MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Poo	1 Blanco !	iesa '	Verde	Fo	ormation	Mes	a Verde		_County_	Rio A	rriba
Ini	tialX		Annu	al	الراجي - راالاشبالات	Spec	ial		Date of	Test	8-6-59
Com	pany Caulk	lns 0:	11 Go	mpany		Lease B	reech "	F. M	Wel	1 No	MD-4
Uni	t <u>A</u> 5	Sec.	33 Tw	p. 271	Rg Rg	e. 6W	Purc	haser Sou	thern Un	ion G	as Company
Cas	ing 51 W	it. 17	I	.D.4.8)2 Se	t at 7	800 Pe	rf. 54	541	To 5.	as Company
Tub	ing 11 W	it. 2	.4# _I	.D. <u>1.</u>	380 _Se	t at <u>550</u>	7¹ Pe	rf. <u>550</u>	7'	To	
Gas	Pay: From	54541	_To_ 5	5941	L 5	507 ' x	.G .66	<u>O _</u> GL	<u>3635</u>	Bar.Pre	ess. 12#
Pro	ducing Thru:	Cas	sing	No	Tu	bing Y	0.5	Type We	:11 G.	G. Du	al Del
Date	e of Complet	ion:_	7-29	-59	Packe	r 7390'	Sin	gre-Brade Reservo	enhead-G. oir Temp.	G. or	i.O. Dual
						OBSERV	ED DATA				
Test	ted Through	(730)		Choke)	(#68 <i>6</i> *)				Туре Тар	s	
~ -			low Da	a+ a			Tubing	Data	Casing D	n + c	
	(Prover)	(Cho	ke)	Press.	Diff.	Temp.		Temp.			Duration
No.	(Line) Size	(Orif	ice) ze	psig		$\circ_{\mathtt{F}}.$	psig		psig	°F∙	of Flow
SI	0120			poig	W	1.	1085		1085		7 day SI
1.		3/	4 77	72		54	72	- 54	380		3 hr test
2.											
3.]									
4. 5.										 	
											
							CULATION		·		
No.	Coeffici				press. Rate of Flow ctor Q-MCFPD						
NO.	(24-Hou	r)	√ h _w r		p si a	Fac F	Lor		Fpv		@ 15.025 psia
7-+			V WI		-	1.00	58	•9535	1.00	5	1,150
2.	14,1605							• 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7			
3。											
4. 5.								 			
<u> </u>											
					PRI	ESSURE CA	ALCUFATIO	ONS			
			.								
	Liquid Hydro Lty of Liquid)		cf/bbl.					rator Gas ving Fluid
	oy or bridge	_		L-e ^{-s})		ueg.		P	TIC GIAVI	P2	ring ridid
-			`	<u></u>				C			
	ъ										
No.	P_{W}	P_{t}^{2}	F	a l	$(\mathbf{F_cQ})^2$	(F.	-Q) ²	P _w 2	$P_c^2 - P_w^2$	Ca	ıl. Pw
	Pt (psia)	- 6	"	,	(-64)	(1:	$\frac{c^{Q}}{e^{-s}}$	* W *	- C - W		P _w
<u>į.</u>			1					53,654	1,049,7	13	.357
1. 2. 3. 4.											
4.1										 	-
5.											
Abso	lute Potent:	ial:		1.27	7	MCFPD;	n7	15			
	PANY C	aulki	ns 01	1 Com	DAMY						
ACEN	ESS IT and TITLE	Page	Box	967.	armin	gton, N	ev Hexi	99,	advett c	F'	
WITN	ESSED_	101	<u> </u>		gue				eduction		
COMF											
						REMA	ARKS		· · · 		



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 = Actual rate of flow at end of flow period at W. H. working pressure (Pw). MCF/da. @ 15.025 psia and 600 F.
- PcI 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- PwT 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.
- hall Differential meter pressure, inches water.
- Fg Gravity correction factor.
- Ft 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_t .

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