## MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised	12-1-55

Poo	Angel Peak	Buten	nion	Fc	rmation	Deslec	ts		County_	8	m Ju	83
Ini	nitial X Annual											
	CompanyAstec Cil and Cos Company											
Uni	t <u>M</u> :	Sec. <u>15</u>	Twp	p <b>26</b> #	Rg	e. <b>10</b> W	Purc	haser		······································		
Cas	ing 🛂 V	vt. 11.	<b>50</b> I.	.D. <b>4.0</b>	<b>00</b> Se	t at_6	<b>/63</b> Pe	rf. 6	148	To 6	5k5	
Tub	ing 2 3/8 V	vt. 4.7	<b>5</b> I.	.D. <b>1.99</b>	<b>5</b> Se	t at 63	Pe	rf. Pinos	Llered	_To		
Gas	Pay: From	AA8	_To	6545	_L_63	<del>58</del> :	cG 0.65		129	_Bar.Pr	ess	12
Prod	ducing Thru:	: Cas	ing	<u> </u>	Tu	bing	X	Type We	211 <b>ein</b>	<u>ala</u>		
Date	e of Complet	cion:	5/6/6	60	Packe	r	Sin	gle-Brade Reserve	enhead-G. oir Temp.	G. or	G.O.	Dual
	- 6570 T.D 656	ı				OBSERV	TED DATA					
	ed Through	-	<u>(</u>	Choke)	(HERRY)				Type Tar	os		
			low Da					Data	Casing I			
No.	(Prover) (Line)					•	1	Temp.	Press.	Temp.		Duration of Flow
SI	Size	Si	ze	psig	h <sub>w</sub>	°F.	psig	°F.	psig	<sup>o</sup> F.	_	Hr.
1.	<del></del>	0.79	0				764	60	\$015 1551	<del> </del>	3 1	nys S.I. PS.
1. 2. 3.												
<u> </u>		j					<del> </del>		<del>                                     </del>	<del> </del>	+	
4. 5.												
					]	FLOW CAI	CULATION	S				
,,	Coefficient		Pressure Flow		Flow	Temp. Gravity		Compress.		Rate of Flow		
No.	(24-Hour) 7/1		hun	— psia		rac F	$egin{array}{ccc} {\sf Factor} & {\sf Fact} \ {\sf F_t} & {\sf F_g} \end{array}$		r Factor Fpv		Q-MCFPD @ 15.025 psia	
1.	12.365	, V M11			776 1.			0.9608	1.693		10,076	
1. 2. 3. 4.												
1. J.									<del>-  </del>			<u></u>
5.												
					PRI	ESSURE O	ALCU ATI	ONS				
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	ty of Liqui		carbo	ns		deg.		Speci	fic Gravi	ty Flo	wing .	Fluid
c(l-e <sup>-5</sup> )							Pc <b>2016</b> Pc 4.104.676			676		
			·	· ·			· · · · · · · · · · · · · · · · · · ·	·	. <u></u> :.			
No.	$P_{\mathbf{w}}$	Pt <sup>2</sup>	E	0	$(F_cQ)^2$	( =	. 0,12	D O	$P_c^2 - P_w^2$	C	0.7	D
110	Pt (psia)	rt	Fc		(rew)	(i	(cQ) <sup>2</sup> (-e <sup>-s</sup> )	$P_w^2$	rc-rw		al. Pw	Pw Pc
1. 2.	1573						2.	174.339	1.630.3	7		
<u>3.</u> 1										1		
4.												
5.				3 ha	<del></del>		n 0.	7%	L			
Abso	lute Potent	ial:		100 Campa	7	MCFPD;	n	•/				
	ESS <b>2</b>	<i>4</i> 786,		ngton,		rd.co		N. Share	ms, Dist.	Roule		
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COMF						77.77	ADEC		ST.		· <u> </u>	
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## 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<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
- 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.
- Fpv 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  $P_t$ .

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