

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

Permit Number 113
 Well Number 6
 Company Texas Eastern
 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>M. Rush #6</u>	Size of Casting and Tubing	Used in Drilling	Left in Well	Packers: Type, Size and Depth
ELEVATION: <u>2265'</u> LEASE: <u>Weitzell</u>	20" OD		12'	
DRILLING COMMENCED: <u>7/25/78</u> DRILLING COMPLETED: <u>9/6/78</u>	13 3/8" OD		290'	
PRODUCTION: <u>7 MMCFGD</u>	9 5/8" OD		2986'	
	7" OD		7324'	
Surface RESERVOIR PRESSURE <u>2350</u> psig <u>7</u> hrs.				
WELL TREATMENT: (Shooting , Acidizing, Fracturing, Etc.) <u>Open hole Oriskany 7326-7460' Frac w/5000 gals</u> <u>5% MCA & 40,000 gals 3% HCL & 60,000# Sd. Chert</u> <u>perfs 7146-62' & 7180-7211'. Acidized w/10,000</u> <u>gals 7½% MCA. Chert perfs 7146-62' & 7180-7211'</u> <u>frac with 1000 gals 7½% MCA & 40,000 gals 3%</u> <u>HCL w/72,500# sd.</u>				PERFORATIONS AT:
RESERVOIR PRESSURE AFTER TREATMENT: <u>NOT TAKEN</u>	CEMENTING DATA: (Size Pipe, Depth, No. Bags, Date)			
	20" OD csg cemented w/20 sx cmt.			
	13 3/8" OD csg cemented w/125 sx Thixotropic & 100 sx class "H" cmt.			
	9 5/8" OD csg cemented w/700 sx Halliburton lite cmt & 200 sx Class "H" cmt.			
	7" OD csg cemented thru shoe w/620 sx 25-75 Poz & 60 sx latex cmt & cemented thru DV pkr with 1165 sx 25-75 Poz & 60 sx Latex cmt.			
RESULTS AFTER TREATMENT: <u>Gas rate</u> <u>7063 MCFGD.</u>				
REMARKS: <u>DV packer collar 5703'</u> <u>7" casing set 7324'. Drill 6 1/8" hole below 7" to TD 7460', Oriskany 7326-7455' completed open hole,</u>	GEOPHYSICAL LOGS (Type of Geophysical Logs Run on Well) <u>GR w/caliper 2948-75</u> <u>Directional Log 2948-300'</u> <u>Comp. Form. Den w/caliper 7325-2700'</u> <u>Comp. Form. Den. 7459-7040'</u> <u>Temp. Log 7460-7000'</u> <u>Temp. Log 7325-2700'</u> <u>Ind. Log 7322-2984'</u> <u>Dir. Log 7325-2984'</u>			

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GEOLOGICAL LOG

FORMATION	TOP	BOTTOM	GAS AT	OIL AT	WATER AT (Fresh or Salt Water)	REMARKS
Top Chert	7141'	7276'				Chert Natural 492 MCFGD
Top Needmore	7276'	7322'				
Top Oriskany	7322'	7455'				Oriskany Natural 170 MCFGD
Top Heldeberg	7455'	----				

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

Date Sept. 26, 1978

APPROVED D. J. Lunde

By Senior Engineer
(Title)

COMPANY Texas Eastern Corp.

STATE OF MARYLAND
 DEPARTMENT OF NATURAL RESOURCES
 ENERGY & COASTAL ZONE ADMINISTRATION
 TAWES STATE OFFICE BUILDING
 ANNAPOLIS, MARYLAND 21401

APPLICATION FOR PERMIT TO DRILL OIL OR GAS WELL

(Applications must be submitted in triplicate)

Weitzell #1 or Rush #6

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

Distance from Post Office 12,847.50'

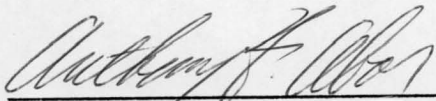
Direction from Post Office S 70° 19' 05" W

PERMIT TO DRILL WELL

NOT TO BE FILLED IN BY APPLICANT

PERMIT NO. 113

The permit is herewith granted subject to the conditions stipulated.


 Mining Administrator

Date October 13, 1977

Special conditions that may apply:

- (1) Gas storage well only.
- (2) Additional requirements attached.

Note: Survey indicates well being drilled in the Rush Unit.

APPROXIMATE DEPTH OF WELL (feet) 7400'

METHOD OF DRILLING Rotary

DEEPEST GEOLOGIC FORMATION
 WELL WILL BE DRILLED into Helderburg

DISTANCE OF WELL LOCATION
 TO NEAREST BUILDING (feet) no building
 within 1000 feet.

NUMBER OF SHIFTS PER DAY _____

LICENSED DRILLER IN CREW OF EACH SHIFT

NAME	ADDRESS
Melvin M. England	Box 214, Grantsville, Md.
Clifford Hames	Box 591, Buchannon, W.Va.
John L. Nestor	Box 205, Hamblenton, W.Va.
Ernest W. Nazelrod	Friendsville, Maryland

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 given below

sufficiently this 16 day of

Aug., 1977

Edward F. Sawson

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