MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Form C-122 Revised 12-1-55

Pool	Undesi	gnate	d	F	Formation Mesaverde				County San Juan			
	itial X Annual_				Special				Date of Test10/10/61			
											1	
Unit	_ D s	ec26	5 _Twp	3	10 Rg	e. <u>12</u>	Purc	haser <u>El</u>	Paso Na	tural	Gas Co.	
Casi	ng 4% W	t. 10.	<u>.50</u> I.	D. 4.	040 Se	t at <u>34</u>	10 Pe	rf. 337	41	ro33	91	
Tubi	ng 15 W	t. 2.7	76 I.	D. 1.	610 Se	t at 338	1Pe	rf		ro <u>33</u>	81	
	Pay: From											
Prod	ucing Thru:	Cas:	ing	/63	Tu	bing X	Sin	Type Wegle-Brade	11 Singl	e- Gas	0. Dual	
Date	of Complet:	ion:	10/2	/ 61	Раске		ED DATA	neservo	Tr. lemb.			
Test	ed Through	(Rocso	MX) ((Choke)	(Mathema)				Type Tap:	5		
			low Da				Tubing		Casing Da	ata	Donatio	
No.	(Prover) (Line)	(Project	igg'r		J			Temp.	Press.	l	Duration of Flow Hr.	
SI	Size	51	ze	psig	W W		1293		1293		7 days	
1.		3/4	4	143	3		143		623		3 hr.	
2.					 		· · · · · · · · · · · · · · · · · · ·					
3.												
4. 5.				<u> </u>	<u> </u>	L		L		<u> </u>		
						FLOW CAL					0.73	
No.		Coefficient (24-Hour) $\sqrt{h_w p_f}$			ressure psia	Flow Temp. Factor Ft					Rate of Flow Q-MCFPD @ 15.025 psia	
	12.3650			<u>L</u>	155	l	1.0000					
1. 2. 3. 4. 5.												
3 _e												
5.										L		
					PF	RESSURE O						
	iquid Hydro ty of Liqui				 -	cf/bbl. deg.			ific Gravi ific Gravi	ty Flow	ing Fluid	
				1-e ^{-s})			_	Pc	1305	_Pc	1703.0	
-								Pw	635 I	<u>*</u> 2	403.2	
No.	P _w	Pt	F	cQ.	(F _c Q) ²	2 (F	(cQ) ² (-e-s)	P _w 2	$P_c^2 - P_w^2$		1. Pw Pc	
1.	Pt (psia)							403.2	1299.8		w P _c .486	
2.							F					
3. 4.												
5.											L	
Absc	PANY So RESS 20	ial:_ uthwe	2.2 st P	258	tion Co	MCFPD	n .	75 M				
AGEN	IT and TITLE	G.	L. H	offma	n, Proc	luction	Engine	er				
MIIN	NESSED									MITT	TIPLE	
COMI	PANY					RE	MARKS		7	0111	MILLI	
										0071		

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
- PwT 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
- P_{f} Meter pressure, psia.
- $h_{\mbox{W}}\mbox{-}$ Differential meter pressure, inches water.
- F_{g} Gravity correction factor.
- $F_{\mbox{t}}$ Flowing temperature correction factor.
- F_{DV} 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_{+} .