

STATE OF MARYLAND  
DEPARTMENT OF GEOLOGY, MINES AND WATER RESOURCES

The Johns Hopkins University  
BALTIMORE 18, MARYLAND

WELL COMPLETION REPORT Herman and Hanlin Unit No. 2

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

WELL DESCRIPTION

Original Permit Number.....23.....

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)

Name of Owner  
Texas Eastern Transmission Corporation.....

WELL LOG	FEET		DIAM. (inches)	FEET		PUMPING TEST
	from.....to.....			from.....to.....		
NEW ZERO = K. Bushing K. Bushing Elevation= 2,368'S.L. K. Bushing = 14.7' above T.H.F.						Hours Pumped ..... Type of Pump Used..... Pumping Rate Gallons per Minute.....
Original T.D. (Oriskany Sand) Zero correction (+11') Oriskany Sand	7175 7186		4 1/2"	0-7346'		<b>WATER LEVEL</b> Distance from land surface to water: Before Pumping.....Ft. When Pumping.....Ft.
Helderberg Lime	7186-7330 7330-7350		4 1/2"	6983-87' 6981-83' 5988-60'		<b>APPEARANCE OF WATER</b> Clear ..... Cloudy ..... Taste ..... Odor .....
			4 1/2"	At 7249' At 7120' At 7019' At 6949' At 6023' At 5958'		Height of Casing Above Land Surface 2.5 Ft.
			4 1/2"	At 7219' At 7186' At 7056' At 7022'		<b>PUMP INSTALLED</b> Type .....None..... Capacity Gallons per Minute..... Gallons per Hour..... Pump Column Length.....Ft.

\* Reworked Well: Perforated 7" casing at 6,240'. Unable to circulate behind casing. Squeezed perforations with 100 sx. Portland Cement. Changed out tubing head. Cleaned out well to orig. T.D. of 7,186' (corr. zero). Tested well-flowed 3,145 MCF/D at 136 psia. Deepened well to 7,350'. Tested well-flowed 6,245 MCF/D at 270 psia. Ran 4 1/2" 13.5# N-80 casing w/ equip. to 7,347'. Set Packoff at 6,987' and cemented first stage from 6,983' to 5,960' w/120 sx. Portland Cement. Cemented second stage from 5,960' to surface w/320 sx. 20% Diacel Cement followed by 50 sx. Portland Cement. Perforated Oriskany Sand 7,183' to 7,203', 7,207' to 7,226', and Chert 7,055' to 7,155'. Acidized perforations first stage w/1000 gals. mud acid and second stage w/5000 gals. retarded acid and 5000 gals. 15% acid, all acid contained Nitrogen. Cleaned well to pit. Tested well, flowed 12,135 MCF/D at 277 psia.

REMARKS

\*Reworked Well.  
Deepened Well from original T. D. of 7,175' to 7,350'.

Well Was Completed  
Date November 21, 1963  
Well Driller.....

Signature

*Md Dept of Geology*

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*

Herman & Hanlin Unit No. 1

Elevation 2373 D.F.		WELL DESCRIPTION			Permit Number <b>23</b>
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)			<b>Wm. E. Snee &amp; O. Eberly</b>
	F.E.E.T. from.....to.....		D.I.A.M. (inches)	F.E.E.T. from.....to.....	PUMPING TEST
Space	0	8	12 1/2 OD Casing set @	23'7"	Hours Pumped .....
Clay	8	20	10 3/4 OD Casing set @		Type of Pump Used .....
Red Rock	20	60	542' 9"		Pumping Rate Gallons per Minute .....
Sandy Shale	60	70	7" OD Casing set @		<b>WATER LEVEL</b>
Slate	70	90	7041"		Distance from land surface to water:
Sandy Shale	90	140	2 3/8" Tubing set @		Before Pumping.....Ft.
Red Rock	140	148	7174'		When Pumping.....Ft.
Sandy Shale	148	178			<b>APPEARANCE OF WATER</b>
Red Rock	178	185			Clear .....
Sandy Shale	185	225			Cloudy .....
Red Rock	225	230			Taste .....
Sandy Shale	230	333			Odor .....
Red Sand	333	350			Height of Casing Above Land Surface .....
Slate & Shells	350	395			<b>PUMP INSTALLED</b>
Red Rock	395	405			Type .....
Sandy Shale	405	440			Capacity
Sand - Partly Red	440	475	Fresh water @ 60 ft.		Gallons per Minute.....
Sandy Shale	475	500	1 bailer per hour		Gallons per Hour.....
Shale	500	509	Fresh water @ 100 ft.		Pump Column Length.....Ft.
Sandy Shale	509	575	hole full		<b>REMARKS</b>
Sand	575	590	No water below 10" casing		.....
Slate and Shells	590	685			.....
Red Rock	685	700			.....
Slate & Shells	700	732	Gas @ 7059 - 7085,		.....
Red Rock	732	737	1,911 MCF per day		.....
Lime	737	820			.....
Red Rock	820	830	Gas @ 7172 - 7174,		.....
Slate & Shells	830	937	total 5,116 MCF per day		.....
Sand	937	953			.....
Slate & Shells	953	1306			.....
Red Rock	1306	1350			.....
Slate	1350	1395			.....
Red Rock	1395	1405			.....
Slate & Shells	1405	1700			.....
Broken Sand	1700	1735			.....
Slate & Shells	1735	1825			.....
Lime Shells	1825	2195			Well Was Completed
Sandy Lime	2195	2710			Date .....
Gritty Lime	2710	2744			Well Driller.....
					.....
					Signature

STATE OF MARYLAND  
DEPARTMENT OF GEOLOGY, MINES AND WATER RESOURCES

The Johns Hopkins University  
BALTIMORE 18, MARYLAND

Page No. 2

**WELL COMPLETION REPORT**

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

Herman & Hanlin Unit No. 1

Elevation 2373 D. F.

WELL DESCRIPTION

Permit Number **23**

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)

Name of Owner  
**Wm. E. Snee & O. Eberly**

	FEET		DIAM. (inches)	FEET	
	from.....to.....	from.....to.....		from.....to.....	from.....to.....
Slate & Shells	2744	3100			
Sandy	3100	3130			
Slate & Shells	3130	3407			
Sandy	3407	3475			
Slate & Shells	3475	5090			
Shale	5090	5220			
Lime	5220	5300			
Slate & Shale	5300	5540			
Lime	5540	5600			
Shale	5600	5900			
Lime Shells	5900	6130			
Shale	6130	6150			
Shale (Limey)	6150	6405			
Lime (Tully)	6405	6415			
Lime Shells	6415	6540			
Shale	6540	6625			
Limey	6625	6720			
Shale	6720	6905			
Dark Lime	6905	6920			
Light Lime	6920	6930			
Black Shale	6930	7024			
Brown Break	7024	7026			
Lime (Onondaga)	7026	7046			
Chert	7046	7145			
Shale	7145	7166			
Lime	7166	7170			
Sand (Oriskany)	7170				
T. D.	-	7175			

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 .....

PUMP INSTALLED

Type .....

Capacity  
Gallons per Minute.....

Gallons per Hour.....

Pump Column Length.....Ft.

REMARKS

Well Was Completed  
Date **Dec. 7, 1956**

Well Driller.....

Signature

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

#23  
Accident Quad  
23

HERMAN-HANLIN #1 WELL

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

OWNER _____ STREET or R.F.D. <u>SIRE &amp; EBERLY</u> POST OFFICE <u>208 UNION TRUST BLDG.</u> <u>UNIONTOWN</u> <u>PENNSYLVANIA</u>	LOCATION OF WELL _____ COUNTY _____ NEAREST POSTOFFICE <u>GARRETT</u> <u>ACCIDENT, MARYLAND</u> Distance from Post Office _____ Direction from Post Office <u>9300 ft.</u> <u>N 67° W</u>						
PERMIT TO DRILL WELL  NOT TO BE FILLED IN BY APPLICANT  PERMIT NO. <u>Twenty Three (23)</u>  The permit is herewith granted subject to the conditions stipulated.  <u>James T. Anagnostis</u> Director	APPROXIMATE DEPTH OF WELL (feet) _____ <u>7500</u> METHOD OF DRILLING _____ <u>CABLE TOOL</u> DEEPEST GEOLOGIC FORMATION WELL WILL BE DRILLED _____ <u>ORISKANY</u> DISTANCE OF WELL LOCATION TO NEAREST BUILDING (feet) _____ <u>1305</u>						
Date <u>Aug 16, 1956</u>  Special conditions that may apply: _____	NUMBER OF SHIFTS PER DAY _____ <u>2</u> LICENSED DRILLER IN CREW OF EACH SHIFT <table border="1"> <thead> <tr> <th>NAME</th> <th>ADDRESS</th> </tr> </thead> <tbody> <tr> <td><u>VON CLUTTER</u></td> <td><u>TERRA ALTA, W. VA.</u></td> </tr> <tr> <td><u>JOHN ROBERTS</u></td> <td><u>TERRA ALTA, W. VA.</u></td> </tr> </tbody> </table> These names may be supplied later but before drilling begins	NAME	ADDRESS	<u>VON CLUTTER</u>	<u>TERRA ALTA, W. VA.</u>	<u>JOHN ROBERTS</u>	<u>TERRA ALTA, W. VA.</u>
NAME	ADDRESS						
<u>VON CLUTTER</u>	<u>TERRA ALTA, W. VA.</u>						
<u>JOHN ROBERTS</u>	<u>TERRA ALTA, W. VA.</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.

SEE ATTACHED SHEET

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