## NEW MEXICO OIL CONSERVATION COMMISSION MCBES CUFICE CCC

Form C-122

				MULTI	-POINT E	BACK PRES	SSURE TE	ST FOR GAR	s wells 1	2 M 1	Rev23ed 12-1-55	
Poo	olJalm	1	<u> </u>	F	'ormation	Inter-	7 River	<u> </u>	County			
Initial Annual			Special 🗶				Date of	Test	1-28/2-1957			
Com	ipany	enerd	011 Co	g		Lease B.M. Justis Well No. 2					2	
Uni	t <u>H</u>	Sec. 2	<b>0</b> Tw	p. 25	Re	ge <b>37</b>	Pur	chaser	EPNG			
Casing 7º Wt. 24			<u>4</u> I	_I.DSet a			<b>2890</b> Perf			To		
Tubing 21" Wt. I.D.					Se	Set at <b>2900</b> Perf			To			
Gas	Pay: From	2890	_To_ <b>3</b>	030	L <b>290</b>	L <b>2900</b> xG <b>0,660</b> <u>-</u> GL			914 Bar. Press. 13.2			
	ducing Thru											
Dat	e of Comple	etion:	2-21	-37	Packe	r Home	Si	ngle-Brade Reserve	enhead-G. oir Temp.	G. or	G.O. Dual	
	-	_					ED DATA	<del></del>				
Tes	ted Through	(Pro		Chaka)	(Meter)				Tyne Tar	ns 1871.		
		_						- Do+ o	Type Taps Flands Casing Data			
	(Terrer)	(23	Flow D	Press	. Diff.	Temp.					Duration	
No.	(Line) Size	(Ori	fice) ize	psig	h <sub>w</sub>	o <sub>F</sub> .	psig	°F.	psig	o <sub>F</sub> .	of Flow Hr.	
SI 1. 2. 3. 4.							421				72	
<del>-</del>	-	1.00		253	22.1		365	<del></del>			24	
~	<del></del>	1-00		253	32.5		345	<del> </del>		<del> </del>	24	
7.		1.00		260	41.6	56	325	<del>- </del>		+	24	
#	_	1.00	<u> </u>	260	56.3	59	300	<del></del>	ļ	<del>                                     </del>	24	
No.	Coefficient Flance (24-Hour)		√ h <sub>w</sub> i	p <sub>f</sub>	Pressure Flow Fac psia 1		Temp. Gravity ctor Factor Fg		Compress. Factor Fpv 1.029		Rate of Flow Q-MCFPD 0 15.025 psia	
<del></del>	6_135 6_135		76,6		1,0068		•9535 •9535		1.030		565	
3.	6.135				1.0039			9535			GIL.	
1. 2. 3. 4. 5.	6.135		06.57 123.9			1,0010		•9535 1.029 •9535 1.029			767	
Jas l Gravi	Liquid Hydr ity of Liqu		rocarbo		<b>y</b>	essure c		Speci Speci			arator Gas <u>n.660</u> wing Fluid	
No.	Pt (psia)			çQ	(F <sub>c</sub> Q) <sup>2</sup>	( _	cQ) <sup>2</sup> -e <sup>-s</sup> )	P <sub>w</sub> 2	P <sub>c</sub> -P <sub>w</sub> <sup>2</sup>		al. Pw Pw Pc	
1. 2.	378.2 338.2	128.3	2. 3.		7.40	0.9		143.9	50.0	379.		
	338.2	114.4	3.	<del>  </del>	10.96	1.7		129.7 116.2	58.8	360-3		
	313.2	98,1	40		19.10	2.3		100.5	72.3 88.0	317.6		
5.	AN 195		79		-4*-7	~~~	<del>-                                    </del>	_~~•/		1200		
Abso COMI ADDI AGEN WITI	olute Poten PANY RESS NT and TITL NESSED PANY	E	legonard loguell logue	Oil ( . N.M. Hiz,	Bag Product:	MCFPD; 708 ion Supt	n					
	LWINT		A 161			REM	ARKS					

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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 Tactual 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
- 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  $P_{\mathbf{W}}$  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  $P_{\mathbf{t}}$ .