## MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool	ool Jalmat				Formation						County			
Initi	ial									X	_Date of	Test_1	2-2/	12-6 1957
										Federal A				
Unit	3	Se	c17	Tw	p. 25	R	ge3	7	Purc	haserl	Kl Paso N	tural (	las (	Go.
Casin	1g 7	Wt	•	I	.D	S	Set at_	2812	Pe	rf		То		
Tubin	ng 2	Wt	<u>. 4.</u>	<b>7</b> _1	.D	S	Set at_	2966	Pe	rf		To		
Gas P	ay: Fr	om_	957	To_	2960	L_ {	19.66	<b>x</b> G_	.660		1958	Bar.Pre	ess	13.2
Produ	cing T	ıru:	Cas	ing_		т	ubing	I	<del></del>	Type We	11 Sing	le .		
Producing Thru: Casing Tubing Type Well Single  Single-Bradenhead-G. G. or G.O. Dual  Date of Completion: 6-20-52  Packer Reservoir Temp.														Dual
							OBS	ER <b>V</b> EI	DATA C					
Teste	d Throu	ıgh .	(PMW	<u>許) (</u>	OHORE)	(Meter	·)				Type Tar	s Flan	g <b>e</b>	
			<del>- व</del>	low D	ata				Tuhing	Data	Casing I	)at.a		
	(Prove	(m)				. Diff	• Tem	p.		Temp.	Press.		1	Duration
No.	(Line		(Orif:	•			o <sub>F</sub>			°F.	psig	250		of Flow Hr.
	Size	<u> </u>	Si	ze ——	psig	h <sub>w</sub>	- F	$\stackrel{\cdot}{\vdash}$		F 4	psig	F •	├	
SI 1.	4		.750		97	12,25	61		501 163	<del> </del>	<del> </del>	+	├	72 24
2.			112		1		1	_						
3.														
4. 5.					<del> </del>	<del></del>				<del> </del>		<del> </del>	<del>                                     </del>	
No.	Coeff		nt		F	ressure	Fl		ULATION	Gravity Factor	Compre	255.	Rate	e of Flow
NO	Flange (24-Hour)			$\frac{h_{u}}{h_{v}}$	$p_{\mathbf{f}}$	psia	i			Fg	Fpv	0 1		5.025 psia
1.	6.135			36.71				•9990		.9535	Neg.	2		15
1. 2. 3. 4. 5.								<u> </u>						
3.											<del></del>			
5.							<del> </del>							
PRESSURE CALCULATIONS  as Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gas  bravity of Liquid Hydrocarbons deg. Specific Gravity Flowing Fluid														
c	7.7	<del>50</del>	<del></del>	(	1-e-5)	0.126				Pc	514.2	Pc 20	<b>24.4</b>	
No.	Pt (psi	a)	Pt <sup>2</sup>	F	ÇQ	(F <sub>c</sub> Q)	,2	(F <sub>c</sub> (1-	Q) <sup>2</sup> e <sup>-s</sup> )	P <sub>w</sub> 2	$P_c^2 - P_w^2$	I	al.	P <sub>w</sub>
	176.2		31.0	2,	11	4.58		.58		31.6	232.8	177		.35
2.		_		<u> </u>	<del></del>									
1. 2. 3. 4.													<u> </u>	
5.														
COMPA	ute Por	Pass	Na tu	ral (		spany w Maxie		PD;	n	.771				
	and T			9.	Day	// R.	T. Wr	ight						
WITNE		H,	H. K	erby		La Campi	nea.	DEMA	DVC					

Unable to obtain h point test. Average Jalmat slope of 0.771 drawn thru one point.

## 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<sub>c</sub>= 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- Pw 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
- $P_f$  Meter pressure, psia.
- hw Differential meter pressure, inches water.
- Fg Gravity correction factor.
- $F_t$  Flowing temperature correction factor.
- Fpv 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  $P_{+}$ .