Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

	underig		•							
nit	ialX		Annual		Spec	ial		_Date of T	Cest	/6/59
ompa	any Astec	Cil an	d Cas Co	apatry	Lease	Grenier		Wel]	No	8
nit	s	ec. 18	Twp _	R	ge. 11-W	Purc	haser			
	ng 4 1/2 W								lo 27	X
ıbiı	ng 1° W	t. 1.7	I.D.	1.049 Se	et at	708 Pe	rf. 2 68	93	ro 26	93
									Bar.Pres	3•
ıt.e	ucing Thru: of Complet	ion. 1	0/6/59	Packe		Sin	gle-Brade	enhead-G. (or G.	O. Dual
	- 2800'	1011		rack(,11 10mp •		
						ED DATA				
ste	ed Through	Prove	Chok	e) (Mercer				Type Taps	5	
	/b \		ow Data	7.00		Tubing		Casing Da		Duratio
	(Prover) (Line)	(Craff	e) Pre	ss. Diff	1		Temp.		Temp.	of Flo
_	Size	Siz	e ps	ig h _w	°F.	psig	° _F ,	psig	[⊃] F•	Hr.
+		.790	7.9	0	 	693	65	190		8 days
						4 23.22				
╀							<u> </u>			
+										
•	Coeffici		$h_{\mathbf{w}} \mathbf{p_f}$	Pressure psia		Temp.	Gravity	Compres Factor Fpv	- (ate of Flow Q-MCFPD 15.025 psi
工	12.3650			202	.99	52	.9608	1,019		علايار2
					<u> </u>					
土										
\perp									<u></u>	
	iquid Hydro	ca rhon	Ratio	PI	RESSURE C			fic Gravit	tv Senar	ator Gas
Τ	ty of Liqui	d Hydro	carbons		deg.		Speci	fic Gravit	y Flowin	ng Fluid
vit			(1-e ⁻	5)		•	Pc	705	Pc 19	7,025
vit									1	1
vit			Т					i 2 ^		• Pw
vit	P _w (psia)	P _t ²	F _c Q	(F _c Q) ²	(F (1	(cQ) ² -e ^{-s})	P _w 2	$P_c^2 - P_w^2$	Cal P _w	P _W P _C
vit	P _w		F _c Q	(F _c Q) ²	2 (F	cQ) ² -e ^{-s})	P _w 2	P _c -P _w ²	P _w	Pc
vit	P _w (psia)		F _c Q	(F _c Q) ²	2 (F	(cQ) ² -e-s)			P _w	Pc
vit	P _w (psia)		F _c Q	(F _c Q) ²	2 (F	cQ) ² -e ^{-s})			P _w	Pc
vit	P _w (psia)	Pt ²		(F _c Q) ²			61,009		P _w	Pc
vit	P _w (psia)	Pt ²	2,7%			cQ) ² -e ^{-s})	61,009		P _w	Pc
vit	Pw (psia) 253 lute Potent ANY AST	Pt ial:	2,736 and Gas		MCFPD;	n	61,009 85	h33,036	Pw	Pc
vit	Pw (psia) Lute Potent ANY AST ESS Pox	Pt ial:	2,736 and Gas		MCFPD;	n	61,009 85		Pw	Pc
sol MPA DRI	Pw (psia) 253 lute Potent ANY AST	Pt ial:	2,736 and Gas		MCFPD;	n	61,009 85	h33,036	Pw	Pc

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 ($P_{\rm w}$). MCF/da. @ 15.025 psia and 60° F.
- P_c 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- PwI 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.
- $h_{\mbox{W}}\mbox{\fontsize{$\mbox{$\sim$}}}$ Differential meter pressure, inches water.
- F_g Gravity correction factor.
- F_{t} 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 $P_{\mathbf{t}}$.

OIL CONSERV	ATION COMMISSI	ON!
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Operator	*CAMBIEL	المحمد
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