MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Form C-122 Revised 12-1-55

Pool Basin Dakota						Formation Dakota						County San Juan				
Init	ial	x		_Annua	al	 		Sp	ecial	1		D	ate c	of Test	3,	/31/61
Comp	any So	outh	mst P	roduct	ion	Сотр	any j	Lease_	M	idge Fe	deral		W	Well No	1	
Unit	, <u>A</u>	S	ec30	Twp	o	27N	Rge	e. 11W		Purch	aser	El I	Paso	Matura	l Gas	Company
Casi	ng 5½"	W	t. 15.5	I	.D	1.990	Se	t at	6490	Per	·f	633	6	To	6368	
Tubi	ng 2 3/1	3" W	t. <u>4.7</u>	<u> </u>	.D1	.995	Set	tat_	6358	Per	f			To	6358	
Gas	Pay: F	rom_	6336	_To_	368		L 6350	3	_xG_	.67	=GL			Bar.	Press	. 12.0
Prod	lucing T	hru:	Cas	ing			Tul	oi.ng	X		_Type V	Well		Single	-Gas	
	of Com									Sing	(Le-brac	<u>aenn</u>	eau-c	re tre to	r G.O	• Dual
		-					-			DATA						
Test	ed Thro	uøh		**) ((Thok	e) (1	MATER)					т	vpe T	aps		
						- 7 7 -			,	Tubina	Doto			Data		-
$\neg \top$	(Prov	er)	(Cho	low Da		ss.	Diff.	Temp		Tubing Press.			ress.		p.	Duration
No.	(Lin		XIVEXX Si	•	ps:		hw	\circ_{F} .		psig	o _F .		psig	o _F		of Flow Hr.
SI					po.		W			349		+	2049			7-Day
1.1			3/4		37	5		78	1	376		1	999			3-Ar.
2. 3.									士							
4. 5.									_			+			_	
								et ow c	AT CIT	ATTONS						
7	11000000												te of Flow			
No.	(24-Hour)		$\sqrt{h_{\mathbf{w}}p_{\mathbf{f}}}$		ps	ia			r Facto					-		
1.	12.3650		V JWPI		-		.9831		.9463					4,633		
2. 3. 4. 5.																
4.																
ravi	iquid H	iqui	d Hydr	ocarbo				essure ef/bb de	1.	CU'ATIC	Spec Spec P _C	cifi 2061	c Gra		lowin 4247	
No.	$P_{\mathbf{w}}$		Pt	F			$(F_cQ)^2$		(F _c Q (1-€)2	P _w 2		P _c ² -I	2	Cal.	P _w P _c
\downarrow	Pt (ps	ia)		<u> </u>					(1 - €	-s)	22.1	٠,	225.		P _w _	P _C
1 :												Ť				
1. 2. 3. 4.						+										
5.																
COMF ADDF AGEN	PANY PESS T and T PESSED PANY	Sout	hwe st	Produ	etio	n Condg., fman,	Farmi	ngton, Produ	•		Man		The second secon			
	## N===# (N#W) = 1 * *	-1-10-27-0	r i gang sawa a lma nisaan m	naga a cara ma - Alba M T - V	- ·	a con campo andro de	and the second s	me a milyamintha ribb il ligi. Genera n	ner trust s	gr gg-odraed	onanes and a con-	Α.	PR1	0 1961	eggeneration of a second	e e seus e rec es de la casa de la c
											,	1 City	n tuti A			

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
- 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.
- F_{pv} 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 $P_{\mathbf{t}}$.