## NEW MEXICO OIL CONSERVATION COMMISSION

File 7-523 OFP

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Form C-122
Revised 12-1-55

Pao	ol Basin Dakota Formation Dakota								County San Juan				
Ini	tial X Annual				Special				Date of	Test10-24-62			
Company Tenneco Cil Company			LeaseCorne						1				
Unit N Sec. 12 Twp. 29 Rge. 12 Purchaser													
Cas	ing 4.5 W	/t	I	.D	Se	et atPerf <b>63</b> 3			В то 6446				
Tubing 2-3/8 Wt. I.D. Set at 6303 Perf. To													
Gas Pay: From To L xG -GL 0.65 Bar. Press. 12.0													
Prod	Producing Thru: Casing Tubing X Type Well Single Ges  Single-Bradenhead-G. G. or G.O. Dual												
Date	Date of Completion: Packer Reservoir Temp. 171												
	OBSERVED DATA												
Tested Through (Choke) (Choke)													
Flow Data			at.a			Tubing Data		Casing Data					
	(Prover)				. Diff.	Temp.		. Temp.	Press.		1	Duration	
No.		(Ori	fice)			o <sub>F</sub> .	psig	o <sub>F</sub> .	psig	op.		of Flow Hr.	
SI		<del> </del>		1 7 7 8	w		2085		2087	<u> </u>	<del> </del>		
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4.				<del>                                     </del>	1			1					
5.		1											
	FLOW CALCULATIONS												
_	Coefficient						Temp. Gravity		Compress.		Rate of Flow		
No.	(0) " \   /-							Factor	Factor		Q-MCFPD		
			$\sqrt{N_{W}}$	p <sub>f</sub> psia			ft	Fg	F <sub>pv</sub>		@ 15.025 psia		
1.	12.3650				402	0.97	59	0.9608	1.035		4455		
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5.	······································		<u> </u>										
PRESSURE CALCULATIONS  Gas Liquid Hydrocarbon Ratiocf/bbl. Specific Gravity Separator Gas  Gravity of Liquid Hydrocarbons deg. Specific Gravity Flowing Fluid													
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1	$P_{\mathbf{W}}$	Γ		1									
No.	- W	Pi	2 F	Q	$(F_cQ)^2$	! (1	$(cQ)^2$	$P_{\mathbf{w}}2$	$P_c^2 - P_w^2$	Ca	al.	$\frac{P_{\mathbf{w}}}{P_{\mathbf{c}}}$	
	Pt (psia)	<b>,</b>	<b>`</b>   '	`	- <del></del>	(:	r-e_2)			] I	P	Pc	
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5.									1			<del> </del>	
Absolute Potential: 5587 MCFPD; n 0.75 (1.1586)													
COMPANY TEMBECO OIL COMPANY													
ADDRESS P. O DOK 1714, DURANGO, COLORADO													
	NT and TITLE			1	acra	DIS	RICT PE	Troleum e	WINEEL O	1111	LLL	<del>\</del>	
WITNESSED													
COM	PANY				V		MA DEC			104.8	1962		
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## 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.
- $h_{\mathbf{W}}^{-}$  Differential meter pressure, inches water.
- Fg Gravity correction factor.
- $F_t$  Flowing temperature correction factor.
- Fpv Supercompressability factor.
- n I Slope of back pressure curve.

Note: If  $P_w$  cannot be taken because of manner of completion or condition of well, then  $P_w$  must be calculated by adding the pressure drop due to friction within the flow string to  $P_t$ .