## NEW MEXICO OIL CONSERVATION COMMISSION

HOBBS OFFICE OCC

Form C-122
Revised 12-1-55

MULTI-POINT BACK PRESSURFESSEST FOR GAS WELLS

Pool	Jalmat		<del></del>	Formatio	n Yata	- 7 My	<b>623</b>	_county	Les	<del></del>	
InitialAnnual											
Compa	any El Pass	Hatur	al Gas C	ORDERLY	_Lease	Melle	and the second of the second o	Well	l No	3	
Unit	<u>.</u> S	ec <u>5</u>	Twp	25 8 R	ge <b>37</b> _	Purc	haser	El Paso N	atural G	La Company	
					<del></del>						
										- 13.2	
Date	ucing Thru: of Complet	ione	1.6.4A	Pack	- <b>H</b>	Sin	gle-Brade	nhead-G. (	G. or G.C	. Dual	
Dave	OI COMPTEC	1011	<del>3-0-30</del>	1 ack			neser vo	TI Lemb.			
		<b>(5</b> )				ED DATA					
Teste	ed Through				<u> </u>			Type Tap		184	
$\neg  au$	(dictions)		low Data	ess. Diff	. Temp.	Tubing Press.	Data Temp.	Casing Da	Temp.	Duration	
No.	(Line) Size	(Orif:	, ,	sig h	o <sub>F</sub> .	ps <b>i</b> g	o <sub>F</sub> .	psig	°F.	of Flow Hr.	
SI		<u> </u>		<b>"</b>		478			,	72	
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3.	Yn	1.00		97 43.6	48	299				24	
4. 5.		1.00	1	35 60.3	67	257		Ĉ.		*	
						CULATION					
No.	Coefficient  Tlange (24-Hour)  \[ \sqrt{h_1} \]			Pressure		Temp.		1 -		Rate of Flow Q-MCFPD	
			$\sqrt{h_{\mathbf{w}}p_{\mathbf{f}}}$	psia			F <sub>g</sub> _	Fpv		@ 15.025 psia	
1. 2.			82.10			.9924		1.038		100	
3.			97.57	<del> </del>			.9608	1.03	* I	- 50.5 - 700	
4.	6.135		127.40	<b>I</b>	.9933		.9606	1.03		766	
					preempr o	CALCUTATIO	OMC	<del></del>	<del></del>	·	
		,	D-4 *					e: - Companie	h Campus	ton Coo	
ravit	iquid Hydro by of Liqui	d Hydro	ocarbons		_ cf/bbl. deg.		Speci	fic Gravit	ty_Flowin	tor Gas <b>650</b> g Fluid	
'c	9.936		(1-e	-s <u>) .127</u>	<del></del>	<del>-</del> ,	Pc	91.2	_Pc24\	L.3	
	EK.					2		2 0	T		
No.	Pt (psia)	$P_{\mathbf{t}}^2$	F <sub>c</sub> Q	(F <sub>c</sub> Q)	2   (F	$\left(\frac{cQ}{c-e^{-s}}\right)^2$	$P_w^2$	$P_c^2 - P_w^2$	Cal.	P <sub>w</sub> P <sub>c</sub>	
	402.2	161.5	4.93	24.58	3,0		164.9	76.4	406.1	.01	
	367.2	134.4					130.2	102,1	379.1	-74	
4.	312.2 270.2	97.5 73.6			3.		103.6 -80.4	137.7	321.9	-63	
5. Absol	Lute Potent	ial:	970		MCFPD:	n568		<u> </u>	<u></u>		
COMPA				mi Gag Gan							
								<del></del>			
ADDRE	ESS	P. 9.	Jes J	he Jale M	a Maria						
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## 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 ( $P_{\rm W}$ ). MCF/da. @ 15.025 psia and 60° F.
- PcI 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.
- $F_g$  Gravity correction factor.
- $F_t$  Flowing temperature correction factor.
- $F_{pv}$  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  $P_{+}$ .

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