Revised 12-1-55

## MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Poc	West	Kutz		F	ormation	Pict	ure Cl	lff	County_	San J	uan
Ini	tial	X	Annua	al		Spec	cial		Date of	Test_4	-12-60
											<b>AA-</b> 1
											Gas Co.
											10
											ess
	ducing Th										
Dat	e of Compl	Letion:_	4-12-6	60	Packe:	r <u>1830</u>	Sin	gle-Brade Reserve	enhead-G. oir Temp.	G. or (	3.0. Dual
							ED DATA	<del></del>	^ •		
Tes	ted Throug	zh ( <b>PK</b> X	<b>CHENCY</b> (C	hoke)	(Mekeny):				Type Tap	ve.	
<del></del> -			Flow Da			<u> </u>	Tuhing	Data	Casing D		· · · · · · · · · · · · · · · · · · ·
No.	(Prover (Line)	·) (Ch	oke)	Press.	Diff.	Temp.		Temp.	Press.	Temp.	Duration
	Size			psig	h <sub>w</sub>	°F.	psig	°F.	psig	<sup>⊃</sup> F•	of Flow Hr.
SI 1. 2.		-7	50	41		59	387 41	59	408		5 Days.
2. 3.								29	213		3 Hours
4. 5.										<u> </u>	
<u> </u>	<del></del>										
<del>~ т</del>	Coeffi	cient	<b></b>	Pr	essure		CULATION	Gravity	Compre		Dod - C El
No.		our)	\_\			Fact	tor	Factor	Facto	r	Rate of Flow Q-MCFPD
1.	12.36	<u> </u>	√ h <sub>w</sub> p		psia 53	1 001	t	Fg 1 025	Fpv	7	@ 15.025 psia 684
2. 3.								1.035	1.00		584
4. 5.											
2-1											
					PRE	ESSURE CA	ALCULATIO	ONS			
as I	iquid Hyd ty of Liq	rocarbor	Ratio	ne		cf/bbl.					rator Gas
c			(1.	-e <sup>-s</sup> _	····	deg.		P <sub>c</sub> _1	11c Gravi	tу гтоw _Рс <b>_176</b>	ing Fluid
										•	
No.	$P_{\mathbf{W}}$	P+	Fc	2	$(F_cQ)^2$	(F	Q) <sup>2</sup>	P <sub>w</sub> 2	$P_c^2 - P_w^2$	60	7
$\downarrow$	Pt (psia	)   "				(1-	cQ) <sup>2</sup> -e <sup>-s</sup> )			RE	c
<del>2</del> :								50625	125775	AFR	1.5 1960
3. 4.		<del></del>	<del></del>							OILC	ON SOM.
5.								_		•	s /
Abso COMF	lute Pore	ntial:		-17 D		MCFPD;	n85		<del></del>	No.	The state of the s
ADDR	ESS		1	<u> </u>	roducti uni Dri	Ve_F	pany armingt	on, New	Maxico	1/1	
WITN	T and TIT			N.A.N	eely	Agent			/	V.A.	Auly
COMF	PANY					REMA	A BK S				
						THUTT	*1017D				

A test will be made at later date through casing, I feel that this well is much better than this test shows.

## 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 I Actual rate of flow at end of flow period at W. H. working pressure  $(P_W)$ . 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.
- 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  $P_{\mathbf{t}}$ .

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