## MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

	ro.	C.III	U	LKK
Revis	ed	12	-1-	-55

(Prover) (C (Line) (Or Size	36 Twp.  17 I.D.  4.7 I.D.  5 To 6394  Casing  Exact (Choke  Flow Data Choke) Prescrifice)	Rg  4.892 Se  1.995 Se  L 63  Tu  1.960 Packe  Bs. Diff.  g h <sub>w</sub>	Lease	Purch State Purch	chasererf6350 erfGLkiType Wengle-BradeReserve	Well Paso Nat.  142.75  11 Sign Press.  Press.  psig  2978  832  761	To	6394 6361 ess. 12.0
sing 5 Wt.  sing 5 Wt.  sing 2 3/8 Wt.  s Pay: From 6356  coducing Thru: Conducing Thru: Conficient  (Prover) (Conficient  (24-hour)	36 Twp.  17 I.D.  1.7 I.D.  5 To 6394  Casing  Earth 17,  Choke  Flow Data Choke) Prescriptice) Size psi  2.750 33	Rg 4.892 Se 4.892 Se 1.995 Se L 63 Tu 1.960 Packe  BS. Diff. By hw 5	t at 6 t	Pure Pure Pure Pure Pure Pure Pure Pure	chaser	Type Tap  Casing D  Press.  psig  2078  882  761	To	6394 6361 ess. 12.0 Durat
coefficient  (24-hour)	17 I.D.  4.7 I.D.  5 To 6394  Casing  Earth 17,  Choke  Flow Data Choke)  Prescriptice)  Size psi  2.750  33: 25:	L 63 Tu 1960 Packe  BS. Diff. By hw	t at 6	Per	erf. 6356 erf. Type Wengle-Brade Reserve	Type Tap  Casing Deress.  psig  2978  882  761	To	6394 6361 ess. 12.0 6.0. Dual 56° 7
coefficient  (24-hour)	To 6394 Casing Casing Choke Flow Data Choke) Prescriptice) Size psi 2.750 33	L 63 Tu 1960 Packe  Bs. Diff. g h <sub>w</sub>	t at 64	Single Posts Press	Type Wengle-Brade Reservo	Type Tap  Casing D  Press.  psig  2078  832  761	Bar.Pre  G. or G  1.5  s  ata  Temp.	6361 ess. 12.0 c.0. Dual 56° 7
coefficient  (24-hour)	Casing  Casing  Choke  Flow Data Choke)  Prescriptice)  Size psi  2.750 33	Tu  1960 Packe  Bs. Diff.  g h <sub>w</sub>	bing observ	Single Si	Type Wengle-Brade Reserve	Type Tap  Casing D  Press.  psig  2078  882  761	Bar.Pre	Durat
coefficient  (24-hour)	Casing	Tu  1960 Packe  Bs. Diff.  g h <sub>w</sub>	r No OBSERV	Sing Sing Press psig 2078 335 255	Type Wengle-Brade Reserve	Type Tap  Casing Derivative Press.  psig  2978  882  761	s	Durat
coefficient  (24-hour)	Casing	Tu  1960 Packe  Bs. Diff.  g h <sub>w</sub>	r No OBSERV	Sing Sing Press psig 2078 335 255	Type Wengle-Brade Reserve	Type Tap  Casing Derivative Press.  psig  2978  882  761	s	Durat
te of Completion:  sted Through (R)  (Prover) (C) (Line) (Or) Size  Coefficient (24-hour)	Flow Data Choke) Prescrifice) Size psi	Packe  BS. Diff.  By  By  By  By  By  By  By  By  By  B	OBSERV	Tubing Press psig	g Data Temp.	Type Tap  Casing D  Press.  psig  2078  832  761	sataTemp.	Durat
(Prover) (C) (Line) (Or) Size (Coefficient (24-hour)	Flow Data Choke) Prescrifice) Size psi 0.750 33	e) Diff.	OBSERV Temp.	Tubing Press psig 2078 335 255	g Data Temp.  o <sub>F</sub> .	Type Tap  Casing Di Press.  psig  2078  882 761	sata Temp.	Durat of E
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(Prover) (C (Line) (Or Size	Flow Data Choke) Prescrifice) Size psi 0.750 33	Bs. Diff.	Temp.	Press. psig 2078 335 255	· Temp.	Casing Depress.  Press.  psig  2078  882  761	ata Temp.	Durat of E
(Prover) (C (Line) (Or Size	Choke) Prescrifice) Size psi	ss. Diff.	° <sub>F</sub> .	Press. psig 2078 335 255	· Temp.	Press.  psig  2078  882  761	Temp.	
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Coefficient (24-hour)	25'	5	90	255	90	76		<del> </del>
Coefficient (24-hour)	52				<u> </u>			1 2 2
Coefficient (24-hour)						702		3 hours
(54-17 and)				<u></u>	<u> </u>	<u> </u>		<u> </u>
12.3650			Fac	tor	Factor	Factor	r	Rate of Flo Q-MCFPD @ 15.025 p
12.3650								
	· · · · · · · · · · · · · · · · · · ·	<b>263</b>	0.97	23	0.9608	1.025	0	3,114
Liquid Hydrocarbo			cf/bbl.deg.		Speci Speci		ty Flow	rator Gas_ ving Fluid_
P <sub>w</sub>	Pt FcQ	$(F_cQ)^2$	(F	(cQ) <sup>2</sup> (-e <sup>-s</sup> )	P <sub>w</sub> 2	$P_c^2 - P_w^2$	Ca F	Pw Pc
					69.17	4298.83		0.126
							1	
solute Potential: MPANY DRESS ENT and TITLE TNESSED	3,415 PORCO PRIRO 108 West Chr B. H. Weych	seite, Arte	e, New 1	Aurico	<b>6.</b> 75 B.H.	Danch	MD.	
MPANY	<del></del>		REM	ARKS		OFF.F	-	

APR1 1960 OIL CON. COM. DIST. 3

## 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 (Pw). MCF/da. @ 15.025 psia and 600 F.
- $P_c$ = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- $P_{w}$  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.

FgI Gravity correction factor.

Ft Flowing temperature correction factor.

 $F_{nv}$  Supercompressability factor.

n I Slope of back pressure curve.

Coefficie.

(24-4/our)

TRESSURF

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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  $P_{+}$ .

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