## MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool	Blanco-Pic	tured	Cliff	Fo	Formation Pictured Cliffs				County San Juan			
Init	ialX		Annua	.1		Sp <b>ec</b>	ial		Date of	Test_1	2-3-59	
Comp	any Pan Amer	rican	Petrol	erum Co	rp.	Lease B1	liott Gs	s Unit *	<b>J</b> # Wel	l No	1	
	. <u> </u>											
Casi	ng <b>4-1/2</b> W	t. <b>9.5</b>	<u> </u>	D. <b>4.0</b> 5	<b>)0</b> Se	t at <b>253</b>	<b>8</b> Pe	erf	ijet cut a	t 2476 To		
Tubi	ng <b>1-1/4</b> Wi	t. <u>2,3</u>	<u> </u>	D. <u>l.3</u>	<b>Se</b>	t at 246	<b>3</b> Pe	erf. 24	52	To 24	63	
Gas	Pay: From	24.56	_To2	515	L 247	<b>6</b> x	D.65 (or	<b>t.)</b> <u>-</u> GL	1609	Bar.Pre	ess. 12	
Prod	ucing Thru:	Cas	ing	X	Tu	bing		Type We	ell Gas-s	ingle		
Date	of Completi	ion:_ <b>1</b>	1-26-5	9	Packe:	r None	Sin	gle-Brade Reserve	enhead-G. oir Temp.	G. or (	.O. Dual	
					<del></del>		ED DATA					
Tost	od Through	<del></del>	) (cı	halsa \	<del></del>		LD DAIR			_		
1650	ed Through				(Allower )				Type Tap			
$\overline{}$	(discussor)		low Datke)		Diff.	Temp.		Data Temp.	Casing D		Duration	
No.	(Line) Size	(Outo	, ,	psig	h	$o_\mathtt{F}$	psig			°F.	of Flow	
SI	Shut 1			here	h <sub>w</sub>	F •	1019	F.	psig 1019	Γ.	Hr.	
1.		3/4-10		294		(est.)	٠.	60 (est.		60° (ast.	) hours	
2.												
3. 4.	,							ļ	<del> </del> -	<b></b>	<u> </u>	
5.				<del></del>				<del> </del>				
					<del></del>	FLOW CAL	יות א יידר אוי	·	<del>*</del>	<u>.                                    </u>	<del>                                      </del>	
	Coefficie	nt		Pr				Gravity	Compre	ss.	Rate of Flow	
No.	(0)			_			tor	Factor		r	Q-MCFPD	
	(24-Hour)		√ h <sub>w</sub> p <sub>f</sub>		psia F				Fpv		@ 15.025 psia	
1. 2. 3. 4.	12.365				306	1,00	0	0.9608	1,0	30	3744	
3.	4	<del></del>				<u> </u>		· · · · · · · · · · · · · · · · · · ·				
4.			<del></del>									
5.												
	iquid Hydroc ty of Liquid		ocarbor	າຣ		ESSURE CA	ALCUTATI	Speci Speci	fic Gravit	tv Flow	ing Fluid	
`c		<u> </u>	(1-	-e <sup>-s</sup> )	and the second			P <sub>c</sub> _1	031	Pc 1,0	62,961	
			_									
No.	P <sub>w</sub>	$P_{\mathbf{t}}^2$	FcQ	3	$(F_cQ)^2$	(F <sub>0</sub>	Q) <sup>2</sup> (e-s)	P <sub>w</sub> 2	$P_c^2 - P_w^2$	Ca		
I.	7 (P014)		<del></del>			-\-(-		50,544	912,417	<del> </del>	w Pc	
1. 2. 3. 4.												
<del>3.</del>										<del> </del>		
5.	<del></del>		<del></del>		·	<del></del>		<del></del>		1		
Ábsol	lute Potenti		4263				n 0.85					
COMPA ADDRE					erporat					<del></del>		
	and TITLE				Mexico Area E	ngineer	Zu	Bane	7.0			
WITNE	ESSED	**								Los		
COMPA	NY						DVC			/HI	INIDI	
						REMA	IRKS			سر .	3 1 1959 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.
- $P_c$  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
- 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.
- $F_t$  Flowing temperature correction factor.
- Fpv 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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