MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Poo	1	Blar	1 00		Fo	rmation	Mes	a Verde		_County_	Rio	Arriba
Ini	tial_	X		Annu	al		Spec	ial		Date of	Test_S	eptember 26, 1957
Com	pany_	Southe	ırı Un	1on Ga	в Сетра	ny	Lease_S	an Juan	Unit 29-7	Wel	l No	61
Uni	t	N S	Sec.	34 _Tw	p. 29	N Rg	e. 7W	Purcl	haser_ K	Paso Nat	ural G	as Company
Cas	7 ing <u>5</u>	1/2" W	/t .15.	<u>4</u> 51	.D. <u>4.9</u>	69 50 Se	0–36 t at <u>3280</u>	05 -5778 Per	rf. <u>506</u>	58	То	ss Company
												5718
Gas	Pay:	From_	5068	To	5742	L	x	G_0.67 1	Sst_GL		Bar.Pr	ess. <u>12.0</u>
Pro	ducin	g Thru:	Ca	sing		Tu	bing	x	Type We	ell <u>Si</u>	ngle G	RS G.O. Dual
Date	e of	Complet	ion: <u>A</u>	ugust	6. 1957	Packe	r	Sing	gle-Brade Reservo	enhead-G. oir Temp	G. or	G.O. Dual
					•			ED DATA				
Test	ted Ti	nrough	(Pro	ver) (Choke)	(Motor)				Type Tap	s	
 ,				Flow D				Tubing	Data	Casing D	ata	
No.		rover) Line)	(Ori	fice)		}	-			Press.		of Flow
SI		Size	S:	i z e	psig	h _w	°F•		°F.	psig	°F∙	
1.				3/4"	353		650	107lı 353	650	108h 872		50 days
2. 3.												
4.												
5.			<u>L</u>							<u> </u>		
No.		oeffici (24-Hou		$\sqrt{h_{w}}$	1	essure		l'emp.	Gravity	Compre Facto Fpv		Rate of Flow Q-MCFPD @ 15.025 psia
1.	12.	3650				365	0.9952		0.9463	1.040		الوال
3.												
4. 5.									:			
iravi	ity of	i Hydro	d Hydr	rocarb			essure ca cf/bbl. deg.	ALCU!ATIC	Speci Speci	fic Gravi	ty_Flow	arator Gaswing Fluid
	$P_{\mathbf{w}}$		-						W	881	_ W	781.4
No.		(psia)	Pt	F	₂ Q	$(F_cQ)^2$	(F ₀	Q) ² -e ^{-s})	P_w^2	$P_c^2 - P_w^2$	Ca H	Pw Pc
1. 2. 3.									781.4	119.76	-	0.805
<u>3</u> .												
4. 5.											 	
Abso COMF ADDF AGEN	PANY_ RESS_	P. TITLE	thern O. Ba	Vintor x 815	Gas Co Farmi	ngton,	MCFPD;		D .7 5			
	PANY_		Cran Paso	Natura	1 Gas C	ompany						25
							REMA	ARKS			4	Por

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
- P_t Flowing wellhead pressure (tubing if flowing through tubing, casing if flowing through casing.) psia
- Pf Meter pressure, psia.
- $h_{\mbox{\scriptsize W}}\mbox{\scriptsize I}$ Differential meter pressure, inches water.
- F_g : Gravity correction factor.
- F_t Flowing temperature correction factor.
- F_{DV}^{-} Supercompressability factor.
- n 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 $P_{\mathbf{t}}$.

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Carretter			
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