MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

Po	pol	Most		Formati				AS WELLS		revised 12-1-	
PoolAnnual				Special			XDate of Test -24/4-28 1997				
Company Pan Anerican Petroles				mm Garra.	Gave. Lease Name P			Date of Test			
Unit G Sec. 7 Two			24	Description of the second of t			Well No				
Ca	sing 7	W+	29 ID		Rge. 7 Purchaser				El Paso Natural Gas Co.		
Tu	Casing 7 Wt. 27 I.D			·	Set atPerf			To			
Gas	Tubing 2 Wt. 6.5 I.D. Gas Pav: From To To			S	Set atPerf			То			
Pro	Producing Thrus Cosin-				L xG .650 -GL Bar.Press.			ress. 13.2			
Producing Thru: Casing Date of Completion:				T	TubingType Single-Br			Well Single adenhead-G. G. or G.O. Dual			
Dat	e or comb	retion:	6-16-4	Pack	er		Reserv	oir Temp.	G. or	G.O. Dual	
•					OBSERV	ED DATA					
Tes	ted Throu	gh <u>(Pro</u>	over) (Chol	ke) (Meter	Σ			Type Ta _l	ps		
	(Proven) /		Flow Data		Diff. Temp.		Tubing Data		Oạta		
No.	(111116)	וייונו) ו	776611	I I	9			Press.	Temp.		
SI	Size	S	ize ps	sig h _w	° _F .	psig	o _F .	psig	□ o _F .	of Flow Hr.	
1.	-	1.		5 18.49	70	907				72	
2. 3.			900 71 900 73		70	767				24	
<u>4.</u> <u>5.</u>			900 17		49	723				24	
No. (Please) FLOW CALCULATIONS Flow Temp. Gravity Compress. Rate of Flow Factor Factor Factor Factor											
No.	(24-Hour)		$\sqrt{h_{\mathbf{w}}p_{\mathbf{f}}}$	psia	-	Factor Ft		Factor Fpv		Rate of Flow Q-MCFPD @ 15.025 psia	
2.	13.99		123.73		.9905		F _g	1.043		1,700 psia	
3.	13.99		191.01		.9935		.9404	1,079		2,225	
1. 2. 3. 4. 5.	13.99		223,12		.9924	.368		1.007		2,770	
				PRE	SSURE CAI	CITIATTO	NC	1			
as Li	quid Hydr	ocarbon	Ratio		cf/bbl.	DOO. MITTO					
ravity of Liquid Hydrocarbons (1-e-5)					deg.			Specific Gravity Separator Gas Specific Gravity Flowing Fluid			
·			(1-e -/	0_120			Pc	20,2	Pc	44.0	
No.	$P_{\mathbf{w}}$	-2		2							
	Pt (psia)	$P_{\mathbf{t}}^2$	F _c Q	$(F_cQ)^2$	(F _c Q (1-e	() ²	P _w 2	$P_c^2 - P_w^2$	Cal	P _W P _C	
2.	834.2	695.9	10.46	109,41	13.3	3	709.0	137.8	Pw	Pc	
3.	744.2	-52	13.05	170,30 264,06	30.		660.7	14.1			
1. 2. 3.	694.2	L\$7.5	12.67	344,57		5	23.3	258.3		-	
bsolu COMPAN	ite Potent		6,100		MCFPD; n	.67	1				
DDRES	SS P 0	ineries	Petroleu	L Corporat	len						
GENT TITNES OMPAN	and TITLE SED	h.c	Me.	Phail		Backer					
					REMARK	(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 = 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.
- Pc= 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
- Pr Meter pressure, psia.
- hw Differential meter pressure, inches water.
- Fg Gravity correction factor.
- Ft Flowing temperature correction factor.
- Fny 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 $P_{\rm t}$.