MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

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Revis	60	4	12	_1	-55

Pool	West Kut	s - Fra	itland	Formation	_ Frui	tland		_County_	Sen J	west .
Init	ial 🗶		Annual		Spec	ial		_Date of	Test_	was 30, 1959
Comp	any] Pan Ara	erican	Petroleom	Corro,	Lease Co	llegos (langon th	Wel	l No	77
Unit	_MS	Sec. <u>18</u>	Twp 29	RgRg	ge. 12¥	Purc	haser_KI	Paso Mat	eral Ca	s Company
Casi	ng <u>5-1/2</u> W	It. <u>14.</u>		.012 Se	et at 150	Q Pe	rf. 116	5	То	1191
Tubi	ng <u>1-1/4</u> W	it. <u>2,3</u>	I.D. 1	300 Se	et at 121	7 Pe	rf. 121	7	То	1227
Gas 1	Pay: From_	11.65	To 1191	L_ <u>1</u>	165 x	G 0.65 (est CL 7	57	Bar.Pre	ess. 12
Produ	ucing Thru:	Casi	ing I	Tv	ibing	G:	Type We	11 Sing	le Gas	3 O Dec 1
Date	of Complet	ion:	me 25, 19	59 Packe	r_None			enhead-G. oir Temp.		
					OBSERVI	ED DATA				
Teste	ed Through	Proper	(Choke	(30000)	<u>l</u>			Туре Тар	s	
			ow Data		1	Tubing		Casing D		<u> </u>
No.	(Line)	سمسم) ا	re) Press	1	- I		1	1	1	Duration of Flow
SI	Size		e psig	h _w	°F.	psig		psig	°F.	Hr.
	Shut in 7				€0°(+∉€	133	60*(00%)		80°(es	s) 3 hre.
1. 2. 3.				+						
4. 5.										
/• .:		L	·	- 	EL ON CAL	THE AMEDIA	· · · · · · · · · · · · · · · · · · ·	<u> </u>		
T	Coeffici	ent	F			Cemp.	Gravity			Rate of Flow
No.	(24-Hou	r)	hwpf	psia	Fact Ft	tor	Factor F _o	Facto Fnv	r	Q-MCFPD @ 15.025 psia
1.	12.365			141	1,000		5.9608	1.0	12	1695
1. 2. 3. 4.										
4. 5. 1										
				PR	ESSURE CA	LCU ATI	ons			
tae I i	iquid Hydro	es rhon	Patio		cf/bbl.			fic Gravi	tv Sens	arator Gas
ravit	by of Liqui		carbons		deg.		Speci	fic Gravi	ty Flow	ving Fluid
c			(1-e ^{-s})				^P c	382	_ ^r c _	17,744
No.	$P_{\mathbf{W}}$. P.2	FQ	(F _c Q) ²	(F,	Q) ² -e ^{-s})	P _w 2	P _C -P _w ²	Ca	al. Pw
	Pt (psia)	(13) z (1	C		(1:	-e-s)	21,025	124,899	- F	Pw Pc
1. 2. 3. 4.		******							1	
4.										
			1000							
COMPA	Lute Pocent NYP	IN ADDIT	Loan Potro	ous Corp	poration	n 0.85				
	ESS Be I and TITLE	X 1,87.	Panington	May M	mieo Indineer	RMS	2112	2		
WITNE	ESSED					<i></i>			CPEN	
COMPA	ANI			. 124	REM/	ARKS	· · · · · · · · · · · · · · · · · · ·	R	LLIV	tol
			e e e e e e e e e e e e e e e e e e e	. 07					JL 281	959
				** 				1	. CON.	3
									DIST.	

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 2 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
- Pf Meter pressure, psia.
- hw Differential meter pressure, inches water.
- Fg Gravity correction factor.
- F_t Flowing temperature correction factor.
- Fpv 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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