## NEW MEXICO OIL CONSERVATION COMMISSION

## **ILLEGIBLE**

HOBBS OFFICE OCC

	LLU	IUL	MU	LTI-	POINT BA	ACK PRES	SURE TEST	r for GAS	S WELLS	ે તુક્ક (	Revised 12-1-55
Pool	PoolFd				ormation Ones				_County_	ies_	
Init	nitial Annual				Spec	ial		_Date of	Test_	-7 to 7-1b-56	
Compa	any one of	1 Corps	ration		]	Lease	Colline	H. C.	Wel	1 No	
Unit Sec. Twp. 23 Rge. 368 Purchaser Fundan Facin F. Co.											
Casi	ng <b>S.S</b> W	t. <u>17</u>	I.D.		Set	t at_	Per	rf	173	То	1610
Tubing 9.176 Wt. I.D. 1.00 Set at 161 Perf. To											
Gas 1	Pay: From_	31/73	To	0	_L	<b>631</b> _x	G680		4.76	Bar.Pre	ess. 11.2
Prod	ucing Thru:	Casi	ng		Tul	oing	Sin	Type We	ell_	G. or	.O. Dual
Date	of Complet	ion:	-14-55		Packer	House	)	_Reserve	oir Temp.		
						OBSERV	ED DATA				
Test	ed Through	Promo		<u> </u>	(Meter)				Type Tap	sa	<b>A</b>
~			ow Data				Tubing		Casing I		D
No.	(Prover) (Line)	(Orifi	ce)	į		Temp.	Press.	1	Press.		of Flow
SI	Size	Siz	e p	sig	h <sub>w</sub>	°F.	psig	<del></del>	psig	<del></del>	Hr.
1.		1.00		13	14	-11-	25:1		223		2
3.		2.00	5 157	1.0	83.) 32.)	8 <u>8</u>	752.7		858.8		24
4. 5.		2.00			34.07	71	40000				
				<b></b>			CULATION			<del> </del>	D
Coefficie No.			<i></i>	Pressure		Flow Temp. Factor		Gravity Factor	Compress. Factor		Rate of Flow Q-MCFPD
<del>-</del>	(24-Hour)		h <sub>w</sub> p <sub>f</sub>				t	F <sub>g</sub>	F <sub>pv</sub>		@ 15.025 psia
1. 2.	29.92		88.50 LE		45	1,00	8	1777	1.0	55	<b>35 50</b>
3° 4° 5°	19.90 110. 29.90 126.		10.80 14.15	10 145.2 10 167.3		13623		:333	1.8	3	洲
2•_1_	····				DD.	eccine o	ALCU ATI	OMS		.00%	
, , ,			D-4-3-							.615 ity Sens	arator Cas
Gas Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gas Specific Gravity Flowing Fluid Pc (1-e^-s) Pc 1179.8											wing Fluid
'с			(1-e	2_			•	<sup>r</sup> c	200,007	rc	461706
	$P_{\mathbf{W}}$		Τ_,		(= 0)2		2 2	D 0	P <sub>c</sub> -P <sub>w</sub> <sup>2</sup>		. D
No.	Pt (psia)	$P_{\mathbf{t}}^{2}$	F <sub>c</sub> Q		(F <sub>c</sub> Q) <sup>2</sup>	(1	(cQ) <sup>2</sup> (-e <sup>-s</sup> )	P <sub>w</sub> 2		]	$\frac{P_{W}}{P_{C}}$
1. 2.	731.3							2006.8 876.7 768.4	178-b		- 3
3. 4.	872.0							4,007	\$1.6.7 \$1.6.7	-	75
5.											
Abso	lute Potent ANY	ial or	t Carper	OO white	<del></del>	MCFPD;	n 0.63	) 			
ADDR			1. L. 8		a MAITA						
WITN	ESSED										
COMP	WIN T		<del></del>			REN	ARKS				<del></del>

## 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  $(P_w)$ . MCF/da. @ 15.025 psia and 60° 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
- $P_{f}$  Meter pressure, psia.
- hw- Differential meter pressure, inches water.
- $F_g$  Gravity correction factor.
- Ft Flowing temperature correction factor.
- $F_{nv}$  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  $P_+$ .