## Revised 12-1-55

## MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool	Busin D		Formation Dakota				County Rio Arriba				
Init	ial	<del></del>	_Annual		Spec	ial		Date of 5	Test_Peb	ruery 7, 1961	
Comp	any Pan Am	erican :	etroleum	Corp.	_Lease	icarilla	Contrac	t 146 Well	L No	10	
Unit		Sec.	_Twp	25-N I	Rge	Purc	haser				
Casi	ng 4-1/2 J	Wt. 9.5	I.D	4.090	Set at	<b>9</b> Pe	rf	7247	ro <b>7</b>	1.97	
Tubi	.ng <b>2-3/8</b> V	Nt. 4.7	I.D	1.995 s	Set at	<b>20</b> Pe	rf	Open en	ied [o		
	Pay: From										
Prod	ucing Thru	: Casi	ng	T	Tubing	X	Type We	ell	gle gas		
Date	of Complet	cion:	1-30-61	Pack	cerNon	Sin	gle-Brade Reserve	enhead-G. G oir Temp	125° F	O. Dual	
				<del></del> -		ED DATA					
Test	ed Through	(1.010	(Choke	) (# <b>355</b> 7	<u> </u>			Type Taps	S		
			ow Data	D: 00		Tubing		Casing Da			
No.	(Line)	(Chok		Diff	1		Temp.		Temp.	Duration of Flow	
	Size	Siz	`	y h <sub>w</sub>	° <sub>F</sub> .		°F.	psig	<sup>⊃</sup> F•	Hr.	
SI l.	Shut in	7 days		<del> </del>	60 (est.	2006	60 (est	2006		3 hre.	
2.											
3 <b>.</b>		<u> </u>			-					· · · · · · · · · · · · · · · · · · ·	
5.											
					FLOW CAL	CULATION	S				
Vo.	Coefficient (24-Hour) $\sqrt{1}$		h <sub>w</sub> p <sub>f</sub>	ressure psia	re Flow Temp. Factor		Gravity Factor		·   G	Rate of Flow Q-MCFPD @ 15.025 psia	
l.	12,365		/ -WFI	290	* }					3,433	
2 <b>.</b> 3.					Ţ						
ļ. <b>.</b>								<del></del>			
5.											
	iquid Hydro Ly of Liqui				RESSURE CA _ cf/bbl. deg.	ALCUI <b>ATI</b> (	Speci	fic Gravit			
	1		(1-e <sup>-s</sup> )				P <sub>c</sub>	2,018	P <sub>c</sub> 4.07	2,324	
10.	P <sub>w</sub>	$P_{\mathbf{t}}^{2}$	F <sub>c</sub> Q	(F <sub>c</sub> Q)	2 (F <sub>0</sub>	Q) <sup>2</sup> -e-s)	P <sub>w</sub> 2	$P_c^2 - P_w^2$	Cal.	P <sub>W</sub> P <sub>C</sub>	
;•							335,649	2,733,675	<u>W_</u>		
										<del> </del>	
bsol COMPA DDRE	Lute Potent ANY Pan ESS Dox Cand TITLE ESSED	America 480, Pa		New Man	dee			Baue-	· }_		
OMPA					REMA	RKS		RILL			

## 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 ( $P_{\rm W}$ ). MCF/da. @ 15.025 psia and 60° F.
- $P_c$  72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- 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<sub>pv</sub> 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  $P_{\rm t}$ .