## MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised	12-1-55
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						Special						
	Company Pan American Petroleum Corp.											
Unit I Sec. 30 Twp. 26H Rge. 30 Purchaser El Paso Hatural Gas Company												
	ng k-5 W							rf <b>7</b>	100			
								Acres and a second a second and	and the state of			
Tubing 2-3/6 Wt. 4-7 I.D. 1.995 Set at 7078 Perf. To  Gas Pay: From 7100 To 7110 L 7078 xG.700(est) -GL 4955 Bar.Press. 12												
Producing Thru: Casing Tubing Type Well Single ges  Single-Bradenhead-G. G. or G.O. Dual												
Date	e of Complet	ion:	Nuy 20	. 196	Packer	6	Sin,	gle-Brade Reservo	nhead-G.	G. or	G.O.	Dual
Dave	Date of Completion: 1961 Packer 6949 Reservoir Temp. 113											
OBSERVED DATA  Tested Through (Choke) (Motor)  Type Taps												
Test	ed Through				(Merseyn)	•			Type Tap			
<b>-</b> T	(Prover) (Line)	F1 (Chok	ow Data ce) Pr	ess.	Diff.	Temp.	Tubing Press.	Data Temp.	Casing I	Temp.	1	Duration
No.	(Line) Size	(distance)	e p	sig	h <sub>w</sub>	o <sub>F</sub> .	psig	o <sub>F</sub> .	psig	Þ.		of Flow Hr.
SI	11 days	<u> </u>					2331		eaker			
1.	2*	3/		rost			253	60(est)		<del> </del>	-	Hre.
2. 3.											1	
4. 5.						<del></del>					1	
						TOW CAT	CULATION	ς				
	Coeffici	ent	·	Pre		Flow	Temp.	Gravity				of Flow
No.	(24-Hou	$-\sqrt{h_{\mathbf{w}}p_{\mathbf{f}}}$		psia Factor Ft			Factor F <sub>g</sub>	Factor Fpv	Factor Fpv		@ 15.025 psia	
1.	12.355		196		1.0		·	• 9258	1.023		2295	
1. 2. 3. 4.			·	<u> </u>								<u> </u>
4.												
<u> </u>	······································			<u> </u>		<del></del> -						<u>,                                     </u>
					PRI	ESSURE C	ALCUTATI	ONS				
	iquid Hydro ty of Liqui		_			cf/bbl. deg.			fic Gravi fic Gravi			
Fc			(1-e	-s)_	<b>.</b> X.	J deg.		Pc			5,489	649
No.	$P_{\mathbf{w}}$	$P_{\mathrm{t}}^{2}$	F <sub>c</sub> Q		$(F_cQ)^2$	( F	$(cQ)^2$	$P_{\mathbf{w}}^2$	$P_c^2 - P_w^2$	C	al.	P.,
	Pt (psia)	70.225		<b>.</b>	65.567	) (T	-e <sup>-s</sup> )	211,292			Pw	Pw Pc
1. 2.	209	104663	5447		107.101		6,001	2449674	5,278,3	51 451		
3. 4.		<del></del> _		_						<del> </del> -		
5.												
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	ESS B	H 450,	No.	ton,	NOV 15	Ties						
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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 I Actual rate of flow at end of flow period at W. H. working pressure  $(P_w)$ . 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.
- $F_g$ : 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  $P_{t}$ .