## MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

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Revised	12	-]	. <del>-</del> 55

Pool	Und	esignati	nd	Fo	rmation	Dal	kota		_County	San	Juan
Init	ial										
Compa	any South	met Pro	dust.	len Ca	spany	Lease	Holler	rey Ped.	Wel	.1 No	*
Unit	S	ec <b>18</b>	Twp	271	Rg	e. 117	Purcl	naser_	Pees Het	urel Ge	а Сопрану
											£ 6388
Tubi	ng 2 3/8 W	t. 4.70	I•	D. <u>1.9</u>	<b>)\$</b> _Se	t at 63	Per	.f		To <b>63</b>	69
Gas 1	Pay: From_	6388	Го <u></u>	492	_L_ <b>63</b>	<b>96</b> _x	3 <b>.67</b>		1261.2	Bar.Pre	ss. <u>12.0</u>
Prod	ucing Thru:	Casin	ng	•	Tu	bing	<u>Ci</u>	Type We	ell ste	ile- Ger	O Dual
Date	of Complet	ion:	-4-6	9	Packe	r	Sing	_Reserv	oir Temp.	G. OF G	
						OBSERV	ED DATA				
Test	ed Through	(FEEE	<b>K)</b> (C)	hoke)	(EEEE)				Type Tar	os	
			ow Da				Tubing	Data	Casing I	)ata	T
	(Prover)	(Choke	e)		Diff.	Temp.		Temp.	Press.		Duration of Flow
No.	(Line) Si∠e	(Orific		psig	h <sub>w</sub>	o <sub>F</sub> .	psig	°F.	psig	<sup>⊃</sup> F•	Hr.
SI l.		- Jie		125	<del></del>	68	2075	40	2075		74(23)
2.	_ <del></del>	्रा स		138			156	68	498		3-17,
3. 4. 5.										ļ	
<del>4.</del> 5.											
						FLOW CAL	CULATION	s			
No.	Coeffici	ent		Pr	essure	Flow	Temp.	Gravity Factor	Compre		Rate of Flow Q-MCFPD
NO.	(24-Hou	r)   <sub>7</sub>	h <sub>w</sub> p		psia	F	t	$^{ extsf{F}_{ extsf{g}}}$	Fpv		@ 15.025 psia
1.	12,3690				170	.9	724	.9453	1.0)	7	2,651
1. 2. 3. 4. 5.											
4.											
5.										L	
					PF	RESSURE C	ALCUIATI	ONS			
	iquid Hydro					cf/bbl.					arator Gas
	ty of Liqui		carbo (1	ns _e=s)		deg.		P <sub>c</sub>	2073		ving Fluid
-							-	Pw	510	P <sub>0</sub> 2	260,1
No.	$P_{\mathbf{W}}$	$P_{\mathbf{t}}^{2}$	Fc	0	(F <sub>c</sub> Q) <sup>2</sup>	2 (1	(0)2	P <sub>w</sub> 2	$P_c^2 - P_w^2$	Ca	al. Pw
NO.	Pt (psia)	¹t	rc		(1.Get)	(i	cQ) <sup>2</sup> -e <sup>-s</sup> )	.,		]	P <sub>w</sub> P <sub>c</sub>
1. 2.			-					260,1	4045,5		.265
3. 4.											
4. 5.			-						<del> </del>	<u> </u>	
	lute Potent	ial: 2	396			MCFPD:	n .75				
COMP	ANY			uetion Cantar		Parish of		Novi es			
ADDR AGEN	ESS IT and TITLE	1000	p L	1071	ta, 7H	duction	Peranin				
WITN	ESSED										
COMF	PANY					ייזנו	M D' '				- Ah

## 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 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.
- $F_g$ : Gravity correction factor.
- $F_t$  Flowing temperature correction factor.
- $F_{\text{DV}}$  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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