## NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Por	y/////. Wildca										Revised 12-1-	
	ol Wildes										May 18, 1965	
Сол	Jak	e L. He	mon			Lease	Stat	• "E" 891	Date of	Test	May 18, 1965	
Unj	t D	Sec.	20 Twn	20-8			Du	moho com	We we	TT 140.		
Cas	5 1/2"	Wt. 2	0.0 T.D	4.77	8 s	et et 11	Fu	Powf	welle			
Tub	ing 2 3/8	Wt. 4	.7 <sub>T.D.</sub>	1.99	 5 s	at at 11.	320	Pose				
Gas	Pav: From	11,44	0 <sub>TO</sub> 11,4	· 		1.320		feri.	7040	_To	ess. <u>13.2</u>	
Dat	ducing Thrue of Comple	etion:	May 18,	1965	Poole	ub.ng	S:	Type ingle-Bra	well <b>Sing</b> denhead-G.	G. or (	G.O. Dual	
540	o or compre				_Packe				voir Temp.			
Фoд	tod Mharanal	/6500	THE SEC	<b>.</b>			ED DATA	Ā				
	ted Through								Type Taps Flands			
$\neg$	(Prover)	(Cric	Plow Data	ess.	Diff.	Temp.	Tubir Press	ng Data	Casing I	Data Temp.	Duration	
ю.	(Line) Size	(Orif	rice)	1		o <sub>F</sub> .	ps <b>i</b> g	1		1	of Flow	
I	-4	2.00					5205	64	Pore	<del>                                     </del>	48	
•	4	2.00			3.0	65 69	5106 4998	74			1 1/2	
	4	2.00	, ,		2.0	54	4862	79	<del></del>	╅	1 1/2	
•	4	2.00	0 57	3 8	7.0	41	4623	80		<del> </del>	1 1/2	
0.	Coefficient (24-Hour) 25.58 25.58 25.58		Vhwpf 55.12 102.9 153.1 226.2		sure ia 2 2	FLOW CALCULATI Flow Temp. Factor Ft .9952 .9915 .0058		Gravity Factor Fg .9902 .9902 .9902	Factor F <sub>pv</sub> 1.036 1.037 1.054	or	Rate of Flow Q-MCFPD @ 15.025 psia 1.439 2.680	
s L	iquid Hydro ty of Liqui	ocarbon id Hydro	ocarbons	34,924 51.2 -s).41	API	ESSURE CA	ALCU AT	IONS Spec Spec	ific Gravi ific Gravi 5218.2	ty Sepa	fator Gas 612 ing Fluid 7745	
	P <sub>w</sub>	Pt (psia)		Q (F <sub>c</sub> Q)		(F <sub>0</sub>	Q) <sup>2</sup> (e-s)	P <sub>w</sub> 2	P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup>	Ca:	Pw Pc	
:-	5011.2	26,206			.43	85.25 293.67		6.291	939	5127.5	98.3	
	4875.2	23,768	40,837	37 1667.66				15,408 14,463	1822 2767	5040.6 4946.0		
	4636.2	36.2 21,494 51,474		3779			157 5.86 23		4160	4803 1	94.8	
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	r and TITLE ESSED ANY	Ellerd Oll Com	PERY	<u> </u>	cil.	H Bo	uten	Cecil H.	Barton, P	et. Eng	r	

## 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 = Actual rate of flow at end of flow period at W. H. working pressure  $(P_W)$ . 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.
- Fg Gravity correction factor.
- $F_t$  Flowing temperature correction factor.
- F<sub>DV</sub> 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  $P_{+}$ .