## MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS Revised 12-1-55

Perrised	12-1-55

Poo	ol <u>Undes</u> :	<u>ignate</u>	d	F	ormation	Dal	kota		County	San Ju	ıa <b>n</b>
In	itial <u>X</u>		_Annua	l		Spec	cial		Date of	Test	7-6-60
Initial X Annual Special Date of Test 7-6-60  Company Kay Kimbell Lease Devonian-Federal Well No. 1											
	it <u>K</u>										
	sing 44 1										
											ess.
Dat	educing Thrus	cion:	7-6-60	)	Packe	r	Sin	gle-Brade Reserve	enhead-G.	G. or C	G.O. Dual
	•		<u> </u>	<del></del>		•	ED DATA		- 10mp	<del></del>	
Tes	ted Through	(Preve	cod (Ch	oke)	Meterr		ED DAIR		Type Tap	s	
	<del></del>	F1	ow Dat	a			Tubing	Data	Casing D		
No.	(Prover)	(Chok	e) F	ress.	Diff.	Temp.	Press.	Temp.	Press.	Temp.	Duration
	(Line) Size	XXXX Siz	<b>1951</b> e	psig	h <sub>w</sub>	°F.	ps <b>i</b> g	o <sub>F</sub> .	psig	o <sub>F</sub> .	of Flow Hr.
SI 1.							1862		1868		5 Days.
2.		•750	)	178			178	<u></u>	1+81+		3 Hours.
3.		1									
<u>4.</u> 5.							<del></del>	<del></del>			
					т	PT OW CAT	CULATION	C			
	Coeffici			Pro	essure	Flow	Temp.	Gravity	Compres	ss.	Rate of Flow
No.	(24-Hou	r) -	/ h. na	-   ,	nsia	Fact	tor	Factor	Factor	r	<b>Q-MCFPD</b> @ 15.025 psia
1.	12.365	-/ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	/ "WPI		90	•997		F <sub>g</sub>	F <sub>pv</sub>		2293
2.								3000		7	2293
3. 4.									<del></del>		
4. 5.											
					PRE	SSURE CA	ALCUTATIO	ONS			
Gas Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gas Specific Gravity Flowing Fluid											
c	icy of Liquid	и нусто		5 <del>-s)</del>		deg.		Speci P. •	fic Gravit 1 <b>874</b>	y Flow.	ing Fluid
			`					- c		- c- <b>3</b> 21.	1070
	$P_{\mathbf{w}}$				············	7				1	
No.	Pt (psia)	$P_{t}^2$	F <sub>c</sub> Q		$(F_cQ)^2$	(F <sub>0</sub>	Q) <sup>2</sup> -e <sup>-s</sup> )	$P_w^2$	$P_c^2 - P_w^2$	Cal	$\frac{P_{\mathbf{W}}}{P_{\mathbf{C}}}$
<u> </u>	- 0 (P)					(1-		46016	3265860	Р,	W 1 C
1. 2. 3. 4.		<del></del>	<del> </del>								
4.		<del></del>							<del></del>	<del> </del>	
5.											
Absc	olute Potent:	ial:			<del></del> · <del></del>	MCFPD;	n75		<del></del>		
	PANYRESS		<u>W</u>	Oki	Product	tion Co	mpany	on, New	Manda-	1/1	1/ 1
AGEN	T and TITLE		N	AN	aely	Agent	armruß,	wii o MAM	Mexico	V/1.	Kuly
WI'I'N COMF	ESSED_	:							enconer		
						REMA	RKS	ATT			
	(1	•0753)	•75	(1.0	J559)			7 84 14			

## 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
- 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
- Pr Meter pressure, psia.
- hw Differential méter pressure, inches water.
- Fg Gravity correction factor.
- Ft Flowing temperature correction factor.
- F<sub>nv</sub> Supercompressability factor.
- n \_ 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  $P_t$ .

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