MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Form C-122 Revised 12-1-55									
rile									
Ontober 20, 1961									
as Corpery									
278									
ress. 12									
G.O. Dual									
Duration of Flow Hr.									
Rate of Flow Q-MCFPD @ 15.025 psia									
3051									

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Ini	tial_ *		Annı	ual		Spec	cial		Date of	Test_1	ctober 20, 1961
	pany 🦰 🖍										
Unit Sec. 30 Twp. 26 Rge. St Purchaser 1 Sec. 10 Twp. 26 Carrotte											
Cas	ing 🙀	Wt. 1	Lie 1	.D.	070 00 0 Se	t at	 7 397 Pe	rî. W	71.	To 32	78
Tubing 2.375 Wt. 4.7 I.D. 1.795 Set at 7270 Perf. Open inded To Gas Pay: From 7271 To 7278 L 7270 xG 0.700 est -GL 5000 Bar. Press. 12											
Producing Thru: Casing											
540	o or oombro				racke			neservo	olr Temp.	14.99	
							ED DATA				
Tested Through (Choke) (Meter) Type Taps											
$\overline{}$	(Frover)		Flow Da		Diff.	Tubi		Data Temp.	Casing D	ata	Duration
No.	(Line) Size	(OFI	TICE)	1	1		psig	i	psig	1	of Flow
SI	8 days	†					1292 A. 12.		22 99	F •	nr.
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3.										 	
4. 5.											
										L	
	FLOW CALCULATIONS Coefficient Pressure Flow Temp. Gravity Compress. Rate of Flow										
No.			 	- 1	1 1 17		ctor Factor		Factor Fpv		Q-MCFPD
_	(24-Ho	ur)	ır) √ h _w i		of psia		t	F g			8 15.025 psia
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3。											
5.											
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					PRI	SSORE C	alcui at io	ons			
as L	iquid Hydro ty of Liqu	ocarbor	Ratio			cf/bbl.					rator Gas
C	.cy or hiqu.	та пуат		ons L-e ^{-s})		deg.		Speci:	fic Gravi	ty Flow P25.30	ing Fluid
								C	· ************************************	0.2.2.2.2	
T	$P_{\mathbf{w}}$	1	, -							 	
No.	Pt (psia)	Pt	F	,Q	$(F_cQ)^2$	(F,	Q) ² -e ^{-s})	P _w 2	$P_c^2 - P_w^2$	Ca	
1.	if (bara)					(7.	The second second	5.809	4.822.607	P	w Pc
2.									H OER OU!		
1. 2. 3. 4.										1/05	HVH
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Absolute Potential: 3285 MCFPD; n 0.75 NOV 6 1961											
ADDRESS											
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COMPANY											
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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 (Pw). MCF/da. @ 15.025 psia and 600 F.
- P_c = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater.
- 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.
- hwI Differential meter pressure, inches water.
- F_g : Gravity correction factor.
- Ft Flowing temperature correction factor.
- F_{pv} 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 $P_{\rm t}$.