## MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool	Res	<u> </u>		Fo	rmation		rerdo		_County_	San J		
Init	cial	X	Annua	1		Spec	ial		_Date of	Test	20-4-96	
Comp	pany Ante	e CAL	& Can	Corphi		LeaseC	ulpepper	-Jac Ma	We]	ll No	1	
											a Ceresay	
Casi	ing 3"1/2" W	t. 13.	<b>4</b> I.	D	Se	tat_6	Pe:	rf.	<u> </u>	To 17	70	
Tubi	ing <b>2 1/8</b> W	t. <b>L.7</b>	<u> </u>	D	Se	t at_	<b>52</b> Pe:	rf. 162	L	То	633	
Gas	Pay: From	1,600	To	166h	L_	х	G			Bar.Pr	ess	
	ducing Thru:											
Date	e of Complet	ion:	9-27-4	<b>%</b>	Packe		Sin	gle-Brade Reservo	enhead-G. oir Temp.	G. or	G.O. Dual	
	•	(27)			<del></del>		ED DATA					
Teet	ed Through	( Prosec	ر م) (معم	hoke)	(Voton)				Two Tar	19		
			Low Da			L and a		Data	Casing I			
	(Prover)	(Chol	(e)	Press.	Diff.	Temp.			Press.	Temp.	Duration	
No.	(Line) Size	(Orifice) Size		psig h <sub>w</sub>		°F.	psig	ı	psig	o <sub>F</sub> .	of Flow Hr.	
SI							1016		2039			
2.		_3/4					306		680	<del> </del>	3 houses	
3 <b>.</b>												
5.												
			<del>-</del>			PTOW CAT	CIT ATTON	<u> </u>		****		
$\neg$	Coefficient			Pr	FLOW CALCU			Gravity Compress. Rate of Flow			Rate of Flow	
No.	(24-Hour) $\sqrt{h_w}$		h.p	na psia		Factor		Factor F <sub>g</sub>	Factor		Q-MCFPD @ 15.025 psia	
1.	12.365		V -WFI		33.8	1.0		0.961	1.037		3919	
2. 3.												
) e 												
5.												
					PRI	ESSURE C	ALCUIATIO	ONS				
ae T	iquid Hydro	ca rhon	Ratio			cf/bbl.		Sneci	fic Gravi	t.v Sena	arator Gas	
	ty of Liquid		carbo	ns		deg.		Speci	fic Gravi	ty Flor	wing Fluid	
			(1	-e <sup>-s</sup> )				P <sub>c</sub>	1050	_Pc	102500	
	$P_{\mathbf{w}}$		<del></del>		<del></del>	<del>-</del>						
No.		Pt.	F <sub>C</sub>	<b>a</b>	$(F_cQ)^2$	(F	cQ) <sup>2</sup> -e-s)	$P_{\mathbf{w}}^2$	$P_c^2 - P_w^2$		$\frac{P_{\mathbf{w}}}{P_{\mathbf{c}}}$	
	Pt (psia)					(1		-4878	71.55	_ <u> </u> ]	P <sub>w</sub> P <sub>c</sub>	
2.	692							3484	6l,0300			
3.												
L. 2. 3.	·		+				<del></del>			+		
	lute Potent	ial.				MCEDD -	n e e		<u> </u>		<del></del>	
COMP	ANY	4.25.131	THE PARTY		COMPAN		n0_1	-				
DDR	ESS T and TITLE ESSED	DCT	786	Fareda	etan, I	ou Hard	10					
aGEN VITN	T and TITLE ESSED	ORIGI	NAL ŠI	CNED I	Y BILL I	R. HASTIN	i <del>cs - I</del>	eduction	- lingin	<b>04P</b>		
	ANY			<del></del>								
						REM	ARKS					

## 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 (Pw). MCF/da. @ 15.025 psia and 60° F.
- $P_c$ = 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
- $P_t$  Flowing wellhead pressure (tubing if flowing through tubing, casing if flowing through casing.) psia
- $P_{f}$  Meter pressure, psia.
- $h_{\mbox{\scriptsize W}}\mbox{\footnotesize I}$  Differential meter pressure, inches water.
- Fg Gravity correction factor.
- Ft 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  $P_{\mathbf{+}}$ .

Operator
Residue Fo