

STATE OF MARYLAND
MARYLAND GEOLOGICAL SURVEY

The Johns Hopkins University
BALTIMORE, MARYLAND 21218

Permit Number 80Well Number 3Texas Eastern Transmission Corporation
CompanyCounty 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. WELL NO. 3	Size of Casting and Tubing	Used in Drilling	Left in Well	Packers: Type, Size and Depth
FORD C. MC CULLOUGH, ELEVATION: <u>1,958'</u> G.L. LEASE: <u>Ford C. McCullough</u>	13 3/8"	131'	131'	NONE
DRILLING COMMENCED: <u>8-28-66</u> DRILLING COMPLETED: <u>11-7-66</u>	9 5/8"	2,555'	2,555'	NONE
PRODUCTION: <u>Natural Gas</u>	7"	7,118'	7,118'	NONE
	2 3/8"	7,157'	7,157'	NONE
RESERVOIR PRESSURE <u>1,972</u> psig <u>16</u> hrs.				
WELL TREATMENT: (Shooting, Acidizing, Fracturing, Etc.) <u>Open Hole - Oriskany - 7,118' to 7,185' - 2,000 Gals. 10% MCA. Fractured with 30,000 Gals. gelled water and 30,000# sand.</u>				PERFORATIONS AT: <u>6,945'-6,955'</u> <u>6,967'-6,976'</u>
<u>Perforations - Oriskany - 7,061' to 7,070' - 7,000 Gals. 10% MCA. Fractured with 30,000 Gals. gelled water and 30,000# sand.</u>				<u>7,061'-7,070'</u> <u>7,108'-7,115'</u>
<u>Perforations - Chert - 6,945' to 6,955' and 6,967' to 6,976' - 2,500 Gals. 10% MCA. Fractured 30,000 Gals. gelled water and 30,000# sand.</u>				
RESERVOIR PRESSURE AFTER TREATMENT: <u>2,012 psig in 48 hrs.</u>				
RESULTS AFTER TREATMENT: <u>6,890 MCFD gas</u>				
REMARKS: <u>Gas Storage Well</u>				
	CEMENTING DATA: (Size Pipe, Depth, No. Bags, Date)			
	9-1-66 13 3/8" 48# H-40 set at 131', cmtd. w/150 sx common cement.			
	9-10-66 9 5/8" 36# J-55 set at 2,555' cmtd. w/400 sx diacel cement and 100 sx common cement.			
	10-7-66 7" 29# N-80 set at 7,118' w/stage collar at 6,336' Cemented First Stage with 315 sx Posmix cement and 90 sx Latex cement, and second stage with 1,430 sx Posmix cement, and 50 sx common cement. All casing cemented back to the surface.			
	GEOPHYSICAL LOGS (Type of Geophysical Logs Run on Well)			
	Gamma Ray - Density Log Caliper Log Temperature Log Gamma Ray - Neutron Log Cement Bond Log			

Completion Report continued on page 2

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
Tully Limestone	5,799	5,831	-	-	-	
Onondaga Limestone	6,968	6,890	-	-	-	
Huntersville Chert	6,890	7,031	6,945-55 6,967-76	- -	- -	
Needmore Shale	7,031	7,062				
Oriskany Sandstone	7,062	7,184	7,061-70 7,108-15 7,118-64			
Helderberg Limestone	7,184	T.D.				T.D. 7,185 Driller 7,191 Logger

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

Date November 15, 19 66

APPROVED J. D. Sadler

By Chief Production Clerk
(Title)

COMPANY Texas Eastern Transmission Corp.

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

APPLICATION FOR PERMIT TO DRILL OIL OR GAS WELL

(Applications must be submitted in triplicate)

FORD C. MC CULLOUGH, WELL NO. 3

OWNER Texas Eastern Transmission Corporation

STREET or R.F.D. P. O. Box 2521

POST OFFICE Houston, Texas 77001

PERMIT TO DRILL WELL

NOT TO BE FILLED IN BY APPLICANT

PERMIT NO. 80 - Eighty

The permit is herewith granted subject to the conditions stipulated.

Kenneth D. Weary
Director

Date July 22, 1966

Special conditions that may apply:

Gas Storage Well Only

Names of Drillers must be furnished prior to drilling of well

LOCATION OF WELL

COUNTY Garrett

NEAREST POST OFFICE Accident, Md.

Distance from Post Office 10, 399'

Direction from Post Office N 21° 38' 22" W

APPROXIMATE DEPTH OF WELL (feet) 6785

METHOD OF DRILLING Rotary

DEEPEST GEOLOGIC FORMATION WELL WILL BE DRILLED Oriskany

DISTANCE OF WELL LOCATION TO NEAREST BUILDING (feet) 460'

NUMBER OF SHIFTS PER DAY _____

LICENSED DRILLER IN CREW OF EACH SHIFT

NAME

ADDRESS

To be furnished 8/18/66

C. W. Names # 11 G. H. McClead, # 14

S. E. Hunter, # 12

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

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

AMENDED

APPLICATION FOR PERMIT TO DRILL OIL OR GAS WELL

(Applications must be submitted in triplicate)

FORD C. MC CULLOUGH, WELL NO. 3

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, Md.

Distance from Post Office 9927'

Direction from Post Office N 22° 18' 21" W

PERMIT TO DRILL WELL

NOT TO BE FILLED IN BY APPLICANT

PERMIT NO. 80 - Eighty

APPROXIMATE DEPTH OF WELL (feet) 6785

METHOD OF DRILLING Rotary

The permit is herewith granted subject to the conditions stipulated.

DEEPEST GEOLOGIC FORMATION WELL WILL BE DRILLED Oriskany

Kenneth D. Weaver
Director

DISTANCE OF WELL LOCATION TO NEAREST BUILDING (feet) 800

Date September 20, 1966

NUMBER OF SHIFTS PER DAY Three

Special conditions that may apply:

Gas Storage Well Only

LICENSED DRILLER IN CREW OF EACH SHIFT
NAME ADDRESS

G. H. McClead, Permit #14

S. E. Hunter, Permit #12

C. W. Hames, Permit #11

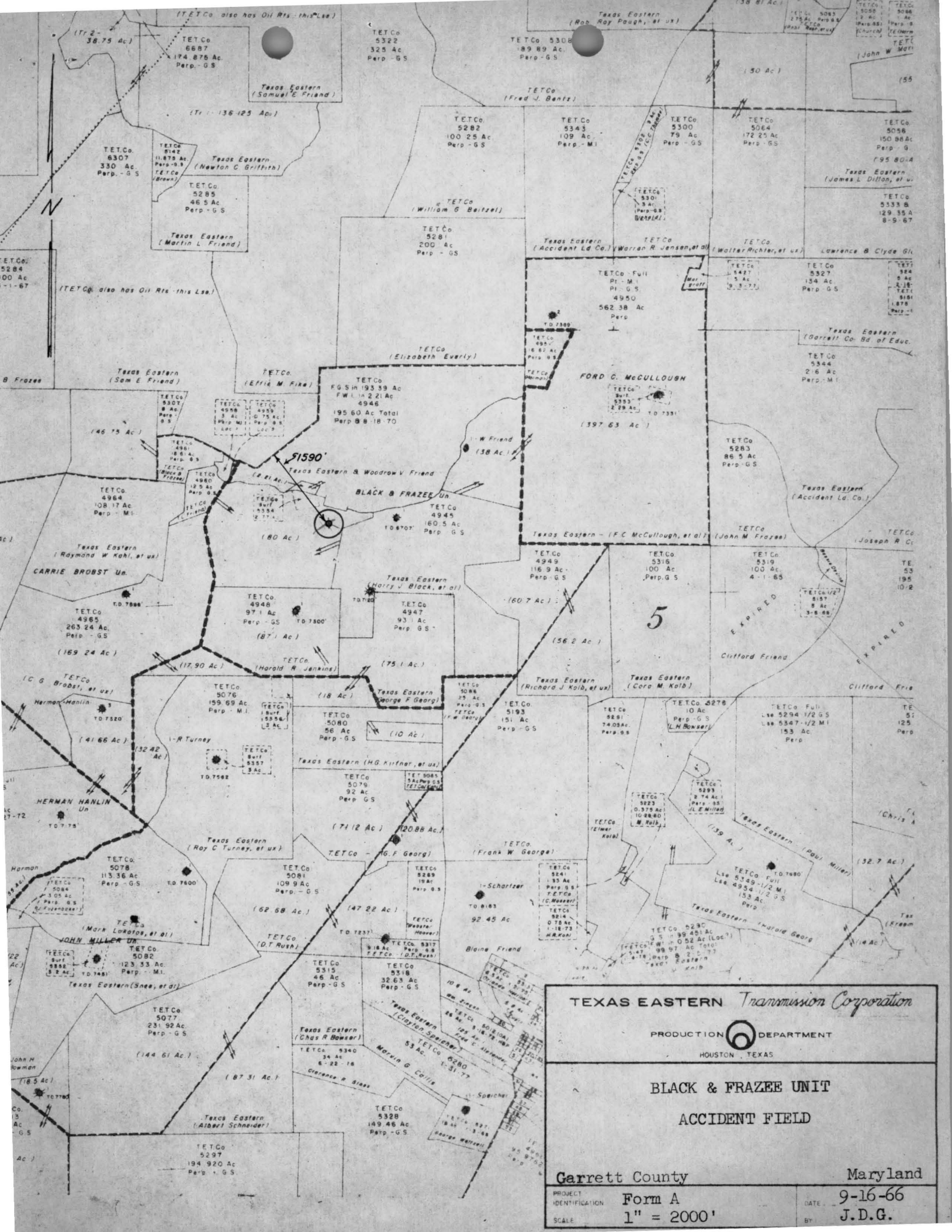
These names may be supplied later but before drilling begins

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



TEXAS EASTERN *Transmission Corporation*
 PRODUCTION DEPARTMENT
 HOUSTON, TEXAS

BLACK & FRAZEE UNIT
ACCIDENT FIELD

Garrett County Maryland

PROJECT IDENTIFICATION Form A
 SCALE 1" = 2000'
 DATE 9-16-66
 BY J.D.G.