Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Po	001			Formati	onYat	es		County	Lea		
In	itial X									Dec. 11-12, 196	
Company Robert A. Dean					_Lease_	Lunt		—— W∈	- No.	1	
Un	it I	_Sec 2 0	Twp	22 S F	Rge. 36	E Pur	chaser 1	lone	,11 NO	<u> </u>	
	sing4 1/2								~ 22	204	
Tul	bing 2 3/8	Wt. 4.7	D T.D.	1.995	tet at 3	691 V n	eri		_To	20	
Gas	s Pay: From	n 3227	—— 132) То 332)	, , a	227	- 470	eri		_To		
Pro	ducing The	· Coo	_10	<u>-</u>		ing Type W			Bar.Press.13.2		
Da+	ce of Comple		1/5/61	Y	ubing	Sir	Type W ngle-Brad	ell GO D enhead-G.	G. or (G.O. Dual	
Dat	e or compre	tion:	4 1/ 04	Pack	er		Reserv	oir Temp.		STOT DUST	
_						ED DATA					
Tes	ted Through	(Prove	er) (that	(Mariner)			Type Tap	os		
	Flow Data (Prover) (Choke) Press.						Data				
No.	(briens)	(Guckski		ss. Diff.		Press.	Temp.	Press.			
ST	Size	Siz	e ps	ig h _w	°F.	psig	°F.	psig	[⊃] F•	of Flow Hr.	
SI 1. 2. 3.	2	1/4	25		60			287 25		24, 24	
3.		 									
4.											
5. !		<u> </u>									
					FI.OW CAT.	TIT ATTONS			·		
No.	Coefficient Pr			Pressure	Flow 7	LCULATIONS Temp. Gravi		ity Compress. Rate of Flow			
140.	(24-Hour) $\sqrt{h_w p_f}$		$h_{\mathbf{w}^{\mathbf{p}}\mathbf{f}}$	nsia	Factor		D- 1	1 - 1		Q-MCFPD	
1.	. 1.403		WPI	38.2	38.2 1.000		F _g		_	@ 15.025 psia	
1. 2. 3. 4. 5.				75,2	1.00		.9463	1.00	0	51	
4.											
5.											
								- L -			
				PRE	ESSURE CA	LCU ATIO	NS				
las Li	iquid Hydro	carbon R	atio		cf/bbl.		Specif	ic Gravit	v Separ	ator Gas	
	ty of Liquid	и нустос	arbons (l-e ^{-s}		deg.	i ut ut toy it towning it tulu					
							Pc	20.2	Pc		
	P _w			Τ	· · · · · · · · · · · · · · · · · · ·						
No.		P _t ²	F_c^Q	$(F_cQ)^2$	(F)	2)2	פ מ	$P_c^2 - P_w^2$	0.3	_	
	Pt (psia)			(-64)	(1-¢	⊋) ² e⁻s)	P _w 2	Pc-Pw	Cal.	, w	
1 •										+'c	
3.											
1. 2. 3. 4.										-	
											
COMPA	ute Potenti NY <u>Robert</u>	A. Dean			_MCFPD; n					-	
ADDRE	SS c/o 01]	Report	a & Gan	Services.	Box 763.	Hobbe.	law Kawin				
AGENT VITNE:	and titing	1.2.	Amut		Independ	ent Gas 1	Cester	<u> </u>			
COMPAI		· —									
					REMAR	KS					

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
- PwT 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.
- Ft Flowing temperature correction factor.
- Fny Supercompressability factor.
- n _ 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 $P_{\mathbf{t}}$.