MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Basia Baketa				F	Formation Behote				County_		Sen Juen
Init	ial	· <u></u>	Annu	al		Spe	cial		Date of	Test	11-25-64
Comp	any PAN AN	ERICAN	PETE	ALUM C	orp.	Lease_	ertin Ge	s Wait	*B** We	ell No	1
	6										
Casi	ng_4-1/2_V	/t10	. 5 I	.D 4.	03 Se	t at	357 Pe	erf	1188-96 1163-70	_To	6260-82
Tubi	ng 2-3/8 V	/t	. 7 _I	.D. <u>1.</u>	995 Se	t at	191 Pe	erf	6154	_To	6160
Gas	Pay: From_	6163	_To	1282	L_ 62	23	kG <u>.700</u>		4356	_Bar.Pr	ess. <u>12</u>
Prod	ucing Thru:	: Cas	sing		Tu	bing	*	Type	Well	Single	
Date	of Complet	cion:	11-	15-64	Packe	r	lone	ngLe-Bra Reser	denhead-G. voir Temp.	G. or	G.O. Dual
						OBSERV	ED DATA				
Test	ed Through			Choke)	(Matasa)				Туре Та	ips_	
		Ā	ll wo li	ata			Tubing	z Data	Casing	Data	1
NO.	(P. Line)	(Cho	ke)	Press.		i	Press	Temp	. Press.	Temp.	Duration of Flow
	Size	Si	ze	psig	h _w	°F.	psig	°F.	psig	°F.	Hr.
SI	10 days 2 Inch	740		SAT			1978		1941	400 4	3 Br.
2.	A A B B	1120									
3. 4.							 	1	- 	 	
5.											
							CULATION				
No.	Coefficient		Pı	essure	Flow	Temp.	Temp. Gravity		ess.	Rate of Flow	
NO.	(24-Hour) \sqrt{h}		$\sqrt{h_{\mathbf{w}^{\mathbf{l}}}}$	√p _f psia		Ft		Fg	Fpv		● 15.025 psia
1. 2. 3.	12.3650				559	1,000		.9258	1.0		4864
3.											
4. 5.											
2.1						recime (CALCUIAT	TONG			
_		_									
Gas Liquid Hydrocarbon Ratio Gravity of Liquid Hydrocarbons_					cf/bbl. deg.						arator Gas wing Fluid
		-	(1-e ^{-s})			_	P _c _	1993	_P ²	972,049
						···					
No.	$P_{\mathbf{w}}$	P 1	2 7	ر ا	$(F_cQ)^2$	(1	2012	$P_{\mathbf{w}}^2$	$P_c^2 - P_w^2$	C	al. Pu
	Pt (psia)	· t	. 1	c*	(, C.	(5	F _c Q) ² L-e ^{-s})	* W~	· C · W		al. Pw Pw Pc
1. 2.									2,733,2	20	
3.										_	
4.											
5•		L									
Abso COMP	lute Potent ANY		CAH DI	9067	K CORPO		n75				
ADDR	ESS	480.	Parais	gtor,	Hey Hex	Lee					
	T and TITLE ESSED	By:		AL SIGNE	etriet i	Ingineer		· · · · · · · · · · · · · · · · · · ·		PEHA	
COMP		-J.		W. Foell	· 51				10	TITY	[D]
					 _	RE	ARKS			10	osa l
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									/	DIST.	

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_c = 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
- P_t Flowing wellhead pressure (tubing if flowing through tubing, casing if flowing through casing.) psia
- Pf Meter pressure, psia.
- $h_{\mbox{\scriptsize W}}\mbox{\footnotesize I}$ Differential meter pressure, inches water.
- F_g : Gravity correction factor.
- Ft Flowing temperature correction factor.
- F_{nv} 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 $P_{\mathbf{t}}$.