MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool	Angels Po	ak-Jako	ta	_For	mation	n Deli	cota		County	San Janu	<u> </u>	
Init	ial		Annual_			Spec	ial		Date of	Test_4-6	-60	
Comp	any Pan Ame	rican P	etroles	a Ces	79 •	Lease	H. H. G	11¢ "J"	Wel	1 No1	<u> </u>	
Unit	S	ec	Twp	271	Rg	ge <u>10W</u>	Purc	haser	outhern Ur	ion Gas	Concerny	
	ng 1-1/2 W										3421	
Tubi	ng 2-3/8 W	t. 4.7	I.D	1.9	Se_Se	t at 631	lo Pe	erf	Open es	To		
	Pay: From_										s 12	
Produ	ucing Thru:	Casir	ng	· · · · · · · · · · · · · · · · · · ·	Tu	bing	X Sin	Type We	ell 81	ingle-Gas). Dual	
Date	of Complet	ion:	rch 3, :	1960	_Packe	r <u>Kone</u>)	Reserve	oir Temp	1400 1	J. Duai	
						OBSERV	ED DATA					
reste	ed Through	December	(Chok	<u>e) (</u>					Type Tap	s		
			w Data				Tubing		Casing D	ata		
vo.	(Line)	(A.ini)	ł)		Temp.			Duration of Flow	
SI SI	Size	Size	ps	ig	h _w			F.	psig	F.	Hr.	
l.	SI 47 da 28	3/4	9	2		60 (est.)	1965	60 (est)	1965 421	60 (est)	3 hr.	
3.												
5.								<u> </u>				
						FLOW CAL	CULATION	s				
io.	Coefficient						w Temp. Gravit		y Compress. R r Factor		Rate of Flow Q-MCFPD	
	(24-Hou	r) $$	hwpf	psia		Ft	t	Fg	Fpv	@	@ 15.025 psia	
2.	12.365				9	1.000		.9258	1.0		1265	
),												
· .										I		
					PR	ESSURE CA	ALCUIATI	ONS				
as Liquid Hydrocarbon Ratio ravity of Liquid Hydrocarbons				cf/bbl. deg.				Specific Gravity Separator Gas Specific Gravity Flowing Fluid				
			(1-e ⁻	s)				Pc	1977	Pc 3,906	, 529	
	Ġ G											
10.	$P_{\mathbf{W}}$	P_{t}^{2}	F _c Q		$(F_cQ)^2$	(F	Q) ² e-s)	P_w^2	$P_c^2 - P_w^2$	Cal.	P _W P _C	
	Pt (psia)					(1-		87.189	3.721.0L0	Pw	P _C	
				1						1		
	ute Pocenti	ial:	1312			MCFPD:	n 0.7 5	 -	<u> </u>			
OMPA		perican	Petrole	C		tion						
GENT	and TITLE SSED	I. M.	Rausz,	dr.,	Area	Ingineer	KMI	Baur				
OMPA												
						REMA	RKS		.=			

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
- 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
- Pr Meter pressure, psia.
- hw Differential meter pressure, inches water.
- Fg Gravity correction factor.
- F_t Flowing temperature correction factor.
- F_{nv} Supercompressability factor.
- n I 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 $P_{\rm t}$.

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