MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Bacin Dakota				F	Formation Dakota			County See Just					
Init	ial <u>x</u>	_ ·	_Annua	al		Spec	ial		_Date of	Test	9-10-	64	
Comp	oany Astec	013 4	Ges. C	mgany.		Lease	ZACIEN		Wel	1 No	l-D		
Unit		Sec2	Tw _I	36H	Rg	e <u>]2N</u> _	Purcl	naser g	thern Iloi	on			
Casi	ing 4-1/2 W	/t .9.5	<u> 10</u> 1	D	.090 Se	t at 6	836 Per	rf. 660	9	To6	वार		
	ing 2-3/8 W							-					
	Pay: From_												
	lucing Thru:	-											
						Single-Br			denhead-G. G. or G.O. Dual				
D 400	or compact						ED DATA						
Ton+	od Through	(Dwar	-o-n) ((Thoka \	(Noton)		DD DAIA		Twne Tan	.e			
Tested Through (Chok								Type Tapsing Data Casing Data					
$\overline{}$	Prover	(Cho	ke)	Press	. Diff.	Temp.	Press.	Temp.				Duration	
No.	(Line) Size	(Orif	?d \	ł .	h _w		B		psig	o _F .		of Flow Hr.	
SI	7 days	 		P028	W		1613		1613		 		
1. 2.	-2 days	3	<u>^</u>				1	60(est.)	223		31	O. T.	
2. 3.	•	-			-						 		
4.													
5.		<u> </u>			<u> </u>					<u> </u>	<u> </u>		
, 			· · · · · · · · · · · · · · · · · · ·				CULATION				<u> </u>	A 773	
No.	Coefficient					Fa c	v Temp. Grav		Factor		Q-MC	Rate of Flow Q-MCFPD	
	(24-Hour) √r		$\sqrt{h_{wI}}$	p _f psia		Ft		$\mathbf{F}_{\mathbf{g}}$	Fpv		● 15.025 psia		
1.	12.365		13		1.000		.9058	1,000		1/19			
1. 2. 3. 4.													
4.													
2.1						_ `						<u> </u>	
					PR	essure c	ITAIUSIA	ons					
as I	Liquid Hydro	carbor	Ratio	0		cf/bbl.		Speci	fic Gravi	ty Sepa	arator	Gas	
	ity of Liqui	-	rocarb	ons l-e ⁻⁵)		deg.		Speci	fic Gravi	ty Flor	wing F	luid	
c			(T-e -\(\frac{7}{2}\)			-	* c—-		C_ -iCe l	يما و ليكان		
	$P_{\mathbf{w}}$			- [
No.		Pt	F	cQ	$(F_cQ)^2$	(F	(cQ) ² (-e ^{-s})	$P_{\mathbf{w}}^2$	$P_c^2 - P_w^2$	C	al.	Pw Pc	
1.	Pt (psia)		_			 (1	. - e ⁻ s)				Pw	r _c	
2.	235							-55005 					
3.									 	 	<u> </u>		
4. 5.										<u> </u>			
	olute Potent	ial:	3.63			MCFPD;	n 🚙	•					
COM	PANY	rtec û		ac-Car				Original Sig					
	RESS NT and TITLE		770, 1		Zeni, Res	<u> Murino</u>	Carl W	Carl E. Jai	neson	t Beef			
WlT	VESSED												
COM	PANY					REM	IARKS			AFT	17		
	•					- u-4.				[61.41]	N + D		

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 ($P_{\rm W}$). 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 $P_{\mathbf{W}}$ 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 $P_{\mathbf{t}}$.