## NEW MEXICO OIL CONSERVATION COMMISSION

HAM CFFICE OCC

Orig &2 ce:NMCC

cc: SJF,WJR, PCR, CCS, File

HOBBS OFFICE OCC

ELVIS A. U., GAS ENGINEER

Form C-122

Revised 12-1-55

	1839 <sub>/</sub>	(U3 :	MUL	TI-POINT E	BACK PRES	SSURE TES 1953 OCT	ST FOR GAS	WELLS 3:05		Revised 12-1-55
	Eumon	<u> </u>			ì	Queen		County		18
Init	ial	<del></del>	Annual		Spec	ial	<u> </u>	_Date of	Test	7-27-56
Comp	pany 81n	elair (	011 & B	As Co.	Lease_	.P. By	rd	Wel	.1 No	7
Unit	. <u>C</u> s	Sec. 11	Twp	208 Rg	ge. <u>     361</u>	Pur	chaser <u>El</u>	. Paso Na	ture	1 Gas Co.
Casi	ng 5½ W	t. 15	#_I.D	Se	et at3	650 Pe	erf. 3234	•	To_35	82
Tubi	ng 2 W	t. 4.7	I.D	Se	t at <u>3</u>	<b>560</b> Pe	erf. Ope	n	То	
Gas	Pay: From_	3234	To 358	2 L 35	60x	G .675		2403	Bar.Pr	ess. 13.2
Prod	ucing Thru:	Casi	ng	Tu	lbing		Type We	11 Sine	le	
Date	of Complet	ion:	1-13-54	Packe	rNon	Sir 1 <b>e</b>	ngle-Brade Reservo	enhead-G. oir Temp	G. or 117	G.O. Dual
					OBSERV	ED DATA	٠			
<b>Test</b>	ed Through	(Prove	r) (Chok	e) (Meter)				Type Tap	s Pla	inge
			ow Data			Tubine	z Data	Casing D		
T	(Prover)	(Chok	e) Pre	ss. Diff.	Temp.	Press	Temp.	Press.	Temp.	Duration
No.	(Line) Size	(Orifi	ce)   e   ps:	ig h <sub>w</sub>	o <sub>F</sub> .	psig	o <sub>F</sub> ,	psig	o <sub>F</sub> .	Duration of Flow Hr.
SI						834	82	835	82	72 24
L. 2.	4	1.500		3 19.4	60 64	794 773	82 82	835 815 804	82	24
3.	W	H	564	4 47.6	64	747	82	792	82	24
•	W	H	60	5 59.3	68	717	82	778	82	24
No. L. 2.	,	# 1·		psia 591.2 574.2		tor t 0	Gravity Factor Fg 9427 9427	Compre Facto F <sub>pv</sub>	r Q- @ 1	Rate of Flow Q-MCFPD @ 15.025 psia 1505 1892 2318
	Ħ	1	65.81 91.11	618.2	992		.9427	1.06		2667
s L	iquid Hydro ty of Liqui <b>Pw Meas</b> u	d Hydro		ry Gas	ESSURE C cf/bbl. deg.		Speci Speci		ty Flor	arator Gas <u>.675</u> wing Fluid
lo.	P <sub>w</sub> Pt (psia)	Pt <sup>2</sup>	F <sub>c</sub> Q	(F <sub>c</sub> Q) <sup>2</sup>	(F (1	cQ) <sup>2</sup> -e-s)	P <sub>w</sub> 2	P <sub>c</sub> -P <sub>w</sub> <sup>2</sup>	Ca	al. Pw Pw Pc
	828.2 817.2		<u> </u>		_		685.9	33.5 51.6		97.6
1	805.2						667.8 648.3	71.1		96.3
	791.2			<del></del>			626.0	93.4	+	93.3
bso COMP DDR1	ESS <u>52</u>	nelair	Broadwa		Hobb	s. New	.56 <b>Max</b> 360			
				UBS	ADELYS.	t - <del>///</del>	f person	4		
				ral Gas	Co.					
AGEN'	T and TITLE ESSEDANY	R.L. Ed Ma El Ba	Harned be so Natu	Gas oral Gas	Analysi Co.	ARKS	f Herra	<u> </u>	о сног	KE SIZE IN W

## 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<sub>c</sub> 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- PwT 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  $P_{+}$ .