NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

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						Special							
										We]			
												Sas Company	
										47 7			
	Tubing 12" Wt. 2.75#I.D. 1.610 Set at 6529 Perf. To 6529												
	Gas Pay: From 6477 To 6547 L 6529 xG .67 _GL												
Pro	ducin	g Thru	: Ca	sing_		Tu	ıbing	X	Type W	ell Si n	gle-Gar	1	
	Date of Completion: 6/30/61 Packer Single-Bradenhead-G. G. or G.O. Dual Reservoir Temp.												
								ED DATA					
Tes	ted T	hrough	Pre	neock (Choke)	(markett)	[Туре Тар	s		
				Flow D	ata			Tubing	Data	Casing Data		T	
No.	(P	rover) Line)	(Choke) (Orifice)		Press	Diff.	_		Temp.	Press.	Temp.	Duration of Flow	
SI		Size			psig	h _w	°F.	psig		L	°F∙	Hr.	
1.			3/	/4 ^m	177	+	79	2100 177		2100 740		7-Day 3-Hr.	
2. 3.													
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<u>4.</u> 5.									 	ļ <u>.</u>	 		
No.		oeffici (24-Hou			Pressure		FLOW CALCULATION Flow Temp. Factor			Compres Factor	r	Rate of Flow Q-MCFPD @ 15.025 psia	
1.	12,3650				187		.9822		•9463	1.01	2,189		
3.													
1. 2. 3. 4.													
Gravi	ty of	l Hydro	d Hydı	rocarbo	ns		cf/bbl.	. –	Speci Speci ^P c 2	112	y Flow Pc 44	ing Fluid	
No.	$P_{\mathbf{W}}$					(= -)2		2	W		-		
	Pt (psia)	Pt	Fc		$(F_cQ)^2$	(F ₀	Q) ² -e ^{-s})	P w 2	$P_c^2 - P_w^2$	Ca.		
1. 2.									565.5	3895.0		.356	
3.					+							_	
3. 4. 5.													
							i			T	L		
COMP.	Lute	Potent:	ial:	- Drock	2,4	21 Company	_MCFPD;	n75	-				
ADDRI	SS	207	Date	. Club	Diaza	. Farmi	naton. No	w Mexic	0				
AGEN'	ı and	TITLE	Geo	rge L	Hoffm	an, Prodi	uction Fo	oreman			4	141	
COMP											REUL	Hrn /	
							REMA	RKS			AUG4	1961 N. COM.	

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 600 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
- P_{f} Meter pressure, psia.
- $h_{\mathbf{w}}^{\perp}$ Differential meter pressure, inches water.
- F_{g} Gravity correction factor.
- F_t Flowing temperature correction factor.
- $F_{\rm DV}$ 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 $P_{\mathbf{t}}$.