## NEW MEXICO OIL CONSERVATION COMMISSION

						···- · · · · · · · · · · · · · · · · ·		Я	Form C- evised 12-1
		MUI	LTI-POINT E	BACK PRES	SURE TES'	T FOR GA	5 WELLS	16	evised 12-1
ool Jala	<b>A</b> \$		Formation	Yate		£4.6 .41	_County_	Les	
nitial <u>I</u>		_Annual		Spec	ial		Date of	Test_1	-7-56
ompany <b>The</b>	Texas C	anyeny_		Lease	J. D. Y.		Wel	1 No	I
nit 💁	_Sec	Twp_2	Rg Rg	e. 37-8	Purcl	haser <b>Pe</b>	rnien Be	sin Pij	e Line Co
asing <b>7</b> *									
ubing 2 3/1									
					-				
as Pay: Fro									,
oducing Thi	u: Cas	ing I	Tu	lbing	Sin	Type We gle-Brade	ell <b>G.</b> enhead-G.	G. or G.	0. Dual
te of Compl	etion:	5-26-55	Packe	r_ <b>3443</b>		Reserve	oir Temp		
				OBSERV	ED DATA				
sted Throug	h (1990)	<u>eiri) (Mci</u>	🕒 (Meter)				Туре Тар	s	
	F	low Data			Tubing	Data	Casing D		
(Prover	) ( <del>Cho</del> i	Pre	ess. Diff.	Temp.		Temp.			Duratic of Flo
Size	Si	ze ps	sig h <sub>w</sub>	° <sub>F</sub> .	psig	°F.	psig	<sup>&gt;</sup> F.	Hr.
							199.1		72 3/4
	2.1			7				<u> </u>	2
	2.2		5 20.2	68			750.4	++	<u>94 1/4</u> 21 1/4
								11	
066			the state of the s	FLOW CAL		5 Gravity			
Coefficient		Pressure		Fact	Factor		Compress. Factor		Rate of Flow Q-MCFPD
(24-F	our) -	<u>V <sup>h</sup>w<sup>p</sup>f</u>	psia	F	t	Fg	Fpv	@	15.025 ps
40.53		71.0	\$17.7 \$20.3						111
40.53		102.7	621.7 512.2				1.0		6.909
			PR	ESSURE CA	ALCULATIC	ONS			
Liquid Hyd							fic Gravi		
vity of Lig				deg.		Speci P. O	fic Gravi	ty Flowi	ng Fluid
				<del>****</del>		0			
Pw	Pt.	<b>P</b> 0	(F <sub>c</sub> Q) <sup>2</sup>	/ 17	$(Q)^2$		$P_c^2 - P_w^2$	Cal	P
Pt (psia		₽ <sub>с</sub> Q	(rcw)		$\left  \frac{e^{-s}}{e^{-s}} \right $	P <sub>w</sub> 2	<sup>r</sup> c <sup></sup> rw		
813.A	745.5	1.501	2.253				70.2		96
763.6	583.1	2.949	8.697	1.0		543.2	232.8	761.9	
		3.978					31109		•/*
708.9			9	MCFPD;	n	L			
			AS GOMPAN					<u> </u>	
MPANY		THE TEL BOI 127	O. MIDLAN				and the second s		
MPANY DRESS ENT and TIT	'LE		O, MIDLAN AFER, DIJ		TAR NAT	Z	L'As	ka	
psolute Pote DMPANY DDRESS ENT and TIT TINESSED DMPANY	'LE	PERMIAN	ATTAL DIS	PR LTH	AS NAL	2 N	L'B.	ala_	INE THE

Litta

## 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  $\Box$  Actual rate of flow at end of flow period at W. H. working pressure (P<sub>w</sub>). 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
- P<sub>w</sub>. 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<sub>f</sub> Meter pressure, psia.

 $h_w$  Differential meter pressure, inches water.

 $F_g$ : Gravity correction factor.

1 C C C C C C C C C C C C C C C C C C C		· . · . *		*	*	, <b>*</b>	4. <b>*</b>
Ft I Flowing	g temperatur	e correction d	factor.	¥	*	*	· *
1 <b>C</b> 1	· •		1. A	<b>A</b>	🔸 👘 No. 19	4	+
Fpv Super	compressabil	ity factor.		¥	*	¥	

n [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  $P_t$ .

1.7.1.42

. . . .



Q = Mc F/DayQ = 9,380