MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS Revised 12-1-55

Pool	l	alma	<u>t </u>	~	F	'ormation		Yates		_County_	L	Ba	
Init	tial			Annu	al	سينجين سيناسديدون	Spec	cial	X	Date of	Test_	9-23/	9-27-63
Comp	pany Re	serv	e 0il	and (Gas Co	mpany *	Lease	Hur	nter	Wel	l No.	1	
										l Paso Na			
										20/0			
										1960			
Prod	lucing Th	ru:	Casi	ng_	X	Tul	ping	Sin	Type We	ell S: enhead-G.	ingle G. or	G.O.	Dual
Date	e of Comp	leti	on:_A	pril	3, 19	+8 Packe:	r		_Reserve	oir Temp			
							OBSERV	ED DATA					
Test	ed Throu	gh.	EXEXE	<u>r) (</u>	elevice)	(Meter)				Type Tap	s	Flan	ge
			Flow Data					Tubing Data		Casing Data		- -	
No.	(Rxexx (Line		(C kek (Orifi		Press	. Diff.	Temp.		Temp.		Temp.	7	Duration of Flow
	Size		Siz		psig	h _w	o _F .	psig	°F.	psig	[⊃] F•		Hr.
SI						2				331			72
1.	4 x 1.2 4 x 1.2				177 139	T	80 67			294 261		╂	<u>24</u> 24
2. 3.	4 x 1.2				230		78			268		 	24
4. S.	4 x 1.2				193		74			239		1	24
5.						<u> </u>					<u> </u>	⊥	
						ī	יו. ש מאו	CULATIONS	3				
	Coefficient		nt	t.		Pressure Fl				Compress.		Rate of Flow	
No.									Factor			Q-MCFPD	
	(24-Hour		r) ¬/ h _w p		f psia		F	Fg		Fpv		@ 15.025 psia	
1.	9.643		22.07				9813		9400		.017		199.6
2.		9.643		37.0	01	.9933		.9400		1.014		337.9	
<u>3</u> .		9.643		34.			.9831			1.0	23	312.7	
1. 2. 3. 4. 5.	9.643			56.0	20		<u>.9868</u>		.9400	1.02	20		510.9
ravi	iquid Hyo ty of Lie 4792	auid	Evdro	carbo	ons		cf/bbl.		Speci Speci	fic Gravit fic Gravit 344.2	ty Flor	wing	Fluid
No.	**X		P ²	l l	2	(F _c Q) ²	(p	0)2	D ?	$P_c^2 - P_w^2$	0.		D
140 •	Pt (psia	a)	15	Fo		(1. C/47)	(1	c ^{Q)² -e^{-s})}	P _w 2	⁻c ^{−r} w		al.	Pw Pc
1.			94.4			egligibl			94.4	24.1		<u> </u>	
1. 2.	307.2 274.2		<u>75.2</u>						94.4 75.2	24.1 43.3			
<u>3. </u>	281.2		79.1						79.1 63.6	39.4	1		
3. 4. 5.	252.2		63.6						63.6	54.9			
	1t c . T			RAIO			16222				1		
COMP	lute Pore ANY R	eser	re 011	and	Gas Co	PROMO	_MCFPD;						
ADDRI	ESS 50	5 Mid	iland	Savir	gs Blo	ig., Midl	and, Te	Xas					
AGEN'	t and TI	LTE	Paul (regg	ory, P	od. Supt				75.17			10-18-63
MITM	ESSED	R,	A. Mi	<u>kel</u>									
COMP	ANY						ਹਰਮ	ARKS		· · · · · · · · · · · · · · · · · · ·		-	
							REMA	GALLH					

* Well previously operated by Producing Properties, Inc.

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 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.
- $h_{\mbox{\scriptsize W}}\mbox{\footnotesize -}$ Differential meter pressure, inches water.
- F_{g} Gravity correction factor.
- F_t Flowing temperature correction factor.
- Fpv 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 $P_{\mathbf{t}}$.