MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS Revised 12-1-55

Pool	Basin Dakota			F	FormationDakota				County Rio Arriba					
										Date of Test 6-15-61				
									haserNo					
	Casing 7 Wt. 23 I.D. 6.366 Set at 6915 Perf. 6910 To 6732													
Tubir	ng2-3/8	Wt.	4.	70 I.	D. 1.	995 Se	t at 68	68 Pe	rf. Non	ne	To			
													12	
Produ	ucing Th	ru:	Casi	.ng		Tu	bing	<u> </u>	Type We	ll <u>Sing</u>	le-Gas	3		
Date	Producing Thru: Casing Tubing X Type Well Single-Gas Single-Bradenhead-G. G. or G.O. Dual Date of Completion: 5-31-61 Packer None Reservoir Temp.													
DQO C	or our	20020						ED DATA		_				
								ED DATA		.				
Tested Through (Choke) (Type Taps														
	Flow (Prover) (Choke)					. Diff.	Temp.		Data Temp.	Casing Data Press. Temp.		Duration		
No.	(Prove:			ice)		DIII.	}				1		of Flow	
	•				psig h _w		°F.		o _F ,	psig	°F∙		Hr.	
SI			1-2/2		122		82	2365 432	82	2365 984	 	3	hrs.	
1. 2.	3/4			432		02	4)&		705					
3.										 				
4. 5.					 -				 		 	 		
2.					ļ	<u> </u>								
	Coefficient				Ī	FLOW CALCULATIONS Pressure Flow Temp.				Gravity Compress. Rate of Flow				
No.							Factor		Factor Fac		tor Q		CFPD 025 psia	
	(24-Hot						Ft		Fg	F _{pv}		6 15.025 psia 5328		
1. 2. 3. 4.	12.3650		+			444	.9795		.9463 1.04		5320			
3.														
4.														
2.1							l							
						Pl	RESSURE (CALCUIATI	IONS					
Gas I	Liquid Hy	droca	arbon	Rati	٥		_cf/bbl		Speci	ific Grav	ity Sep	arato	r Gas	
	ity of Li				ons 1-e ^{-s}		deg	•	Spect	ific Grav	P2	wing 564	71u1a 50.1	
'c				'	1 -c ,	<u>/</u>		-	- c 					
 -	Þ													
No.	$P_{\mathbf{W}}$		$P_{\mathbf{t}}^2$	F	_c Q	(F _c Q)	2 (F _c Q) ² 1-e ^{-s})	$P_{\mathbf{w}}^2$	$P_c^2 - P_w^2$	C	al.	$\frac{P_{\mathbf{W}}}{P_{\mathbf{C}}}$	
	Pt (psi	la)					(1-e ^{-s})	992.0	4658.1		Pw	-419	
1. 2.				 					776.0	4070.1				
3. 4.				1						-				
4. 5.						 				<u> </u>				
	olute Por		al·	61	59	<u> </u>	MCFPD	; n <u>.75</u>						
COM	PANY_Kay	y Ki	mbel.	01	l Ope	rator								
ADDI	RESS P.(O. B	ox 1	097.	Farm	ington	New M		ction S	int.			1201	
	NT and T. NESSED_			viditig!	بر ب	. 27 <u>. 966</u>						ut		
	PANY													

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

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.
- Pc= 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater.
- 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.
- Ft Flowing temperature correction factor.
- Fpv Supercompressability factor.
- n _ Slope of back pressure curve.

Note: If Pw cannot be taken because of manner of completion or condition of well, then Pw must be calculated by adding the pressure drop due to friction within the flow string to Pt.