

**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.	Size of Casting and Tubing	Used in Drilling	Left in Well *	Packers: Type, Size and Depth
<u>H. Hanlin # 5</u>	<u>20" OD</u>		<u>24'</u>	
ELEVATION: <u>2564'</u> LEASE: _____	<u>13-3/8" OD</u>		<u>527'</u>	
DRILLING COMMENCED: <u>5/3/80</u> DRILLING COMPLETED: <u>7/14/80</u>	<u>9-5/8" OD</u>		<u>2997'</u>	
PRODUCTION: <u>3156 MCFD (RESERVOIR GAS)</u> <u>8:00 AM 7/24/80</u>	<u>7" OD</u>		<u>7720'</u>	
RESERVOIR PRESSURE <u>2610</u> psig <u>7/23/80</u> hrs. Well Head Pressure	<u>4 1/2" OD</u>	<u>Liner</u>	<u>256'</u>	<u>BOT Liner</u> <u>PKR @ 7650'</u>
WELL TREATMENT: (Shooting, Acidizing, Fracturing, Etc.) <u>Oriskany-Acadized w/5000 Gal 15% MCA</u>				PERFORATIONS AT:
<u>Acid Frac in two stages. 1st. 20,000 Gal 3% HCL &amp; 40,000# Sand, 2nd. - 20,000 Gal 3% HCL &amp; 30,000# Sand.</u>	<u>Oriskany</u>	<u>Sand</u>	<u>18 Holes</u>	<u>7770' - 7848'</u>
<u>Chert - Acadized w/15,000 Gal 10% MCA</u>	<u>Chert</u>		<u>21 Holes</u>	<u>7564' - 7640'</u>
<u>Acid Frac - 40,000 Gal 10% HCL &amp; 20,000# 20-40 Mesh Sand.</u>	CEMENTING DATA: (Size Pipe, Depth, No. Bags, Date)			
RESERVOIR PRESSURE AFTER TREATMENT: _____	<u>20" OD CSG Cemented w/20 sx cmt. 5/3/80</u>			
<u>Shut in well head pressure</u>	<u>13-3/8" OD CSG w/300 sx Thixotropk &amp; 100 sx of Portland cement 5/9/80</u>			
<u>2335' after 43 hours.</u>	<u>9-5/8" OD CSG w/800 sx Howco Light, 100 sx cemcomp &amp; 100 sx Portland cmt. 5/20/80</u>			
RESULTS AFTER TREATMENT: _____	<u>7" OD CSG cmtd. thru shoe w/300 sx 25-75 Poz cmt. and 100 sx Latex cmt. cmtd.thru DV Pkr. (6527') w/1325 sx 25-75 Poz &amp; 100 sx Latex cmt. 6/11/80.</u>			
<u>(Reservoir Gas)</u>	<u>4-1/2" OD Liner (7650'-7906') cemented with 50 sx Latex cement. 6/21/80</u>			
REMARKS:	GEOPHYSICAL LOGS (Type of Geophysical Logs Schlumberger Logs Run on Well)			
<u>*All measurements are from Kelly Drive Bushing, to obtain correct amount subtract 14' Well shut in 7/24/80</u>	<u>FDC (3007'-537'), (7646'-3000'), (7906'-7400')</u>			
	<u>DC (3007'-537'), (7640'-3022')</u>			
	<u>CDR (3007'-537')</u>			

Department of Natural Resources  
 Energy & Coastal Zone Administration  
 Tawes State Office Building  
 Annapolis, Maryland 21401

FORMATION	TOP	BOTTOM	GAS AT	OIL AT	WATER AT (Fresh or Salt Water)	REMARKS
Tully Limestone	6638	6702				1st. Tully
Tully Limestone	6757	6794				2nd. Tully
Onondoga Shale	7410	7420				
Huntersville Chert	7436	7506				1st. Chert
Huntersville Chert	7530	7646				2nd. Chert
Needmore Shale	7734	7766				
Oriskany Sand	7766	7926				
Helderburg	7926					

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

Date September 8, 1980

APPROVED Maurice N. Hinds

By Maurice N. Hinds  
 Senior Engineer  
 (Title)

COMPANY Texas Eastern Transmission Corp.

APPLICATION FOR PERMIT TO DRILL OIL OR GAS WELL

(Applications must be submitted in triplicate)

H. Hanlin #5

OWNER Texas Eastern Transmission Corporation  
 STREET or R.F.D. 1221 McKinney  
 POST OFFICE P. O. Box 2521  
Houston, TX 77001

LOCATION OF WELL MD Grid Coordinates  
N666,403.51' & E136,055.15'  
 COUNTY Garrett  
 NEAREST POST OFFICE Accident  
 Distance from Post Office 11,272'  
 Direction from Post Office N 68° 59' - 29"

PERMIT TO DRILL WELL

NOT TO BE FILLED IN BY APPLICANT

PERMIT NO. 118

APPROXIMATE DEPTH OF WELL (feet) 7625'  
 METHOD OF DRILLING Rotary  
 DEEPEST GEOLOGIC FORMATION  
 WELL WILL BE DRILLED into Helderburg  
 DISTANCE OF WELL LOCATION  
 TO NEAREST BUILDING (feet) 1175' (Barn)

The permit is herewith granted subject to the conditions stipulated.

Anthony F. Abar  
 Director J.F.B.

Date January 8, 1980

NUMBER OF SHIFTS PER DAY \_\_\_\_\_  
 LICENSED DRILLER IN CREW OF EACH SHIFT  
NAME ADDRESS

Special conditions that may apply:

To be furnished prior to commencing operations

Approved as to legal form and  
 sufficiency this 18<sup>th</sup> day of  
December, 19 79  
M. J. [Signature]  
 Assistant Attorney General

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 plat and list of names 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