## MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool						_Form	ation	····	Dakot	<u> </u>		_County_	San	Juan	
Initi	ial	I	•••	Anni	ual_	<del></del>		Spe	cial			_Date of	Test_	2-11-59	
Compa	ıny	Sunse	t In	ternat	lonal	Pet.	Corp	Bease	Ped	eral		We	ll No.	2 J	
Unit	1	s	Sec	<b>6</b> <sub>Tv</sub>	ф	271	Rge	e. 10	W P	urchas	er	·			
Casin	g <b>5</b> -	-1/2W	t. 1	.5.5 j	.D.		Set	t at	6396	Perf.	61	.60	То	6272	
Tubin	g <b>2</b> -	-3/8 W	t	.7	.D	1.9	95 <sub>Set</sub>	t at	6297	Perf.	Open	Ended	_To		
														ress	
Produ	cing	Thru:	Ca	sing_			Tub	oing	X	Т	ype We	11 <b>Si</b> r	gle - (	De.s	
Date	of Co	mplet	ion:_	2-3-	-59	F	acker	. No	ne '	Single R	-Brade eservo	nhead-G. ir Temp.	G. or	G.O. Dual	
									VED DAT						
reste	d Thr	ough	(170	onio (	Chok	e) (ૠ	<b>Gir</b>					Type Ta	ps		
<b></b>				Flow D					Tubi	ing Da	ta	Casing		T	
No.	(Pro (Li	ver) ne)	(Ch	oke) fice)	Pre	ss. I	iff.	Temp.	Pres	ss.	Temp.	Press.	Temp.	Duration of Flo	
- 1		ze _		ize		ig	h <sub>w</sub>	°F•	<u> </u>	g		psig	<sup>⊃</sup> F•	Hr.	
SI l.	· · · · · · · · · · · · · · · · · · ·				ļ				14	94		1650			
2.			3/	//W	10					#		- (1987	<b>†</b>		
3. 4. 5.				•	100			45				477		3 Hrs.	
<u>5.  </u>															
<del></del>								LOW CAI			<del></del> .			· · · · · · · · · · · · · · · · · · ·	
No.	Coe	oefficient		<i></i>				Flow Temp. Factor F <sub>t</sub>						Rate of Flow Q-MCFPD @ 15.025 psia	
	(24-Hour		•)												
L. 2.															
3.	12	12,3650				173		1,0147		.9393		1,022		2084	
) • ·								<del></del>				+			
	of I			n Ratio		5)		SSURE (cf/bbldeg.		TIONS	Specif			arator Gas_wing Fluid	
F	P <sub>w</sub>		Pŧ	. F.	,Q	(F	<sub>c</sub> Q) <sup>2</sup>	(F	(cQ) <sup>2</sup> -e <sup>-s</sup> )	F	P <sub>w</sub> 2	P <sub>c</sub> -P <sub>w</sub> <sup>2</sup>		P <sub>w</sub> P <sub>c</sub>	
3.	48	9								23	9	2523		1,0947	
													+		
bsolu OMPAN DDRES	YSS	Sunse Sunse Box 5	t Int	2251 ernati Elocui	oral Told	, Nov	MIL		n		1.080	244			
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OMPAN	I	<u> </u>		ing k	E THE	at.		REM	ARKS				<del></del>		
								ME AND I	<u></u>	S		/ Kil		0)	

## 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
- Pw Static wellhead working pressure as determined at the end of flow period. (Casing if flowing thru tubing, tubing if flowing thru casing.) psia
- $P_t$  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.
- Fpv 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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