NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122
Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

										5 N.V1.7
nit		Sec. <u>20</u>	_Twp _ 261	Rg	e <u>3w</u> _	Purc	haser pac	ific Fort	mest.	
asin	ig 5 1/2" V	lt. 11.4	_I.D	5. 012 Se	t at6	960Pe	روک6°rf	93	To	,220
ubin	g 2 3/8" V	/t <u>k.7</u>	I.D	. 995 Se	t at60	58 Pe:	rf		То	
as F	ay: From_	6.093 To	°6_22	L 60	y≼a x	Gn. 68(a-	41 =GL	1.776	Bar.Pr	ess• 12 pale
										-
2+0	of Complet	ion.		Da -)		Sin	gle-Brade	enhead-G.	G. or	G.O. Dual
100	or compred	1011:	0-29-57	Packe			Keservo	oir Temp.	_ =	
					OBSERV	ED DATA				
este	d Through	Dagger	(Choke)	(Notion)				Туре Тар	s	
	(D		v Data			Tubing		Casing D		
) .	(Line)	(Choke)		. Diff.	•	Press.			Temp.	of Flor
_	Size	Size	psig	h _w	°F•	psig	o _F .	psig	°F∙	Hr.
	28	0.750	193		63 0 F	1181 193	630		-	
										3 hrs.
+									<u> </u>	
	Cooffici					CULATIONS				
	Coefficient		Pressure		Factor		Gravity Comp Factor Fac		ss. r	Rate of Flow Q-MCFPD
	(24-Hou	r) _\	h _w p _f	psia	F ₁	t l	Fg	$F_{p\mathbf{v}}$		@ 15.025 psia
+	12,3650		·	205	.99	71	9393	1.0	22	2,426
土										
				PR	ESSUBE CA	ALCU ATIO)NS			
T 3 /	quid Hydro	aanhan Da	+ = =	110		.200 21110				
vity	y of Liquid	i Hydroca	rbons		cf/bbl. deg.		Speci	fic Gravi	ty Flow	arator Gas_ ving Fluid 0.6
	9.402		_(1-e ^{-s})	259			^Р с—	1193	_P _c 1	123.2
										
•		Pt2	F _c Q	$(F_cQ)^2$	(F	$(Q)^2$ (e^{-s})	P_w^2	$P_c^2 - P_w^2$	Ca	Pw Pc
	ot (psia)	10.0	00.0							w Pc
1	-25	112.0	22.8	519.8	134	•	176.6	1,246	-6	
									 	<u> </u>
	ite Potent:		2,68		_MCFPD;	n 0.75				
$M \times M \times M$	SS P	ACHOLTA F			MEXICO				3° C 3	A State of the sta
MPAN DRES	AGENT and TITLE Lane (C) GO						Engineer / KLINTIN			
DRES ENT		wase		J					4 4 7 1 1 2	

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_W). MCF/da. @ 15.025 psia and 60° F.
- Pc 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 méter pressure, inches water.
- F_{g} Gravity correction factor.
- F_t 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 $P_{\mathbf{t}}$.

OIL CONSERVA AZTEC DIS No. Copies Rece	TRICT OFFICE
318 · «	٧٥.
perator	NISHEL
Santa Fe	
Proration Office	
State Land Office	Tage
GS	
Transporter	
File	