<u>...</u> , ∈ ?:

## NEW MEXICO OIL CONSERVATION COMMISSION

				MOTE OF	T DOTM	C 2020		CC	a		Revised 12-1-55
_	- Y-3			MULT.	I-PUINT	BACK PRE	issure ti 11 10	SST FOR GA :30	S WELLS		
Poo.	l Jalu	H.C.	·		Formation	nLEG 13	Yates	<del>-</del>	County_	Lea	
Ini	tial		Annı	ual		Spe	cial	<u> </u>	Date of	Test	4-29-57
Com	pany Raly	oh Lowe	1			_Lease	Coate	s "A"	We	11 No	2
Unit	t <u>R</u>	Sec	<b>31</b> Tv	ф	2 <b>5</b> R	ge <b>37</b> _	Pui	chaser	El Paso	Natural	Gas Company
	ing <b>7</b>										
	ing <b>Hone</b>										
	Pay: From										
							_				
Do+e	ducing Thru	tione	10 4	ol. 1.4	Do olea	Non	Si	ngle-Brad	enhead-G.	G. or (	G.O. Dual
Date	of Comple	cton:_	12~	4-40	Раске				oir Temp.		
						OBSER'	VED DATA				
Test	ed Through	(Pro	ver) (	40000	(100000	<u>I</u>			Type Ta	psNo	00
Flow Data						Tubing Data			Casing Data		
No.	(Prover)	(Ch	oke)	Press	Diff.	Temp.	Press	· Temp.	Press.	Temp.	Duration
1	Size		ize	psig	h <sub>w</sub>	°F.	psig	°F.	psig	o <sub>F</sub> .	of Flow Hr.
SI								269-286-2	87	<del> </del>	24-48-72
1. 2. 3. 4.	2,000		/16	224		60		224			3
3	2,000		/ <del>32</del> /8	148		63	<del> </del>	1/18	<del> </del>		3
4.	2.000		/16	67 2h		60 60	<del> </del>	67 24	<del> </del>	+	3
5.	2,000		/16	5		65	<del> </del>	- CA	<del>                                      </del>	<del>-</del>	24
		<del></del>		<del></del>			. <del></del>		<del></del>		
	Coeffic	ient	<del>                                     </del>	To	ressure	FLOW CAI	Temp.		10		D-1 0 D1
No.			r		ressure		tor	Gravity Factor	Compress. Factor		Rate of Flow Q-MCFPD
(24-Hot		ur)			psia		t	Fg			@ 15.025 psia
7-	1 1		V W-		237.2	1.00					· · · · · · · · · · · · · · · · · · ·
1. 2. 3. 4. 5.	.1820				161.2 0.99			0.9 <b>463</b> 0.9 <b>463</b>			19 28
3。		.3418		80.		1.00		0.9463	1.0		26
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5.	.7702+	<u> </u>	<u> </u>		18.2	0.94	63	0.9163			_13
					מס	ESSURE C	יאור ריווד איתי	TOME			
					116	TOOOTTE (	MICOUNT	TONS			
	iquid Hydro				ry	cf/bbl.	,	Speci	ific Grav	ity Sepa	rator Gas 0.670
	ty of Liqui					deg.	ı	Speci	ific Grav	ity Flow	ing Fluid
'c	0.4682	<u> </u>	(	l-e <sup>-s</sup> ∑	0.118	}	_	Рс <b>—</b>	300.2	_P <sub>c</sub>	0.1
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	Pt (psia)	<sup>-</sup> T	,   _ (	3 -	/- G-€/	(i	$(c^{Q})^{2}$	$P_w^2$	, c_, M		$\frac{P_{\mathbf{W}}}{P_{\mathbf{C}}}$
1. 2.	237.2	56.3				<u> </u>	<del>'+</del>	56.3	33.9	237.	<u> </u>
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REMARKS \* Non-critical coefficient calculated.

WITNESSED COMPANY

## INSTRUCTIONS

This form is to be used for porting multi-point back pressure tests on gas wells in the State, except those 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 simple of at least three inch cycles.

## NOMENCLATURE

- Q = Actual rate of flow at end of flow period at W. H. working pressure ( $P_{\rm W}$ ). MCF/da. @ 15.025 psia and 600 .
- Pc 72 hour wellhead shut-in case (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.) psis
- Pr Meter pressure, psia.
- hw Differential meter pressure, inches water.
- Fg Gravity correction factor.
- $F_t$  Flowing temperature correction factor.
- Fnv Supercompressability factor.
- n \_ 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 from the friction within the flow string to  $P_{\mathbf{v}}$ .