## MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

ool Jalua	t	Formation Yat					County		Los	
nitial	Ann	ual		Spec	ial	<u> </u>	_Date of	Test	8-19/8-	23-63
npany Reser	ve Oil and	Gas Com	pany * L	ease	Dal	obs	Wel	1 No	2	
.t <b>E</b> S	ec. <u> 34</u> T	wp2	<b>5</b> Rge	. 37	Purc	haser	l Paso Na	tural G	as Comp	any
ing_ <b>7</b> W	t. <b>24.0</b>	I.D	Set	at	<b>2920</b> Pe	rf		То		
oing 2 W	t. 4.7	I.D	Set	at	<b>2868</b> Pe	rf		То		
Pay: From_	<b>2742</b> To	2828	_L2	868_x	G <u>.67</u>		1930	Bar.Pre	ess	13.2
oducing Thru:	Casing_		Tub	ing	X	Type We	11	Singl		
e of Complet										
-					ED DATA					
ted Through	(Prover)	(C <del>bokė)</del>	(Meter)				Туре Тар	s	lange	
	Flow	Flow Data			Tubing	Data	Casing D	ata	ta	
(T = )	(Ori Sing)	Press.	1		ł .		ì	į.	1 6	ration of Flow
Size	Size	psig	h <sub>w</sub>	° <sub>F</sub> .	psig	°F.	psig	°F∙	T	
1	Ĺ				316		393	ļ <u> </u>		2
4 x .750		236		86	237		319 *	<del> </del>		4
4 x .750		192 164	7.84	<u>79</u> 93	193 165		276 249		<del></del>	<u>*</u>
4 x .750		147	13.69	82	148	<u> </u>		<u> </u>		4
Coefficient (24-Hour)		$\sqrt{rac{ ext{h}_{ ext{w}} ext{p}_{ ext{f}}}{ ext{psia}}}$		re Flow Temp. Factor Ft		Factor F <sub>g</sub>	Factor F <sub>pv</sub>		Q-MCFPD @ 15.025 psia	
3.435		34.73		.9759		.9442 .9442	1.022		112.3	
3.435 3.435	3.435 40.1 3.435 42.6				.9822 .9697		1.019		136.0	
3.435						.9442 .9442	1.013		150.7	
			PRE	SSURE C	ALCU ATI	ONS			<del></del>	·
Liquid Hydro vity of Liqui 9.936	d Hydrocar		None 0.124	cf/bbl. deg.		Speci	lfic Gravi lfic Gravi <b>406.2</b>	ty Flor	wing Flu	
XXXX							7			
Pt (psia)	P <sub>t</sub> <sup>2</sup>	F <sub>c</sub> Q	$(F_cQ)^2$		(cQ) <sup>2</sup> (-e <sup>-s</sup> )	P <sub>w</sub> 2	$P_c^2 - P_w^2$	Ca	al. Pw	P <sub>w</sub> P <sub>c</sub>
250.2 206.2	62.6 -		-Negligi	b] 6		62.6	102.4			
	42.5 31.7					42.5 31.7	133.3		<del>-i</del>	· ——-
178.2	26.0	<del></del>				26.0	139.0			
161.2										
solute Porent MPANYR			DAUY	MCFPD;	n <u>.8</u>	00		<del></del> -T		·
DRESS 505 I	fidland Say	rings Bld	g. Hid	and, Te	Tas far	I Les	gory		10-18	-63
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				Turk.	T # 1 (17 F)					1

\* Well previously operated by Producing Properties, Inc.

## 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 = 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.
- 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
- Pf Meter pressure, psia.
- $h_{\mbox{W}}$  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  $P_{\rm W}$  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  $P_{\rm t}$ .