Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Poo]	Basin	Dakota	<u> </u>	F	'ormatio	n Dako	ta		_County_	Rio	Arriba
Init	ial	x	Annu	al		Spe c	ial		_Date of	Test	9-25-63
Comp	any Caul	cins Ci	1 Comp	any		_Lease	Bre	ech "F"	Wel	l No	D-11
Jnit	; B	Sec.	35 Tw	no. 271	N R	ge. 6W	Pur	chaser E	l Paso Na	tural	Gas Company
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	ng 2 3/1										
											ess. 12
										-	
	deting the	u. 0e	esting			TO THE	Si	ngle-Brade	enhead-G.	G. or	G.O. Dual
ate	of Compl	etion:_	9-13	-63	Packe	er None		Reserve	oir Temp	180	00
						OBSERV	ED DATA				
est	ed Throug	h (Pro	mer) (Choke)	(Mexer)			Туре Тар	s	
			Flow D					g Data	Casing D		I
	(Prover (Line)			Press	Diff	, ,	Press	Temp.	1	Temp.	Duration of Flow
	Size			psig	h _w	°F.	psig	°F.	psig	°F∙	Hr.
I			7				2458		2456		7 day SI
		3	/ <u>/ </u>		+	 	310	700	1072	70°	3 hours.
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					<u> </u>					1	
	Canes		 			FLOW CALC			10-		D-1 0 77
	Coefficient (24-Hour)			1	ressure		Flow Temp. Gravitation Factor Factor		r Factor		Rate of Flow Q-MCFPD
			$\sqrt{h_{\mathbf{w}}}$	$p_{\mathbf{f}}$	psia	Ft		Fg			@ 15.025 psia
	14.1605					322 1.00		9595	1.033		A512
:+											
			 								
			<u> </u>								
vi	iquid Hydr ty of Liqu		rocarbo		PR	cf/bbl.deg.	ALCU(AT)	Speci Speci	fic Gravi	ty Flow	arator Gas ving Fluid 5,100,900
) ·	P _w	P.	2 F.	₂ Q	(F _c Q) ²	(F _c	Q) ² e-s)	P _w 2	$P_c^2 - P_w^2$	Ca	Pw Pc
	, (F. 22.0°,							1,175,056	4,925,8	4	.439
+		+								-	
										+	
									·		
MP.		ulkins	OII Co				n(1.24)	n 1.17	<u>50</u>		
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[.1,N]	ESSED			45-1 f	ora.	Doubel	ALLE SIG		JAFF F	WFK	
OMP	ANY					REMA	DIC		KLU	11 LL	
						n.e.ma	CAMA		SEP3	0 1963	
									JOIL CO	N. CO	м./
									100	ST. 3	
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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_w). MCF/da. @ 15.025 psia and 60° F.
- oci 72 hour wellhead sout-in casing (or tubing) pressure whichever is greater. psia
- 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
- of Meter pressure, psia.
- nwI Differential meter pressure, inches water.
- FgI Gravity correction factor.
- Ft Flowing temperature correction factor.
- Powl Supercompressability factor.
- 1 I Slope of back pressure curve.

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