NEW MEXICO OIL CONSERVATION COMMISSION

1957 --- OCC 1957 FED . 14

Form C-122

Pool	nt	MULT	I-POINT E	BACK PRE	SSURE TE	ST FOR GA	SWEILS County	· See	Revised 12-1-	
[nitial			01/1820101	· <u></u>		<del></del>				
ompany Hank										
nit P										
_										
asing 5						<del>.</del>				
ubing 2			_							
as Pay: From	n <u>3640</u> To	3816	L <b>38</b>	12 :	xG_0.683		00	Bar.Pre	ss. 13,2	
roducing Thru	ı: Casin	g	Tu	ıbing	<b>3</b>	Type We	ell <u>sin</u> enhe <b>ad-</b> G.	G or G	O. Dual	
ate of Comple	etion: 7-30	<u>&gt;-55</u>	Packe	r <u>362(</u>						
				OBSERV	VED DATA					
ested Through	1 100 Per	(Choke	) XiPeteni	K			Type Tap	s n		
		v Data		·	Tubing	g Data	Casing D			
	(Choke	) Press	Diff.	Temp.		Temp.			Duration	
(Line) Size	(Orifice Size	e)     psig	h <sub>w</sub>	°F.	psig	°F.	psig	°F∙	of Flow Hr.	
					700/700				21/18/72	
<u> </u>	1.000	590	51.84		600	<del> </del>		<u> </u>	2 <u>k</u> 2 <u>k</u>	
	1.000	540	26.01	60	634				24	
-	1.000	555	18.49	56	612	+		ļ <u>-</u>	21.	
				FLOW CAT	LCULATION	ıs				
1	ient	F	ressure	Flow	Temp.	Gravity	Compress.		Rate of Flow	
(24-Ho	our)  /	h <sub>w</sub> p <sub>f</sub>	psia		tor t	Factor F <sub>g</sub>	Facto F <sub>pv</sub>		Q-MCFPD @ 15.025 psia	
6.135		6.2	603.2 0.9963		0.7393		1.072		1090	
6.135			585.2 593.2	_0,9990 _1,0000		0.9393	1.058		764	
6.135 6.135 6.135 6.135			568.2	1.0059		0.9393	1.070		635	
Liquid Hydr vity of Liqu 9.936			<del>-</del>	cf/bbl.		Speci Speci		ty Flow	rator Gas ing Fluid 08.7	
P <sub>w</sub>		F <sub>c</sub> Q	(F <sub>c</sub> Q) <sup>2</sup>	(1	F <sub>c</sub> Q) <sup>2</sup> -e <sup>-s</sup> )	P <sub>w</sub> 2	P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup>	Ca P	w Pc	
613.2 613.2	376.0 376.0	10.0	116.6	19.		395.1 391.1	113.6	625.	0.877	
647.2	418.9	7.6	57.1		5	428.4	80.3	654	0.904	
655.2	129.3	6.3	39.7		5	435.8	72.9	660.	2 0.996	
	10 011 & 1 2347, Nobe	e, Not H	exico		n 0.989					

REMARKS

WITNESSED J. R. Prox COMPANY K1 Page Natural Ges Company

## 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  $(P_w)$ . MCF/da. @ 15.025 psia and 60° 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.
- F<sub>R</sub>I Gravity correction factor.
- Ft Flowing temperature correction factor.
- F<sub>DV</sub> 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  $P_{+}$ .