Form C-122

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

Pool	SOUTH	BLANCE	<u> </u>		Formation	PICT	RED CL	778	_County	RIO A	RRIBA	<u> </u>
Initial Annual Annual				al	Special				Date of Test_1-21-60			
Compa	any Joh	STON &	SHEAR	···		Lease	JICARI	ILLA	Wel	l No	2-1	
Unit	C	Sec1	L Tw	p. 2 4	AN Rg	e	Pur	chaser	PASO NAT	VRAL G	AS CO	<u>. </u>
Casi	ng 2-7/8	Wt6.	. 5 _I	.D. 3	.441 Se	t at 3306	F F	erf. 3230		To 3266		
Tubir	ng	Wt	I	.D	Se	t at	F	Perf	1415 · · · · · · · · · · · · · · · · · · ·	То	**	
Gas 1	Pay: From	3330	To	3266	L_ 33	30 x	Gest .	380 <u>-</u> GL_	196	Bar.Pr	ess	
Produ	ucing Thru	ı: Ca	sing	X	Tu	bing		Type Weingle-Brade	11 Sin	gle		
Date	of Comple	tion:_	1-10-6	0	Packe	r We	Si	ingle-Brade Reservo	nhead-G. (ir Temp	G. or	G.O.	Dual
							ED DATA					
Teste	ed Through	(198		Choke) (NEEEE)				Type Tap	s		
			77 D				Tubir	ng Data	Casina	a + a	-	
	(Prover)	(Che	oke)	Pres	s. Diff.	Temp.	Press	s. Temp.	Press.	Temp.	1	Duration
No.	(Line) Size	(Ori:	fice) ize	psi	g h _w	o _F .	psig	, o _F ,	psig	⊳F.		of Flow Hr.
SI					-				937		81	
1. 2.							<u> </u>			ļ	┼-	
3.	3		3/4	242		60					3	hr
4. 5.		+									+	
<u> </u>					_ 					<u> </u>		
<u> </u>	Coeffic	ient	1		Pressure	FLOW CAI Flow	Temp.	Gravity	Compre	ss.	Rate	of Flow
No.	/21	,				Fac	tor	Factor	Facto	r	Q-M	CFPD
	(24-Hour) √ h _w p		p _f	psia	Ft		F _g	Fpv		@ 15.025 psia		
1. 2.											! 	
3. 4. 5.	13.1	65			254	1,000		,9393	1.	028	1	,033
5.												
						ESSURE C						
	iquid Hydr ty of Liqu	id Hyd:				cf/bbl. deg.		Speci	fic Gravi fic Gravi	tyFlo	wing	Fluid
	8	. 551		1-е ⁻⁵	0.148		-	Pc	949	_Pc	900.	601
					т				γ			
No.	$P_{\mathbf{W}}$	P	2 F	_c Q	$(F_cQ)^2$	(F	(cQ) ² (-e ^{-s})	P _w 2	$P_c^2 - P_w^2$	I I	al.	$\frac{P_{\mathbf{w}}}{P_{\mathbf{c}}}$
- -	Pt (psia)					(1	L-e ^{-S})				P _{w_}	Pc
2.	354	64.5	10 10	0.00	283,451	41.1	103	106,467	794,134			1.1341
1. 2. 3. 4. 5.	204	04.5	10 10	.836	200,404			200,207	102,202	+		
	lute Poter	+ 1 2 1 .	3,3	75		MC B D D	n -1	55/1.1126	I	<u></u>		
COMP	ANY	MATON	A SEA			PIOFID,	, ''					<u></u>
ADDRI AGEN'	ESS 3 T and TITI			TA DI.	VD., IR.		IQUE. IL	PRODUCTICS	Cantana	TOW		· · · · · · · · · · · · · · · · · · ·
WITN	ESSED	J,	M. H	TANK T				T DAME OF SAME		-		
COMP	ANY		SET EN E	ST TO	OFFICE OF THE PERSON		ARKS		APF!	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ 		
						11111			/KILL!		•	
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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 (Pw). MCF/da. @ 15.025 psia and 600 F.
- P_c 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- $P_{\mathbf{w}}^{-}$ Static wellhead working pressure as determined at the end of flow period. (Casing if flowing thru tubing, tubing if flowing thru casing.) psia
- P_t Flowing wellhead pressure (tubing if flowing through tubing, casing if flowing through casing.) psia
- Pf Meter pressure, psia.
- $h_{\mbox{\scriptsize W}}^{-}$ Differential meter pressure, inches water.
- F_g : 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 $P_{\rm t}$.

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ATTENDED							
AZTEC DISTRICT OFFICE							
DISTRICTION							
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Operator							
Senta Pe	-						
State Land Office	in contract of the contract of						
U. S. G. S.	The Additional Property of the Additional Proper						
Transporter							
File	7						

DRILLING DEPARTMENT

			COMPANY _	JOHNSTON	& SHEAR
			LEASE	CARILLA	WELL NO. 2-1
			DATE OF T	EST JANUARY	21, 1960
SHUT IN PRESSURE	(PSIG): TUB	ING CASING _	937 S.I.	PERIOD	9 DAYS
SIZE BLOW NIPPLE	3/4" TC CK				
FLOW THROUGH	CASING	WOI	RKING PRESSUR	ES FROM	
TIME HOURS MINUTES	PRESSURE	Q (MCFD) 15.025 PSIA & 60°F	WELLHEAD PRESSURE	WORKING (PSIG)	TEMP
<u>0 15</u>	620 392				54
0 45 1 90 2 00	374 336 276				57 58
3 00		3,033			60
START AT	11:02 AM	EN	D TEST AT	2:02 PM	
REMARKS:	Blew large of test.	amount frac sand first Vapor of moisture throu	30 minutes s	and gmall am	ount remainder
			TESTED BY :	C. E. WI	SUER
			WITNESS:	J. M. NI	WMAN