## MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Form C-122 Revised 12-1-55

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Initial XXX Annual						Special					Date of	Test_	8-19-59		
			E	" P /V C=											
Company Feelfie Northwest Pipeline Lease San Juan 27-5 Well No. 15-16  Unit Sec. 16 Twp 27N Rge. 5W Purchaser Not Connected															
										-			330	)2	
Casing 7 5/8 Wt. 24# I.D. 6.8 Set at 3305 Perf. 3282 To 3302  Tubing 1 Wt. 2.4 I.D. 1.38 Set at 3180 Perf. 3177 To 3180															
Gas Pay: From 3282 To 3302 L xG .650 -GL Bar.Press. 12															
Producing Thru: Casing Tubing 1 XXX Type Well Dual-G.G.															
									S	ingle_Bra	denhead-G. voir Temp.	G Om	CO	Dual	
									ED DAT						
Tes	ted T	hroug	h <u>(*</u>	revent)	(Chok	e) <b>f</b>	ecex.	<b>k</b>			Туре Та	ps			
	(P	rover.	17	Flow Choke)	Data		Dice		Tubi	ng Data s. Temp	Casing	Data	T -		
No.	()	Line) Size	´   (ò	rifice	) ps:	1		o <sub>F</sub> .	İ	Ì		- 1	1	Duration of Flow	
SI			_	DIZE			<sup>11</sup> W	r.	1053	g <sup>o</sup> f.	psig 1053	F.	<del> </del>	Hr.	
1. 2.			-	3/4	12	2		48e	142			1	‡_	3 Hours	
<b>3.</b>															
4. 5.		<del></del> -						ļ	<b> </b>	<del> </del>			ļ		
			<del>- L</del>		<del></del>								<u></u>	<del></del>	
	Co	effic	ient			Pres		FLOW CAL			y Compr	ess.	Rate	of Flow	
No.				psia Fac			tor Factor		r   Fact	Factor					
1.	12.3650			A MLI				1.0117		-9608	<del></del>	1.016		1881	
1. 2. 3.															
4. 5.															
5.															
				oon Rat				ESSURE C			cific Grav	ity Sepa	arator	· Gas	
ravity of Liquid Hydrocarbons deg. Specific Gravity Flowing									ving F	'luid					
c			-			<del></del>					1065	rc	134.2		
No.	P <sub>w</sub> Pt (	psia)		Pt Pt	F <sub>c</sub> Q	(1	r <sub>c</sub> Q) <sup>2</sup>	(F)	$\begin{pmatrix} c^{Q} \end{pmatrix}^2 \\ -e^{-s} \end{pmatrix}$	958 <sub>Pw2</sub>	$P_c^2 - P_w^2$	li .	al.	P <sub>w</sub> P <sub>c</sub>	
2.										917.8	216.4			5.24	
3.	<del></del>		ļ			1									
5.						<del> </del>						+			
	lute				688			MCFPD;	n	85/4.08	71	<del></del>			
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AGEN	T and	TITL	EC	R.	Wagne	r -	Well	Test	ingine	er				_	
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El Paso Natural Gas Company gave O.K. to Test															
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		•					Per Section 2 No. 100 cm.	THE MARK SHIP			- prosecution	es ou la filla de.			

## 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 I Actual rate of flow at end of flow period at W. H. working pressure ( $P_{\rm W}$ ). MCF/da. @ 15.025 psia and 60° F.
- $P_c$  72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- $P_{w}$  Static wellhead working pressure as determined at the end of flow period. (Casing if flowing thru tubing, tubing if flowing thru casing.) psia
- $P_{t}$  Flowing wellhead pressure (tubing if flowing through tubing, casing if flowing through casing.) psia
- $P_f$  Meter pressure, psia.
- hw Differential meter pressure, inches water.
- Fg Gravity correction factor.
- Ft 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  $P_{\rm t}$ .

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