MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

Po	ol Pine Lak	<u>e</u>		F	ormation	n Pi	cture Cl	iff	County_	Rio Ar	riba
In	itial X		Ann	ual		Spe	cial		Date of	Test	9-21-60
	mpany Hono										
	it									_	
	sing									To 4	4019
	oing										
											ess. 12 psia
	ducing Thru										COO.
	e of Complet						~~~	APIA Desada	ambaad (1	n /	G.O. Dual
	•	•						neserve	ort temb ·	10 F	
Тос	ted Through	- 	\(ar I	(3r +)		ED DATA				
7	ted Through				(Meter)				Type Tar)S	Flange
	(Prover)	1 (Ch	Flow D	ata Ibroas	Dice	M		Data	Casing I	ata	
No.	(Line)	(Ori				Temp.	Press.	Temp.	Press.	Temp.	Duration of Flow
	Size		ize	psig	h _w	°F.	psig	°F.	psig	[⊃] F•	Hr.
SI	2.000	1.0	000			60	1020	60	1020	60	7 days
1. 2. 3.	2,000	1.0	000	504	22	60	505	60	620	60	16 hours
3.		 	 -	 	-			 		 	
4. 5.										 	<u> </u>
<u> </u>		L									
	_				1	FT.OW CAT.	CULATION	S			
	Coeffici	ent		Pr					Compre	ss.	Rate of Flow
No.	(24-Hou	\	/ /-			Fact	tor	Factor	Compre Facto	r	Q-MCFPD
-		r)					t	Fg	$\mathbf{F}_{\mathbf{pv}}$		@ 15 .0 25 psia
2.	4,946.38		106.	54	516	1.000		.2127	1.064		680
3.						 ,					
1. 2. 3. 4.											
201			<u> </u>								
					PRE	ESSURE CA	ALCU ATI	ONS			
7a - T	2 m 2 3 Yr 3	•									
Jas L Gravi	iquid Hydrod ty of Liquid	carbor 1 Hydr	n Katio	500.	000	cf/bbl.		Speci	fic Gravit	y Sepa	rator Gas .680
C	24.62	a my can	(1	_e_ = ==	-	deg.		Speci:	ric Gravit 1032	y Flow: p2	ing Fluid .753*
V			,						ured at v		
	$P_{\mathbf{w}}$										
No.	¹ W	P_{t}^{2}	Fc	a l	$(F_cQ)^2$	(F)	0)2	P _w 2	$P_c^2 - P_w^2$	Co.	
	Pt (psia)	·	, -0		(- Ge)	(1-	Q) ² -e ^{-s})	' W~	_cw	Cal P.	l. Pw Fc
1. 2. 3.								399.4	665.6	<u>V</u>	.593
3.											
4.										 	
4. 5.											
Abso	lute Potenti	al:	1 112	Property and	· · · · · · · · · · · · · · · · · · ·	MCFPD;	n 05			<u> </u>	
COMP	ANY	H	opolul	u 011 (Corporat	_norrb,					
ADDR		B	FAVEL	1391	fidland.	Texas					
	T and TITLE_ ESSED		13	Z	en	- 40	G. B. E	vans, Div	ision Gas	Engine	er
COMP		Sc	withern	Union	Gas Com	Danv	M				OFILE
						REMA	RKS			10	HHUFA
	arrana saga La la sa		 	e e e e e e e e e e e e e e e e e e e							rnrilrn /
***	, , , , , , , , , , , , , , , , , , ,		mera Villa Turk							no	CT1 0 1960
F	low rate and	casi	ng pre	ssure s	table fo	or the la	ast four	hours of	the test	. 1	į.
										Loir	DIST. 3
	•	•								3	UIOTO /

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 (P_w) . MCF/da. @ 15.025 psia and 60° F.
- P_c= 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- PwT 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
- P_{f} Meter pressure, psia.
- hw Differential meter pressure, inches water.
- $F_g = Gravity$ correction factor.
- F_t Flowing temperature correction factor.
- F_{pv} Supercompressability factor.
- n _ 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 $P_{\rm t}$.

STATE OF TO ON CLASS FRANCE STATE DIST	MI COM	FICE).: }
S.ATA FE		7	1
U.S.G.S. Lidio OFFICE TRANSPORTER	GAS		
PRUMATION OFFICE OPERATOR		1	<u> </u>