NEW MEXICO OIL CONSERVATION COMMISSION

HOSSS CATION OF C-122

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS SO ARevised 12-1-55

Pool	Jalmat			Formation Iates					CountyLea			
Init	ial	Arınu	al	Special XX				Date of	Test 12 -	-31-56,	1-4-57	
				ny	Lease Lib. Royalties				Well No <u>5</u>			
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nata	of Commi	ation.	27118	<u> </u>	1 u	ntug.	Sin	rype we gle-Brade	ell Single enhead-G.	G. or (3.0. Di	ıal
Jace	or compr	ectou:_	T-4-4.	<u> </u>	Раске			keservo	oir Temp			
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reste	ed Through	n IPF6	<u>POIN</u>	<u> </u>	(Meter)				Type Tap	s		
			low Da				Tubing	Data	Casing Da			
No.	(Line)	(Orif		Press	. Diff.	1	Press.	Temp.	Press.	Temp.		Ouration of Flow
	Size		•	psig	h _w	o _F .	psig	°F.	psig	°F∙		Hr.
SI									909		72	
<u> </u>	4	2.00			9,61				864		24	
2.	<u> </u>	2.00		808	25.00				829		24	
3.		2.00		772	39.69				802		24	
5.		2.00	<u> </u>	739	\$2.81	81			754 *		24	
	* Not end	ugh dra	v down	- or	ifice to	small.		L	<u> </u>			
	'					FLOW CAL	CULATION	S				
	Coefficien			P	Pressure Flow Fac		Cemp. Gravity		Compres	55.	Q-MCFPD	
0.	4 = .]				tor	Factor	ractor			
	(24 - Ho	our)	r) √ h _w p _f		psia	F	t I	$\mathbf{F}_{\mathbf{g}}$	F _{pv}		@ 15.025 psia	
	25.58		91.33		0.9671		0.9608		1.073		2,328	
	25.58		143.27		0.9732			0.9608			3,681	
c	25.58		176.51		0.9759		0.9608		1.074		4,529	
	25.58		246.20		0.9804		0.9608		1.066		6,325	
			_ZUL) . Z			V . 70VA		V. 70V0	1.000			<u></u>
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0.	P _w Pt (psia)	Pt ²	`		$(F_cQ)^2$		c ^{Q)²} -e ^{-s})	P _w 2	$P_c^2 - P_w^2$		1. W	Pw Pc
;	77:3	769.5	2.		4.41	<u> </u>	2	770.0	80.5	 		
	944°4	709.3		쓚	0.96			710.6	139.9	+		
•	81.5.2	588.6			6.65			666.5	184.0	 		
•	767.2	700.0	7.	-7	32.38		72	592.3	258.2	 		
bsol COMPA DDRE GENT	ute Poten NY Skel SS Box and TITI	17 011 (38. Hob) E	OMDER	y		MCFPD;	n_ 0.81	2				
OULLA							ARKS					<u></u>

FINIS PURITY

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 = 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
- PwI 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.
- Fg Gravity correction factor.
- Ft Flowing temperature correction factor.
- Fpv 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 $P_{\rm t}$.