Revised 12-1-55

MULTI-POINT	BACK	PRESSURE	TEST	FOR	GAS	WELLS

Oil Company Twp Log I.D.	29N Re L. COO Se	Lease ge. 1 et at 65 et at 65 et at 7 OBSERV Y Temp. OF. FLOW CAL Flow Fac	Pur	chaser erf632 erf Type W ngle-Brad Reserv g Data Temp. OF.	Well Sing enhead-G. oir Temp. Type Tap Casing D Press. psig 2050 545	To	ess. 12.0	
I.D. I.D. To 6520 asing 11-18 (Chok Flow Data hoke) Pre ifice) Size ps	29N Ra L. COO Se L.	ge1 et at_65 et at_65 et at_65 et at_65 Temp. OBSERV	Pur	chaser_ erf632 erfGL_4Type W ngle-BradReserv GravitySactor	Ell Sing Denhead-G. Dir Temp. Type Tap Casing Dense. Press. psig 2050 545	To Bar.Pre G. or G s ata Temp. F.	Duration of Flow Rate of Flow	
I.D. To 6520 asing II-IS (Chok Flow Data hoke) Pre ifice) Size ps	L CON Set L CON	et at 65 et	Fig. 700 X Since /ED DATA Tubing Press psig 2020 A92	rerf	type Tap Casing D Press. psig Compress.	To	Duration of Flow Hr. Rate of Flow	
I.D. To 6520 asing II-IS (Chok Flow Data hoke) Pre ifice) Size ps	L CON Set L CON	et at 65 et	Fig. 700 X Since /ED DATA Tubing Press psig 2020 A92	rerf	type Tap Casing D Press. psig Compress.	To	Duration of Flow Hr. Rate of Flow	
To 6520 asing	L A Tu Tu Al Packet See Manner Pressure psia	et at_44 88 ubing OBSERV Y Temp. OF. FLOW CAL Flow Face	Silve	Type W ngle-Brad Reserv g Data Temp. OF.	ell_Single enhead-G. oir Temp Type Tap Casing D Press. psig	Bar.Pre Bar.Pre G. or G s ata Temp.	Duration of Flow Hr. Rate of Flow	
asing	Tuessure psia	OBSERV Temp. OF. FLOW CALL Flow Face	X Sin Nome YED DATA Tubing Press psig 2020 A92	Type Wingle-Brad Reserved Temp. Gravity	ell Sing enhead-G. oir Temp. Type Tap Casing D Press. psig 2050 545	Bar.Pre G. or G s ata Temp. F.	Duration of Flow Hr.	
ll-18 (Chok Flow Data hoke) Pre ifice) Size ps	Pressure psia	OBSERV Temp. OF. FLOW CALL Flow Face	Sinone VED DATA Tubing Press psig 2020 A92 CULATION Temp.	Type Wngle-Brad Reserv g Data Temp. OF. Gravity	ell Sing enhead—G. oir Temp. Type Tap Casing D Press. psig 2050 545	s_ata Temp.	Duration of Flow Hr.	
Flow Data hoke) Pre ifice) Size ps	Packer (May)	OBSERV Temp. OF. FLOW CAL Flow Face	Tubing Press psig 2020 A92	Reserv g Data Temp. OF. Gravity	Type Tap Casing D Press. psig 2050 545	s_ata Temp.	Duration of Flow Hr. 3 hours	
Flow Data hoke) Pre ifice) Size ps	ess. Diff. sig h _w Pressure psia	OBSERV Y Temp. OF. FLOW CAL Flow Face	Tubing Press psig 2020 A92	g Data Temp. OF. 60	Type Tap Casing D Press. psig 2056 545	s_ata Temp.	Duration of Flow Hr. 3 hours	
Flow Data hoke) Pre ifice) Size ps	Pressure	Temp. OF. 66 FLOW CAL Flow	Tubing Press psig 2020 A92 CULATION Temp.	g Data Temp. OF. 60 Sravity	Casing D Press. psig 2050 545	ata Temp.	Duration of Flow Hr. 3 hours	
Flow Data hoke) Pre ifice) Size ps	Pressure	Temp. OF. 69 FLOW CAL Flow	psig 2020 A92 CULATION Temp.	Temp. OF. 60 Gravity	Casing D Press. psig 2050 545	ata Temp.	Duration of Flow Hr. 3 hours	
hoke) Pre ifice) Size ps	Pressure psia	FLOW CAL	psig 2020 A92 CULATION Temp.	Temp. OF. 60 Gravity	Press. psig 2050 545 Compres	Temp.	of Flow Hr. 3 hours Rate of Flow	
ifice) Size ps	Pressure psia	FLOW CAL	psig 2020 A92 CULATION Temp.	o _F .	psig 2050 545 Compre	³ F.	of Flow Hr. 3 hours Rate of Flow	
$\sqrt{h_{w}p_{f}}$	Pressure	FLOW CAL	2020 A92 CULATION Temp.	S Gravity	2050 54.5 Compres	ss.	3 hours	
$\sqrt{h_{w}p_{\mathbf{f}}}$	Pressure	FLOW CAL	CULATION	NS Gravity	Compre		Rate of Flow	
$\sqrt{h_{w}p_{\mathbf{f}}}$	Pressure psia	Flow	Temp.	Gravity	1 -			
$\sqrt{h_{W}p_{\mathbf{f}}}$	Pressure psia	Flow	Temp.	Gravity	1 -			
$\sqrt{h_{w} p_{\mathbf{f}}}$	Pressure psia	Flow	Temp.	Gravity	1 -			
$\sqrt{h_{w} p_{\mathbf{f}}}$	Pressure psia	Flow	Temp.	Gravity	1 -			
√ h _w p _f	psia	rac	.001					
	psia		Factor Facto Ft Fg		r Factor F _{pv}		@ 15.025 psia	
1	504	1,0000		.9258	1.064		6139	
on Ratio_ drocarbons(1-e ⁻⁸		cf/bbl.		Speci Speci	fic Gravit	y Flow	rator Gas ing Fluid	
F _c Q	(F _c Q) ²	(F (1	cQ) ² -e-s)	P _w 2	$P_c^2 - P_w^2$	Ca]	l. Pw Pc	
				310.2	3941.6	<u>\</u>	.2701	
	 					 	 	
		MCFPD;	n 0.	75		<u> </u>		
R 510, PARM				TOM DESCRIPTION	PTP			
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	6498 Y OIL COMPA	6498 Y OIL COMPANY R 510, PARKINGTON, NO	64.98 MCFPD; X OIL COMPANY R 510, PARMINGTON, MEN MEXICO	(1-e-s) 64.98 MCFPD; n O. Y OIL COMPANY R 510. PARMINGTON, NEW MEXICO FRODUCT	(1-e-s) 310.2 64.98 MCFPD; n 0.75 X OIL COMPANY R 510. PARMINGTON, NEW MEXICO FRODUCTION ENGINE PRODUCTION ENGINE	(1-e-s) 310.2 3941.6 64.98 MCFPD; n 0.75 Y OIL COMPANY 2 510. PARCUNATON. NEW MEXICO	(1-e-s) 310.2 3941.6 64.98 MCFPD; n 0.75 X OIL COMPANY R 510. PARMINGTON, NEW MEXICO FRODUCTION 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 I 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} .