

STATE OF MARYLAND  
**MARYLAND GEOLOGICAL SURVEY**  
 The Johns Hopkins University  
 BALTIMORE, MARYLAND 21218

Permit Number 97  
 Well Number 1  
 Company TETCO  
 County Garrett

**COMPLETION REPORT**  
 (oil or gas well)

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

WELL DESCRIPTION - KIND OF WELL: Gas (Storage)  
 (Oil, Gas, Other)

NAME & WELL NO. <u>Freeman Bowser #1</u>	Size of Casting and Tubing	Used in Drilling	Left in Well	Packers: Type, Size and Depth
ELEVATION: <u>GR 2641</u> LEASE: _____	13-3/8"	265'	265'	None
DRILLING COMMENCED: <u>8-1-72</u> DRILLING COMPLETED: <u>9-6-72</u>	9-5/8"	3811'	3811'	None
PRODUCTION: <u>Gas</u>	7"	7636'	7636'	None
RESERVOIR PRESSURE _____ psig _____ hrs.				
WELL TREATMENT: (Shooting, Acidizing, Fracturing, Etc.) <u>Oriskany Open Hole 7636-7780'</u>				PERFORATIONS AT:
<u>Acidized w/30,000 gallons 15% HCL acid w/FE additives, over-flushed w/4000 gallons 3% HCL acid.</u>				None
				Open Hole 7636-7780'

CEMENTING DATA: (Size Pipe, Depth, No. Bags, Date)

13-3/8", 265', 240 sx + 2% CaCl 8-5-72  
9-5/8", 3811', 1200 sx 8-18-72  
7", 7636', 1st Stage 430 sx around bottom

RESERVOIR PRESSURE AFTER TREATMENT: \_\_\_\_\_  
2nd Stage 1315 sx thru DV Tool @ 6635', 9-2-72

RESULTS AFTER TREATMENT: Well tested  
40,000 10-20-72

REMARKS:

GEOPHYSICAL LOGS (Type of Geophysical Logs Run on Well)

Formation Density  
 Gamma Ray-Neutron

MARYLAND GEOLOGICAL SURVEY

The Johns Hopkins University  
BALTIMORE, MARYLAND 21218

GEOLOGICAL LOG

FORMATION	TOP	BOTTOM	GAS AT	OIL AT	WATER AT (Fresh or Salt Water)	REMARKS
Benson	3676	3742				
Tully	6718	6740				
Onondaga	7464	7482				
Huntersville Chert	7482	7594				
Needmore Shale	7594	7636				
Oriskany	7636	7778	7695 7724 7753			220 MCFD 412 MCFD 1,067 MCFD
Helderberg	7778					

This completion report is accurate to the best of my knowledge.

Date 11-3, 1972

APPROVED D. J. Lunde

By Ray Mgr.  
(Title)

COMPANY Johns Eastern Trust Corp.

State of Maryland  
**MARYLAND GEOLOGICAL SURVEY**  
 The Johns Hopkins University  
 Baltimore, Maryland 21218

*Accident Quind  
 Char Bowser unit 97  
 70 7780  
 Gas storage  
 Comp Sept 72*

**APPLICATION FOR PERMIT TO DRILL OIL OR GAS WELL**

(Applications must be submitted in triplicate)

FREEMAN BOWSER WELL #1

OWNER TEXAS EASTERN TRANSMISSION CORPORATION  
 STREET or R.F.D. P. O. BOX 2521  
 POST OFFICE Houston, Texas 77001

LOCATION OF WELL  
 COUNTY GARRETT  
 NEAREST POST OFFICE ACCIDENT MARYLAND  
 Distance from Post Office 7512.25'  
 Direction from Post Office N78°, 57', 52E from  
NE corner of postoffice

**PERMIT TO DRILL WELL**

NOT TO BE FILLED IN BY APPLICANT

PERMIT NO. Ninety seven -- 97

APPROXIMATE DEPTH OF WELL (feet) 8000'  
 METHOD OF DRILLING Rotary

The permit is herewith granted subject to the conditions stipulated.

DEEPEST GEOLOGIC FORMATION  
 WELL WILL BE DRILLED into definite heldeberg.

*Ernest W. Nazelrod*  
 Director

DISTANCE OF WELL LOCATION  
 TO NEAREST BUILDING (feet) 1,011.00'

Date 7/13/72

NUMBER OF SHIFTS PER DAY 3

Special conditions that may apply:

"Gas Storage Well Only"

LICENSED DRILLER IN CREW OF EACH SHIFT  

NAME	ADDRESS
TO BE FURNISHED	<u>Aug 7, 1972</u>
<u>#93 Ernest W. Nazelrod</u>	
<u>#90 Orris Bergh</u>	
<u>#91 Claude E. Mayberry</u>	

Names of drillers must be furnished prior to drilling of well

TO BE FURNISHED #93 Ernest W. Nazelrod  
#90 Orris Bergh  
#91 Claude E. Mayberry

These names may be supplied later but before drilling begins

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 list.

**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



