MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

	Unde	signated	F	Formation		Dakota		County		San Juan	
nitial	X	Ar	nnual		Spec	ial		Date of	Test	3/12/60	
ompany	Astec	011 & Ges	Company	I	ease	lev-an	" B"	Well withern Un 3ht collered	l No.	6	
nit	M .	Bec. 19	Twp.	Rge	104	Purc	So naser	utbern Un	ion Gas	Company	
asing_	43 V	/t. 9.50 &	I.D.	Set	at 64	LO Pe	of. 6	344:	То	468	
ıbing	2 3/8 _V	/t.	I.D. 1.	 995 _{Set}	at •	5 313 Per	rf. Pin	collared	 То		
as Pav	: From	6 344	6466	631.	3	G 0.650(E)	4203	Bar Dro		
oducii	- מייל" פח	Casing		Tub	ing 10	K	Tyme We	51	igle		
ite of	Complet	.ion. 3	/5/60	Packer	No	Sin	zle-Brade	ellenhead_G. pir Temp	Gan G	.O. Dual	
	omprod			r deker			neserve	orr remb.		Ny.	
، دید	D) 1	(D)	(0) 1	(26.1)	OBSERVI	ED DATA					
	inrougn	(Prover)		(Meter)				Type Tap			
1)	Prover)	Flow (Choke)	Data Press	. Diff.	Temp.	Tubing Press.	Data Temp.	Casing D		Duration	
	(Line) Size	(Orifice	psig	h	o _F .		°F.			of Flow Hr.	
		0.750		W		1917		1966		? days	
		00,00						24.07		3 1401	
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	les ffi ei					CULATIONS			· · · · · · · · · · · · · · · · · · ·		
	Coefficient (24-Hour) $\sqrt{h_W p_f}$		F.	- Pressure		Flow Temp. Gravi Factor Fact		or Factor		Q-MCFPD	
 -	12.350	r) \\ _	n _w p _f	psia 495		ic	- c. 5608	Fpv _o	5	@ 15.025 psia	
											
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<u></u>				PRE:	SSURE CA	ALCUIATIC	ns				
Liqui		carbon Ra		PRE:	cf/bbl,	ALCUI ATI C	Speci	fic Gravi:	ty Sepa	rator Gas	
Liqui		carbon Ra d Hydroca				ALCU ATIC	Speci Speci	fic Gravi fic Gravi	ty Sepa ty Flow P2	rator Gas ing Fluid	
Liqui			rbons		cf/bbl,	ALCU ATIC	Speci	fic Gravi	ty Sepa ty Flow Pc 3	rator Gas ing Fluid	
vity o		d Hydroca	rbons (1-e ^{-S})		cf/bbl, deg.		Speci Speci Pc—	Gravi	re Flow	ing Fluid	
P _w	f Liquio		rbons		cf/bbl, deg.	ALCUIATIO	Speci Speci	fic Gravi	ry Flow P2 3	ing Fluid	
P _w	f Liquio	d Hydroca	rbons (1-e ^{-S})		cf/bbl, deg.		Speci Speci Pc—	Gravi	re Flow	ing Fluid	
P _w	f Liquio	d Hydroca	rbons (1-e ^{-S})		cf/bbl, deg.		Speci Speci Pc—	Gravi	ry Flow P2 3	ing Fluid	
P _w	f Liquio	d Hydroca	rbons (1-e ^{-S})		cf/bbl, deg.		Speci Speci Pc—	Gravi	ry Flow P2 3	ing Fluid	
P _w	(psia)	Pt	rbons(1-e-s)	(F _c Q) ²	cf/bbl,deg.	Q) ² -e-s)	Speci Speci Pc—	Gravi	ry Flow P2 3	ing Fluid	
Pw Pt	(psia)	Pt Pt	F _c Q 8571	(F _c Q) ²	cf/bbl, deg. (Fo	Q) ² -e-s)	Speci Speci Pc P _w 2	Gravi	ry Flow P2 3	ing Fluid	
Liqui vity o Pw Pt Solute MPANY DRESS	(psia)	Pt Pt	F _c Q	(F _c Q) ²	cf/bbl, deg. (Fo	Q) ² -e-s)	Speci Speci Pc———————————————————————————————————	P _c -P _w	Cal P.	ing Fluid	
Pw Pt 11 Solute MPANY DRESS	(psia) Potent	Pt Pt	F _c Q	(F _c Q) ²	cf/bbl, deg. (Fo	Q) ² -e-s)	Speci Speci Pc———————————————————————————————————	P _c -P _w	Cal P.	Pw Pc	

MADI & TORT

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 T 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
- Pw- 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.
- $F_g = Gravity$ correction factor.
- Ft Flowing temperature correction factor.
- F_{pv} Supercompressability factor.
- n I Slope of back pressure curve.
- Note: If $P_{\rm W}$ cannot be taken because of manner of completion or condition of well, then $P_{\rm W}$ must be calculated by adding the pressure drop due to friction within the flow string to $P_{\rm t}$.