## MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

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Poo	ol Angel Fo	nie Ext	<u>ænalor</u>	Fe Fe	ormation	n_Dekotz	3		County	<u> </u>	n Juan		
Initial X Annual					Special_				Test	4/s1/50			
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Pro	ducing Thru	: Cas	sing	·~	Tu	bing	X	Type We	:11	ingle	7 O D - 7		
Date	e of Comple	tion:	417410	0	Packe	rNo	511	ngie-Brade Reservo	ennead-G. oir Temp	G. or (	31.		
T.I	) (453 9.7.d (4)	<b>!-</b> )	104 GL										
-			\ ((	711 <b>\</b>									
100	ced Inrough												
	(Prover)				Diff	Tomp					Duration		
No.	(Line)	(Orif	fice)			•					of Flow		
SI	Size	<del></del>		psig	h <sub>w</sub>	F.				F.	Hr.		
$\frac{31}{1.}$	<del></del>	U• !	<u> </u>							<del> </del> -	3 hours		
1. 2. 3.													
<del>3.</del>		<u> </u>											
4. 5.							<u> </u>	<del> </del>	<del></del>				
-		<u>-L</u>			<u> </u>			<u></u>					
- Т	Coeffici	ent.		Pr					Compre	ee	Pate of Flow		
No.			Factor		tor	Factor	Facto	r	Q-MCFPD				
	(24-Hou	ır)	$\sqrt{h_{\mathbf{w}}}$ p	f	psia				Fpv		@ 15.025 psia		
1.	12.3050				733	1.000	00	0.9300	1.005		ુંઘાઉ		
1. 2. 3. 4.						<del> </del>							
7.			<del></del>										
5.													
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					rnı	AO ANUCCE	TTCO.WIT	ONS					
						cf/bbl.		•					
	-	-				deg.							
C	**************************************	<del>-</del>						¹ c——	2006	_rc <u></u>			
	$P_{\mathbf{w}}$		<del>-  </del>			<del>- 1</del>	· · · · · · · · · · · · · · · · · · ·			<del></del>	<del></del>		
No.	- W	P+2	F	Q	$(F_cQ)^2$	(F	$(Q)^2$	P. 2	$P_{\alpha}^2 - P_{\alpha}^2$	Ca	1. P.,		
	Pt (psia)					(1-	(e-s)	w	C W	P	w Pc		
$\frac{1}{2}$	7,15,1							.027.775	2.166.5	26			
3.		·								<del>                                     </del>			
1. 2. 3. 4. 5.										<b>†</b>			
										<u> </u>			
	lute Potent				<i>*</i>	_MCFPD;	n 0.7	<u> </u>					
ADDR	ESS Tox	766. H	amin	ston. N	lew Mexi	<b>30</b>							
AGEN	T and TITLE ESSED	Sec. 16 Twp. 267   Rge. 168   Purchaser											
COMP	**************************************	<u> </u>			<del> </del>								
						REMA	RKS	<del></del>			-		

## 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 ( $P_{\rm W}$ ). MCF/da. @ 15.025 psia and 60° F.
- PcI 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- Pw 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.
- $F_{pv}$  Supercompressability factor.
- n I Slope of back pressure curve.
- Note: If  $P_{\rm W}$  cannot be taken because of manner of completion or condition of well, then  $P_{\rm W}$  must be calculated by adding the pressure drop due to friction within the flow string to  $P_{\rm t}$ .