Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool	L	des:	ignate	L	F	ormation	Pietur	ed Cli	îfs	County	Rio A	rriba
Init	cial_		<u> </u>	Annua	ıl		Spec	ial		Date of	Test <u>8</u>	/2/58
Comp	oany	Nagno:	lia Pet	roleu	a Com	oany	Lease	icaril]	La "G"	Wel	1 No	5
Unit	<u> </u>		Sec2	Twp	. <u>2</u>	71 Rg	e <u>3\</u>	Pur	chaserF	acific Noz	threst	
Casi	ing_ 7	5/8" W	it. 26.	40# I	D. <u>7.</u> 0	025 Se	t at 430)0'	erf	791	To <u>40</u>	681
Tubi	ing 2	3/8" N	it. 4.	<i>#</i> _I.	D. <u>l.</u>	995* Se	t at <u>4069</u>)	erf	-	To	•
												ess. 12 paia
								x	Type W	ell GG Da a	ı	
								Si	ngle-Brad	enhead-G. oir Temp	G. or (
		1	-				OBSERV					
Test	- ልብ ሞክ	rough	6 0) ((lhoke)	záliaban)				Type Tap	s =	
1650				low Da				Tubir	ng Data	Casing D	at.a	1
	(Pr	over)	(Cho	ke)	Press	Diff.	Temp.		Temp.		Temp.	Duration of Flow
No.	-	line) Size	(Orif	ze	psig	g h _w	°F.	psig	o _F .	psig	[⊃] F•	Hr.
SI 1.	2"		0.75	O#	6 6	•	61°	797 66		79 3 265	-	3 hrs.
2.												
3.			<u>'</u>					ļ	_		 	-
4. 5.												
					,		FLOW CAL	CIT ATT	MC			
No.		effici				ressure	Flow Fac	Temp.	Gravity Factor	Compre	r	Rate of Flow Q-MCFPD
			ır)	√ h _w i						Fpv		@ 15.025 psia
1. 2.	12.	3650				78	0.9990		0.939			905
3. 4.												
<u>4.</u> 5.							 					
Grav:	ity of	Liqui	ocarbon id Hydr	ocarbo	ons l-e ^{-s} /		cf/bbl.deg.		Spec Spec	ific Gravi ific Gravi 809	ty Flo	arator Gas wing Fluid
No.	$P_{\mathbf{W}}$		Pt	F	Q	$(F_cQ)^2$	(F	$(c_0)^2$	P _w 2	$P_c^2 - P_w^2$	C	al. Pw Pc
		(psia)					(1	-e-s)	76.7	577.	8 -	P _w P _C
1. 2.	27				•							
3.		_ 								 		
4. 5.				_								
COM ADD AGE	PANY_ RESS	Magnol P. O. i TITL	tial:ia Pet Box 21: EZ	roleu 06. H	bbs.	any New Mexic	co	Jr. G	as Engine	er		
	PANY_	·				<u> </u>						acom
							RE	ARKS			OIL	R[[]] UG 71958 CON COM

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 ($P_{\rm W}$). MCF/da. @ 15.025 psia and 600 F.
- P_c = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater.
- Pw 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
- Pf Meter pressure, psia.
- $h_{\mbox{W}}$ Differential meter pressure, inches water.
- Fg Gravity correction factor.
- F_t Flowing temperature correction factor.
- F_{DV} 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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