## MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Poo!	l BAS	SIN		Formation		DAKU <b>TA</b>		_County		n Juan		
Ini	ial XX Annu		Annual		Spec	;ial		_Date of	Test <u>j</u>	amary 7, 196	52_	
Company Southern Union Production					O. Lease ZACHRY			Well No		18		
Unit M Sec. 11 Twp. 28-N Rge. 10-W Purchaser Southern Union Gas Co.												
Cas:	ing <u>k-1/2</u> W	t. <u>10.</u>	I.D	<u>h.052</u> Se	t at	5 <u>11:5</u> Per	rf	6230	To	6/12		
Tubing 2-3/8 Wt. 4-7			I.D	1.995 Se	t at	at 6312 Perf.		6300	_To6312			
Gas Pay: From 6230 To 6112 L 6300 xG 730 GL Bar. Press. 12.0												
	Producing Thru: Casing Tubing XX Type Well Single - Gas Single-Bradenhead-G. G. or G.O. Dual											
Single-Bradenhead-G. G. or G.O. Dual Date of Completion: Dec. 27, 196Packer Reservoir Temp.												
						ED DATA	<del></del> -	• -				
No.	(Prover)		ow Data e) Pres	ss. Diff.	'Temp.		Temp.	Press.	Temp.	Duration of Flow Hr.		
		(Orifi Siz	ce)									
SI			- P02	-0 -7W		1921		1926	<del></del>	7 days		
1.		3/1		1	92	187		1008		-3 lues		
2.												
3.		<del> </del>		<del></del>					<del> </del>			
4. 5.								<del></del>	<del> </del>			
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	Coeffici	Coefficient Pressure Flow Temp						Gravity Compress. Rate of Flow				
No.	ODETITOL		į	Factor		<b>Factor</b>	Factor		Q-MCFPD @ 15.025 psia			
	(24-Hou	(24-Hour) √ h <sub>w</sub>				psia					$\mathbf{F}_{\mathbf{g}}$	
1.	12,3650			1,93	9706		9066	1.055		5659		
1. 2. 3. 4.												
<del>3</del> .					<del></del>				+	··· <u>·</u> ····		
5.												
						ALCUI <b>ATI</b> O						
	Liquid Hydro				c:/bbl.					rator Gas		
ravity of Liquid Hydrocarbons (1-e-E				deg.			Specific Gravity Flowing Fluid Pc 1938 Pc 3755.3					
c			(		······································		- c	17.10	C	262240		
No.	P <sub>w</sub>	$P_{\mathbf{t}}^2$	F <sub>c</sub> Q	$(F_cQ)^2$	(F	cQ) <sup>2</sup> -e <sup>-s</sup> )	$P_w^2$ $P_c^2 - P_w^2$		ı	P <sub>w</sub>	,	
1.	16 (psia)		<del> </del>	+	<del></del>		1060-6	2715.4	<del></del>	526		
1. 2. 3. 4.												
<del>3.</del> 1			<del>                                     </del>	<del></del>					<del></del>	<del>  </del>		
<del>4.</del>			<del> </del>	<del> </del>					<del> </del>			
Abso	olute Potent	ial:	7217		MCFPD;	n75		<del></del>		<del> </del>	<del></del>	
COMPANY Southern Union Production Company ADDRESS P. O. Box 208 - Farmington, New Mexico												
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					UDM	ษากรก		1	$U_{I,a}$	in the		

## 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  $\equiv$  Actual rate of flow at end of flow period at W. H. working pressure (P<sub>W</sub>). MCF/da. @ 15.025 psia and 60° F.
- $P_c$  72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- PwT 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
- $P_{f}$  Meter pressure, psia.
- hw= 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  $P_{+}$ .