MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Desim De	Basin Daketa Forma			nation Dakota			County See June		
Initial	Annua	L	Spec	ial		_Date of	Test_1	1-7-60	
Company Temper	•								
Unit S									
Casing W								icas	
——————————————————————————————————————									
Producing Thru:	Casing		ubi.ng	Sin	Type Well Single-Bradenhead-G. G. or G.O. Dual				
Date of Complet:	ion: 11-7-6	Packet	er		Reservo	ir Temp	147	7.	
			OBSERV	ED DATA					
Tested Through	noke) (MELGE) (MEERE			Type Taps				
	Flow Dat	ia Diag		Tubing	Data	Casing D	ata	Dunation	
No. (Line)	(Orifice)		,	1			i .	Duration of Flow	
Size SI	Size	psig h _w	° _F .	 		psig	+	Hr.	
1.	0.750	204		2080		2078 1357	ļ	3.0	
1. 2. 3.							<u> </u>		
4. 5.				 					
			FLOW CAI	CULATION	S				
Coefficie No.	Pressure	Pressure Flow		Temp. Gravity		Compress. Rate of Flow Factor Q-MCFPD			
(24-Hour) $\sqrt{h_v}$		psia		$egin{array}{ccc} ext{Factor} & ext{Factor} & ext{Fg} \end{array}$					
1. 12.3610 2. 3. 4. 5.		430	0.98		0.8403	1.00	1.077 4.074		
3 c									
5.									
		PI	RESSURE C	CALCUTATIO	ons				
as Liquid Hydro			_cf/bbl.					arator Gas	
ravity of Liquid	l Hydrocarbor (1-	ns	deg.	• -	Speci Pc	fic Gravi	ty Flov _Pc	ving Fluid	
P _w	Pt Fc	(F _c Q) ²	2 (F	(cQ) ² (-e-s)	P _w 2	$P_c^2 - P_w^2$	Ca	al. Pw	
Pt (psia)	t c	(=00)	<u>ε</u> ΄)	L-e-s)			- I	P _w P _c	
1. 1369 2. 3. 4.					7614 %				
3.								_	
5.							1		
Absolute Potent:	ial:	000	MCFPD	n	•				
COMPANY		jantoen lingi					-/2	ri is	
ADDRESS AGENT and TITLE								ATTIVITY	
WITNESSED							Arne		
COMPANY								- 1	
REMARKS							X - 1, 2	€.C.**	
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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 T Actual rate of flow at end of flow period at W. H. working pressure ($P_{\rm W}$). 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.
- $h_{\mbox{W}}\mbox{\footnote{$\rm I}}$ 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_{t} .