Page 1

State of Maryland
I artment of Natural Resour
Energy & Coastal Zone Administration
Tawes State Office Building
Annapolis, Maryland 21401

Permit Numbe	r 104
Well Number	4
Company Tex	as Eastern
Transmis County Gar	sion Corp.

COMPLETION REPORT

(oil or gas well)

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

WELL DESCRIPTION -	KIND OF WI	ELL:Ga	s Storage	
			(Oil, G	as, Other)
NAME & WELL NO. McCullough #4	Size of Casting and Tubing	Used in Drilling	Left in Well	Packers: Type, Size and Depth
ELEVATION: 2,161 GR LEASE:	13 3/8"	408'	408'	
DRILLING COMMENCED: 5-15-76 COMPLETED: 6-30-76	9 5/8"	3,044'	3,044'	
PRODUCTION: Gas Storage	7"	7,117'	7,117'	
	2 3/8"		7,097'	
RESERVOIR PRESSURE psig hrs.				
WELL TREATMENT: (Shooting, Acidizing, Fracturing, Etc.)				PERFORATIONS AT:
Acidized with 30,000 gallons 15% HCL with				
citric acid and FE additives.				
	CEMENTIN	NG DATA: (S	lize Pipe, Dept	h, No. Bags, Date)
	13 3/8" @	408' with	150 sx Thi	xotropic and
	160 sx com	mon, 9 5/8	" @ 3,044'	with
	Halliburto	n Lite and	200 sx co	ommon, 7" @ 7,117
RESERVOIR PRESSURE AFTER TREATMENT:				sx 50-50 POZ &
	50 sx latex, second stage thru DV tool @			
	6,067' wit	h 1,126 sx	25-75 POZ	2 and 50 sx Latex
RESULTS AFTER TREATMENT: 4,200 MCF/D				
*				
REMARKS:	GEOPHYSI	CAL LOGS	(Type of G Run on W	eophysical Logs
	Compensat	ed Formati	on Density	and Temperature

MARYLAND GEOLOGICAL SULEY

The Johns Hopkins University BALTIMORE, MARYLAND 21218

GEOLOGICAL LOG

FORMATION	ТОР	воттом	GAS AT	OIL AT	WATER AT (Fresh or Salt Water)	REMARKS
Tully Limestone Onondaga Limestone Huntersville Chert Needmore Shale Oriskany Sandstone Helderberg Limestone Total Depth	6,142 6,947 6,962 7,085 7,122 7,242	6,170 6,962 7,085 7,122 7,242	7120-60			
	A.C.C			15.0	217	

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

Date	8/19, 1976
APPROVED 2	Vaughan
By Man	yn-Berry + Stel
COMPANY -	Eastern

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)	McCullough #4	
OWNER Texas Eastern Transmission Corp. STREET or R.F.D. 1515 Four Gateway Center	LOCATION OF WELL COUNTY Garrett	
PERMIT TO DRILL WELL NOT TO BE FILLED IN BY APPLICANT PERMIT NO	NEAREST POST OFFICE Accident, Maryland Distance from Post Office 9,917.38'	
	Direction from Post Office S 29007'56" E to NE Corner of Post Office	
	DEEPEST GEOLOGIC FORMATION WELL WILL BE DRILLED into definite Helderbe DISTANCE OF WELL LOCATION TO NEAREST BUILDING (feet) buildings within 1400' of well site	
Special conditions that may apply: GAS STORAGE WELL ONLY. NAMES OF DRILLERS MUST BE FURNISHED PRIOR TO DRILLING OF WELL.	NUMBER OF SHIFTS PER DAY LICENSED DRILLER IN CREW OF EACH SHIFT NAME ADDRESS	
SEE ADDITIONAL REQUIREMENTS ATTACHED.	Clifford Hames, Ticknee # 122 Wm. Kelly, Gr. "# 120 John J. Shaham "# 121 Melvin England 1 # 123 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