MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

	Form C-122
	Revised 12-1-55
Ben ,	Juan
	9-14-60
No	1
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	7445
ar.Pr	ress <u>12</u>
ingle or	G.O. Dual
-	
ca Cemp.	Duration
°F.	of Flow Hr.
-	? Days
	3 250279
3.	Rate of Flow
•	Q-MCFPD @ 15.025 psia
12	3.031
Sep	arator Gaswing Fluid
Sep.	arator Gas_wing Fluid_4,139,481
Ca	arator Gas_wing Fluid
Ca	al. Pw
Ca	al. Pw

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	Ann	ual		Spec	ial	····	_Date of	Test	9-14-60
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bing 1-3/0"									7423
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oducing Thru:					Sin	gle-Brade	nhead-G.	G. or (3.0. Dual
te of Complet	ion:	9-60	Packe	r	<u> </u>	Reservo	ir Temp		
				OBSERV	ED DATA				
sted Through	(Prover)	Choke)	(Meter)				Type Tap	s	
	Flow I					Data	Casing D		T
(Prover) (Line)	(Choke) (Orifice)		1 1	-		Temp.	Press.	ļ	Duration of Flow
Size	Size	psig	h _w	°F.		°F.	psig		Hr.
	3/4*	140		78*	2047 140		2063 723		? Days
<u> </u>	<u> </u>		L			1		l	
Coeffici	ent	Pr			CULATION Temp.		Compre	ss.	Rate of Flow
				Fac	tor	Factor	Facto	r l	Q-MCFPD
12,365	0 _	Pi	252	0.9	33	9.9633	1 pv	022	@ 15.025 psi
12,363									
							<u>., l.,</u> .		
			PRI		ALCUTATI	ONS			
Liquid Hydro vity of Liqui				cf/bbl. deg.					rator Gas ving Fluid
	(1-e ^{-s})				Pc	2059	_P _c	4, 239, 481
P _w	 _								
•	$P_{\mathbf{t}}^2 \mid \mathbf{F}$	_c Q	$(F_cQ)^2$	(F,	cQ) ² -e ^{-s})	P _w 2	$P_c^2 - P_w^2$		P _W
Pt (psia)				(1.	-e ⁻³)			1	w Pc
1								+	
		3359				.75		<u> </u>	
solute Potent	thi-Taylor	OII Co			n	· · · · · · · · · · · · · · · · · · ·			
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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 I 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
- Pf Meter pressure, psia.
- $h_{\mbox{W}}$ Differential meter pressure, inches water.
- Fg Gravity correction factor.
- Ft Flowing temperature correction factor.
- Fpv 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 $P_{\mathbf{t}}$.

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