## MOBBS OFFICE OCC

Form C-122

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

	ial	A	nnual	I	Spec	ial		Date of	f Test. 6	/9 time 6/17/	
Comp	any	the Chie O	Li Coupes	•	Lease	State 1	ic@reil	ia Z	all No	1	
nit	¥	Sec. 🌃	Two. 19-	€ Ro	, X-4	Dune		Permies R	anin Pin	eline Gespany	
asi	ng 7.0	Wt. 24.0	T.D. 6.		3	rur( B25	maser				
ubi	ng 2.875	Wt. 6.5	T D \$		u at	72.kg	rr	2668	_To		
as	Pav: Fro	m 3225 m		Se	t at	Pe	erf	<del></del>	_To	3672	
rodi	cing Thr	m 3225 To		b	x	G asale		2300	_Bar.Pre	ss. <b>13.2</b>	
2+0	of Comple	u: Casing	e AG	Tu	bing	Sin	Type W gle-Brad	ellenhead_G.	G. or G	.O. Dual	
100	or compte	etion:	~/ /~	Packe	, , , , , , , , , , , , , , , , , , ,	<del></del>	Reserv	oir Temp.	-		
						ED DATA					
este 	ed Through		(onere)	(Meter)				Туре Та	psP	20	
Т	(FFETEF)	Flow (choke)		Diff. Temp.		Tubing Data		Casing Data			
	(Line)	(Orifice	) ]	1 1		1	Temp.	Press.	Temp.	Duration of Flow	
╁	Size	Size	psig	h <sub>w</sub>	o <sub>F</sub> .	psig	L	psig		Hr.	
	10	1,00	Wint	2.5	72	MAT.	92	Packer	***	784 hr. 8.1.	
上	<b>1</b>	\$100	150 J	13.3	79	10.5	7)	"		the br.	
F	1.	5,00	1,60,2	19.4	83	384.1	0		4040	23-3/4 hr.	
	(24-Hot	34.	√ h <sub>w</sub> p <sub>f</sub> psi		0.9706 0.9622 0.9795		Factor Fg C. M. J.	Factor F <sub>pv</sub>		Rate of Flow Q-MCFPD @ 15.025 psia	
				1304	0.7700		J. Hilly	1.056		This	
Liq ity	uid Hydro	carbon Rat d Hydrocar	io	San'	SSURE CAI	····	Specii	ic Gravit	ty Flowin	ator Gas ng fluid	
	W	2		_	ľ			2 ~	İ		
P	w (psia)	683.3	7 <sub>c</sub> Q	$(F_cQ)^2$	(F <sub>c</sub> Q (1-e	-3)  _	P <sub>w</sub> 2	$P_c^2 - P_w^2$	Cal.	P <sub>W</sub> P <sub>C</sub>	
P.	(psia)	663-12 1 512-2 1	.700	战别	5.08 24.42	3)	9.3	186.3	Cal.	Pc	
P		663.2 522.2 127.3	.700	(F <sub>c</sub> Q) <sup>2</sup>	3.06 24.42 33.96	3)	36.5 36.5	186.3	P. 629.6 732.5 679.2	P <sub>c</sub> 21.72	
P. P. P. T. T. S.	(psia)	663-12 512-12 127-3 127-3 14 128-3 14	7.700 1.512 1.757 1.866	16-33 207-03 204-55	5.08 24.42	-3)	\$9:3 \$4:3 \$4:3	126.3	P. 627.6	P <sub>C</sub>	
P	(psia)	663-12 512-12 127-3 127-3 14 128-3 14	700 1,512 1,552 1,550 1,550 1,550 1,500 1,	16-33 207-03 204-55	MCFPD; n	-3)	\$9:3 \$4:3 \$4:3	186.3	P. 629.6 732.5 679.2	P <sub>c</sub> 21.72	

7" O.D. casing perforated as fellows: 3225-32k5, 3265-3280, 3290-3310, 3600-3k20, 3k60-3k85, & 3570-3685.

## 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 ( $P_{\rm W}$ ). MCF/da. @ 15.025 psia and 60° 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.
- Fg Gravity correction factor.
- $F_t$  Flowing temperature correction factor.
- F<sub>DV</sub> Supercompressability factor.
- n I Slope of back pressure curve.
- Note: If  $P_{\rm W}$  cannot be taken because of manner of completion or condition of well, then  $P_{\rm W}$  must be calculated by adding the pressure drop due to friction within the flow string to  $P_{\rm t}$ .