

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

RECEIVED

Permit Number 122
 Well Number 8
 Company TE Corp.
 County Garrett

SEP 23 1981

COMPLETION REPORT

(oil or gas well)

ENERGY ADMINISTRATION

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
USA Savage River Forrest #8				
ELEVATION: <u>2907'</u> LEASE: <u>Same</u>	<u>20"</u>		<u>15'</u>	
DRILLING COMMENCED: <u>5-10-81</u> DRILLING COMPLETED: <u>6-29-81</u>	<u>13 3/8"</u>		<u>660'</u>	
PRODUCTION: <u>Gas Storage Well</u>	<u>9 5/8"</u>		<u>4139'</u>	
<u>1300 MCFGD</u>	<u>7"</u>		<u>7856'</u>	
RESERVOIR PRESSURE <u>NA</u> psig _____ hrs.	<u>4 1/2" liner</u>		<u>8136-7360'</u>	
WELL TREATMENT: (Shooting, Acidizing, Fracturing, Etc.) Perfs (Oriskany) 7998-8099 (OA)	<u>2 3/8"</u>		<u>7474'</u>	
<u>5000 gals 15% MCA - Reacidized same Orisk perfs</u>				PERFORATIONS AT: <u>7998-8099 (OA)</u>
<u>with 15000 gals 15% HCL. Acidized chert perfs</u>				<u>7867-7908 (OA)</u>
<u>7967-7908 with 40000 gals gelled waterd with</u>				
<u>80000 #20-40 sd.</u>				
	CEMENTING DATA: (Size Pipe, Depth, No. Bags, Date)			
	<u>20" OD</u>	<u>15'</u>	<u>20 sx</u>	<u>5-10-81</u>
	<u>13 3/8" OD</u>	<u>660'</u>	<u>450 sx</u>	<u>5-15-81</u>
	<u>9 5/8" OD</u>	<u>4158'</u>	<u>1125 sx</u>	<u>5-27-81</u>
RESERVOIR PRESSURE AFTER TREATMENT: _____	* <u>7" OD</u>	<u>7856'</u>	<u>1435 sx</u>	<u>6-10-81</u>
<u>NA (Gas Storage) varies with injection with-</u>	<u>4 1/2" OD</u>	<u>7360-8136'</u>	<u>150 sx</u>	<u>6-30-81</u>
<u>drawer cycle.</u>				
RESULTS AFTER TREATMENT: <u>1,300 MCFGD</u>				
REMARKS: <u>PBTD 8108' TD 8139'</u>	GEOPHYSICAL LOGS (Type of Geophysical Logs Run on Well)			
<u>20", 13 3/8", 9 5/8" cemented from bottom to surface. 7" casing stuck with shoe at 7856' (TD 8 3/4" hole 7984') DV tool at 6581'</u>	<u>GR & Directional 4121' to surf, 5-26-81</u>			
* <u>thru perf. 7" at 7500'. Temp survey show top of cmt at 2165'.</u>	<u>Ind. FDC CDR & Temp log. 7975-4100'</u>			
	<u>CNL FDC & Ind. 8131-7750'</u>			

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 Sd.	3970	4011				
Tulley Lm.	7038	7060				
Onondoga Lm.	7838	7860				
Huntersville Chert	7860	7950				Natural flow from chert 163 MCFGD
Needmore Sh.	7950	7982				
Oriskany Sd.	7982	8110				Drilled with mud
Heldeberg Lm	8110	TD				

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

Date September 16, 1981

APPROVED *J. J. [Signature]*

By Staff Engineer
(Title)

COMPANY Texas Eastern Corporation

APPLICATION FOR PERMIT TO DRILL OIL OR GAS WELL

(Applications must be submitted in triplicate) Savage River # 8.

OWNER Texas Eastern Transmission Corporation

STREET or R.F.D. 1221 McKinney

POST OFFICE P. O. BOX 2521

HOUSTON, TEXAS 77001

LOCATION OF WELL, MD. GRID COORDINATES
N 661,226.09' & E153,184.46'

COUNTY GARRETT

NEAREST POST OFFICE Accident

Distance from Post Office 6834.17'

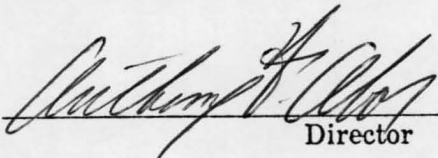
Direction from Post Office N80° 01'54"W

PERMIT TO DRILL WELL

NOT TO BE FILLED IN BY APPLICANT

PERMIT NO. 122

The permit is herewith granted subject to the conditions stipulated.


Director

Date 1/21/81

Special conditions that may apply:

APPROXIMATE DEPTH OF WELL (feet) 8250

METHOD OF DRILLING Rotary

DEEPEST GEOLOGIC FORMATION
WELL WILL BE DRILLED into Helderburg.

DISTANCE OF WELL LOCATION
TO NEAREST BUILDING (feet) No building
within 1500' of this well site.

NUMBER OF SHIFTS PER DAY 3

LICENSED DRILLER IN CREW OF EACH SHIFT

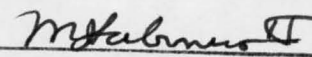
NAME

ADDRESS

To be furnished prior commencing operations.

These names may be supplied later but before drilling begins

Approved as to legal form and
sufficiency this 5th day of
November, 19 80


Assistant Attorney General

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