## MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

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Perri Si	ed	12	_1_	-55

Poo	1 Undesi	gnated		F	ormation	n Gall	пЪ		County	Ric Ar	riba
	tialX										
	pany Redf										
Uni	t <u>I</u>	Sec	13 Tw	mp <b>2</b>	AN Re	ge <b>7</b> W	Pui	chaser	Southern	Union	
	ing 51										
	ing 2-3/8										
	Pay: From										
Prod	ducing Thru	: Ca	sing_		Tu	lbing	X	Type We	ell Sing	le-Gas	
Date	of Comple	tion:	1-11.	-60	Packe	r None	Si	ngle-Brade	enhead-G.	G. or G	.O. Dual
	·	_					ED DATA		ori icuto.		
Test	ed Through	( P <b>T</b> )	<b>50</b> F) (	Choke)			DD DAIN		Птто Пон		
			Flow D		1110001)		Tubin	g Data	Type Tar		
No -	(Prover) (Line)	(Ch	oke)	Press	Diff.	Temp.	Press	Temp.	Casing D	Temp.	Duration
	Size			psig	h <sub>w</sub>	° <sub>F</sub> ,		° <sub>F</sub> ,	psig	°F∙	of Flow Hr.
SI l.		<del> </del>	<u>-</u> -				1642		1731		
1. 2. 3.		3/4	•	553		68			1352		3 hrs
4.									2772		) are
<u> </u>	· <del></del>	<u> </u>		<b></b>	<u></u>	DI OU GAL	OUT 4 TTO		<u></u>	<u> </u>	· <del></del>
No.	Coefficient Pressure Flow Temp. Gravity Compress. Rate of Flow					Rate of Flow					
	(24-Ho	ır)	√ h <sub>w</sub> r	$\frac{1}{2}$	psia	Fac F		Factor F <sub>g</sub>	Facto F <sub>pv</sub>		Q-MCFPD @ 15.025 psia
L. 2.											
1. 2. 3.	12.3650				565	0.99	24	0.9393	1.06	6	6942
· ·											
					PRI	ESSURE CA	ALCUTAT:	IONS			
ıs L	iquid Hydro ty of Liqui	carbon	Ratio	)		cf/bbl.		Speci	fic Gravi	ty Sepai	rator Gas
			(1	-e <sup>-s</sup> )		deg.		Speci Pc	1743	ty Flow: _P <sub>C</sub> <b>30</b>	ing Fluid
<del></del>	D	r				<del></del>	<del></del>			···	
10.	P <sub>W</sub>	Pt	Fc	Q	$(F_cQ)^2$	(F <sub>c</sub>	$(Q)^2$	P <sub>w</sub> 2	$P_c^2 - P_w^2$	Cal	• P <sub>w</sub>
	Pt (psia)					(1-	-e <sup>-s</sup> )			P	P <sub>W</sub> P <sub>C</sub>
	1364							1860	1174	†	2.58
bso]	lute Potent	ial:		70		_MCFPD;	n_ •75	2.07		<u> </u>	
DDRI	ESS Dex	1747,	Midlan								
TTNE	T and TITLE ESSED	T.	A. Du	gan, Co	onsultin	g Engine	er				
OMPA	NY					REMA	RKS				
									(2)	TENA	

OIL CON. COM.

## 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.
- Pc 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.
- hw Differential meter pressure, inches water.
- Fg Gravity correction factor.
- Ft Flowing temperature correction factor.
- Fnv 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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