NEW MEXICO OIL CONSERVATION COMMISSION

1933 HAY 271 M 7 39 Form C-122

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

Pool	Jalmat	Jalmat Formation Tates-SR					County				
Init	ial	Aı	nnual		Spec	ial_ I		Date of	Test	3/18/60	
Company WEIER DRILLING COMPANY											
	, M								•		
	ng 7* W									3130	
	ng Non L										
Gas Pay: From 3060 To 3130 L											
Producing Thru: Casing I Tubing Type Well Single Single-Bradenhead-G. G. or G.O. Dual									.O. Dual		
Date of Completion: 1949 Packer Nome Reservoir Temp. OBSERVED DATA											
.	3 (70)	(5	. (2:	(5.5.) \		ED DATA					
Tested Through (Meter								Type Taps Flange			
$\neg \top$	(Prover)	(Choke	Data Press.	Diff.	Temp.	Tubing Press.	Data Temp.	Casing D		Duration	
No.	(Line) Size	(Orifice Size	1	h _u ,	o _F .	psig	o _F .	psig	°F.	of Flow Hr.	
SI				<u> </u>		1 -0		333		72	
1.	4	1.50			60			288	 	24	
2 . 3 .	<u>*</u>	1.50	226	17.23 30.23	60			257		24 24	
4.	7	1,50		49.70	द्य			200	 	24	
No.	Coefficient (24-Hour) √		h _w p _f	Pressure		* 1	Gravity Factor F _g	, -		Rate of Flow Q-MCFPD @ 15.025 psia	
1.	13.99		39.85	300.2	1.0000		9608	1.029		551.0	
2.	13.99		67.32 263.2		1.0000		.9608 1.			928.0	
3.	13.99		85.06	239.2	2 1.0000		9608	1.023		1169	
4. 5.	13.99		02.70	212,2	•9990	•	9608	1.02		1407	
PRESSURE CALCULATIONS Gas Liquid Hydrocarbon Ratio None cf/bbl. Specific Gravity Separator Gas Specific Gravity Flowing Fluid Pc 346.2 Pc 119.8											
No.	P _w Pt (psia)	Pt Pt	F _c Q	$(F_cQ)^2$	(T.	cQ) ² -e ^{-s})	P _w 2	P _c -P _w ²	Ca P	w Pc	
1. 2.	301.2	90.70		:27	.01		90.7 69.8	29.1	301.0	•8/0	
3.	264.2	29.8 57.7	•46 •57	:21 :32	-04	`		50.0 62.1	264.2		
4.	213:2	45.4	-65	-48	.06		57.7 45.4	74-4	240.2	61 /	
5.		-7,7-7	/-						1		
Absolute Porential: 2275 MCFPD; n 1.003											
COMPANY Weier Drilling Co. ADDRESS Box 716 Monehaus, Texas											
ADDRI					<u> </u>				 		
	r and TITLE ESSED		Smith	4.5	Indepe	maent Ca	s Tester			 -	
		D. Sou	Mern		.	···				1	
COMPANY REMARKS											

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.
- P_c 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- $P_{\mathbf{w}}$ 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.
- $h_{\mathbf{W}}^{\perp}$ 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 $P_{\rm t}$.