## NEW MEXICO OIL CONSERVATION COMMISSION

											Form C-12	
D		4 15 <b>l</b> a						EST FOR GAS			Revised 12-1-5	
	1 Bas											
Ini	tial		Annu	al		Spec	ial		_Date of	Test_Se	ptember 17, 196	
Com	pany <b>Pan Ame</b>	ricen	Pe trol	eum Cor	P.	Lease Ga	llegos	Canyon Uni	t Wel	1 No	106	
	t <u>A</u>											
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Tub.	ing 2-3/3	_W C •		.•U• <u>.♣•</u> 3	SeSe	t at		eri.	-1-	ro		
											288. 12	
Pro	ducing Thru	ı: Ca	sing_		Tu	bing	X 94	Type We	ell	Single	Gas	
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						OBSERV	ED DATA					
Test	ted Through	(CRene)	ruserer) (	Choke)	(Maria II)				Туре Тар			
	(Christer)	(Ch	Flow Doke)	Press.	Diff.	Temp.		g Data Temp.	Casing Da Press.		Duration	
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SI	7 days	+	<del></del>	<del></del>	**W		21,11	1	227	F •	111.	
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5.	<del></del>	<del></del>			<u> </u>							
	Coeffic	ient.	<del> </del>	Pr	essure	FLOW CAL		NS Gravity	Compres	T	Rate of Flow	
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+	(24-Ho	ur)	√ h <sub>w</sub> l	P <sub>f</sub>	psia 387	F.	· .	Fg	F <sub>pv</sub>		0 15.025 psia	
l. 2.	12.355				301	1,000		,9258	1,041		<b>———</b>	
3.												
5.												
					PRI	ESSURE C	alcui <b>a</b> t	IONS				
as T	iquid Hydr	oca rhoi	n Reti	^		cf/bbl.		Speci	fic Gravit	T Cana	matem Cas	
	ty of Liqu		rocarbo	ons		deg.		Speci	fic Gravit	y Sepa	ing Fluid	
:			(	l-e <sup>-s</sup> )				P <sub>c</sub>	139	Pc 4,	75,321	
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10.	$P_{\mathbf{W}}$	P	2 <b>F</b>	Q	$(F_cQ)^2$	(F	cQ) <sup>2</sup> -e-s)	P <b>_</b> 2	$P_c^2 - P_w^2$	Ca	P.,	
	Pt (psia)					(1	-e <sup>-s</sup> )				1. Pw Pc	
· ?•								127,369	3,817,952			
3.												
	lute Poten	tial:_	5496			MCFPD;	n(	0.75				
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	Pay: From	5912	То	5941	L	59 <b>16</b> x	G .700(e	et)-GL	141	Bar.Pre	ess <b>12</b>
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t	ducing Thru: e of Complet	ion:_	9-1	2-61	Packe	r Kond	]	Reservo	oir Temp.		144
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٥.	Coefficient			Pressu				•	, -		Rate of Flow
	(24-Hour)		$\sqrt{h_{\mathbf{W}}p_{\mathbf{f}}}$				tor Factor				Q-MCFPD
1	<u> </u>	r)	√ nwi	- 1	osia	F.		Fg	Fpv		@ 15.025 psia
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I			rocarbo		PRI	cf/bbl.		Speci	fic Gravi	ty Flow	rator Gas_ ring Fluid_ 575,321
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	Pw Pt (psia)  Plute Potent	d Hydrial:	2 Fo	q q	(F <sub>c</sub> Q) <sup>2</sup>	cf/bbl.deg.  (F) (1)  MCFPD;	cQ) <sup>2</sup> -e-s)	Speci Speci P <sub>c</sub> P <sub>w</sub> 2	fic Gravi	ty Flow PC Last	ring Fluid

## 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<sub>W</sub>). MCF/da. @ 15.025 psia and 600 F.
- $P_c$ = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater.
- PwI 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.
- $F_{g}$ : Gravity correction factor.
- $F_t$  Flowing temperature correction factor.
- $F_{\mathrm{DV}}$  Supercompressability factor.
- n I Slope of back pressure curve.

Note: If  $P_{\rm W}$  cannot be taken because of manner of completion or condition of well, then  $P_{\rm W}$  must be calculated by adding the pressure drop due to friction within the flow string to  $P_{\rm t}$ .