Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool	SOUTH BLA	NCO		Formation PICTURED CLIFFS				County RIO ARRIBA			
Ini	tialX		Annual_		Spec	ial		_Date of	Test_1	0-26-60	
Comp	pany <u>CAULK IN</u>	s oil c	OMPANY		_Lease	STATE "B	m	Wel	l No. P	D-233	
Unit	. D .	Sec. <u>16</u>	Twp	26N R	ge 6W	Purc	haser 9 00	THERN UNI	ON GAS	COMPANY	
Casi	ing 7" W	it. <u>20#</u>	I.D	s	et at_ 303	8 Pe	rf3038		To30 <u>5</u>	3	
	·									ss	
	lucing Thru:										
						Sin	gle-Brade	nhead-G. (G. or G	.O. Dual	
Dage	OI COMPICE	,1011 _	<u> </u>	rack			neserve	TI Temp.			
	1 60	/ D) (a) ,			ED DATA					
Test	ed Through				2			Type Tap:		· · · · · · · · · · · · · · · · · · ·	
	(Prover)	(Chok	ow Data e) Pre	ss. Diff	• Temp.	Tubing Press.	Data Temp.	Casing Da Press.	ta Temp.	Duration	
No.	(Line) Size	(Orifi Siz	ce) e ps:	ig h	o _F .	psig	°F.	r _' sig	∍ _F .	of Flow Hr.	
SI						711	60°	711		14 day S.I.	
1. 2.		3/411	9	3		93	60°	361		3 hr. Flow	
3. 4.											
5. 1											
	Coeffici	ent	<u> </u>		FLOW CAL Flow			Compres	ss.	Rate of Flow	
No. (24-Hour)			h.ne	psia	Fac	tor	Factor	Compress. Factor		Q-MCFPD @ 15.025 psia	
1. 2.	14.1605		- Wr I	1.05	1.00).9535	1.012		1435	
3.											
4. 5.											
				PI	RESSURE C	ALCU ATI	ons				
as I	iquid Hydro	carbon l	Ratio		cf/bbl.		Speci	fic Gravit	tv Sena	rator Gas	
ravi	ty of Liqui	d Hydro	carbons	S) 0.131	deg.		Speci	fic Gravit		ing Fluid	
c	24,02		(1-6				' C——	(45	_1 C244	(4)	
	$P_{\mathbf{w}}$	 2	T 0	(7.0)	2 (7	0,2	D 0	$P_c^2 - P_w^2$	0		
No.	Pt (psia)	Pt	F _c Q	(F _c Q) ²	(1	_c Q) ² -e ^{-s})	P _w 2		Ca:	y Pc	
1. 2.	373						139.1	333.6		0.517	
3. 4. 5.										1	
5.											
Abso	lute Potent				MCFPD;	n (1.36)	1.29	86			
ADDR	ESS POY 7	ins oil 10, farn		NEW METC							
WITN	T and TITLE ESSED	J.s.	auk	1/21	ary	FI	CLD SUPER	INT NDENT			
COMF	ANY				REM	ARKS	<u> </u>			*/	
	·							/	OCT		

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 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
- Pf Meter pressure, psia.
- $h_{\ensuremath{\mathbf{w}}^{-}}$ Differential meter pressure, inches water.
- $F_g = Gravity$ correction factor.
- Ft Flowing temperature correction factor.
- F_{pv} 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 $P_{\mathbf{t}}$.

STATE OF NEW A	EXICO								
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