Form C-122
Revised 12-1-55

			( MULTI-	POINT BA	CK PRES	SURE TEST	FOR GAS	WELLS SO AFR 12	n ' EAL	7 % 5o	)	
Pool	Jal	ME	Fo	rmation	Tate	<b>.</b> Y		County	at 10-	5/10-l	6-59	
Initi	MULTI-F  1				Spec	ial		Date of Test				
Compa	ny Leo	pard '011	Company		Lease		<u> </u>	Mell	No	4~*		
Unit	Se	ec. 21	twp. 25	Rge	. 37	Purch	naser	0120				
Casin	7 Wt	20	I.D.	Sef	t at 27	<b>5</b> Per	rf	T	°			
Tubin	g 2 Wt	-		 Se <sup>1</sup>	t at 29	Per	rf.	Ţ	.o			
Tuoin	ay: From_	200h m	_1130 _1130	7 291	10 -	(Augume	-GI. 18	<b>91</b> E	ar.Pre	SS	13.2	
Gas P	'ay: From_	10			^	X	Trme We	51	ngle			
Producing Thru: Casing				Tu	2010 Singl			gle-Bradenhead-G. G. or G.O. Dual				
Date	of Complet	ion: 9-30	<b>2-55</b>	Packe	r		Reservo:	ir Temp				
					OBSERV	ED DATA						
Teste	ed Through	(Frover)	(Choke)	(Meter)				Type Tap:	5			
<del></del>		Flow	Data			Tubing	Data	Casing Da	ata		Down to do m	
T	(Frover)	(Choke)	Press	. Diff.	Temp.	Press.	Temp.	Press.	Temp.		of Flow	
No.	(Line) Size	(Griffice Size		h <sub>w</sub>	o <sub>F</sub> .	psig	°F.	psig	°F∙		Hr.	
SI			349	<b></b>	6k	349				<del>  7</del>	<b>.</b>	
1. 2. 3. 4. 5.	2	.250 -375	325	<del> </del>	63	325						
3· 1	5	-500	272		65	272					<u>}</u>	
4.	2	.625	328	<b></b>	61	326	<del> </del>			2.		
No.	Coefficient (24-Hour) $\sqrt{}$		h <sub>w</sub> p <sub>f</sub> Pressure		Flow Temp. Factor Ft		Factor F <sub>g</sub>	Compress. Factor Fpv		Q-MCFPD @ 15.025 psia		
1. 2.	1,3309			62,2 38,2	.9971		.9608	1,033		101	· · · · · · · · · · · · · · · · · · ·	
3.	5.4315		2	85.2	.2 .9952		.9608	1.027	2	1520 1980		
4.	3.0300	8.5017		36.2 41.2	.9990		.9608 .9608	1.023		1023		
Gravi	Liquid Hydro	ocarbon R id Hydroc	atio	₽	_ cf/bbl deg		Spec	ific Gravi ific Gravi	itv Flo	wing I	Fluid	
<sup>е</sup> с	9.936		(			<del></del>	·					
No.	P. (neia)	$P_{\mathbf{W}}$ $P_{\mathbf{t}}^2$ $F_{\mathbf{c}}^{\mathbf{Q}}$		(F <sub>c</sub> Q)	2	$(F_cQ)^2$ $(1-e^{-s})$	P <sub>w</sub> 2	$P_c^2 - P_w^2$		Cal. P <sub>w</sub>	P <sub>w</sub> P <sub>c</sub>	
1.	302.2	131.2	4.750	22.56		752	133.9	53.8	365 356		82	
2.	338.2	81.3	10.07	101.4 228.0		.82	126.8	60.9 78.6	330		.76	
3. 4.	285.2	55.8	19.67	385.9	147	.20	103.0	84.7	320		71 80 8 2	
5.	31.1.2	116.4	10.16	103.2	12	.59	129.0	58.7	359	<u> </u>		
Abs	olute Poten	tial: 4	5 <b>7</b> 5		MCFP	D; n <u>1.0</u>	00					
4.00	PANY Leonar RESS Fox 70	Re Posma	1. Now M	exico		9 1	71.	3			<del></del>	
A CE	NT and TITI	E Fowler	HIX - G	eneral M	anager	Towb-	/ Lef	·				
WIT	NESSED H	.n. Kerby	tural Ce	s Compar	y							
						EMARKS	meen:146	If well	is tie	d inta	o system.	
→ T	he well pro	duced a seest will	Light am be condu	ount of cted	Tinjq - /	TeroTe ro	escogare.	and WSafeds	-G V46			

Fair point alignment, but slope greater t an 1.000 slope of 1.000 drawn thru point corresponding with highest rate of flow.

## 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<sub>W</sub>). MCF/da. @ 15.025 psia and 60° F.
- $P_c$ = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater.
- 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.
- Ft Flowing temperature correction factor.
- Fpv Supercompressability factor.
- n I Slope of back pressure curve.

Note: If  $P_{\mathbf{w}}$  cannot be taken because of manner of completion or condition of well, then  $P_{\mathbf{w}}$  must be calculated by adding the pressure drop due to friction within the flow string to  $P_{\mathbf{t}}$ .