## MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS Revised 12-1-55

Po	ool Basin	Dakote	1	F	ormatio	n Daleo	ta		County_	Sen Jr		
In	nitial X		Ann	ual		Spe	cial		Date of	Test 1	home G 1062	
Initial Annual Special Date of Test 4 9, 1962  Company Fan American Petrolem Corporation ase Sect Gas Unit Well No. 1												
Un	it A	Sec.	1 T	WD. 30		ge. 12%	D <sub>1</sub>	mohacom		TT 1900		
Casing 4 1/2*Wt. 10.5 I.D. 4.052 Set at 6.907 Perf. 6712-18 To 67.6-52												
Tubing 2 3/8 Wt. 4.7 I.D. 1,995 Set at 6.776 Perf. To												
Gas Pay: From 6746 To 6752 L 6732 xG .700 (est )GL 1712 Bar. Press. 12												
Producing Thru: Casing Tubing Type Well Single  Date of Completion: Ame 1. 1962 Packer  Date of Completion: Ame 1. 1962 Packer												
Date of Completion:												
							ED DAT		·· <del>·</del> • •			
Tes	sted Through		KEEK) (	Chalsa)	/ <b>WEEVE</b>		DD DRI	A				
					7	<u> </u>	Type Taps Plance					
	(110001)	(Cr	Flow D		Diff.	Тетр.	Tubi	ng Data	Casing I	Data	Duration	
No.	(Line) Size	(1019	Size	psig	h <sub>w</sub>	7	I	g OF.	1	l .	of Flow	
	SI-9 Days				- "W	- · ·	1889		ps1g	· ·	Hr.	
1. 2.	Å"	3/	4.	191			234	66º (est	1007	60 but	) 3 hour flow	
3.		<del> </del>							<del> </del>	<del> </del>		
<u>4.</u> 5.		<del> </del>	<del>,,,,,,,,</del>									
		··· L		<del> </del>	<u></u>				L	<u> </u>		
Coefficient Pressure Flow Temp.							CULATIO	ONS Gravity	Compre	99.	Rate of Flow	
No.	(24-Hour) $\sqrt{h_{w}}$				<b>Factor</b>		Factor	Factor		Q-MCFPD		
1.	12,3650		, N.M.		203			Fg	Fpv		● 15.025 psia	
1. 2. 3. 4.				<del></del>	103	1,000	<del></del>	9256	1.023		2377	
<del>3</del> .									<del>-  </del>		<del></del>	
<del>4•</del>		<del> </del>			<del></del>							
			<u> </u>			<del></del>		<del></del>				
					PRI	ESSURE CA	LCUI AT	TONS				
as I	iquid Hydro	carbor	n Ratio	)		cf/bbl.		Speci	fic Gravii	tv Senai	rator Gas	
ravity of Liquid Hydrocarbons deg. Specific Gravity Flowing Fluid											ing Fluid	
c				. <del>-</del> e - <u>/_</u>				Pc	905	P <sub>C</sub> 3,6	29,025	
Т	Pw			T		1	<del></del> -			<del> </del>		
No.		Pt	Fc	<b>Q</b>	$(F_cQ)^2$	(F <sub>c</sub>	$Q)^2$	P <sub>w</sub> 2	$P_c^2 - P_w^2$	Ca]	P.	
1.	Pt (psia)				<del></del>	(1-	e <sup>-s</sup> )			Р,	P <sub>w</sub>	
2.								309,136	317,889			
3.											HAT	
<del>!:  </del>			+			-				. 0.7.	4///	
bso	lute Potent	ial:	25A)	 L		MCEDD.	- 0-1	nt		JUN 1	5 1000	
COMPANY Pan Aperican Petroles Corporation												
LUDRI LCENT	ESS P. U. T and TITLE	DOX. M	PARTI	Ting to	n, New					Las.	3 OM.	
/I:TN	ESSED	- + · · ·				Paris	1	1. Fre	4			
OMP	ANY								<u> </u>			
				_		DEMA	DVC					

## 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 (Pw). MCF/da. @ 15.025 psia and 600 F.
- P<sub>c</sub>= 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.
- Ft Flowing temperature correction factor.
- Fpv 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  $P_{\rm t}$ .