## NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

## MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS Revised 12-1-55

Pool	-	Remont Formation Queen					County Les				
Init	ial	X	Annual		Spec	ial		Date of	Test_ 9-6	/13-57	
Comp	any	Oalf Oil	Corporati	lon	_Lease_L	conerd J		We	ll No. 1		
Unit		Sec	24 Twp.	215 F	Rge <b>36E</b>	Purc	haser	1 Paso Na	turel Ges	Ge.	
		1		4.887 S							
				<b>1.995</b> S							
				) L_		-				s. 13.2	
				Τ					_		
Date	of Comp	oletion:_	8-6-56	Pa <b>ck</b>	er <b>3720</b>	Sin	gle-Brade Reservo	enhead-G. oir Temp.	G. or G.	O. Dual	
						ED DATA		* <b>-</b>			
Test	ed Throu	igh (P		(Meter				Type Tar	s_ Flan	a de	
~	Flow Data					Tubing Data					
No.	(Line		Pro	ess. Diff	· Temp.	Press.	Temp.	Press.	Temp.		
_	Size	S	ize p	sig h <sub>w</sub>	°F.	psig	°F.	psig	∍ <sub>F</sub> .	of Flow Hr.	
SI l.	<u> </u>	1.5	53 53	6.25	100			782 760			
1. 2. 3.	<u>k</u>	1.	5 5	7 19.lih 31.36	93 87			735 708		24 24	
4. 5.	<u>k</u>	1.		3 56,85				662		21,	
				<del></del>	FLOW CAL	CIII.A TION	3	<u> </u>	<del></del>		
No.	Coefficient		Pressure		Flow	Temp.	Gravity	ity Compress. Rate of tor Factor Q-MCFP		te of Flow	
	(24-Hour)		$\sqrt{h_{w}p_{f}}$	psia	psia   Ft		Fg	Fpv	@	@ 15.025 psia	
1.   2.   3.   4.	9.643 9.643		59.00 557.2 162.25 Sho.2		.9636 .9697		.9258 .9258	1.050		532 933	
3。 4•	9.6k3		127.82	521.2 556.2	.9750 .9768		.9258	1.053		1172	
5.								2007			
				PI	RESSURE CA	ALCU ATI	ONS				
ravit	y of Lie	drocarbor quid Hydi	n Ratio rocarbons		cf/bbl.deg.					tor Gas g_Fluid	
c	1.7 1	<u> </u>	(1-e				Pc—	795.2	P <sub>C</sub>	8 LIGIO	
	$P_{\mathbf{w}}$		<del></del>				<del></del>			<del></del>	
No.	_	Pt	F <sub>c</sub> Q	$(F_cQ)^2$	(F <sub>c</sub>	Q) <sup>2</sup>	P <sub>w</sub> 2	$P_c^2 - P_w^2$	Cal.	Pw Pc	
	Pt (psia	577-8		.83	(1-	13	597.9	34.3	773	.97	
2. 3.	748.2	559.8	2.01	2.56		96	560.2 520.7	72.0	748	.94	
<del>*•</del> 5•	675.2	455.9	2.79	7.78		23	457.3	174.9	676	.85	
Absol COMPA	ute Pote		3900 Al Cerper		MCFPD;	n_ 0.68					
ADDRE		Per 21	67. Hobbs	, N. M.							
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## 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  $\equiv$  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.
- $P_c$ = 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.
- Fpv 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  $P_{+}$ .