MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised	12-1-5	ב

Poo	Underionat	ed Pale	ta	Forma	ation_	R	kota		_County_	S O A	Joen	
Initial Annual				Special								
Con	npany balbi	-Tayler	011 Co	D.	Le	ease	Delbi-M	Açe	Wel	l No	9	
Uni	it <u>ME/4</u>	Sec	Twp.	31-5	Rge.	11-4	Purc	haser_ =				
	ing 5-1/2 V						-	7496	-7514	To_ 7	80-18 24-64	
	oing 1-1/1 V							7328	_24			
	Pay: From											
	ducing Thru									-		
	e of Complet						Sin	gle-Brade	nhead-G.	G. or (G.O. Dual	
240	o or compres						ED DATA	iteser vc	orr remb.	 		
тол	tod Through	/#\&.#.#.#	!♣ \ (α⊩-	\ /#c#		ODDER V	ED DATA		m m			
	ted Through						,		Type Tap			
	(Prover)		ow Data		iff.	Temp.		Data Temp.	Casing D		i Duration	
No.			ce)			o _F .					of Flow	
SI	prze	312	e p	sīg	h _w	r.	psig	Γ.	psig		Hr.	
1.		3/	4- 1	77		67	307	87	632		7 Days 3 Mairs	
1. 2. 3.												
<u>J.</u>		¦								ļ		
4. 5.					_							
					nt		OVE A SECOND	~				
	Coeffici	ent		Press	ure		CULATION:	Gravity	Compre	99.	Rate of Flow	
No.				1					Facto			
		4-Hour) $\sqrt{h_{w}p_{f}}$		psia		Ft		Fg	F _{pv}		@ 15.025 psia	
1. 2. 3. 4. 5.	11,363			21		0.17	750	0,1665	1.01		34.0	
3.				 								
4.												
5.												
					PRES	SURE CA	ALCUTATIO	ONS				
						- 4						
	Liquid Hydro ity of Liqui				c	f/bbl. deg.					rator Gas ing Fluid	
				-5)				Pc 3	Lil		535364	
				-				Ų 		· ·		
	$P_{\mathbf{W}}$		Т			1				 		
No.		$P_{\mathbf{t}}^{2}$	F _c Q	(F	_c Q) ²	(F	_{cQ)} ² -e ^{-s})	P _w 2	$P_c^2 - P_w^2$	Ca	$\frac{P_{\mathbf{W}}}{P_{\mathbf{C}}}$	
-	Pt (psia)					(1-	-e ^{-s})			P	w Pc	
1. 2.						 				 		
<u> 3. :</u>												
4.			 							+		
5.			94	75		<u> </u>		75		L		
Abso	olute Potent PANY	ial felhi-fi	gior Ci	1 Corp.	<u> </u>	MCFPD;	n	79				
	RESS	P. C. D.		35, 76	THE RESIDENCE		Harris P.	0				
	VT and TITLE		T, Carr	y - 174	PE - MARK	N. SER	190	10 her	Mac			
	NESSED PANY		red the	Co.								
						REMA	RKS		A PARTY NAMES OF			
									of less	`*		

SEP 29 1960 OIL CON. COM. DIST. 3

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_W). MCF/da. @ 15.025 psia and 60° F.
- P_c 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.
- 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_{+} .