MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool _	Docto			Fo	Formation Balota					County				
Initial	InitialAnnual				Special					_Date of	Test	2/2	V61	
Company	Astoc	061 as	d Cos	Conpen	a	Lease			ines .	We	ll No	2-	<u> </u>	
Unit C Sec. 23 Twp Rge. 13 Purchaser														
Casing	W W	t. 9.5	0 I	.D	99 Se	t at	6393	Per	·f	6154	_То	6	oce	
Tubing 2 10 Wt. 4.76 I.D. 4.995 Set at 6110 Perf. Pin celler To														
Gas Pay	r: From_	6194	_To	6die	_L	6110	x G	0.650		gn	Bar.Pr	ess	12	
Produci	ng Thru:	Cas	ing		Tu	bing	1		_Type We	11	clo			
Date of	'Complet	ion:	2/17	/61	Packe	r			_Reservo	enhead-G. oir Temp.	G. or (3.0. I	Dual	
	OBSERVED DATA													
Tested Through (Choke) (Masses Type Taps														
	Flow Data							ubing	Data	Casing Data		 		
No.	Prover) (Line)	(Choke) (Orifice)		Press.		ļ	1	1			ł	I	Duration of Flow	
SI	Size	Si	ze ´	psig	h _w	°F.	┿			psig		 	Hr.	
1.		0.790						96	60	2036			7 days	
2 . 3 .														
<u>4.</u> 5.							-							
		<u> </u>				FLOW CAI	LCUL	ATIONS	<u> </u>	<u> </u>		-		
No.	Coeffici	ient			Pressure Flow			Temp. Grav.		ty Compres		Rate of Flow Q-MCFPD @ 15.025 psia		
	(24-Hour) $\sqrt{h_W}$			psia					Fg					
1. 2. 3.	12.55				16	1,000	09).96 08	1.068		739		
3. 4.														
5.														
					PR.	ESSURE (CALC	UT ATI O	NS					
Gas Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gas Specific Gravity Flowing Fluid Specific Gravity Flowing Fluid														
Fc(1-e^-s) PcP2_\.sot.569														
						<u> </u>								
No. Pw		$P_{\mathbf{t}}^2$	F	,Q	$(F_cQ)^2$	(1	F _c Q) l-e⁻	2	P_w^2	$P_c^2 - P_w^2$	Ca	al.	Pw Pc	
~	(psia)					()	L-€-		.26.64 <u>1</u>	2.945.8		W	Pc	
2. <u> </u>														
2. 3. 4.											-	-		
Absolute Potential: 9575 MCFPD; n 0.75 COMPANY Assec Cil and Sec Company														
ADDRESS		Annual	1 97	C. Pers	Car Seas Lacture	Mary No.	ori, es							
WITNESS		ORIC	SINAL S	IGNED BY	L. M. STE	VENS		<u>lo</u>	N. Stern	ms, Mat	. Ingla			
COMPANY						RE	MARK	S						



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 ($P_{\rm W}$). MCF/da. @ 15.025 psia and 60° 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
- 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.
- Fpv 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 $P_{\mathbf{t}}$.