MAIN OFFICE OCC

Form C-122

1957 SFP

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

Pool	Eumont	- CEP (ormation	()	Queen		_County	Lea		
InitialAnnual				Special			Date of Test8-26/8-30 1957				
Comp	any El Past	Natural .	Gas Com	pany	Lease 5	hell Stat	te	Wel	l No	12	
IIni+	Page 1	36	7 ₁	Ra	36	Purc	haser				
OUTC	ng 5 1/2 W	15 .5#		1.8	35	64 .	23 s	T	m - 2	439	
	ng 2 1/2 W										
Gas	Pay: From_	3443 _{To}	3458	L34	43	_{kG} 690		376	Bar.Pre	ess. <u>13.2</u>	
Prod	lucing Thru:	Casing		Tu	bing	X	Type We	11 Sing	le Common	T O Decol	
Date	e of Complet	ion: 11-	18-55	Packe	r None	Sin	gle-Brade Reservo	ennead-G. oir Temp.	G. or C	i.O. Dual	
	•					VED DATA	<u> </u>				
		**** * \	建运行营费 、	(25.1)		VLD Ditti			. Flan	<i>8</i> **	
Tested Through (Prover) (Choke) (M								Type Taps Flange			
	/######\		Data	D: 00		Tubing		Casing I	Data	Duration	
No.	(Prover)	(Choke)		Diff.	Temp.	Press.	Temp.	Press.	Temp.	Duration of Flow	
.,,	Size	Size	/ psig	h _w	o _F .	psig	°F.	psig	[⊃] F•		
SI		 		-		1113	 	1113		72	
1. 2. 3. 4.	4	1.750	- 504			1063	<u> </u>	1063		24	
2.	4	1.750	577	17.64	71	1047		1979		214	
3.	4	1.750	583	25,01	68	1026		1028		24	
4.	4	1,750	584	40,96	67	991	<u> </u>	994		24	
No. 1. 2. 3. 4.	Coeffici (24-Hou 19.27	r) \sqrt{8}	h _w p _f	ressure psia	FLOW CALCULATI Flow Temp. Factor Ft		Factor F _g	Compress. Factor Fpv 1.664		Rate of Flow Q-MCFPD @ 15.025 psia	
2.	19.27		2.01		.9896					1,930	
3.	19.27		4.50 5.40		•9933		9325	1.070		2,375	
4.	19.27		0.40		•7733		7367	2.010		6,700	
as I ravi c	Liquid Hydro	carbon Ra d Hydroca	tio	7	RESSURE of bbl deg		Speci	ific Gravi ific Gravi 1126.2	ity Sepa ity Flor PC_12	arator Gas 690 wing Fluid 68.3	
7	$P_{\mathbf{w}}$	2		,	, ,	- 0,2		_2 _2	T	-1 D	
No.	**Pt (psia)	Pt ²	$^{ extsf{F}_{ extbf{c}} extsf{Q}}$	(F _c Q) ²		F _c Q) ² 1-e ^{-s})	P _w 2	P _c -P _w ²		$\begin{array}{ccc} \text{al.} & P_{\mathbf{W}} \\ P_{\mathbf{W}} & P_{\mathbf{C}} \end{array}$	
I. 1	10(0.2						1158.2	110.1		•722	
2.	1061,2	770	sared				1126.1	11,2.2		.94	
3.	1007.2						1014.5	184.2 253.8		.92	
4.	200112						evarie 7	273.0		• • • • •	
ADDF AGEN	RESS VT and TITLE	Box 1364	12,250 1 Gas Co Jal, Ne	Mariye Mariye		; n850		Engineer			
	11100110	Papo Natu	MI GER	COMMENT							
COMI	PANY	HOU MARKE									

REMARKS

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.
- 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
- Pt Flowing wellhead pressure (tubing if flowing through tubing, casing if flowing through casing.) psia
- Pf Meter pressure, psia.
- hw Differential meter pressure, inches water.
- Fg Gravity correction factor.
- Ft Flowing temperature correction factor.
- F_{DV} Supercompressability factor.
- n I 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 $P_{\rm t}$.