	Jul.	Mr.	. Mu	LTI.	-POINT B	ACK PRES	SSURE TES	T FOR GAS	S WELLS		Revised 12-1-55	
Pool	ीक <b>वे</b> शी	ファノン・ gratec	de de	Fo	ormation	Hits of	io Irodan	* * * * * * * * * * * * * * * * * * *	County	Lee		
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	any Phill											
Casi.	<u>?4</u> S	23# t26#	I.D.	ί. 6.	ng 366* 276 <u>*</u> _Se	t at	3./25_Pe	13194 rf. 13202	-2031 -3981	Го	13274-248° 13270-286°	
	ng <b>2-3/8"</b> W											
											ess	
Prod	ucing Thru:	Cas	ing		Tu	bing 3		Type We	ell single			
Date	of Complet	ion:_	7-18-57		Packe	r 13165	Sin	gle-Brade Reserve	enhead-G. ( oir Temp	3. or 0 228	.O. Dual	
	•				<del></del>		ED DATA	<del></del>	-			
<b>.</b>	3 000 3	<b>(</b> D	) (0)	A.	- /24 - t		DAIR			_		
Tested Through (Prover) (Choke:) (Meter)									Type Tap:			
	(Prover) (Shorts		low Data				Tubing		Casing Da	ata	Duration	
No.	(Prover)	(Orif	ice)		Į.	ļ					of Flow	
$\bot$	Size	Si	ze p	sig	h <sub>w</sub>	°F.		°F.	psig	<sup>⊃</sup> F•	Hr.	
SI		ļ					28:1	50			7.2	
1.	<u>/#</u>	2"		3	<del> </del>	73	2755	80	pir n		2	
2.	<u> </u>	2×			┾	30	1867	83	77	<u>-</u>	2	
3. 4. 5.	Vα.	2# 2#	25.°		<del> </del>	38 30	2042	82	10	<u>-</u>	20	
No.		Coefficient (24-Hour)		Pressure		FLOW CALCULATION Flow Temp. Factor Ft.		Gravity Factor Fg	Compres Factor	1	Rate of Flow Q-MCFPD @ 15.025 psia	
1.	<u>`</u>			h <sub>w</sub> p <sub>f</sub> psia		Q\$7.7			2.000		670"	
2.	<u> </u>				2.5/	1.0%		-5403 -0763	1.00		26274	
3.	86,394			_	8.92	1 (27.)		.9263	1.00		2425	
3 e   4 •   5 •	86.594	26.504			6.72	1.0307		0253	3.00		910%	
as L: ravit	iquid Hydro ty of Liqui	d Hydr		, y		essure ( cf/bbl. deg.		Speci Speci		ty Flow	arator Ga <b>g</b> y ving Fluid 777	
No.	P <sub>w</sub>	$P_{\mathbf{t}}^2$	F <sub>c</sub> Q		(F <sub>c</sub> Q) <sup>2</sup>	(F	F <sub>c</sub> Q) <sup>2</sup> L-e <sup>-s</sup> )	P <sub>w</sub> 2	$P_c^2 - P_w^2$	Ca F	Pw Pc	
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	1820.2	3:35	15.35	-	(d) 3.47		<del>s</del>	<u> 284 - 5</u>	43(8,2	1.30		
3.	- 1761.2	<del>- 3250 -</del>	24.05		560	- 33c		3406.5	10513.5	-32		
4. 5.	3,555.2			9:13		<del>53/40</del>		<del>(3) (2)</del>	5058		0 .405	
Abso COMP		ial:		ំន វិសិស	re meis	MCFPD:		1.00				
ACREM - I MINITE BOX 7 UP. Helbs. Her 18 x100										<u> </u>		
WITNESSED N. C. KOUGETS, District Super Laterment Hard												
COMP			G. C.	Life	eldos				/			
- J.M.			Phillip	्राष्ट्र	Petrole	etar Geren	AAKS				24	

<sup>\*</sup>Gas volumes taken from Table No. VII, "Capacities for 4" Flow Nipple & Orfice or 4" Orfice Well Tester of the NMOCC" Margal for Gas-Cil Ratio Determination" as flow pressures were below critical value.

## 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.
- $h_{\mbox{\scriptsize W}}\mbox{\footnotesize I}$  Differential meter pressure, inches water.
- $F_g$ : Gravity correction factor.
- Ft Flowing temperature correction factor.
- $F_{DV}^{-}$  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  $P_{\mathbf{t}}$ .