Form C-122
Revised 12-1-55

## MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool	Tapacito	<u> </u>		F	ormation	Pietu	red Cliff	<u>re</u>	County	Rio A	rriba		
Init	ial		Annu	ual		Spec	ial		Date of	Test	8-31-6	4	
Comp	any <b>Secony</b> I	<b>(b)</b>	Oil Co	., Inc		Lease	Mearille	В	Wel	l No	7		
Unit	X S	Sec1	<b>8</b> _Tw	p. <b>_261</b>	Rg	e	Purc	haser_	1. Paso Nat	bural (	les Co	pany	
	ng 44 W												
	ng <b>2-3/8</b> W			Çirin de la companya									
	Pay: From		1 1 1	en de la filosofia									
Dat o	ucing Thru:	ione	A .92 .6		Paalsa		Sin	gle-Brad	enhead-G.	G. or	G.O. D	ual	
Dave	of Complet	1011:	U-E3-C	<del></del>	racke			neserv	orr lemb.			······································	
							ED DATA						
reste	ed Through	(Pro	ver) (	<u>Choke)</u>	(Meter)				Type Tap	s	<del></del>		
	(Prover)	Flow Da			rta Press. Diff.		Tubing	Data Temp.	Casing Data		• Duration		
No.	(Line)	(Ori	fice)			-		1		, -		of Flow	
SI	Size 2"	<del></del>	750	psig	h <sub>w</sub>	°F•	psig <b>1019</b>	°F.	psig	F.	+	Hr.	
1.				310			310	47	548			Hea.	
3.												7 day	
5.			· · · · · ·								<del> </del>		
				•		FLOW CAL	CULATION	S					
vo.	Coefficient		P	Pressure Flow Temp.				ity Compress. Rate of Four Factor Q-MCFPD					
	(24-Hou	r)	$\sqrt{h_{w}}$	$p_{\mathbf{f}}$	psia	F,	t	Fg	$F_{p\mathbf{v}}$		@ 15.025 psia		
L.   2.	12.3650				329	1.0127		9 <b>43</b> 6_	1.050		3,995		
L. 2. 3. 4. 5													
5.													
					PRI	ESSURE CA	ALCUTATI	ONS					
	iquid Hydro			o					ific Gravi				
			Hydrocarbons(1-e <sup>-S</sup> )			deg.		P <sub>C</sub> 1631			y Flowing FluidP <sup>2</sup>		
								-	<del></del>				
vo.	$P_{\mathbf{W}}$	Pf	F	<sub>c</sub> Q	$(F_cQ)^2$	(F.	-0)2	P. <sub>w</sub> 2	$P_c^2 - P_w^2$	C	al.	P	
	Pt (psia)	- T		c ·	(- G4)	(i.	Q) <sup>2</sup> -e <sup>-s</sup> )	···		<b>I</b>	Pw	P <sub>W</sub> P <sub>C</sub>	
	560							313.6	749.3	<del> </del>			
bsol	ute Potent					MCEDD					9.85	1 4001	
OMP/	MY BROWN	11	dil c	in . In	e .	MCFPD;	11	5	<del></del>	7.47		1.3001	
ルコンハコ	SS p a Bo	PaW.	Thee?	ingten er - P	rod. For	rieo							
VI:TNE COMPA	ESSED					T							
istb	: MOCC (4	•)		<del></del>		REM	ARKS wel	l Shut-i	n 7 days p	rior t	o test		
	El Paso Mat.Gas Co. (3) Mobil, Fun. (1)									ATILA			
	161 Kibro	(1)	•						af	LLIV	LD/		
	Well Fil	a(1)							/ / / / /		۱	<b>l</b>	

SEP L 0 1964

## 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 = 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. 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.
- $F_{\sigma}$  Gravity correction factor.
- Ft Flowing temperature correction factor.
- F<sub>nv</sub> Supercompressability factor.
- n I 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 P<sub>t</sub>.