## NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

OIL CON. COM.

Poo	1 <b>B</b> e	200		Fc	rmation	Mi	ess. Verde	<u> </u>	_County_	Me Ar	rriba		
Ini	tial XX		Annu	al		Spec	ial	<del></del>	_Date of	Test_6/	4/58		
Com	pany PACI	PIC NO	1730 CHB 7	PIPE	118 1	Lease 🎫	a Jama 25	-5	Wel	1 No	<b>41-31</b>		
Uni	t <u> </u>	_Sec	<b>31</b> _Tw	р. 25	Rge	e <b>5¥</b>	Purc	haser_	et commec	ted			
Cas	ing_ <b>5}"</b>	Wt	I 🏰	.D	Set	t at _57	<b>Pe</b>	rf <b>51</b>	861	То	712'		
•	ing 1-1/4												
Gas Pay: From To L xG .650 -GL Bar.Press. 12													
	ducing Thr												
Date	e of Comple	etion:			Packer	r	Sin	gle-Brade Reservo	enhead-G.	G. or	G.O. Dual		
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Test	ted Through	n (PMA	Add (Malak	Choke)	(MAAAM)			•	Type Tan	ıs			
			Flow D				Tubing		Casing D				
	(Prover) (Line) Size	) (Ch	oke)	Press.	Diff.	Temp.	Press.	Temp.	Press.	Temp.	Duration		
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4. 5.										<u> </u>			
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	Coeffic	efficient		Pressure		Flow Temp.		Gravity	Compress.		Rate of Flow		
No.	(24-Ho	our)	h <sub>w</sub> pe		psia	Factor F+		Factor F <sub>a</sub>	Compress. Factor Fpv		Q-MCFPD @ 15.025 psia		
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4.													
5.1	- <del></del>		<u> </u>			<del></del> -	L						
					PRE	ESSURE C	ALCUTATIO	ONS					
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ravi	ity of Liqu	aid Hyd	rocarb	ons_		deg.		Speci	fic Gravi	tyFlo	wing Fluid		
с	<del></del>		(;	l-e <sup>-s</sup> )				Pc-	1124	_ <sup>P</sup> c	1263.4		
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No.	$P_{\mathbf{w}}$	P	2 t F	Q	$(F_cQ)^2$	(F	cQ) <sup>2</sup> -e <sup>-s</sup> )	P <sub>w</sub> 2	$P_c^2 - P_w^2$	C	P <sub>w</sub> P <sub>c</sub>		
<del>-</del>	Pt (psia)	<u> </u>				(1	-e <sup>-s</sup> )	OFFICE A	663 6		P <sub>w</sub> P <sub>c</sub>		
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	PANY	<del></del>								TIL	4		
						REM	ARKS			LULIY	[0]		
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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 I Actual rate of flow at end of flow period at W. H. working pressure ( $P_{\rm W}$ ). MCF/da. @ 15.025 psia and 600 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.
- $h_{\mbox{\scriptsize W}}^{-}$  Differential meter pressure, inches water.
- $F_R$ I Gravity correction factor.
- $F_t$  Flowing temperature correction factor.
- Fpv Supercompressability factor.
- n I Slope of back pressure curve.

Note: If  $P_{\rm W}$  cannot be taken because of manner of completion or condition of well, then  $P_{\rm W}$  must be calculated by adding the pressure drop due to friction within the flow string to  $P_{\rm t}$ .

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