NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122
Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool	Basia	Dehota		For	mation_		shota		_County	84	n Jun	<u> </u>
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ompa	any PAS AND	ryeas i	PERMIT	DL 00	19. I	ease	0. K. Ra	ndel	Wel	l No	4_	
	_ s											
	ng 4-1/2 W										1140-4	346
Puhi	ng 2-3/8 W	4.	T.D	1.9	95 _{Set}	, at 61	33 Per	rf.	6135	To	6141	
'aa 1	Pay: From_	6240	To 630	•	L 617	4 ₂₀	G .700	<u>-</u> GL	4323	Bar.Pr	~ss	12
roa	ucing Thru:	,	7-8-6	<u> </u>	Packer		Sin	gle-Brade Reservo	nhesd-G. ir Temp.	G. or	G.O.	Dual
)ate	of Complet	10n:			racker		ED DATA					
				•	4		PO DATA		Туре Тар		Vl.	
[est	ed Through											
		F] (Cho)	low Dat	a ress.	Diff.	Temp.	Tubing Press.	Data Temp.	Casing D	Temp	.†	Duration of Flow
No.	(Line) Size	(0.000	ze					o _F ,	psig			of Flow Hr.
ST	7 Days				**W		3666		1331			
1.	I lack	.73		7.2			7.	60° 668.	, , , , ,			3 14.
2. 3.		 										
4.								 		 	+	
No.	Coefficient (24-Hour) $\sqrt{h_{w}p_{f}}$		Pressure		FLOW CALCULATION Flow Temp. Factor Ft		Gravity Factor Fg	Factor F _{pv}		Rate of Flow Q-MCFPD 15.025 psia		
1.	11,3696			14		1.600		,9434	1.018		770	
2 . 3.											-	
3. 4. 5.											1	
as I	Liquid Hydro	id Hydr	ocarbor	ns -e ^{-s})		ESSURE (cf/bbl. deg.	CALCUIATI • •		ific Grav	ity Se ity Fl PC	parato owing	or Gas Fluid
No.	P _w	Pt	Fc	3	(F _c Q) ²	2 (1	F _c Q) ² 1-e ^{-s})	P _w 2	P _c ² -P _w ²		Cal.	P _w P _c
1. 2.			+-					49,435	1,673,000			
3.									-	- -		
<u>4.</u> 5.												
Abs	olute Poten	tial:		2		MCFPD	; n	.73				
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AGE	NT and TITL	E				Delaco	<u> </u>		/RLL	F14.	<u> </u>	
COM	NESSED PANY	Byt	ORIGINA	L SIGNE	D BY				- mn	2719	64	
, , ,				ri TOBIL		RE	MARKS		JUL	CON.	com.	•
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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 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 2 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater.
- 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.
- $h_{\mbox{\scriptsize W}}\mbox{\footnotesize I}$ 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 $P_{\mathbf{t}}$.