NEW MEXICO OIL CONSERVATION COMMISSION

HOBBS OFFICE ISST Millorm, C-122 Revised 12-17552

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

				Formation							
ruitiai"											-57
				.5 Rg							
				Se					Ψ0		
				Se							
				L32							1.2
roducin	g Thru:	Casin	1g	Tu	bing	Sin	Type We	ell 51 enhead-G.	agle G. or (O Dua	
ate of	Completi	lon:	<u>-9-1955</u>	Packe	r	icae	Reserve	oir Temp			
					OBSERV	VED DATA					
ested T	h roug h	(Partie)	r) (Athenda	(Meter)	-			Type Tap	s]	lange	
			w Data				Data	Casing Da	ata	Γ	
	Line)	(C) (Orific	re) Pre	ss. Diff.	Temp.	Press.	Temp.		Temp.		
`:	Size	Size	ps	ig h _w	°F.	psig	°F.	psig	°F.	l oi	Flo Ir.
						477		720			72
-		1.000	568 568		80 79	665		699 693		<u> </u>	24
		1.000	550			642		684		<u> </u>	2h 2h
	4	1.000	51.2			631		677			21
(6.135 6.135		73.55 21.86	psia	psia F		2 .9198 1 .9198			366 1,0k9 1,3k2	
6		i 👨	35.58		.988	17	.9h98	1.054		1.430	
6.	.135										
Liquid vity of		arbon Ra	atio_ arbons_ (1-e ^{-s}	Dry		CALCULATIO	ONS Speci Speci	fic Gravit fic Gravit 733-2	y_Flow	rator Ga ing Flui	s_ 0. d
Liquid vity of Pt (l Hydroca Liquid	arbon Ra Hydroca	arbons	Dry	cf/bbl. deg.	CQ)2	Speci: Speci: Pc	fic Gravit 733.2 P _c -P _w ²	y_Flow	rator Ga ing Flui 537.4	d W c
Liquid vity of	Hydroca Liquid psia)	arbon Ra Hydroca	arbons_ (1-e ^{-s}	Dry	cf/bbl. deg.	cQ) ²	Speci: Speci: Pc	fic Gravit 733.2 P _c -P _w ²	PC Ca	rator Ga ing Flui 537.4	d w c
Liquid vity of	Hydroca Liquid psia)	arbon Ra Hydroca	arbons_ (1-e ^{-s}	Dry	cf/bbl. deg.	CQ) ²	Speci: Speci: Pc	fic Gravit 733.2 P _c -P _w ²	PC Ca	rator Ga ing Flui 537.4	d
Liquid vity of	h Hydroca Liquid psia)	Pt	arbons_ (1-e ^{-s}	bry	cf/bbl. deg.	CQ)2 -e-s)	Speci Speci P _C P _w 2	fic Gravit 733.2 P _C -P _W 30.4 38.9	PC Ca	rator Ga ing Flui 537.4	dw c .93
Pt (h Hydroca Liquid psia)	Pt 15.0	arbons(1-e ^{-s}	(F _c Q) ²	cf/bbl.deg. (F) (1) MCFPD;	CQ)2 -e-s)	P _w 2	fic Gravit 733.2 P _C -P _W 30.4 38.9 51.5	PC Ca	rator Ga ing Flui 537.4	w c .93
Liquid vity of Pt (678.655.614.655.655.614.655.614.655.614.655.614.655.614.655.614.655.605.605.605.605.605.605	psia)	Pt 15.0	arbons(1-e-s	(F _c Q) ²	cf/bbl.deg. (F) (1) MCFPD;	CQ) ²	P _w 2	fic Gravit 733.2 P _C -P _W 30.4 38.9 51.5	PC Ca	rator Ga ing Flui 537.4	w c .93
Pt (678. 678. 665. 614. Solute MPANY DRESS ENT and	psia) Potentia	Pt 15.0	arbons(1-e ^{-s}	(F _c Q) ²	cf/bbl.deg. (F (1 MCFPD; Co.	CQ) ² -e-s)	P _w 2	fic Gravit 733.2 P _C -P _W 30.4 38.9 51.5	PC Ca	rator Ga ing Flui 537.4	w c .93
Liquid vity of Pt (678. 655. 614. Solute MPANY DRESS	psia) Potentia	Pt 15.0	arbons(1-e ^{-s}	(F _c Q) ² tatas Patr 1361, Jal Renton, 1 G. Smith	cf/bbl.deg. (F (1 MCFPD; Co.	CQ) ² -e-s)	P _w 2	fic Gravit 733.2 P _C -P _W 30.4 38.9 51.5	PC Ca	rator Ga ing Flui 537.4	w c .93

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.
- 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.
- 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 $P_{\rm t}$.