			MULTI-	-POINT B	ACK PRES	SURE TES	T FOR GAS	WELLS	,	Revised 12-1-55
Poo]	Aztec		Fc	rmation	Pictur	ed Cliff	·	_County_	San Ju	ian
Init	tialX	Anı	nual		Spec	ial		_Date of	Test <u>Ser</u>	tember 25, 1957
Comp	pany Souther	n Union G	as Compa	ı y	Lease	Albright	<u> </u>	We	ll No	1-A
Unit	. <u>A</u> S	Sec. 25	Iwp. 30	N Rg	e11W	Purc	haser_Sou	thern Un	ion Gas	Corr any
	ing 51m W									
Tubi	ing 1 ^M W	t. <u>1.7</u>	I.D	Se	t at 2639	Pe	rf. 2615		To 26	35
Gas	Pay: From_	2 569 To	2648	L	x	G 0.67 E	stGL_		_Bar.Pre	ss. 12.0
Prod	ducing Thru:	Casing	X	Tu	bing		Type We	ll <u>Sing</u>	le Gas	
Date	of Complet	ion: Sept.	18, 195	7 Packe	r	Sin	gle-Brade Reservo	nhead-G. ir Temp.	G. or G	.0. Dual
	-					ED DATA	- 1 -			
Test	ted Through	(Prover)	(Choke)	(Meter)				Type Tap	os	
		Flow				Tubing	Data	Casing I		
		(Choke)	Press.	Diff.	Temp.		Temp.	Press.		1 .
No.	(Line) Size	(Orifice		h _w	o _F .	psig	°F.	psig	°F∙	of Flow Hr.
SI 1.		3/L ^m	302		66°F	626 313		626 302	66° F	12 days
2.									1	
3. 4.		<u> </u>							 	
5.										
					FLOW CAL	CULATION	IS			
No.	Coefficient		Pı	Pressure Flow		Temp. Gravity		1 -		Rate of Flow Q-MCFPD
NO.	(24-Hour) √		wp _f psia		Factor F _t		Fg	l B		@ 15.025 psia
1.	12,3650			314	0.9943		0.91,63	1.03		3. 7 77
1. 2. 3. 4.								_		
4.										
<u> </u>										
				PR	ESSURE C	CALCULATI	ONS			
as I	Liquid Hydro	carbon Ra	tio		cf/bbl.					arator Gas
	ity of Liqui	-	rbons (1-e ^{-s})	· ·	deg.			fic Grav 638		wing Fluid
C			_ `			-	-	325		
$\neg \tau$	$P_{\mathbf{w}}$	2				.2				
No.	Pt (psia)	Pt Pt	F _c Q	$(F_cQ)^2$	(F	$\left(\frac{1}{2}c^{Q}\right)^{2}$	P_w^2	$P_c^2 - P_w^2$		Pw Pc
1.	1 ((psia)					,	105.6	301.		0.510
1. 2.										
3. j									- 	
4. 5.										
	olute Potent				MCFPD;	n <u>0.8</u>	35			
	PANY South				Non Man					
AGE	RESS P. O.	Vernon	nsa evol L	norginus Ass	t Drill	ling Sune	erinten der	ıt		
MITI	NESSED									
COM	PANY	- 			REN	MARKS			2200	

On co.

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 \equiv Actual rate of flow at end of flow period at W. H. working pressure (P_W). MCF/da. @ 15.025 psia and 600 F.
- P_c = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- P_{w} 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.
- $h_{\mathbf{W}}^{-}$ 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 $P_{\mathbf{w}}$ 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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