MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Underlanded Dakota				Formation Del				_County		Δ
nitia	al X	Anr	nual		Spec	ial		_Date of	Test	<u>-11-60</u>
ompar	ny Folhi-	aylor Oil	Солр	I	Lease	[elbi-M	eder	Wel	ll No	
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asing	3_1/2W	t. 17/	I.D. 4.81	set	at_ 🦖	796 Pe	75 rf	90-94 93-18	70 7	185-75 1 93- 7533
	3-8/8 W						ず 年			
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ate o	cing Thru:	ion:	15-60	Packer		Sin	lype we gle-Brade Reservo	enhead-G. oir Temp.	G. or	G.O. Dual
					OBSERV	ED DATA				
ested	d Through	(PANH)	(Choke)	(Type Tar)£	
	/D	Flow (Choke)	Data	Dice		Tubing	Data	Casing D	ata	Duration
٥.	(Prover)		Press.	DIII		ĺ		į	1	I of Flow
I	Size	Size	psig	h _w	F.	psig	F.	psig	F.	
		3/4"	158		34*	138	84*	561	<u> </u>	7 Pers
					<u> </u>					
) .	Coefficient $(24-\text{Hour}) \sqrt{\text{h}}$		vp _f psia		Flow Temp. Factor F _t		Factor F _g	Factor Fpv		Rate of Flow Q-MCFPD @ 15.025 psia
	13,365		3	70	0.97	777	0.1106	1,0	36	1001
	. 						·			
	quid Hydro				cf/bbldeg.		Speci Speci		ty Flo	arator Gas wing Fluid # 94478
•	w Pt (psia)	P _t ²	F _c Q	$(F_cQ)^2$	(F	(cQ) ²	P _w 2	$P_c^2 - P_w^2$		al. Pw Pw Pc
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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 (Pw). MCF/da. @ 15.025 psia and 60° F.
- P_cI 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
- P_{f} Meter pressure, psia.
- hw Differential meter pressure, inches water.
- Fg Gravity correction factor.
- F_t Flowing temperature correction factor.
- F_{pv} Supercompressability factor.
- n _ Slope of back pressure curve.

Note: If P_W cannot be taken because of manner of completion or condition of well, then P_W must be calculated by adding the pressure drop due to friction within the flow string to P_{t} .