18061 The Ro

## NEW MEXICO OIL CONSERVATION COMPASSION

## HOBBS OFFICE OCC

Form C-122
Revised 12-1-55

MULTI-POINT EACK PRESENT FOR GAS WELLS

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							Special_			Date of	Test 1	me # 1956
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												ipe Line Go.
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												ess. 13 9
Date	e of (	Comple:	tion: 1			Pooleo		Sir	ngle-Brade	enhead-G.	G. or	G.O. Dual
									neserv	oir Temp.		
			12				OBSERV	ED DATA				
Test	ed Tr	rough				(Meter)			Type Taps Pipe			
		oven)		rlow Da		. Diff.	Temp.	Tubing Press.	Data Temp.	Casing I		Duration
No.		line) Size		fice) ize	psig	h <sub>w</sub>	o <sub>F</sub> .	psig	°F.	psig	o <sub>F</sub> .	of Flow Hr.
SI										950.0		723
1. 2.		<del>!</del>		00 00		15.5	2			M2.1	<del> </del>	21
3.						27.2	#2			711.3		24
4. 5.				<u> </u>	14.6	29.7	13			672.9		231
<del></del> -	0.				<del></del>		FLOW CAL					
No.	Coefficient		Ì	t				Temp.	Factor	actor   Facto		Rate of Flow Q-MCFPD
<del>-</del> -		(24-Hour)		V hwpf		psia F		t F <sub>g</sub>		F <sub>p</sub> v		@ 15.025 psia
1. 2.	29.92 29.92		63.62		66.7		46	-9463	1.0	3	1,844	
3。	2	29.92		111.		74.1 .97		95 9463		1.044		2,433
4. 5.	2	29.92		119.4		83.2	.97	26	.9463	1.04	3	3,469
						PRI	ESSURE CA	ALCULATI	ONS			
Gas Li	iquid	Hydro	carbon	Ratio	)		cf/bbl.			fic Gravi	tv Sena	rator Gas
Gravit	ty of	Liqui	d Hydr	ocarbo			deg.		Speci	fic Gravi	ty Flow	ring Fluid
ˈc <b>3</b>	نهجد	<u> </u>	<del></del>	\^	e - <u>/</u>	0.140			Р <sub>с</sub>	53.2	_Pc	27.4
	$P_{\mathbf{W}}$			Τ_				.2		2 2	1	
No.	Pt (	osia)	$P_{t}^{2}$	Fc	Q	$(F_cQ)^2$	(F <sub>0</sub>	$\left(\frac{Q}{e^{-s}}\right)^2$	$P_{\mathbf{w}}^2$	$P_c^2 - P_w^2$	Ca P	$\frac{P_{\mathbf{W}}}{P_{\mathbf{C}}}$
1.	\$75.	3	766.2	7	21	51.94	7-	549	773.8	154.0	879.7	91
3. 1	724	4	524.C	12	32	-90.A)	13.3	3	677.3	210.5	623.0	- 85
4. 5.	646.	1	170.7	13.	57	III.I	26.7		197.6	4,10.2	705.4	41
	Lute	Potent	 ial:_	S.Los	<u>_</u>	· · · · · · · · · · · · · · · · · · ·	MCFPD.	n61			1	
COMPA	MX	<del></del>	THE	711		PANT						
ADDRE AGENT		TITLE	POT T.	1270	L MI	DIAND.	TRIAS	344.97		Rad		
WITNE	ESSED_			OLD I		DISTRI	ut uas_	MAN	x cd	Liak	-	
COMPA	NY	<u>.</u>	PER	MIAN	BASTI	PIPE	LINE CO REMA	MPANY RKS				

## 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.

 $\cdot$  The log log paper used for plotting the back pressure curve shall be of at least three inch cycles.

## NOMENCLATURE

- Q  $\equiv$  Actual rate of flow at end of flow period at W. H. working pressure (P<sub>W</sub>). MCF/da. @ 15.025 psia and 60° F.
- PcI 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.
- Ft . Flowing temperature correction factor.
- For 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  $P_t$ .