MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Basin Daketa				Formation Daket:				Daketa	a County San Juan					
Initial XX Ann					nualSpecial				ial	Date of Test 1-8-63				
Company Southern Union Production Lease City of Farmington Well No. 2-35														
Unit 7. Sec. 35Twp. 30-N Rge. 13-W Purchaser Southern Union Gas Co.														
											6149.		_	
Tubing 140 Wt. 2.00				١٠.	÷ .			1 4		i di				
									700 -GL 4358 Bar. Press. 12.0					
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Date	omplet	ion:	1-1	Tubing Type Well Single Go. Single-Bradenhead-G. G. or G.O. Dual Reservoir Temp.								G.O. Dual		
	OBSERVED DATA													
Tested Through (Rosse)											Type Taps			
	(Pro	over)	Flow (Choke)				Diff.	Temp.	Press	g Data • Temp	Casing D		Duration	
No.	(L:	ine)	(Ori	fice)			1.	_	.*.		4.1	Į	of Flow	
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4. 5.														
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	Coefficient			FLOW CALCULATION Pressure Flow Temp.						y Compre	ss.	Rate of Flow		
No.				 	<u></u>			Fac	tor	Facto	r Facto	r	Q-MCFPD	
- -	(<4-Hour)			√ n	hwp _f psia			F _t		r _g	r pv	628	@ 15.025 psia	
1. 2.	12.3650			 		╁┈	353	- 70	77	.925	9	.038	4135	
3.														
4. 5.				-		-				· · · · · · · · · · · · · · · · · · ·				
							PR	ESSURE C	ALCU! AT.	LONS				
Gas Liquid Hydrocarbon Rat									Specific Gravity Separator Gas					
Gravity of Liquid Hydrocar			bons deg. (1-e ⁻⁵)					Specific Gravity Flowing Fluid Pc 2028 Pc 4112.8						
C									- C					
	D										· ·		 	
No.	P _w		P	2	F _c Q		$(F_cQ)^2$	(F	$c^{Q})^{2}$	P _w 2	$P_c^2 - P_w^2$	Ca	Pw Pc	
	Pt (p	osia)			Ľ			(1	_e-s)			F		
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4. 5.				+		+						 		
	olute F	orent	ial:	K'	752		 	MCFPD;	n	.75				
COMPANY Southern Union Projection Company														
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AGENT and TITLE Verne Reckhold, Junior Engineer WITNESSED Val Ripper														
COMP	ANY						on Pro	duction	Compa	DY			<u> </u>	
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1 Mr. Paul Clote 1 Mr. L. S. Muennink										311	* 19 _{0.}	?		
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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 600 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.
- F_t Flowing temperature correction factor.
- F_{DV} 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_{t} .