MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

FO:	rm.	C-122			
1	30	٦.	<i>e</i>		

FOOT	Vullera	reak Di	KOES	F	rmation	) NEWO	75-4	<del></del>	County_	34	in James
Initial Annual Annual					Special			Date of Test_9-2-59			
Comp	any <b>Pan A</b>	merican	Petrol	rum Co	ep.	Lease	red Fe	sel "J"	We	11 No	1
Unit	G	_Sec <b>_</b>	<b>L</b> Twp		R <sub>E</sub>	ge <b>1.0</b> W	Pur	chaser_	wthern th	ion Cas	Company
Casi	ng 4-1/2	9. Wt.11.	5 6 I.:	4.0 3.4 ·C	)90 )00 Se	et a.t <b>65</b>	<b>41</b> F	erf. 637	<u> </u>	To 64	.20
Tubii	ng 2-1/8	Wt. A.	7 I.i	1.9	195 Se	t. at. 63	42 T	oper	ended; n	o perfe	rations
								estGL 4			
	ucing Thr	u: Ca	sing		Tu	ibing I	Si	Type W ngle-Brad	ell <b>Sing</b> enhead-G.	G. or	G.O. Dual
Date	of Comple	etion:_	0-44-7	<del></del>	Packe	r nome		Reserv	oir Temp.	14007	<u>'</u>
						CBSERV	ED DATA				
Teste	ed Through	n <b>(500</b>	(C)	oke)	(FEET)				Type Tap	ps	
	/=		Flow Dat	a			Tubin	g Data	Casing I		<b>T</b>
No.	(Line)	(677	F100)			Temp.		. Temp.	Press.	1	of Flow
	Size		ize	psig	h <sub>w</sub>	°F.		°F.	psig	°F∙	Hr.
SI 1.	Shut in	3/4	*	130		600(ast)	1991 478	<del> </del>	1991	-	) hours
2 <b>.</b> 3.											
4.								<u> </u>			
5. 1					<del></del>						
<del></del>	Coeffic			- Don		FLOW CALC					
No.				_	essure			Gravity Factor			Rate of Flow Q-MCFPD
		our)	$\sqrt{h_{\mathbf{w}}^{\mathbf{p}}\mathbf{f}}$		osia	Ft	5	F <sub>g</sub>	Fpv		@ 15.025 psia
2. 3. 4.	12.365	<del></del>			4.2	1000		0.9258	1.04	2	<b>4079</b>
3.											
						<del></del>					
				<del></del>					<del></del>		
					PRI	ESSURE CA	ALCUI AT.	LONS			
	quid Hydr y of Liqu			<del></del>		cf/bbl.		Spec:	lfic Gravi	ty Sepa	arator Gas
	, or breeze		(1-	e=s)		deg.		P <sub>c</sub>	2003	$P_c^2$	ving Fluid 012,009
lo <b>.</b>	$P_{\mathbf{w}}$	Pt	2		(E 0)2	(7)	0)2	D 0	p <sup>2</sup> p <sup>2</sup>		
	Pt (psia)	Pt	F <sub>c</sub> Q		$(F_cQ)^2$	(Fc	Q) <sup>2</sup> e-s)	P <sub>w</sub> 2	$P_c^2 - P_w^2$		$\frac{P_{\mathbf{W}}}{P_{\mathbf{C}}}$
•		<del></del>						948,676	3,063,33	3	W
		<del> </del>				<del></del>					
										<del></del>	
	nto D-	<del></del>	L602					· ·	L	<u></u>	
OMPA		an Ame	4993				n 0.7	<del></del>			_
	SS						<del>Partito</del>	<u> </u>	0	POLIL	
GENT LTNE:	and TITL SSED	L A. A	. DATE!	WF.,	VLAS P	OF LROOP	FLOIL.	Jano,	6 /0	<del>                                      </del>	
OMPA									1-12		1059
						REMA	RKS		1	SEP 9	1959
									, O	IT COM	
										T:: :	

## 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  $\equiv$  Actual rate of flow at end of flow period at W. H. working pressure (P<sub>W</sub>). MCF/da. @ 15.025 psia and 60° F.
- P<sub>c</sub>= 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.
- $F_g$  Gravity correction factor.
- Ft Flowing temperature correction factor.
- Fpv Supercompressability factor.
- n I Slope of back pressure curve.

Note: If  $P_{W}$  cannot be taken because of manner of completion or condition of well, then  $P_{W}$  must be calculated by adding the pressure drop due to friction within the flow string to  $P_{+}$ .