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

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	tial											
Company Sinclair Oil & Gas Company Lease Jones Well No. 1 Unit D Sec. 35 Twp. 228 Rge. 36E Purchaser El Pase Matural Gas Company												
											ne Company	
Casing 9 Wt. 40 I.D. 8.150 Set at 3003 Perf. To												
Tubing 2-1/2 Wt. 6.5 I.D. 2.441 Set at 3368 Perf. To												
Gas Pay: From 3247 To 3317 L 3368 xG .655 -GL 2206 Bar. Press. 13.2												
Prod	lucing Thru:	: Cas	ing		Tu	bing X		Type We	11 3in	<u>lle</u>		
Date	ducing Thrus	ion:_ 5	-10-36		Packe	r_ None	Sir	ngLe-Brade Reserve	enhead-G. oir Temp.	G. or (G.O. Dual	
							ED DATA		•			
Test.	ed Through	(Provi	on) (Cho	100	(Motom)		222			. 91		
1030	Tested Through (Prover) (Choke) (Meter) Type Taps Tested Through											
$\overline{}$	(Frover)	(Cho	low Data	ess.	Diff.	Temp.	Tubing Press	Data Temp.	Casing I	Temp.	Duration	
No.	(Line) Size	(Orif	icé)		1.	o _F .	j	i	i	1	0 73	
SI		51:	ze p	sig	n _w		psig	°F.	psig	F.		
1.	4	1.2	50 3	35	7.3	73	763	60		 	72	
2.	4	1.2		39	13.7	72	713	60		 	21	
3.	4	1.2		38	23.0	71	695	60			24	
4. 5.	4	1.2	50 5	49	34.8	74	653	60			24	
No.	Coefficient (24-Hour) -		√ h _w p _f ps €3.20 548 €6.93 552		ressure Flo F psia 48.2 .957		t		Compre Facto F _{pv}	14	Rate of Flow Q-MCFPD @ 15.025 psia	
3.	9.643		112.67		551.2 .98		.95		1.054		1065	
4. 5.	9.643		139.87	56	2.2	.9896 .986#		.9571 .9571	1.05	14	1343	
PRESSURE CALCULATIONS Gas Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gas .655 Gravity of Liquid Hydrocarbons deg. Specific Gravity Flowing Fluid Fc												
No.	P _w	Pt ²	F_cQ		(F _c Q) ²	(±)	c ^{Q)²} -e ^{-s})	P _w 2	P _c ² -P _w ²	Ca P	w Pc	
1.	776.2 728.2	530.3	3.56		4.01	3.4		533.7	190.8	[[[•4	74.7	
3.	708.2	501.3	6.36		3.44	5.7		307.Z	217.3	730.		
4.	666,2	443.8	7.88		2.09	8.4		452.6	271.7	672.1		
5.						~ 			· • • • •	1		
COMPA	ESS ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	AL L. H. L.	3495 1 & Gas sadway - Rarmed Burby Eral Gas	godd - Ga	MALY		0101	rnf				
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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.
- PcI 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- PwI 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.
- 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 $P_{\mathbf{L}}$.