## MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Pulcher Data						mation.	Met	iffs		County See June					
Initi	ial	· 	Annu	al	Special						Date of Test9/7/60				
Compa	any Astee	<b>017 P</b>	Can C	eryte	<b>V</b> _	]	Lease		ks		Wel	l No	13-	<u> </u>	
Unit	S	ec	Tw	p	275	Rge	. <u>10v</u>	Pur	chaser_					<del> </del>	
Casir	rg 2 7/8 W	t	5 <b>.50</b> I	.D	2.4	Set	t at	357	erf	206	<u> </u>	To	98		
Tubing Wt. I.D.						Set at				Perf.			ro		
Gas F	ay: From_	4900	_To	231	13	L 2	64 x	G 0.65	<b>(B:)</b> <u>-</u> GI		1185	Bar.Pr	ess	75	
Produ	cing Thru:	Cas	sing	X		Tul	oi.ng		Туре	Wel	1 110	(200	<b>5</b>	rte)	
Date	of Complet	ion:_	8/	2/60		_Packer	- 6487	\$1	ngle-Bi Rese	raden ervoi	r Temp.	G. or	J. U.	Duai	
							OBSERV	ED DATA							
Teste	ed Through	<u> </u>	(CE)	Choke	<u>*) ₹</u>	HOUSE,					Type Tap	ε	<del></del>		
<del></del>	Flow Data											Casing Data			
No.	(Prover) (Line)	(Cho	oke) fice)	Pres	3S.	j			i i				1	Duration of Flow	
	Size			psi	ig	h <sub>w</sub>	°F.			۲.	psig	<sup>⊃</sup> F•	+	Hr.	
SI 1.		0-790						507 154	60	<b>₹</b>	शुरु शुरु		7 days 3 hrs.		
2 <b>.</b> 3 <b>.</b>		<b>_</b>		<u> </u>	$\dashv$							<del> </del>	<del> </del>		
4.													-		
<u> </u>		<u> </u>	<del></del>	<b></b>				ļ			<del></del>	1			
<del></del>	Coeffici	ent			Pre		FLOW CAL Flow		Grav	ity	Compre	ss.		of Flow	
No.							Fac	tor	Factor F <sub>g</sub>		Factor F <sub>pv</sub>		Q-MCFPD @ 15.025 psia		
1.					psia		1.000	t	0.96						
2. 3. 4. 5.											<del></del>				
4.															
5.1			L											· · · · · · · · · · · · · · · · · · ·	
						PR	ESSURE C	ALCU AT	CIONS						
	iquid Hydro y of Liqui						cf/bbl.				ic Gravi ic Gravi				
	y or Liqui	-		1-e	3)		ueg.	-				Pc	254	<b>1</b>	
No.	$P_{\mathbf{w}}$	P	2 · F	<sub>c</sub> Q		$(F_cQ)^2$	(F	$(cQ)^2$	Pw	2	$P_c^2 - P_w^2$	C	al.	P <sub>w</sub> P <sub>c</sub>	
	Pt (psia)			·	1_		()	c₹/ -e <sup>-s</sup> )	Skipp "		7 <b>7</b> ,770		P <sub>w</sub>	P <sub>c</sub>	
1. 2.					<u> </u>							#==			
3. 4.					+-							<del></del>			
5.											<del></del>	<u> </u>			
Absol COMPA	Lute Potent ANY <b>Astec</b>		Che I	276	} 		MCFPD;	n	0.85						
ADDRI	ESS		510,		dig	ten, I	or Maril	•			-	704.04	1 2		
	T and TITLE ESSED	OF	RIGINAL	SIGNE	D BY	L M ST	E <u>VENS</u>				Stevens,				
COMPA	NY		<del></del>	·····			REN	ARKS							
. 74	strings o	neing	set i	D COL		bole.		elesti.	m bota	100 1	trings.	afl'			
*											1	KLU	LIV:	,	
											Property and	SEP!	121	JhU J	
											j	OIL C	ON. IST.	3	

## 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
- $P_{w}$  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.
- $h_{\mbox{w}}$  Differential meter pressure, inches water.
- $F_g$ : Gravity correction factor.
- $F_t$  Flowing temperature correction factor.
- F<sub>DV</sub> 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  $P_{t}$ .