd

WELL COMPLETION REPORT

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

WELL LOG		WELL DESCRIPTION		
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)		
	FEEET from.....to.....		DIAM. (inches)	FEEET from.....to.....
Slate & Shells	4670 4750			
Slate & Shells	4750 4800			
Lime Shells	4800 4900			
Slate & Shells	4900 4950			
Lime Shells	4950 5160			
Slate & Shells	5160 5260			
Slate & Shells	5260 5475			
Slate & Shells	5475 5700			
Brown Shale	5700 5955			
Limey	5955 6075			
Shale	6075 6140			
Shale	6140 6190			
Limey Shale	6190 6340			
Shale & Lime Shells	6340 6477			
Limey	6477 6510			
Slate & Shells - Limey	6510 6634			
Limey Shale	6634 6670			
Limey	6670 6734			
Shale	6734 6870			
Limey Shale	6870 6885			
Lime	6885 6900			
Shale	6900 6925			
Lime	6925 6935			
Shale	6935 7049			
Brown Break	7049 7052			
Onondago Lime	7052 7076	7" Casing at 7060'		
Chert - Dark	7076 7090			
Chert - Gray	7090 7100			
Chert - Light Gray	7100 7125	Show of gas at 7105'		
Chert - Dark	7125 7175			
Chert - Light Gray	7175 7190	Gas 7180-7187' 250 MCF per day		
Chert - Dark	7190 7214			
Chert & Dark Slate	7214 7221			
Chert - Dark	7221 7232			
Chert - Gray	7232 7290			
Chert - Dark	7290 7330			
Chert & Dark Slate	7330 7377			
Shale Dark	7377 7416			
Lime - Dark Gray	7416 7422			
Oriskany Sand	7422 7451	TD Gas 7424-7437' 1750 MCF per day total		
		Closed in pressure 2900 psi		

Permit Number... 1
Name of Owner
Snee & 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
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Well Was Completed
Date... 12/8/54
OWNER
Well-Driller... SNEE & EBERLY
Signature

File copy
Accountant
Miller # 1

State of Maryland
DEPARTMENT OF GEOLOGY, MINES AND WATER RESOURCES
The Johns Hopkins University
Baltimore 18, Maryland

APPLICATION FOR PERMIT TO DRILL OIL OR GAS WELL
(Applications must be submitted in triplicate)

<p>OWNER <u>SNEE & EBERLY</u></p> <p>STREET or R.F.D. <u>208 Union Trust Bldg.</u></p> <p>POST OFFICE <u>Uniontown, Pennsylvania</u></p> <hr/> <p style="text-align: center;">PERMIT TO DRILL WELL</p> <p style="text-align: center;">NOT TO BE FILLED IN BY APPLICANT</p> <p>PERMIT NO. <u>1 (One)</u></p> <p>The permit is herewith granted subject to the conditions stipulated.</p> <p style="text-align: right;"><i>Joseph T. Schiavone</i> Director</p> <p>Date <u>May 19, 1954</u></p> <p>Special conditions that may apply:</p>	<p>LOCATION OF WELL</p> <p>COUNTY <u>Garrett</u></p> <p>NEAREST POSTOFFICE <u>Accident</u></p> <p>Distance from Post Office <u>1.55 miles</u></p> <p>Direction from Post Office <u>N 80° W</u></p> <hr/> <p>APPROXIMATE DEPTH OF WELL (feet) <u>7400'</u></p> <p>METHOD OF DRILLING <u>Cable tool</u></p> <p>DEEPEST GEOLOGIC FORMATION WELL WILL BE DRILLED <u>Helderberg</u></p> <p>DISTANCE OF WELL LOCATION TO NEAREST BUILDING (feet) <u>395'</u></p> <hr/> <p>NUMBER OF SHIFTS PER DAY <u>2</u></p> <p>LICENSED DRILLER IN CREW OF EACH SHIFT</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center; border-bottom: 1px solid black;">NAME</th> <th style="text-align: center; border-bottom: 1px solid black;">ADDRESS</th> </tr> </thead> <tbody> <tr> <td style="border-bottom: 1px solid black;"><u>Von Clutter</u></td> <td style="border-bottom: 1px solid black;"><u>R.D. #3, Terra Alta, West Virginia</u></td> </tr> <tr> <td style="border-bottom: 1px solid black;"><u>Alvie M. Rush</u></td> <td style="border-bottom: 1px solid black;"><u>R.D. #1, Nineveh, Pennsylvania</u></td> </tr> </tbody> </table> <p>These names may be supplied later but before drilling begins</p>	NAME	ADDRESS	<u>Von Clutter</u>	<u>R.D. #3, Terra Alta, West Virginia</u>	<u>Alvie M. Rush</u>	<u>R.D. #1, Nineveh, Pennsylvania</u>
NAME	ADDRESS						
<u>Von Clutter</u>	<u>R.D. #3, Terra Alta, West Virginia</u>						
<u>Alvie M. Rush</u>	<u>R.D. #1, Nineveh, Pennsylvania</u>						

The names and post office addresses of the owners of the tracts of land included on the plat or map accompanying the application are to be given below.

SCHEDULE ATTACHED.

NOTE

A BOND FOR \$2,500 PAYABLE TO THE STATE OF MARYLAND MUST ACCOMPANY THE APPLICATION
THIS APPLICATION FORM MUST BE FILLED OUT WITH TYPEWRITER OR IN BLOCK LETTERS