MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool	Benz	th Manc	<u> </u>	_Formatio	n_Pietus	ned certifi	'	County	S	June	
Init	ial 🔣		Annual_		Spec	cial		Date of	Test	20/3/60	
Comp	any Astec	asi e en	di Congan	y	_Lease	Ariaon	s-Jienel	Wel	1 No	3-4	
Unit	P	Sec1	Twp	258 R	ge.	Purc	haser		·		
Casi	ng 2 7/8 i	wt	50 I.D.	2,441 S	et at	197 Pe	rf	P3	То	3506	
Tubi	ngV	Wt	I.D	s	et at	Pe	rf	 	То		
										ss. 12	
Prod	ucing Thru	: Casi	ng 🗶	T	ubi.ng	C:	Type We	ell Singl	0	O D . 3	
Date	of Complet	tion:	9/23/60	Pack	er	51n	gre-Brade Reserve	ennead-G. oir Temp	G. or G	.0. Dual	
					OBSERV	ED DATA					
Test	ed Through		(Chok	e) (Marine)			Type Tap	s		
	7=		ow Data			Tubing		Casing D			
No.	(Line)	(Orifi	ce)	ss. Diff	1		Temp.		Temp.	Duration of Flow	
SI	Size	Siz	e ps	ig h _w	°F.	psig	°F.	psig	^o F∙	Hr.	
1. 2.		0.750						247	60(8)	3 bre.	
3. 4.		 			 						
5.	4										
	Cooffici	ont		D	FLOW CAL			-12			
No.						tor	Factor	r Factor		Rate of Flow Q-MCFPD	
1.	124-nou	1 4	/ h _w p _f	psia	1,0000	·	F _g	F _{pv}		0 15.025 psia	
2 . 3.											
3 c 4 •											
				PF	RESSURE C	ALCULATIO	ONS		····		
as Li	quid Hydro	carbon I	Ratio		cf/bbl.		Speci	fic Gravi	ty Sepa	rator Gas	
	y of Liqui	d Hydro	carbons (1-e ⁻⁸		deg.		Speci			ing Fluid	
							·		- 0		
No.	P _w	Pt2	F _c Q	$(F_cQ)^2$	(F.	cQ) ²	P _w 2	$P_c^2 - P_w^2$	Cal	, 17	
<u> — </u>	P _t (psia)	7.101	10.663	177.00	18.53			920.510	P	v ^P C	
1. 2. 3.											
5.											
	ute Potent		190	9	MCFPD;	n 0.85				··	
ADDRE AGENT	SS and TITLE	1 570,	Personal		STEVENS		La Ma Sta	rvens, Die	t. Rogi		
WITNE COMPA											
					REM/	ARKS	FIVED				

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
- 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
- P_{f} Meter pressure, psia.
- hw Differential meter pressure, inches water.
- F_g : Gravity correction factor.
- F_t Flowing temperature correction factor.
- F_{DV} 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_{+} .

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