MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

	ial X											
Comp	any Souther	n Uni	on Gas	Compar	y 1	_ease	MAS OF THE		WET.	T 140.	- 0	
Jnit	7-5/8" S	ec. 1	9 Tw	27H	Rge	ે. <u>કે₩</u> ?વાડ	Purc	haser 3 0	1076. 2136	-2148	8 cors	<u> </u>
Casi	7-5/8" ng 51" W	t. <u>15</u>	.5 I	D. 4	. 950 Set	t at 217	0 -4546 Pe	rf. 5280		То	4472	
lubi.	ng 2-3/6 W	t.	1.7 I	.D. 1.4	9 95 Set	t at 1134	5 Pe	rf. 43%		То	345	
	Pay: From_											
roa	ucing Thru:		21118			L16'A	Sin	gle-Brade	enhead-G.	G. or	G.O. Di	al
ate	of Complet	ion:_	April	20, 1	95 Packe			Reserve	orr. temb.			
						OBSERVI	ED DATA					
[est	ed Through	(Pro	ver) (Choke)	(Meter)				Type Tap	s		
			Flow Da	ata			Tubing	Data	Casing D		1	
	(Prover)				Diff.	Temp.	Press.	Temp.		!	1	uratio of Flo
No.	(Line) Size		fice) ize	psig	h _w	°F.	psig	°F.	psig	°F∙		Hr.
SI							738	2_	77.5			deys
l. 2.				3/1/#	66	60	68	60		┼	+3	hours
3.		 		 	-							
5.								 	<u> </u>	 		
5. I		<u> </u>			L			1				
			+			FLOW CAL			Compre		Rate	f Flow
No.	Coeffici	ent		Pi	ressure			Gravity Factor			Q-MC	'PD
140	(24-Hour)		$\sqrt{h_w}$	IV MII I +		osia F		${ t F}_{ t g}$	Fpv		1)25 psi
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4. 5.											L	
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			_						ific Gravi	itu Sar	יים לפחבר	Cas
as I	Liquid Hydro ity of Liqui	carbo d Hud	n Rati Irocarh	ons		cf/bbl. deg.		Spec.	ific Gravi	ity Flo	owing F	_uid
	tty of Liqui			1-e ^{-s}			-	Pc	750 80	_P ²	563	
J				_	- 			Pw	50	Pu2	0.4	
\Box	$P_{\mathbf{W}}$		2 -	$\overline{}$	(B 0)2	2 /-	$(cQ)^2$	י פ	P _c -P _w ²		Cal.	P
No.	Pt (psia)	l F	$\mathbf{t}^2 \mid \mathbf{F}$	cQ	$(F_cQ)^2$	(1	[c ^Q) e ^{-s})	P_w^2	, c_, M		Pw	$\frac{P_{\mathbf{W}}}{P_{\mathbf{C}}}$
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1. 2.												
3. 4.										_		
5.												
	olute Poten	tial:	913	<u></u>			n0	.85				
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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 I Actual rate of flow at end of flow period at W. H. working pressure ($P_{\rm W}$). MCF/da. @ 15.025 psia and 600 F.
- P_c = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- P_{w} 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.
- Ft Flowing temperature correction factor.
- F_{DV} 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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