NEW MEXICO OIL CONSERVATION COMMISSION

		1.0		•				1007 17.57	1: //	0 -	Form C-12	
	,		y Mi	LŢI-P	Б ит в	ACK PRES	SURE TES	T FOR GAS	WELLS	4 24 R	Form C-12 evised 12-1-5	
'ool											····	
	ial											
											1	
											Company	
as :	Pay: From	3220	То 373	<u> </u>	L_31	90 x	G <u>.680</u>		169	Bar.Pres	ss. <u>13.2</u>	
rod	ucing Thru	: Cas	ing X	·	Tu	bing	Cin	Type We	11 Sing	le G or G	O Dual	
ate	of Comple	tion: <u>5</u>	-15 -5 3		_Packe	r Mone	211	Reservo	ir Temp	G. OF G.		
	•					OBSERV	ED DATA					
		(D	\ (22				22 21111		M Ma	_		
est _	ed Through	(Prov	er) (v		******				Туре Тар	s		
	7= 1		low Data		D: 00			Data	Casing D	ata	Dumakian	
	(Prover)		ice) Pr	ess.	Diff.	Temp.	Press.	Temp.	Press.	Temp.	Duration of Flow	
	Size			sig	$\mathbf{h}_{\mathbf{w}}$	°F.	psig	o _F .	psig	[⊃] F•	Hr.	
1									620		72	
土	2	. 250) 5	94		62			594		45 min.	
I	2	. 501	9 5	78		67			578		45 min.	
		750		27		68		<u> </u>	527 420.	 	45 min.	
Ŧ	- 2	1.000	9	20		68			460,		7 = 100	
·				L				7 3	Sala	7		
				 _		FLOW CAL				()		
	Coeffic	ient	•	Pre	ssure	Flow Fac	- 1	Gravity Factor	Compre Facto		Rate of Flow Q-MCFPD	
1	(24-Ho	ur)	$\sqrt{h_{\mathbf{w}}p_{\mathbf{f}}}$	psia			t	Fg	Fpv		@ 15.025 psia	
╁	· · · · · · · · · · · · · · · · · · ·		AMLT	607.2		, 998		.9393				
十	1,4030 5,5233						3	.9393	1.072		3,247	
	12,2023			540.2		.9924		.9393	1.062		6,526	
T	22.0662	.0662			433.2		1	. 9393	1.048		9,338	
	·			<u> </u>								
					PR	ESSURE C	ALCUT ATI	ONS				
			m-4 *			- 0 /2 2 3		C	ei - Omani	+ C	onton Con	
	iquid Hydr cy of Liqu				-	cf/bbl.deg.					rator Gas ing Fluid	
V	1.060	ia nyan	(1 - e	-s) .	39			P. 6	33.2	P _C ²	00.9	
										x	x	
_	<u> </u>	1										
	*	$P_{\mathbf{t}}^2$	F _c Q		$(F_cQ)^2$	(F	$c_{\alpha}^{(Q)^2}$	P_{w}^{2}	$P_c^2 - P_w^2$	Cal	Par	
	Pt (psia)	-t	-c*		·- 6-47	(i	_e-s)	W		P. 607.3		
土		368.7	3.51		.85 2.32		.11	368.8	32.1	607.3	.959097	
+	\$07.2 \$91.2	349.5					71	351,2	49.7	592.6 546.5	.935812	
1	540.2	298.8	7.05		19.70		.91	298.7 201.9	102.2 199.00	449.3		
	433.2	187.7	10.09		1.61			444,7	2/7.00	1 277.0		
	luto De	+407.	16000			Magno -		. 755				
	Lute Poten ANY		Company			rorfu;	n					
DR1	ESS	ex 670.	25mm Ans		exas							
EN'	and TITL	E A	cco				F. N.	Late -	Partner			
TN	ESSED	10!										
MP.	NY											

REMARKS

Tests run by Mr. Prew and Mr. Mikel of El Paso Natural Gas Company. Calculated by Mr. Edward ELVIS A. U.S. CAS ENGINEER Mabe of El Paso Natural Gas Company except 2 columns marked X.

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 60° F.
- P_c 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- $P_{\mathbf{w}}$ 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_{pv} 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_{+} .