MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

esd	Tunes	Form	C-122
	Revis	ed 12	2-1-55

Pool	W. Ldon	<b>11</b>	- magazan paga ana ang paga a	Fc	ermation	Ga.	lup	34.4	_County	Rio	Arriba	
Init	ial I	*** *** *** * ******** *****	Annu	al	and the result of the state of	Spec	ial		_Date of	Test	<b>L12-99</b>	
Comp	any <b>Redf</b> e	n & i	erd_	•		Lease	Large S	<b>#</b>	Wel	l No	Α	
Unit	<u> 17</u> s	Sec	Tw	o. <b>24</b>	Rg.	e. <u>61</u>	Purc	haser				
Casi	ng 😘 W	t	5.5 I	.D.	Se <sup>-</sup>	t at <b>6</b>	<b>90</b> Pe	rf. <u>4</u>	70	То	5494	
<b>Tu</b> bi	ng <b>2-3/8</b> W	t	7 I	.D	Set	t at <b>550</b>	<b>)3</b> Pe	rf. 550	3	То 💃	89	
Gas	Pay: From_	4	То_		L	X	G			Bar.Pre	ess	
	ucing Thru:						x	Type We	ell Sin	rio Gas		
Date	of Complet	ion:_			Packet	r			enhead-G. oir Temp.		i.O. Dual	
						OBSERV.	ED DATA					
Test	ed Through	(Prov	<u>ver) (</u>	Choke)	(Meter)				Type Tap	os		
<b></b>			Flow Da				Tubing		Casing D			
Nc.	(Prover) (Line)	(Cho	• .	Press.	Diff.	Temp.		Temp.	Press.	Temp.	Duratio of Flo	
ĺ	Size	1 '	ize	psig	h <sub>w</sub>	°F.		°F.	psig	<sup>⊃</sup> F.	Hr.	
SI 1.		<u> </u>					1583		1737			
2. 3.		2/4	1	526		78			1105		3 hrs	_
4.		7/4		760								
5. !		L	<del></del>	ļ				1	L	J	<u> </u>	
	Coeffici	ent.		Pr		FLOW CAL			Compre	ess.	Rate of Flow	
No.						Fac	tor	Factor	Facto	r	Q-MCFPD @ 15.025 psi	a
-	(24-Hou	r)	$\sqrt{h_{w}}$	D.t.	psia	F	t	Fg	Fpv		9 1/102/ por	-
1. 2. 3. 4.					40	200			1,097	,	6517	$\blacksquare$
4.	12.3650							.9393				
<u> </u>			<u></u>		DE:	ancima a	A COLUMNIA	ONG		, <b>.</b>		······································
						ESSURE C.				_		
Jas L Jravi	iquid Hydro ty of Liqui	carbon d Hydi	n Rati rocarb	o ons		cf/bbl. deg.		Speci	lfic Gravi	ty Flow	arator Gas wing Fluid	
<sup>7</sup> о	ty of Liqui		(	1-e <sup>-s</sup> )				<sup>р</sup> с—	1749	Pc	1059	
		<del></del>	<del></del>				<del></del>		<del></del>			
No.	P <sub>w</sub>	P	E F	<sub>c</sub> Q	$(F_cQ)^2$	(F	cQ) <sup>2</sup> -e-s)	$P_w^2$	Pc-Pw	1	P. P.	
1.	Pt (psia)					( ].	<u>-</u> € 0 )				P <sub>w</sub> P <sub>c</sub>	
1. 2. 3. 4. 5.	13.97	4	ļ.					3437	1626		1,900	
4.				7 .								
	lute Potent	ial:	10.	466	·	MCFPD;	n •75	1,66	<b></b>			
COMP	ANYR	alfer	A He	4	<b>7</b>							
AGEN	T and TITLE	1,	A, Da	pa, C	eritin	r bagino		riginal sign	ned by T. 1	A. Duga	n	
COMP	ESSED								POPI			
	- <del>-</del>					REM	ARKS		/RELEI	VFN	\	
									SEP 21	1050		
								/	OIL CON.	COM	/	
								\	DIST.	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 600 F.
- P<sub>c</sub>= 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
- Pf Meter pressure, psia.
- $h_{\mathbf{W}}^{\perp}$  Differential meter pressure, inches water.
- $F_g = Gravity$  correction factor.
- $F_t$  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  $P_{\mathbf{t}}$ .

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