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MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool	Palla	rd F.C.	•	Fo	rmation	Plot un	ed Bliss		County_	DEN NO		
Initial_		ţ.	_Annua	<u> </u>		Spec	ial		Date of	Test_	ept. 1	8, 1956
Company_	South	era Va	Lon G	es Cosp	with .	Lease	Mak eon		We	ll No	8	b
Unit	₽ Se	ec	Twp	. K	Rge	e8#	Purc	haser	Southern	Onton G	an Cos	pany
Casing	9 5/6 W	t ئ	2 .3 I.	.D	Set	t at_	12 Pe	rf 2	275	_To	2326	
Tubing	In W	t	.7# I.	.D	Set	t at	319 Pe	rf. 23	19	_To	2276	
									1540			12.0
Producing	g Thru:	Cast	ing	X	Tul	oing_		Type We	ell 31 enhead-G.	ng lo ge		
Date of	Complet	ion:	9-1-S	6	Packer	r	Sin	gle-Brade Reserve	enhead-G. oir Temp.	G. or (G.O. Di	ual
							ED DATA					
Tested T	h roug h	(Free	*) (0	Choke)	(Netex)		•.	,	Type Ta	ps		
			Low Da				Tubing		Casing		<u> </u>	
	rover) Line)	(Chok	(e)	Press.	Diff.	Temp.	Press.	Temp.	Press.	Temp.		Duration of Flow
	Size	Siz		psig	h _w	o _{F•}	psig	°F.	psig	°F.		Hr.
SI							606		606			
1. 2.		3/4	**	1,75		68	133		178	65	1 2 1	our
3.										-	 	
4. 5.												
<u> </u>		 		<u> </u>				L		<u> </u>	<u> </u>	
					F	FLOW CAL	CULATION	<u>s</u>	1.0			0 73
No.	Coefficient $(24-\text{Hour}) \sqrt{h_{W}p_{1}}$		Pre			tor I	Factor	y Compress. r Factor		Rate of Flow Q-MCFPD		
			√ h _w p		osia	F	t	Fg	Fpv		@ 15.025 psia	
1. 12	. 3550			1	43	0.9901		0.746)	1.0	15	1,7	35
1. 4. 3. 4. 5.			· · · · · · · · · · · · · · · · · · ·									
4.												
5.												
as Liquic ravity of			carbo		PRI	cf/bbl. deg.	ALCUI ATI (Speci	ific Gravi ific Gravi	ity_Flow		
No. Pt	(psia)	$P_{\mathbf{t}}^2$	Fc	Q	$(F_cQ)^2$	(F ₀	cQ) ² -e-s)	P _w 2	P _c -P _w ²	Ca	al. P _w	P _W P _C
			#					27.5	357.4			0.263
1. 2. 3. 4.			+		· <u>*</u>			 	 			
4.												
		·	-	.01.5			, O.	RC	<u> </u>			
Absolute COMPANY	Potenti	al:	aten () 342 288 - 348		MCFPD;	n	9 >			Tin	
ADDRESS						# 20					44	
AGENT and			LACO	rt Note	W VI.	WY. RE	daw.			1		T
WITNESSEI COMPANY	·									115		0× 1
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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.
- Pc= 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- PwI 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.
- Ft Flowing temperature correction factor.
- $\mathbf{F}_{\mathbf{nv}}$ 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 .

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