Revised 12-1-55

MULTI-POINT	BACK	PRESSURE	TEST	FOR	GAS	WELLS
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Poc	ol <u>Under</u>	ignate	ed	F	ormatio	n Me:	eaverde		County_	Sai	Juan	
Initial X Annual_						Special			Date of Test_ 4/24/61			
Сот	pany_ Sout	hwest	Product	ion Con	pany	Lease	Hughle	tt Smith	We	ll No	1	
											Sas Company	
											ess. 12.0	
									ell Sing			
Date	e of Compi	letion:	4/17/	61	Packe	r	Si	ngle-Brad Reserv	enhead-G.	G. or (G.O. Dual	
									our romp •			
Tested Through (Choke) (Choke) (Type Taps												
	/Proves	X 1 70	Flow D	7				g Data	Casing I)ata	T	
No.	(Line)	(XXX	hoke)		Diff.	•		Temp.		1	Duration of Flow	
SI	Size		Size ———	psig	h _w	° _F .	psig 1490	°F.	psig 1490	°F•	Hr.	
1.		3,	/4 ⁿ	340		67	340	67	625		7-Day 3-Hr.	
3.								 				
4. 5.										 		
<u> </u>				<u> </u>								
	066:		- 			FLOW CALC						
No.	Coeffi	cient		Pr	essure		emp.	Gravity Factor	Compre Facto		Rate of Flow Q-MCFPD	
	(24-Hour) \[$\sqrt{h_{w}}$	h _w p _f psia		Ft		Fg	Fpv	1	@ 15.025 psia	
1. 2.	12.3650				352	.9933		.9463	1.03	8	4,246	
3,												
4. 5.												
2.1												
				•	PRE	ESSURE CA	LCU ATI	ONS				
as L	iquid Hydi	rocarbo	on Ratio)		cf/bbl.		Speci	fic Gravi	tu Sann	matam Cas	
ravit	ty of Liqu	uid Hyd	irocarbo	ns		deg.		Speci	fic Gravi	ty_Flow:	rator Gas ing fluid	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$												
						Pw			637 P _w 2 405.7			
No.	$P_{\mathbf{w}}$	F	$\frac{2}{t}$ $\frac{1}{F_c}$	Q	$(F_cQ)^2$	(F)	2)2	P _w 2	$P_c^2 - P_w^2$	Col		
	Pt (psia))			(-64)	(1-	⊋) ² e ^{-s})	'w~	rc_rw	Cal P		
2.								405.7	1850.3	<u> </u>	.424	
3.										 		
5.		 								† · · · · · · · · · · · · · · · · · · ·		
	ute Poter	+ 1014								<u> </u>		
OMPA	NY_ Sout	hwest	Product	925 ion Com	pany	_MCFPD; r	1 .75					
DDRE	SS <u>162</u>	Petr.	Center	Bldg.,	Farming	ton, New	Mexico					
	and TITI	ம் <u>ப</u>	selde [. north	en, Jr.	, Product	ion For	reman				
OMPA												
						REMA	RKS	/	TOFIL IN	A. B. Jan		
								/R	11,717			
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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 60° 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
- P_f Meter pressure, psia.
- hw Differential meter pressure, inches water.
- FgI Gravity correction factor.
- F_t Flowing temperature correction factor.
- Fpv Supercompressability factor.
- n _ 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 $P_{\rm t}$.