MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool	Pool Ballard			Formation Pictured Cliffs				Liffs	_County	San	Juan	
Initial X Annual Special Date of Test September 25, 19												
											7	
											s Company	
	ng 7 5/8" W				TY			777				
Tubing 1 ⁿ Wt. 1.7 I.D. Set at 2755 Perf. 2735 To 2755 Gas Pay: From 2650 To 2762 L xG 0.67 -GL Bar.Press. 12.0												
Producing Thru: Casing X Tubing Type Well Single Gas Single-Bradenhead-G. G. or G.O. Dual Reservoir Temp.												
	•	-					ED DATA					
Test	ed Through	(Prove	<u>r) (Cho</u>	<u>ke) (</u>	(Meter)		DD DRIK		Type Tap	s		
		Flow Da						Data	Casing Da			
No.	(Prover) (Line)	(Chok (Orifi		ess.	Diff.	Temp.	Press.	1	Press.	-	Duration of Flow	
	Size	Siz	e p	sig	h _w	°F.	psig	°F.		[⊃] F•	Hr.	
SI 1.		3/4	et 7	ro		63°F	632 171	ļ	63\(\dagger{170}\)	630	21 days 3 hours	
2.						1 001			170		5 10018	
3. 4.												
5.								İ				
						FLOW CAL						
No.	Coefficient			Pressure		Flow Temp. Factor		Gravity Com			Rate of Flow Q-MCFPD	
	(24-Hou	$r) \sqrt{h_{w}p_{f}}$		psia		Ft		Fg	Fpv		@ 15.025 psia	
1. 2.	12,3650				.82	0.997	1	0.9163	1.019	9	2,16/1	
3。								2123.40				
4. 5.				<u> </u>								
					DD.	ESSURE CA	A CCID ATT	ONS				
							RECO. MIT			_	_	
as L ravi	iquid Hydro ty of Liqui	carbon l d Hydro	carbons			cf/bbl. deg.					rator Gas	
(1-e ^{-s})									616 Pc 117.3			
								P_{W}	183	P 2	33.5	
No.	P _w	$P_{\mathbf{t}}^2$	F _c Q		$(F_cQ)^2$	(F ₀	cQ) ² -e-s)	P_w^2	$P_c^2 - P_w^2$		P _W P _C	
1.								33.5	383.88		0.284	
1. 2. 3.												
4. 5.												
Abso.	lute Potent ANY <u>Sout</u> l	ial: 2	2.328 lon Gas	Comp	anv	MCFPD;	n0	.85		<u> </u>		
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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 I Actual rate of flow at end of flow period at W. H. working pressure ($P_{\rm W}$). 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.
- $h_{\mbox{w}}$ Differential meter pressure, inches water.
- F_g : Gravity correction factor.
- F_t Flowing temperature correction factor.
- Fpv Supercompressability factor.
- n I 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 $P_{\mathbf{t}}$.

