Form C-122

1-WD 1-D

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

Pool	ool Basin Daketa				Formation Daketa				County San Juan				
Init	Initial X Annual_				Special				_Date of '	Test	6/16/61		
					Company Lease Mudge Federal						4		
Unit	_D _S	ec	33 Twi	o. <u>27</u>	N Rg	e. 11W	Purc	haser	El Pase	Natura	1 Gas	Co.	
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						OBSERV	ED DATA						
Test	ed Through	(BEX	333) ((Choke)	(EBCBC)	K			Type Tap	s			
			Flow Da					Data	Casing D		I		
,,]	(Prover)				. Diff.	Temp.	Press.	Temp.	Press.	Temp.		Duration of Flow	
No.	(Line) Size	' '	fice) ize	psig	h _w	°F.	psig	°F.	psig	[⊃] F•		Hr.	
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		'					CULATION				5.1	0 771	
,,	Coefficient			Pressure				Gravity Factor				Rate of Flow Q-MCFPD	
No.	(24-Hour) 7		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	n _w p _f psia		Ft		Fg	Fpv		@ 15.025 psia		
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2.									_				
3.													
1. 2. 3. 4.													
					PR	ESSURE C	CALCULAT	IONS					
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Gas Liquid Hydrocarbon Ratio Gravity of Liquid Hydrocarbons_									cific Gravity Separator Gas				
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								P W	1477	P _w 2	2181.	5	
$\neg \tau$	$P_{\mathbf{w}}$		2				.2		P _c -P _w ²		-	<u> </u>	
No.	Pt (psia)	P	$\tilde{t} \mid F$, cQ	(F _c Q) ²	(1	$(c_{c}^{Q})^{2}$ $(c_{-\epsilon}^{-s})$	$P_{\mathbf{w}}^2$	Pc-Pw		al. P _w	$\frac{P_{\mathbf{w}}}{P_{\mathbf{c}}}$	
	rt (psia)							2181.5	1746.8		W	.745	
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INSTRUCTIONS

This form is to be used for reporting multi-point back pressure tests on gas wells in the S ite, except those on which special orders are applicable. Three copies of this 'orm and the back pressure curve shall be filed with the Commission at Box 871, Sa a Fe.

The log \mathbf{l}_{i} ; paper used for plotting the back pressure curve shall be of at least three in a cycles.

NOMENCLATURE

- Q = Actual rate of flow at end of flow period at W. H. working pressure (Pw). MCF/da. @ 1 .025 psia and 600 F.
- P_c 72 hour well head shut-in casing (or tubing) pressure whichever is greater. psia
- PwT Static well ead working pressure as determined at the end of flow period. (Casing if lowing thru tubing, tubing if flowing thru casing.) psia
- Pt Flowing well head pressure (tubing if flowing through tubing, casing if flowing the ugh casing.) psia
- Pf Meter press re, psia.
- hw Differentia meter pressure, inches water.
- F_g : Gravity con ection factor.
- F_t Flowing tem erature correction factor.
- Fpv Supercompr ssability factor.
- n I Slope of t ck pressure curve.

Note: If $P_{\mathbf{W}}$ ca not 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 frict on within the flow string to $P_{\mathbf{+}}$.