NEW MEXICO OIL CONSERVATION COMMISSION

HOBBS OFFICE DOD

Form C-122

1333 AUGMULTI-ROINT BACK PRESSURE TEST FOR GAS WELLS

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Revise	d		12.	-1	- 55	

Pool	Unde	signate	<u>d</u>	Fo:	rmation	At	oka-Fenn		County_	Le	<u> </u>
Initial_	X		_Annual_			Spec	cial		Date of	Test_7	-14 to 21, 19
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oducin	g Thru:	Casi	.ng		Tu	bing	x	Type We	ell Sinc	le	
te of	Complet	ion:			_Packe:	r_ 12,	Sin	gle-Brade Reserve	enhead-G. oir Temp.	G. or G	.O. Dual
							ED DATA				
sted T	rough	<u> </u>	(393)		Meter)				Type Tar	s	Flage.
- 4-	·	Fl	ow Data				Tubing	Data	Casing D	ata	
) (1	ine)	(Orifi	ce)		· · · · · · · · · · · · · · · · · · ·		-		Press.	Temp.	Duration of Flo
	Size	Siz	e ps	ig	h _w	°F.		°F.	psig	[⊃] F•	Hr.
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1	effici 24-Hou 3 6	r) 7	/h _w p _f	p:	9.2	0.977	t 7	F _g 0.9359	Facto Fpv 1.01	r	Rate of Flow Q-MCFPD @ 15.025 psia
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	52		80.94		8.2	_ 0.394		0.9 <u>359</u> 0.9359	1.01		2.043
Liquid vity of 9. 9	Liquid	carbon H	Ratio carbons (1-e-	5		cf/bbl.	ALCULATIO	Speci Speci	fic Gravit fic Gravit 213. 2	y Flow	rator Gas. 685 ing Fluid. 76 6 ,304.7
P _w			Τ	Т-	·····	1		 -		1	
	psia)	Pt ²	F _c Q		(F _c Q) ²	(Q) ² -e ^{-s})	P _w 2	$P_c^2 - P_w^2$	Cal P	
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	3.2	645	20.299		12.05			849.0	8308.3 9475.7	1420	
63	1.2	398	20.836	4	34.14	21		612.9	8711.8	782	
PANY_ DRESS_ ENT and NESSED	TITLE	Box 849	2,250 Mil Composite Roswell	11. 1	lev læx Tester	MCFPD;	n 1	.000			
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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
- 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_{pv} 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 $P_{\mathbf{t}}$.