				MULTI	-POINT	BACK PRE	SSURE TES	ST FOR GA	S WELLS		Revised 12-1-55	
Роо	1 Jalma	t		F	ormation	n_Yates	- 7 Rive		County	Lea	-24 - 57 to	
Ini	tialAnnual			al	SpecialX				Date of Test 6-28-57			
Com	Company Cities Service Oil Company						Lease			Well No. 1		
Uni	t	Sec	19 _Twp	. 24	R	ge. 37	Purc	E chaser	L Paso Nat	ural Ge	as Co.	
Cas	ing	Wt	<u> </u>	.D	Se	et at 33	51 Pe	erf.		То		
Tub	2-3/8 ing	Wt	7 1.	.D	Se	et at34	34 Pe	erf.		То		
Gas	Gas Pay: From 3025 To 3346			34 6	<u>L3434xG</u>			5	2249	Bar.Pre	13.2 ess.	
	ducing Thru						X	Type We	ell Sia	gl•		
Date	e of Complet	tion:	10-4-	50	Packe	er	Sin	ngle-Brade Reserve	enhead-G. Dir Temp.	G. or (G.O. Dual	
							ED DATA					
Test	Tested Through (Frover) (Choke) (Meter									Type Taps		
~~~		F	low Da				Tubing		Casing D	)ąta	i	
No.	(Prover) (Line)	(Orif	lice)	Press.	Diff.	1	Press.	Temp.	Press.	Temp.	Duration of Flow	
	Size	Si	ze	psig	hw	°F.	psig	°F.	psig	°₽.	Hr.	
<u>SI</u> 1.	<u> </u>	-1.5	<del>00</del>	217	16.00	78-	476				72	
2.	4#			220	21.16	76	300	+		<u> </u>		
3.	<u> </u>	1.5	00	233	23.52	78	280	<u> </u>		<u>+</u>		
4.				235	28.62	78	253	†		+	24 esenting highes	
No.	Coefficient (24-Hour)				FLOW CAL FLOW CAL ressure Flow Fac psia F		CULATION Temp. tor	S	Compress. Factor ^F pv		Rate of Flow Q-MCFPD @ 15.025 psia	
1.	13.99		60.66		.9831		<b></b>	9571	1.020		815	
2.	13.99		70.2			.9850				21	945	
3.	13.99		76.07			.9831		.9571	1.0	22	1,023	
1. 2. 3. 4. 5.	13.99		84.2	84.25		. 983.	<u> </u>	•9571	1.022		1,133	
as L	iquid Hydro ty of Liqui <b>9.936</b>		ocarbo		PR -12:3	ESSURE C. cf/bbl. deg.	ALCUIATI	Speci	fic Gravi fic Gravi 489.2	ty Flow	rator Gas ing Fluid 2 <b>39.3</b>	
No.	P _w P _t (psia)	Pt ²			(F _c Q) ²	( L	$c_{e^{-s}}^{Q)^2}$	P _w 2	$P_c^2 - P_w^2$	Ca	1. P _w P _c	
<u>ļ.</u>	342.2	117.1	8.1		65.61	9.	8	126.5	112.8		·/	
2.	313.2	<b>96.1</b> 86.0	<b>9.</b> 10.1		88.17	12.0		110.7	128.0	3		
<u>3.</u> 4.	266.2	70.9	11.2		126.79	14.		100.8	138.5 150.3	•		
5.										+		
COMP ADDR	ESS B	ities : ox 97,	HOD OS,	OII ( New 1		_MCFPD;	··	.000				
	T and TITLE ESSED	E. G.	H. Fur	ل <b>و و چند</b>	r. Pet	croleum l	ngineer					
COMP					peny							
			··· ··· <del>··· ·· ·</del> ····			DEM	ADVC					

## 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  $(P_w)$ . MCF/da. @ 15.025 psia and 60° F.
- P_c= 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- PwI 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.

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- Fg Gravity correction factor.
- Ft Flowing temperature correction factor.
- F_{py} Supercompressability factor.
- n _ 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 presence drop que to friction within the flow string to  $P_{\rm h}$ .

