NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS													
Poo!	Basin Dake	ta		Fo	rmation	Deltoti	<u> </u>		County	ien Am	<u>n</u>		
Ini	nitial_XAnnual			al	Special				Date of	Te st	June	18, 1962	
Company Tenneco Oil Company Lease Cornell Gas Unit "D" Well No. 1													
Unit O Sec. /2 Twp. 29N Rge. /2W Purchaser													
Casing Wt. I.D. Set at Perf. To													
Tubing 2-3/8 Wt. I.D. Set at 6237 Perf. To													
Gas Pay: From To L xG 0.65 -GL Bar.Press. 12.0													
Producing Thru: Casing Tubing X Type Well Single Gas Single-Bradenhead-G. G. or G.O. Dual													
Date of Completion: Packer Reservoir Temp. 180													
OBSERVED DATA													
Tested Through (Trover) (Choke) (Meter) Type Taps													
		T	low Da	<u> </u>	Tubing			o Data	Data Casing Data				
	(Prover)	(Cho	oke)	Press.	Diff.	Temp.		Temp.		Тетр.		Duration of Flow	
No.	(Line) Size			psig	h _w	°F.	psig			I		Hr.	
SI							2031		2022	2022		7 Days	
1.		3/4					452	84	977		_3	Hours	
2.									 	 			
3.					Ļ	<u></u>							
4.		ļ						_ 	_	 	-		
5.		L			L					<u></u>	<u> </u>		
-	O CC: -:					FLOW CAL			Compre	99.	Rate	of Flow	
No.	Coefficient			Pressure		Flow Temp. Factor		Factor		Factor		Q-MCFPD	
NO.	(24-Hou	ır) $\sqrt{h_{\mathbf{W}}^{\mathbf{I}}}$		0.0	psia	Ft		Fg		F _{pv}		@ 15.025 psia	
	· · · · · · · · · · · · · · · · · · ·	, VWI		, T	64			2 0600					
1.	12,3650			- *		0.9777		0.9608	1.046	1.040		5.601	
2. 3.													
4.				~									
4. 5.													
PRESSURE CALCULATIONS													
	Liquid Hydro					cf/bbl.		Spec	cific Gravi	ty Sepa	arato vino	r Gas	
Gravity of Liquid Hydrocarbons deg. Specific Gravity Flowing Fluid P. 2049 PC 4198401													
F _C (1-e ^{-s})													
_													
	$P_{\mathbf{w}}$,	, T		,		2	- ^	_2 _2		_,	Б	
No.		P	$\tilde{\mathfrak{t}} \mid F$	cQ	$(F_cQ)^2$	(F	$\left(\frac{1}{1-e^{-s}}\right)^2$	$P_{\mathbf{w}}^2$	$P_c^2 - P_w^2$	Ca	al.	P _w P _c	
 _	Pt (psia)					- ',		976121	3220280		P _w P _c		
1. 2.	303							Alorst	Seaveou				
3.		<u> </u>						····					
3. 4. 5.													
5.													
Absolute Potential: 6834 MCFPD; n 0.75 (1.2202)													
COMPANY TENNECO GIL COMPANY													
ADDRESS BOY 1914, TURYAN 69, COLD.													
	NT and TITLE	·	la	<u>-</u>	- ace	AD157	, ENGR			11 11 0		***	
WITNESSED JULG 1962												~ 	

REMARKS

INSTRUCTIONS

This form is to be used for reporting multi-point back pressure tests on gas wells in the State, except those on which special orders are applicable. Three copies of this form and the back pressure curve shall be filed with the Commission at Box 871, Santa Fe.

The log log paper used for plotting the back pressure curve shall be of at least three inch cycles.

NOMENCLATURE

- Q = Actual rate of flow at end of flow period at W. H. working pressure (Pw). MCF/da. @ 15.025 psia and 600 F.
- P_c 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- Pw Static wellhead working pressure as determined at the end of flow period. (Casing if flowing thru tubing, tubing if flowing thru casing.) psia
- Pt Flowing wellhead pressure (tubing if flowing through tubing, casing if flowing through casing.) psia
- Pf Meter pressure, psia.
- hw Differential meter pressure, inches water.
- F_g : Gravity correction factor.
- F_t Flowing temperature correction factor.
- F_{pv} Supercompressability factor.
- n I Slope of back pressure curve.

Note: If $P_{\rm W}$ cannot be taken because of manner of completion or condition of well, then $P_{\rm W}$ must be calculated by adding the pressure drop due to friction within the flow string to $P_{\rm t}$.