## MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS 1930 1937 $\sim 10^{-10}$

Pool	lalm	18		Formation	Yet	.08	- 1311	County9_	53 <b>Los</b>	<u> </u>	
Init	ial	<del></del>	Annual		Spec	ial	x	Date of	Test 3/14	-18/1960	
Comp	any(	lsen 011	s, Inc		Lease 🥌	urtland	Mayers	Wel	1 No	2	
Unit		_Sec <u>5</u>	Twp <b>24</b>	Rg	e. <u>37</u>	Pur	chaser	El Paso	Matural	Gas Co.	
Casi	ng <b>7"</b>	Wt. 23.0	I.D	Se	t at <u>344</u>	<b>8</b> P	erf <b>3107</b>	· · · · · · · · · · · · · · · · · · ·	То	113	
Tubi	ng <b>2"</b>	Wt. 4.7	I.D	Se <sup>.</sup>	t at 355	<b>10</b> Po	erf		То		
Gas	Pay: Fro	m_3107	To 3152	L 310	7x	G .648		2013	Bar.Pres	s <b>13.2</b>	
			ing X								
Date	of Compl	etion:	11-1-1954	Packe	r 3422	Si	ngle-Brade Reserve	enhead-G. oir Temp.	G. or G.	O. Dual	
	•	-		<del></del>		ED DATA					
Test	ed Throug	h <del>(Deserta</del>	er) (Xibulca	Meter)				Type Tap	s <b>Vl</b> a		
			low Data			Washin.	g Data	Casing D			
Т	(Spoop)	(10)10	Pres	s. Diff.	Temp.			Press.	Temp.	Duration	
No.	(Line) Size	(Orif:	ice)   ze   psi	g h <sub>w</sub>	$\circ_{\mathrm{F}_{ullet}}$	ps <b>i</b> g	o <sub>F</sub> .	psig	o <sub>F</sub> .	of Flow Hr.	
SI								744		72	
1. 2. 3.	- 4		0 169		106			658 584		24	
$\frac{\sim}{3}$	4	1.25		23.52 51.12	104		<del>                                     </del>	520		24	
4.	4			82.81	110		1	435	<u> </u>	24 /	
4. 5.											
No.	Coefficient Flange (24-Hour)		h <sub>w</sub> p <sub>f</sub> psia		Factor Ft			Facto F <sub>pv</sub>	r (e	Rate of Flow Q-MCFPD @ 15.025 psia	
1. 2. 3. 4.	9.643 9.643		32.39 65.82		.9585 .9692		.9622				
3。	9.643		92.64		.9627			1.01		902.5	
4.	9,643 1		127.46	7.46			.9622 .9622	22 1,013		1,145	
ravi	ty of Lia	uid Hydro	Ratio_ ocarbons (1-e <sup>-s</sup>	Dry	cf/bbl. deg.		Speci Speci		ty Flowi	ator Gas .648 ng Fluid	
No.	Pt (psia			$(F_cQ)^2$		c <sup>Q)<sup>2</sup></sup> -e <sup>-s</sup> )	P <sub>w</sub> 2	$P_c^2-P_w^2$	Cal P <sub>w</sub>	P <sub>C</sub>	
1. 2.	671.2	450.		.0466	No.		450.5	122.8	0/1.7	.6594	
<del>~•</del>	597.2 533.2	356.4 284.3		_1932 659	Jie.	00	354.6 284.4	214.7	597.2		
3. 4. 5.	448.2	200.9	•	_7179		26	201.0	372.3	448.		
5.											
Abso		ntial:	1,775		MCFPD;	n1	.000				
COMP.				oils. D		les	<del> </del>				
	ESS T and TIT	LE C	Inea /V	191. Jul.	HOT MAX.		y Matses	Petr. In	er.		
	ESSED	— <del></del>	L.D.	Southern							
	ANY		II P	so Mater	el Gas G	ARKS					
0	f 1.000 w	as drawa	read, and through the	e two po:	Lonnont.	but res	ulting sl ing to the	ope in ex	cess of l est rate	1.000. A slap s of flow. No	

## 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  $\equiv$  Actual rate of flow at end of flow period at W. H. working pressure (P<sub>W</sub>). MCF/da. @ 15.025 psia and 60° F.
- $P_c$  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.
- $h_{\mathbf{w}}$ Differential meter pressure, inches water.
- Fg Gravity correction factor.
- $F_t$  Flowing temperature correction factor.
- $F_{DV}$  Supercompressability factor.
- n \_ \_ 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  $P_{\rm t}$ .