## MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool	Net	N.FROO	F	ormation	Bala	<u>ota</u>		_County_	Sun Ju		
Init	ial <u>r</u>	A:	nnual		Spec	ial		_Date of	Test	7/6/60	
Compa	any Astro	#1 5 Oct	B COMPARY		Lease	Cultury	per Murti	<b>w</b> el	1 No	134	
Unit		Sec.	Twp _	Rg	e. <b>18</b>	Purc	haser				
Casi	ng 4 W	vt. 9.50	I.D <b></b>	. <b>090</b> Se	t at 71	<b>le</b> Pe	rf. <b>66</b> 61	<u> </u>	To	7000	
Tubi	ng 2 3/8 W	/t. <b>5.70</b>	I.D	Se	t at	<b>6866</b> Pe	rf. <b>Finesi</b>	lared	То		
Gas 1	Pay: From_	6060 T		L	<b>6866</b> x	G <b>0.65</b>		463	Bar.Pre	ess <b>12</b>	
Produ	ucing Thru:	Casin	g	Tu	bing	X	Type We	11	مل		
Date	of Complet	ion:	30, 196	Packe:	r	Sin	gle-Brade Reservo	enhead-G. oir Temp.	G. or (	i.O. Dual	
					OBSERV	ED DATA					
Teste	ed Through	(Proven	(Choke)	(Motors)	<b>;</b>			Type Tap	5		
		Flo	w Data			Tubing	Data	Casing D	ata	<u> </u>	
No	(Prover) (Line)	(Choke	Press	1 1			1		1	Duration of Flow	
	Size	Size	psig	h <sub>w</sub>	°F.		L	psig	I	Hr.	
SI l.	<del></del>	A Victor				1417		Pechel of?		7 days	
2.	<del></del>	0.750	<u></u>	1			<u> </u>		<u> </u>		
3.		]									
4. 5.		<del> </del>					<del> </del>		ļ		
		- <del></del>	<del></del>	. <del> </del>	ET OUL CAT	CUT A TITON	c	<u> </u>	<del></del>		
	Coeffici	ent	P	FLOW CALCULATION Flow Temp.			Gravity Compress. Rate of Flow			Rate of Flow	
No.	(24-Hour) $\sqrt{h_{w}p_{f}}$		h <sub>w</sub> p <sub>f</sub>	psia	Fac F	tor t	Factor $F_{g}$	Factor F <sub>pv</sub>		Q-MCFPD @ 15.025 psia	
1.	19.365			27	1.000		0,9608	1.00	<b>A</b>	<b>10</b>	
1. 2. 3. 4.											
4.											
5.											
ravit	iquid Hydro Ly of Liqui	d Hydroca	atio_ arbons(1-e <sup>-5</sup> )			ALCU ATI	Speci Speci		tv Flow	erator Gasving Fluid	
No.	P <sub>w</sub>	$^{ m P_{f t}^2}$	F <sub>c</sub> Q	$(F_cQ)^2$	(F.	$c_{-e^{-s}}^{Q)^2}$	P <sub>w</sub> 2	P <sub>c</sub> -P <sub>w</sub> <sup>2</sup>		Pw Pc	
1.	21	729	3.007	9.163	- 24		3.007	2.03.7			
1. 2. 3. 4.											
4.											
5.											
COMPA		ial:	300 A Gra C			n a.	3				
	ESS C and TITLE ESSED		L SIGNED BY	L. M. STEV	ENS	ELCC	1., M. St	evene, M.	t. Bu	P•	
COMPA									- American	en Fu	
					REM	ARKS			12	THA	
										WILLIAM )	

## 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  $(P_W)$ . 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.
- hw- Differential meter pressure, inches water.
- Fg Gravity correction factor.
- $F_t$  Flowing temperature correction factor.
- Fnv Supercompressability factor.
- n I 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  $P_{+}$ .

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