NEW MEXICO OIL CONSERVATION COMMISSION

3-OCC, 1-HLKendrick, 2-Phillips(Corbett,Cullender)
1-BParrish,1-TCA,1-TCowan, POINT BACK PRESSURE TEST FOR GAS WELLS

Form C-122

	1-Comm.Pul	o. Land	• T-L									
Poo	l Basin	Dakot	<u>. </u>	F	ormation	<u> </u>	Dak	ota	_County	Rio	Arriba	
Ini	Initial X Annu		alS		Spec	ecial		_Date of Test_		10-17-64		
Com	pany Beta	Devel	opment	Co.		Lease	an Juan	29-6 Unii	Wel	l No	78	
Uni	t <u>r</u>	Sec	22_Tw	p	N Rg	e. <u>99</u> 1	6 Purc	haser <u>E</u>]	Paso Nat	ural Ga	as Products	
Cas	ing 41 W	/t. <u>11</u>	.6_I	.D. <u>4.</u> 0)00 Se	t at <u>7765</u>	Pe	rf. <u>755</u>	9	To	7725	
Tub	ing 2-3/8 W	it. <u>4.</u>	<u>7</u> I	.D. <u>1.9</u>	995 Se	t at	7699 Pe	rf. Ope	n '	To <u>Er</u>	nd	
Gas	Pay: From_	7559	_To	7725	L 76	99x	G670]	Bar.Pre	ess. 120	
Pro	ducing Thru:	Cas	sing_	- \	Tu	bing	X	Type We	ll_singl	gas.	1 0 D 2	
Dat	Date of Completion: 10-5-64 Packer Reservoir Temp.											
							ED DATA					
Tes	ted Through	(Prov	<u>er) (</u>	Choke)	(Veter)				Туре Тар	8		
		F	low Da	ata			Tubing	Data	Casing Data		· · · · · · · · · · · · · · · · · · ·	
	(Prover)	(Cho	oke)	Press.	Diff.	Temp.		Temp.			Duration	
No.	(Line) Size	(OFFE	ize	psig	h _w	°F.	p sig	o _F ,	psig	o _F .	of Flow Hr.	
SI					- "		2661		2665		7 days	
1.		3/4		214			214	76	870		3 hr	
2.												
<u>3.</u>		!										
4. 5.					ļi					·		
<u> </u>					L						1	
]	FLOW CAL	CULATION	S				
	Coefficient				Flow Temp.			Compress.				
No	Coeffici	ent		Pr	essure			_	, -			
No.	(24-Hou		$\sqrt{h_{\mathbf{w}}}$	— I	essure psia	Flow Fac F	tor	Factor	Factor F _{pv}	•	Q-MCFPD 15.025 psia	
1.				— I	ļ	Fac	tor t	_	Factor	•	Q-MCFPD	
1. 2.	(24-Hou			— I	psia	Fac F	tor t	Factor Fg	Factor F _{pv}	•	Q-MCFPD • 15.025 psia	
1. 2. 3.	(24-Hou			— I	psia	Fac F	tor t	Factor Fg	Factor F _{pv}	•	Q-MCFPD • 15.025 psia	
1. 2. 3. 4.	(24-Hou			— I	psia	Fac F	tor t	Factor Fg	Factor F _{pv}	•	Q-MCFPD • 15.025 psia	
1. 2. 3. 4. 5.	(24-Hou 12.3650 Liquid Hydro	r) carbon	h _w i	o_	psia 226 PR	Fac F .9850 ESSURE C.	tor t ALCUIATIO	Factor Fg .9463 ONS Speci	Factor Fpv 1.021	cy Sepa	Q-MCFPD 15.025 psia 2660 Trator Gas_ ring Fluid	
1. 2. 3. 4. 5. Grav:	(24-Hou 12.3650 Liquid Hydro ity of Liqui	r) carbon	h _w i	ons	psia 226 PR	Fac F9850 ESSURE C	tor t ALCUIATIO	Factor Fg .9463 ONS Speci Speci Pc P	Factor Fpv 1.021	y Sepa y Flow P2 P 2	Q-MCFPD @ 15.025 psia 	
1. 2. 3. 4. 5. Sas I	(24-Hou 12.3650 Liquid Hydro ity of Liqui	carbon	h _w i	ons L-e ⁻⁸)	psia 226 PRI	Fac F9850 ESSURE C	tor t ALCUIATIO	Factor Fg .9463 Speci Speci Pc P	fic Gravit fic Gravit 2677	y Sepa y Flow P2 P 2	Q-MCFPD 15.025 psia 2660 2660 2660 2660 2710 Fluid 7166.3 777.9	
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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 (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
- PwI 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 $P_{\rm W}$ cannot be taken because of manner of completion or condition of well, then $P_{\rm W}$ must be calculated by adding the pressure drop due to friction within the flow string to $P_{\rm t}$.