NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

Poo]	Devi	ls For	·k	F	ormation	Gal	lup		County	itto Ar	rriba	
Init	ial X		_Annua	11		Spec	ial		Date of '	Test	7/12/60	
Comp	oany Val R	. Rees	0 de 1	3088Å	iates :	Lease	Mesa	·	Wel	l No	1-25	
Unit	. <u>D</u>	Sec25	Twp	24N	Rg	e	Purc	haser				
Casi	ing 54 I	Wt. 14	<u>. </u>	D	.012 Se	t at_ 62	50 Pe	erf527	4	ro 55	24	
Tubi	ing 1‡ [Wt. 2.3	1.	D. 1	•3 80 Se	t at 54	86 Pe	rf. 548	4	ro		
Gas	Pay: From		То		L 544	36 x	G 0.65	_GL 3			ss. 12.00	
Date	lucing Thru e of Complet	tion: 7	7/1/6	0	Packe	r 6250	Sin	gle-Brade Reserve	enhead-G. (G. or G	.O. Dual	
				-								
OBSERVED DATA Tested Through (Choke) (Choke)												
						•• 	Tubina	Doto	·			
	(Prover)		low Da ke)		Diff	Temp.	Tubing	Temp.	Casing Da		Duration	
No.	(Line)	(Original	ico)			·				•	of Flow	
	Size	Si	ze	psig	h _w	°F.	psig	°F.	psig	[⊃] F•	Hr.	
SI		 					1358		1363		SI	
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3.	·	3/4		131	†			 	780	60	3 hrs.	
4. 5.												
<u>5. l</u>					LI]				
					1	FLOW CAL	CULATION	2				
$\overline{}$	Coeffici	Lent		Pr					Compres	ss.	Rate of Flow	
No.	/	,	/		1	Fact	tor	Factor	Factor	•	Q-MCFPD	
	(24 - Hoi	ır) -	$\sqrt{h_{\mathbf{w}}^{p}}$	f	psia	F ₁	t	Fg	Fpv		@ 15.025 psia	
1.												
2. 3.	12.365				43	1.000	· /	0600	7 07	<u></u>	1 753	
4.	12.500				43	1,000	, ,	,9608	1,01	-	1721	
5.												
Gravi	iquid Hydro ty of Liqui 16.46	id Hydro	carbo	ns		deg.		Speci Speci	fic Gravit fic Gravit 3 75	v Flow	ing Fluid	
\ <u> </u>			•	<u> </u>				- c <u></u>		_ U		
	$P_{\mathbf{w}}$		Т			-				1		
No.		$P_{\mathbf{t}}^2$	Fc	Q	$(F_cQ)^2$	(F.	$\begin{pmatrix} c^{Q} \end{pmatrix}^2 \\ -e^{-s} \end{pmatrix}$	P_w^2	$P_c^2 - P_w^2$	Ca		
- - -	Pt (psia)	<u> </u>				(1.	-e ^{-s})			P	w P _C	
1. 2.		ļ								 		
3.	143	20.44	9 28-	328	802.48	182	.96 6	27.264	1263.363	-	1.496	
4.												
5.		L		$ \Gamma$								
COMP ADDR	lute Potent ANY Val ESS Lobi T and TITLE	R. Re	ese & Simma	Bldg	clates Alb	uquerqu	10, N.	M.	. JONES			
MIIN	ESSED	Jim	Jacob	8								
COMP	ANY	Val	H. Re	686 8	. As soc	1 ates REM	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.
- Pc 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.
- hw 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_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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