MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

	LOI	, IM	7-J	
Revis	ed	12	-1-	55

Pool	BASIN DA	KOTA		Fo	rmation	D/	KOTA	<u>.</u>	County SAN JUAN				
	al XX												
ompa	ny <b>Southern</b>	UNION	PRODU	GTION	Co.	Lease	NAVAJO	MDIAN	We	Ll No	6		
											As COMPANY		
	ig 5-1/2 W												
ubir	ig 1-1/2 w	it. 2.	<u>90</u> 1.	D. 1.	610 Se	t at	<b>6379</b> P	erf6	369	_To	6379		
as F	ay: From_	6281	_To	6538	_L(	6369	xG .73	5GL_	4681	Bar.Pr	ess. 12.0		
rodu	cing Thru:	Cas	ing		Tu	bing	α	Type V	Vell DUAL	GA8	G O Prol		
ate	of Complet	ion:	10/2/6	4	Packe	r 605	) )	ngle-Brac Reserv	voir Temp.	G. OF	G.O. Dual		
'e <b>s</b> te	ed Through	(Prov	<u>er) ((</u>	Choke)	(Meter)		VED DATA		Туре Та	ps			
		F	'low Da	ata				g Data	Casing	Data	1		
No.	(Prover) (Line)				Diff.	Temp.	1	Temp.					
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3.	<u></u>	1					<del> </del>	+					
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						FLOW CA	LCULATIO	ONS					
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No.	$(24-Hour)$ $\sqrt{h_{\mathbf{w}}p_{\mathbf{f}}}$			_   Fac		Ft	Facto	Fpv		€ 15.025 psia			
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5.			l				1						
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No •	P <sub>w</sub>	Pí	t F <sub>c</sub> Q		(F <sub>c</sub> Q) <sup>2</sup>	(1-e <sup>-8</sup> )	P <sub>w</sub> 2			Cal. Pw Pw Pc			
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3. 4.													
4. 5.													
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COMP	ANY						DUCTION	NEW MEX	60	1			
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WITN	ESSED				AN MOAM		e COMPAN		ERNE ROCKH	OCT 3	9 1964		
COMP						R.	EMARKS	• •		91 63	ON. COM.		
	(1) PAU (1) EL	IL GLOT Page N . H, L.	E ATURAL	GAS C	COMPANYS Box 990	PRORATI	ON DEPT.	, P.O.Bo	x 1492, EL		81.9		

## 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  $\square$  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
- Pf 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  $P_{+}$ .