MULTI-POINT BACK PRESSURE TEST FOR 13 2 WELLS

Revised 12-1-55

	any Stano	lind Oi								-30-56 6-X	
Unit							_			line Company	
	ng <u>5-1/2#</u>								_	- •	
ľubi	ng 24	Wt4.7	#_I.D. <u>1</u>	.995 # Se	et at	Pe	rf		To		
Gas 1	Pay: From	26781	To 34.95	L_ 26	78!x	G0.685		834.1	Bar.Pre	ess. 13.2	
Produ	ucing Thru	: Cas	ing <u>x</u>	Tı	ıbing		Ty pe We	ell_Cas_O	l Dual		
Date	of Complet	tion:_9	-2-54	Packe	r	Sin	gle-Brade Reserve	enhead-G. oir Temp	G. or (3.0. Dual	
					OBSERV	ED DATA					
e s te	ed Through	(1000	or) foots	(Meter	<u> </u>			Туре Тар	s <u>Pi</u>	pe	
			ow Data			1	Data	Casing D			
lo .	(Line) Size	(Orifi	(0)	ss. Diff.	· ·	1	İ			Duration of Flow	
I	Size	512	ze ps:	g n _w	· ·	psig	F.	 	F.		
<u>-</u>	. / ₩ .	2.5	0 465	4 4.5	79			1061.2	 	68-1/4	
	/ _H	2.5		7 11.6	72			957-4		26-3/4	
•	_ 4 #	2.5		4 20.2	52			891.6		24	
•	4*	2.5	493	6 31-6	53			813.5		24	
0.	Coefficient (24-Hour)			Pressure	Fact	Temp.	Gravity Factor	Facto	r l	Rate of Flow Q-MCFPD @ 15.025 psi	
• • • • • • • • • • • • • • • • • • •	5/4/dela		46.11		0.982	2	0.9359	1.040		2400	
•	54.044 54.044		75.31		0.988 1.007		0.9359	1.043		3957	
	54. old		26.6		1.006		0 .9 359 0 .9 359	1.052		51,23 6838	
s Li avit	quid Hydro y of Liqui 1.812	d Hydro		· · · · · · · · · · · · · · · · · · ·	cf/bbldeg.		Speci Speci		y Flow	rator Gas ing Fluid	
0.	$P_{\mathbf{w}}$	P _t ²	F _c Q	$(F_cQ)^2$	(R	0)2	P _w 2	$P_c^2 - P_w^2$	Ca	1 p	
	Pt (psia)	1 t	¹ c •	(1, C. 6)	(1-	Q) ² e-s)	W ^E	, C_, M	P		
	970.6	1049-2	4.349	18.91	2.2		1051.5	102.8	1025.	4 .95 8 .91	
•]	904.8	818.7	7.170	51.41 96.55	6.1		948.2 830.2	206.1 324.1	973.		
•	826.7	683.4	12.39	153.5	18.2		701.7	452.6	837		
bsol OMPAI ODRE GENT		olind O		s Company		n0.70)				

GIS ENGINEER

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 T 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.
- hw Differential meter pressure, inches water.
- Fg Gravity correction factor.
- Ft Flowing temperature correction factor.
- F_{DV} 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_t .