MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Poo	l Resi	n Dak	Formation Dakota						County San Jnan					
Ini	tial_x	x		Annu	al_			Spec	cial		Date of	Test_	11-12-62	
Com	pany <u>So</u>	uther	n Uni	on Pro	duct	ion (0.	Lease	Suma	it #	We	11 No	#6	
Uni	t <u> </u>	S	ec. <u>3</u>	3 Tw	p. 2 9	-Nort	h_Re	ge. <u>ll-We</u>	et Pu	rchaser_ <u>So</u>	uthern Un	ion Gas	Сопрану	
Cas	ing 11	W	t• <u>10</u>	50 _I	.D	4.052	Se	t at 6:	338	Perf611	0	_To62	228	
Tub	ing 13	W	t2	90 I	•D•_	1.610	Se	t at 6]	106	Perf. 609	8	To_6]	103	
Gas	Pay:	From_	6110	_To	<u>622</u> 3		L <u>60</u>) 9 8x	cG <u>.700</u>		4269	_Bar.Pr	ress. 12.0	
Pro	ducing	Thru:	Cas	sing			Tu	bing	<u> </u>	Type W	ell s	ingel (las G.O. Dual	
Date	e of Co	mplet	ion:_	1 1- 5	-62		Packe	r None	ى 	Reserv	oir Temp.	G. or	G.O. Dual	
								OBSERV	ED DATA	4				
Test	ted Thr	ough	(Pro	er) (Chok	e) (M	eter)	.			Type Ta	ps		
		Flow D							ng Data	[Casing]		J		
No.	(Prover) (Line)		(Choke) (Orifice)				Diff.	·	Press	Temp.	Press.		of Flow	
SI	Si	Size		ze	ps	ig	h _w	o _F .			psig	[⊃] F.	+	
1.	211		3/1	<u> </u>	335			69°	2066 335	690	2062 128h		7-Days	
2 . 3.					-						<u> </u>	+	-	
4. 5.												-		
<u></u>								L			L			
r	Coe	fficie	ent			Pres	sure	FLOW CAL	CULATIO Temp.		Compre	255.	Rate of Flow	
No.	(24-Hour)			7		i l		Factor		Factor	Facto	or	Q-MCFPD	
1.			1 7 ''		psia 21.7		Ft		F _g F _{pv}		@ 15.025 psi			
		12.3650						7717		17270			1070	
3. 4.														
5.								 -				-		
							PR	ESSURE C	ALCUTA1	'IONS				
	Liquid I ity of I							cf/bbl. deg.					earator Gas wing Fluid	
		-	-		1-e=	3)				Pc	2078	_Pc	318.1	
											· · · · · · · · · · · · · · · · · · ·			
No.	$P_{\mathbf{W}}$	(psia)		F	Q	Q (F,		(F	c ^{Q)² -e^{-s})}	P_w^2	$P_c^2 - P_w^2$	C	P _w P _c	
	Pt (ps							(1	_e−s)	1679.6	2637.5		P _w P _c 62h	
1:										1017-00	2031.3		024	
3. 4.						#_								
5.	olute Pe							MCEDU -	l		1			
COMF	olute Po	So	uther	Inio	n Pr	oduct	ion C	OFFISHY	n					
AUUF	EUSS .	Ro:	- 8∩8.	Parm	ingt	on. N	ew Me	rico				460	<u> </u>	
WITT	ひょうついい		V	a Daal		3						~ 160 ×	*	
JOPII	PANY													
(3) (1)	New Mo			. C.								ls*	1	
(3) (1) (1) (1) (1)	Mr. L	en Mu	ennink	•								J.F		
<u>(i)</u>	Mr. B	ob Co	rliss											
$\{1\}$	Mr. R File	uay Mo	0 55 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 I Actual rate of flow at end of flow period at W. H. working pressure (P_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
- Pf Meter pressure, psia.
- hw- Differential meter pressure, inches water.
- Fg Gravity correction factor.
- Ft Flowing temperature correction factor.
- F_{nv} 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_{+} .