MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Poo!	l hv · *	9		Fc	rmation		trained C	Little	_County	an J	ian		
Init	tial	<u> </u>	Annua	al		Spec	ial		_Date of	Te st_	11/2/-9		
Comp	oany Agrac	12 8	2) 1 .16 2	ंकु इ.स		Lease	e lica	CARRY S	Wel	l No	Ž		
Unit	; <u> </u>	Secl	L Tw	o ?	Rg	e	Purc	chaser				 	
Casi	ing 1 1/2 V	٧t	ı I	D	Se	t at	<u> </u>	erfL	()	To <u> </u>			
Tubi	Tubing 1 Wt. I.D. 1.049 Set at Perf. 109 To 109												
Gas	Pay: From_	1945	_To	1 425	L	x	:G			Bar.Pre	ess		
Prod	Producing Thru: Casing Tubing Type Well												
Date	Single-Bradenhead-G. G. or G.O. Dual Date of Completion: Packer Reservoir Temp.												
							ED DATA						
Test	ed Through	Prov	er) (C	Choke)	(Meter)	ļ.			Type Tap	s			
			low Da				Tubing	Data	Casing Da				
Ţ.,	(Prover) (C		ke)	Press.	Diff.	Temp.							
NO.	(Line) Size	(Orifice Size		psig	h _w	°F.	psig	°F.	psig	[⊃] F•		of Flow Hr.	
SI l.		**	.79)				203 313		ିତ୍ର 2 ୨ ୧ :୦		il Agis 3 hours		
2.				292			2 000		272			ACTUAL N	
<u>3.</u>		 						ļ					
<u>4. </u> 5.		 						 					
													
FLOW CALCULATIONS Coefficient Pressure Flow Temp. Gravity Compress. Rate of F												f Flow	
No.				_		tor	Factor	Factor	r I	Q-MCF	PD		
	(24-Hour) 7		√ h _w p	f :	osia F		t	Fg	Fpv		@ 15.0	25 psia	
1.	D.M.				30%	4.40		.906	1.00		315		
1. 2. 3. 4. 5.													
4.													
5。													
PRESSURE CALCULATIONS as Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gas ravity of Liquid Hydrocarbons deg. Specific Gravity Flowing Fluid													
c			(1	-e ^{-s})				Pc	415	Pĉ <u>37</u>	,25		
No.	P _w Pt (psia)	P _t ²	Fc	Q	$(F_cQ)^2$	(F	c ^Q) ² -e ^{-s})	P _w 2	$P_c^2 - P_w^2$	1	1. w	P _W P _C	
1.	3≥2							133, 34	271,174				
2• +			-+							+			
1. 2. 3. 4.										1			
Absolute Povential: MCFPD; n COMPANY Absolute Po													
ADDR	ESS					200							
AGEN' Wlun	T and TITLE ESSED	ORIC	SINAL SI	GNED BY	Z D. K. ER	YANT			t, rott	Lon :	i inet		
COMP	ANY					REM	ARKS						

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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
- PwI Static wellhead working pressure as determined at the end of flow period. (Casing if flowing thru tubing, tubing if flowing thru casing.) psia
- P_t Flowing wellhead pressure (tubing if flowing through tubing, casing if flowing through casing.) psia
- P_{f} Meter pressure, psia.
- hw Differential meter pressure, inches water.
- F_g : Gravity correction factor.
- Ft Flowing temperature correction factor.
- $F_{\rm nv}$ 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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