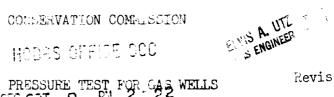
NEW MEXICO OIL COMBERVATION COMBISSION



Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool	1 Formation Queen							County Log			
	ial z								5.	-31-56	
Compa	any The T	exas Com	PARY		Lease II.	T. Mat	tern	Wel	l No	5	
Unit	S	ec. 20	Twp .19-	Rg	e • <u>37</u> -	-B Purcl	naser Pa j	mian Ba	ria Pi	pe Line Co.	
Casin	ng 51 W	t. 14	_I.D <u>5</u> .	.012 Se	t at <u>347</u>	O Per	rf. Oper	Hole	То		
Tubir	ng 2 3/8 W	t. 4.70	I.D.1.	995 Se	t at 1506	Per	rf. 3501	<u> </u>	To 350	<u> </u>	
Gas I	Pay: From	3470 _To	3639	L_35()2 x	.G <u>.667</u>		2336	Bar.Pre	ss.	
Producing Thru: Casing Tubing Type Well Single-Bradenhead-G. G. or G.O. Dual											
Date	of Complet	ion: 7-	27-54	Packe:	r_ Hene	Sin	gLe-B rad e Reserve	enhead-G. oir Temp	G. or G		
G0-1	1.65%	No= 1.2	95		OBSERV	ED DATA					
_	ed Through							Type Tap	s_ Pi	DO	
Flow Data							Data Casing Data				
	(Proven)	(Choke)	Press	Diff	Temp.	Press	Temp.	Press.	Temp.	Duration	
No.	(Line) Size	(Orifice)		On	71000	0 ₁₀		2022	of Flow	
SI	5126	5126	psig	W ¹¹ W		1010.1	Γ.	1011.\$	F •	72 1/A	
1.		1.750	454.	15.0	91	\$10.6		434.2		24 1/3	
2.	<u> </u>	1.759	454.	20.1	93	740.2		742.5		24	
3.	1	1.750		36.3	95 78	669. 8 550.0		727.9 691.7	ļ	2 <u>L</u>	
4.		20174		7007		274.4					
				,	ET OU OAT	CIT A TITON	5				
	Coefficient			Pressure Flow Temp			Gravity Compress. Rate of Flow				
No.			-		Fac	tor	Factor	Factor		Q-MCFPD	
	(24 - Hou	\mathbf{r}) $\sqrt{1}$	h _w p _f	psia	F	't	$^{ m F}{f g}_{ot}$			@ 15.025 psia	
1. 2.	21.69		3.76	47.7	7.7 .971		94.94		240	1,743	
3.	21.69	- 9	9.5	67.2	87.2 969		-9494	1.040		2,013	
4.	21.69	13	1.5	76.6		1	9704			2.7	
<u>4.</u> 5.											
				PR:	ESSURE C	ALCULATIO	วพร				
				110	DECOILE O		J110			•	
Gas Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gas											
Gravity of Liquid Hydrocarbons deg. Specific Gravity Flowing Fluid P _C 1025.0 P ² C 1050.6											
·			_ \			-	- C—-	70/1		2700	
	P _w				1		 		1		
No.		$P_{\mathbf{t}}^2$	F _c Q	$(F_cQ)^2$	(F	(cQ) ² (-e ^{-s})	P_{w}^{2}	$P_c^2 - P_w^2$	Ca	P _W P _C	
	Pt (psia)				(1	e ^{-s})			F	P _C	
1. 2.	报						724.9	325-7	 		
3.	711.1						619.2	101		1/2	
4. 5.	794.9						496.9	553.7	 	-69	
	luka De :	-		<u> </u>	Marro			<u> </u>			
Absolute Potential: MCFPD; n 63 COMPANY											
ADDRESS Reg 1270 No. 1270											
AGENT and TITLE I. I. Better Bistrick Gas Non College WitnessED											
		- I.		rest.	- 14-	A Came:					
COMPANY Persian Basin Pipe Line Company 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 _ Actual rate of flow at end of flow period at W. H. working pressure (Pw). MCF/da. @ 15.025 psia and 60° F.
- PcI 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater.
- 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.
- $F_g \subseteq Gravity$ correction factor.
- F_{t} Flowing temperature correction factor.
- Fny Supercompressability factor.
- n I Slope of back pressure curve.

Note: If Pw cannot be taken because of manner of completion or condition of well, then Pw must be calculated by adding the pressure drop due to friction within the flow string to P+.