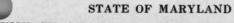
DEPARTMENT OF GEOLOGY, MINES AND WATER RESOURCES

The Johns Hopkins University BALTIMORE 18, MARYLAND

WELL COMPLETION REPORT JOHN H. BOWMAN, WELL NO. 1

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

ELEVATIONS:	ri musi ve s	submitted within <u>30 days</u>	s after com	pietion of the	te weit
Ground Level: 2380' Kelly Bushing: 2396'	ESCRIPTION			Permit Number51	
WELL LOG State the kind of formations penetrated, their depth, their thickness, and if water-bearing		CASING AND SCREEN RECORD State the kind and size of casing, liner, shoe, screen, and other accessories (if no casing used, give diameter of well)			Name of OwnerTexas Eastern Transmission Corporation
	FEET		DIAM.	FEET	PUMPING TEST
TOTAL DEDTH.	7780'		(inches)	fromto	Hours Pumped
TOTAL DEPTH:	//00	CONDUCTOR: 48# H-40 ST & C	13 3/8"	0-73'	Type of Pump Used
DRILLING INFORMATION:		Cemented to surface			Pumping Rate
Drilled 17 1/2" Hole - Air	0-73'	with 100 sx. common		Gallons per Minute	
Drilled 12 1/4" Hole - Foam	73- to	cement with 3% Cac			WATER LEVEL
	2000'				Distance from land surface to
Drilled 8 3/4" Hole - Air	2000' to	SURFACE:	9 5/8"	0-1996'	water:
	7375'	36# J-55 ST & C			Before PumpingFt.
Drilled 8 3/4" Hole - Mud	7375' to	Halliburton Guide		- SANA	
D. (11-1 6 1 /0!! 17 1	7565'	Shoe at 1994'		A THE	When PumpingFt.
Drilled 6 1/8" Hole - Foam	7565' to 7780'	Halliburton Float			APPEARANCE OF WATER
	//00	Collar at 1962' Halliburton Casing			
GEOLOGICAL INFORMATION:		Centralizers - 6			Clear
Top Tully	6228'	Cemented to surface	2		Cloudy
Top 1st Onondaga Limestone	7100'	with 288 sx. Diace			Taste
Top 2nd Onondaga Limestone	7120'	Cement and 200 sx.			Odor
Top 1st Huntersville Chert	7156'	common cement.			
Top 2nd Huntersville Chert	7233'				Height of Casing Above Land
Top 3rd Huntersville Chert	7364'	PRODUCTION:	7"	0-7566'	SurfaceFt.
Top Needmore Shale	7503'	29# N-80 LT & C			Surface
Top 1st Oriskany Sandstone	7557'	Halliburton Float			PUMP INSTALLED
Top 2nd Oriskany Sandstone	7575'	Shoe at 7564'			
Top Helderberg Limestone	7690'	Halliburton Float			Type
Faults: 50' @	6900'	Collar at 7529'			Capacity
50' @	7028'	Halliburton Stage			Gallons per Minute
20' @ 80' @	7119' 7233'	Collar at 6697' Halliburton Casing			Gallons per Hour
130' @	7362'	centralizers - 13			
18' @	7574'	Cemented through			Pump Column LengthFt.
		shoe with 175 sx.			REMARKS
GAS FLOW RATE TESTS:		common cement.			
Huntersville Chert: 660		(Last 60 sx. with			
MCFD - Natural; 1422 MCFD-		Latex). Cemented			
after treatment		from Stage Collar			
Oriskany Sandstone: 1222		to surface with			
MCFD - Natural; 628 MCFD-		657 sx. Diacel			
after treatments.		Cement followed			
		by 100 sx. common			
	- 3.4	cement.		1 1 1 1 1 1 1	
	7 3 3 3 1				Well Was Completed
					Date November 19, 1965
					Welh Driller
				100	V. D. Fader
					J. D. Gaden Signature
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DEPARTMENT OF GEOLOGY, MINES AND WATER RESOURCES

The Johns Hopkins University BALTIMORE 18, MARYLAND

WELL COMPLETION REPORT JOHN H. BOWMAN, WELL NO. 1

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

	Permit Number 51				
WELL LOG State the kind of formations penetrated, their depth, their thickness, and if water-bearing		CASING AND SCREEN RECORD State the kind and size of casing, liner, shoe, screen, and other accessories (if no casing used, give diameter of well)			Name of OwnerTexas Easter Transmission Corporation
COMPLETION INFORMATION: Priskany Sandstone: Out 7565' to 7685' Temporarily Abandoned with ridge Plug Set in 7" Casing at 7540'.) Contensive the Triangle Chert: Perfs. Out 7,246' TREATMENTS - ORISKANY: Out 3000 Gal. 10% MCA with a BPM at 3000 Psi. Out 20,000 Gal. 10% HCL with a BPM at 2650 psi. Out 20,000 Gal. 5% HCL with a BPM at 3400 psi. Out 40 Mesh sand. Treated with a BPM at 3400 psi. Out 5000 Gals. water with a BPM at 3650 psi. Out 5000 Gals. Water with a BPM at 2650 psi. TREATMENT - CHERT: Out 5000 Gals. 10% MCA with a BPM at 1700 psi. Out 5000 Gals. 10% MCA with a BPM at 1700 psi. Out 5000 Gals. 10% MCA with a BPM at 1700 psi. Out 5000 Gals. 1700 psi.		TUBING: 4.7 J-55 EUE Bull Plug on bottom wit 6' perforated sub and P.S.I. landing nipple above. Bul Plug well tubed to 7218' P.S.I nipple @ 7210'.	1	FEET fromto 0-7218'	PUMPING TEST Hours Pumped Type of Pump Used Pumping Rate Gallons per Minute WATER LEVEL Distance from land surface to water: Before Pumping Ft. When Pumping Ft. APPEARANCE OF WATER Clear Cloudy Taste Odor Height of Casing Above Land Surface Ft. PUMP INSTALLED Type Capacity Gallons per Minute Gallons per Hour Pump Column Length Ft. REMARKS Well Was Completed Date November 19, 1965 Well Driller J. D. Gaden Signature

Form A

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

APPLICATION FOR PERMIT T	O DRILL OIL OR GAS WELL				
(Applications must be submitted in tripli	cate)				
	JOHN H. BOWMAN, WELL #1				
	1				
	LOCATION OF WELL				
STREET or R.F.D. P. O. BOX 2521	COUNTY GARRETT				
POST OFFICE HOUSTON, TEXAS 77001	'NEAREST POST OFFICE ACCIDENT, MARYLAND				
	Distance from Post Office 8,985'				
PERMIT TO DRILL WELL	Direction from Post Office S 84° 14' 36" W				
NOT TO BE FILLED IN BY APPLICANT	APPROXIMATE DEPTH OF WELL (feet) 7800				
PERMIT NO. 51 (Fifty-one)	METHOD OF DRILLING ROTARY				
The permit is herewith granted subject to the conditions stipulated.	DEEPEST GEOLOGIC FORMATION WELL WILL BE DRILLED ORISKANY				
Gennell M. Weave_ Director	DISTANCE OF WELL LOCATION TO NEAREST BUILDING (feet) 2270				
Date May 28, 1965					
Special conditions that may apply: "Gas storage well only" Names of Drillers must be furnished prior to drilling	NUMBER OF SHIFTS PER DAY LICENSED DRILLER IN CREW OF EACH SHIFT NAME ADDRESS TO BE FURNISHED				
The names and past of fice addresses of th	These names may be supplied later but before drilling begins				

SEE ATTACHED LIST

NOTE

the plat or map accompanying the application are to be given below.

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

