## Revised 12-1-55

## MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Poo.	L — Pla	100	F	ormation	Mesa	Verde		County	San	Juan		
Initial y Annual			nnual					Date of	Test	Sept. 30, 19		
Comp	panySou	thorn Un	on Gas Co	•	Lease	Jamez		Wel	l No	1		
Unit	. w S	Sec.	Twp. 22	n Rg	e. Su	Purc	haser s	outhown IIn	sion Go	a Co		
Casi	ing 75/8" V	26.4	I.D. 1	96 <b>9</b>	0.1	31.80	rf. 1	(25	<b>т</b> о г	709		
	ing 2 3/81											
-										ess. 12.0		
roducing Thru: Casing Tubin						IngType WellSingle - GasSingle-Bradenhead-G. G. or G.O. Dual						
Date	e of Complet	ion:	<del></del>	Packe	r		Reservo	oir Temp.				
					OBSERV	ED DATA						
[e <b>st</b>	ed Through	(Prover	(Choke)	(Metery)				Туре Тар	s			
	(Prover)		w Data	Diff.	Temp.	Tubing Press.		Casing Da		D		
No.	(Line) Size	(Orific Size	EXX		o <sub>F</sub> .		,		Temp.	of Flo		
SI		DIZE	psig	h <sub>w</sub>	r •	psig	r.	psig	<sup>⊃</sup> F•	Hr.		
L. 2.		3/4ª	274		700	1099 274	700	1118 857		12 days		
3.												
<u>۱۰</u>									<del></del>	<u> </u>		
					TOW CAT	CIT A TTONS			L	<u> </u>		
lo.				essure	- 1		Gravity	Compress. Factor		Rate of Flow		
_	(24-Hou	r) \[	h <sub>w</sub> p <sub>f</sub>	psia	F	t	Fg	Fpv		@ 15.025 psi		
c	12.3650			286	<del>0.990</del> !	5	<del>0.9463</del>	1,029		<del>3,411</del>		
c					·		3314.7					
•												
						ALCUTATIO						
	iquid Hydro ty of Liqui		rbons		cf/bbl. deg.		Speci			rator Gas ving Fluid_		
			_(1-e <sup>-s</sup> )				Pc	1130	Pc	1276.9		
	D					<del></del>	Pw	869	P6	755,1		
0.	P <sub>w</sub>	Pt Pt	F <sub>c</sub> Q	$(F_cQ)^2$	(F <sub>0</sub>	cQ) <sup>2</sup> -e <sup>-s</sup> )	P <sub>w</sub> 2	$P_c^2 - P_w^2$	Ca	P <sub>w</sub> P <sub>c</sub>		
							755.1	521.8		0.768		
•												
:									<u>L</u>			
	lute Potent	ial:	625		MCFPD;	n 0.75	,					
OMP/ DDRI			The Park Care		as Ma-d -							
GEN!	ESS SOUR Cand TITLE ESSED	Gilber	rt Moland,	Jr.	H DEALC							
OMP/												
					REMA	ARKS			6	2		

## 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  $(P_W)$ . MCF/da. @ 15.025 psia and 60° F.
- P<sub>c</sub>= 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.
- hw- Differential meter pressure, inches water.
- $F_{g}$  Gravity correction factor.
- $F_t$  Flowing temperature correction factor.
- $F_{pv}$  Supercompressability factor.
- n I Slope of back pressure curve.

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

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