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

ool Bouth Blan	<u>ico</u>		_Formation	Picture	d Cliffs	<u> </u>	County_1	NIO AFI	108	
Initial * Annual				Special			Date of Test6-16-60			
ompany <u>Pubco P</u> e	troleum	Corporat	tion	Lease Se	n Juan U	nit 28-6	Wel	1 No	89	
nit O	Sec9_	_Twp2	7 N Rg	ge. 6 W	Purc	haser El	Paso Natur	ral Gas		
asing 4½ 1								To		
Tubing 1 Wt. 1.70 I.D.								To3	169	
as Pay: From	31.32 T	o_3185	L 312	7 <u>x</u>	G_0.640			Bar.Pre	ss. <u>12</u>	
Producing Thru: Casing Tubing X Type Well Single Gas Single-Bradenhead-G. G. or G.O. Dual										
ate of Complet	10n: 0-9	<i>)</i> -00	Раске	observ	}	igle-Brade Reservo	enhead-G. oir Temp	G. or (G.O. Dual	
ested Through	(####	(Choke	e) (####-)	<u>.</u>			Type Tap	s		
		w Data				Data	Casing D		Γ	
(Line)	(Orific	e)	Bs. Diff.			Temp.		Temp.	Duration of Flow	
Size	Size	ps:	ig h _w	- F.	ps1g 1081	o _F ,	psig 1080	· ·	Hr.	
Choke	0.750	8	3		88	70	820		3 hr.	
	 									
:										
				PT OW CAT	CUT A TTON	19		-		
Coeffici		FLOW CALCULATIONS ressure Flow Temp. Gr			Gravity Compress. Rate of Flow					
		hwpf	p _f psia		tor	Factor Fa Fg F			@ 15.025 psia	
12.3650	12.3650		100	0.99	05	0.9682	1.007		1194	
Liquid Hydro				cf/bbl.deg.	ALCU ATI	Speci Speci		ty Flow	rator Gas <u>0.6</u> ving Fluid 194, <i>6</i> 49	
Pt (psia)	Pt Pt	F _c Q	$(F_cQ)^2$	(F.		P _w 2	$P_c^2 - P_w^2$	Ca F	P _W P _C	
					- 15	92,224	502,425			
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osolute Potent	Petroles	m Corpo	ec. New M		n0.	85 8. H (s.	anchy	19		
MPANY Pubco	Petrole	m Corpo	ration	REM	ARKS					

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 (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
- 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.
- $h_{\mbox{\scriptsize W}}\mbox{\scriptsize I}$ Differential meter pressure, inches water.
- FgI Gravity correction factor.
- F_t Flowing temperature correction factor.
- F_{DV} 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_{+} .

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AZTaC 0	STAICT OFFICE								
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DISTRIBUTION									
SANTA FE									
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TRANSPORTER	GAS								
PROBATION OF ICE									
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