HOBBS OFFICE OCC

Annual Special X Date of Test 4-25-1958

Form C-122

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

PM 3:14

Formation Tates 7- Rivers County Lea

Pool Jalmat

Initial____

Compa	any El Pa	so l	la ture	1 Qu	Сомр	T.T.Y	Lease_M	berly "C"	l 	Wel	l No	3	
Unit		_Sec	21	Twp	26	R	ge. <u>37</u>	Purch	aser <u>El</u>	eso Matu	rel Ges	Сопралу	
Casi	ng 5 👬	_Wt.	17.0	I.	D	Se	et at <u>305</u>	7 Per	f		То		
Tubir	ng 2 *	_Wt.	4.7	I.	D	S	et at	Per	f	A (. * 6	To		
Gas I	Pay: Fro	m_ <u>3</u> ;	104	To_3	126	L 3	097 x	G		252	Bar.Pre	ss. <u>13.2</u>	
Produ	ucing Thr	u:	Casi	ng	X	Tı	ıbing		_Type We	ll Sin	rie	.O. Dual	
Date	of Compl	.etic	on: <u>k-</u>]	11-19	58	Packe	er None	Sing	;le-Brade _Reservo	nhead-G. ir Temp.	G. or G	i.O. Dual	
						, 	OBSERV	ED DATA					
Teste	ed Throug	rh (Berne) (£	thaire)	(Meter)			Type Tar	s F l	le	
				ow Da			<u> </u>	Tubing	Data	Casing I			
	(Prover)		(Choke)		Press	Diff	Temp.	Press.		Press.		Duration	
No.	(Line)		(Orifi	-			o _F .	psig	o _F .	psig	o _₽	of Flow Hr.	
	Size		Siz	е	psig	h _w	F •		F 4			 	
SI l.	h.	\dashv	1.50		620	2.25	72	519 506		4 573	184,2	72 2h	
2.	he.	_	1.50		505	4.00	65	98		506		2).	
3.	1.0		1.50		538	h.20	66	502		522		214	
4.	1,0		1.50	2(514	7.29	69	507		537		21	
5. 1						1		<u>!</u>			<u>.L</u>		
								CULATIONS		10		Rate of Flow	
	Coeffi	Coefficient		P:		l l		Temp.	Gravity	Compre		Q-MCFPD	
No.	(24-Hour)		、 _	7/20		psia Fac				Fov	1	@ 15.025 psia	
				$\sqrt{h_{W}^{p} f}$					Fg				
1.	13.99			3.95		51.3.2 9881 518.2 9951			9292	1.06		176 V	
2 . 3.	11.00			17.2		518.2 9952 511.3 9953			9292			61.0	
4.	13.99			61.9	8	527.2	.991	5/	.9292	1,06	2 -		
5.													
						Þ	RESSURE (CALCUTATIO	ONS				
												_	
Gas L	iquid Hyd	iroca	rocarbon Ratio_				_ cf/bbl.				avity Separator Gasavity Flowing Fluid		
Gravi	ty of Lie	quid	Hydro	carbo	ons_s	.138	deg	•	Spect	ific Gravi	p2	384.6 ~	
^t 'c	1.812			——(·	ı-e_ο <u>γ</u>	.130		=	^г с	05005	' c		
								····					
	$P_{\mathbf{W}}$		-2	_	_	(5.0)	2 / /,	. 0,2	ם מ	$P_c^2 - P_w^2$	C.	al. Pw	
No.	D. ($P_{\mathbf{t}}^{2}$	F	c ^Q	(F_cQ)	};	$(c_c^Q)^2$	$P_{\mathbf{w}}^2$	LCM		P _w P _c	
	(psia	*/ -	31.9 9	. / -	244	411	/ 1	101	M.AV	13.2 ·	584	3 74.1	
$\frac{1}{2}$	519.1	_	165.6	1	135	1.27		176	269.8	111.1			
3.	535.2		286.4		174-	1.37		190	186.6	98.0		.60.0	
4.	550.2		302.7	1.	538	2,36		326	303.0	81.6		54 58.5 88.	
5.										1			
Abso	lute Por	enti	al:	2,850) ************************************		MCFPD	; n <u>.77</u>	1*				
	PANY E1				Cap Co								
	IT and TI							ht - Petr	olean Er	gipeer			
	ESSED 4												
	PANY I	1 1	Page N	etur	1 Cas	Company	7						
	We Bedard	-34				Jalma	RE	MARKS	war then	ngh the b	ichest.	rate of flow.	
₩										,			
	Rito-to-	-		yd dy	77-1	tont p	reviewaly	-cent-out	\	1 1/16	Ž		
	_					#			1'		,		
	Re	sut	mit	red	to	show	lates	st slop	7 , li			:7	
	Re	sut	miti	ted .	40 9/8/.	show 58	lates	st slop	ال عر	1 11.6		d d	

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 (Pw). MCF/da. @ 15.025 psia and 600 F.
- P_c = 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.
- Ft Flowing temperature correction factor.
- F_{pv}- 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 $P_{\mathbf{t}}$.