## MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Poo	ol <u>Tapaci</u> i			F	ormation	1iset	med .1	100	_County_	Ala Are	Union
Ini	itialX_		Annu	al		Spec	ial		Date of	Test	1-6-56
Сол	npany <u>so</u>	A marri	inia.	ina C	ostonia.	Lease	icarill		We]	ll No	<u>. D</u>
Uni	its	Sec	<u>x)                                    </u>	p. <u>26</u>	. Rg	ge	Pur	chaser <u>s</u>	national con	Nige in	in the same
Cas	sing <u>1 1/2*</u> V	/t. <u> </u>	<u> </u>	.D	Se	t at	J.⊖ Pe	erf		То	
Tub	oing 2* V	/t),	.1.7_I	.D	Se	t at 37	50 Pe	erf		То	
Gas	Pay: From	37.56	_To	FL.	L	x	G <u>ე.6</u> მე			Bar.Pre	es. <u>11.0</u>
Pro	oducing Thru:	Cas	sing	4.5	7Tu	bing	7	Type We	111	0 242	
Dat	e of Complet	ion:_	7-25-	<u> </u>	Packe	r_none	Sir	ngle-Brade Reservo	enhead-G. oir Temp	G. or G	3.0. Dual
							ED DATA		-		
Tes	ted Through	(Proj	ter) (	Choke)	(Meter)				Type Tap	)S	
		F	low Da	ata			Tubing	Data	Casing D	ata	
No.	(Prover) (Line)	(Cho	ke) ice)	Press.	Diff.	Temp.	Press.	Temp.	Press.	Temp.	Duration of Flow
	(Line) Size	Si	ze	psig	h <sub>w</sub>			°F.		°F∙	Hr.
SI							1377		1077		12 days
1. 2.		3/4"	*	311		<b>6</b> 5	311	65	673	ļ	3 hours
<del>2•</del> 3•		<del> </del>		<del> </del>	<b></b>			<del> </del>	<del></del>	<del> </del>	
4.		i —						+		<del> </del> -	
5.		<del></del>					<del></del>	<del>                                     </del>		<del> </del>	
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	Coeffici	ent l	<del></del>	T <sub>D</sub> =		FLOW CAL					<del></del>
No.				Pr	essure	FLOW :	remp.	Gravity	Compre	SS.	Rate of Flow
	(24-Hour) 7/h.r		nsia   ra			r. ractor		Factor Q-MCFP @ 15.02		@ 15.025 psia	
╗	12.3650				22						
1. 2. 3. 4.	14.07/20				164	0.7952	<del></del>	0.9393	1.03	5	3652
$\frac{\sim}{3}$											<del></del>
4.										<del></del>	
5.								· · · · · · · · · · · · · · · · · · ·			<del></del>
	Liquid Hydro				PRI	ESSURE CA	ALCU ATI	Speci			rator Gas
	ity of Liquid	d Hydr	ocarbo	ns sv		deg.		Speci	fic Gravi	ty Flow	ing Fluid
c			(1	-e <sup>-s</sup> ∑			·	Pc	79 <b>L</b>	P <sub>c</sub> 11	3.7/4
No.	P <sub>w</sub>	Pt2	Fc	Q	(F <sub>c</sub> Q) <sup>2</sup>	(F <sub>0</sub>	Q) <sup>2</sup> -e <sup>-s</sup> )	P <sub>w</sub> 2	$P_c^2 - P_w^2$	Ca.	Pw Pc
⇟⇃					······································			475.62	635,15		
1. 2. 3.		* * * * * *				<del></del>	<del></del>			+	<del>-  </del>
4.	4.1.3	े ह	7.		<del></del>					+	
4. 5.									<del></del>	1	
Abs COM	plute Potent	ial:	ě,	107		_MCFPD;	n_ 0.95				
	RESS		21	_,	~ ) j,		/	/			e A
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	NESSEDPANY_		<del></del>							A	'4//A
OOPH	WIAT				· · · · · · · · · · · · · · · · · · ·	REMA	RKS	<del> </del>		My Co	
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9											3 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
- PwI 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
- $P_f$  Meter pressure, psia.
- hw Differential meter pressure, inches water.
- Fg Gravity correction factor.
- Ft Flowing temperature correction factor.
- $F_{pv}$  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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