## NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

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

Pool Bagin Dabota				Formation	Deket	<u> </u>	County Rio Aprile					
Ini	tial 📱	An	nual	<del></del>	Spe	cial		_Date of	Test	<u>-13</u>	41	
Com	pany Pan	eriaen lu	imlan	Carp.	Lease	Hearill	- Contract	M7 Wel	No	3		
	ts											
Cas	ing/2_W	t. <b>9.5</b>	_I.D	Se_Se	t at_¶	P	erf. 70		To	993		
	ing 9.3/8 W											
Gas Pay: From work To the L to xG xG xG GG GG Bar. Press. 12												
Producing Thru: Casing Tubing Type Well Single-Bradenhead-G. G. or G.O. Dual												
Date of Completion:												
					OBSERV	VED DATA						
Test	ted Through	(Presser)	(Choke	e) (Maham)			Type Taps					
Flow Data				Tub			ing Data   Casing Data			<del></del>		
No.	(Line)	(Choke)	Pres	s. Diff.	Temp.	Press	· Temp.	Press.	Temp.		Duration of Flow	
	Size	(Sising Size	psi	g h <sub>w</sub>	°F.	psig	°F.	psig	°F.		Hr.	
SI	SI & days	9/19	-			2340	60 (ast)	2340	40 (-	£)	3 be.	
1. 2.												
3. 4.		<u> </u>				<del> </del>						
5.												
				~~~	FLOW CA	CULATIO	NS					
No.	Coefficient			Pressure Flow		Temp. Gravity ctor Factor Fg		Compress.		Rate of Flow		
	$(24-Hour)$ $\sqrt{h_w}$		h <sub>w</sub> p <sub>f</sub>	psia	Ft		Fg	Fpv	_	@ 15.025 psia		
1. 2. 3.	12,365				1.000		0.9156	1.61		· · · · · · · · · · · · · · · · · · ·		
$\frac{2.}{3.}$												
4. 5.												
PRESSURE CALCULATIONS  Gas Liquid Hydrocarbon Ratiocf/bbl. Specific Gravity Separator Gas  Gravity of Liquid Hydrocarbonsdeg. Specific Gravity Flowing Fluid  Fc(1-e^{-8})P_c												
	$P_{\mathbf{W}}$	P <sub>t</sub> <sup>2</sup>	P O	$(F_cQ)^2$		E (1)2	P <sub>w</sub> 2	P <sub>c</sub> -P <sub>w</sub> <sup>2</sup>	Ca	1.	p	
No.	Pt (psia)	't	F <sub>c</sub> Q	(FcQ)	(	F <sub>c</sub> ℚ) <sup>2</sup> 1-e <sup>-s</sup> )			F	W	Pw Pc	
1. 2.				<u> </u>	_		730,46 <del>0</del>	5,411,499		_		
<u>3. ]</u>												
4. 5.									<u> </u>			
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COMPANY												
REMARKS										APR 20 1961 OIL CORE MIL		
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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 = Actual rate of flow at end of flow period at W. H. working pressure (Pw). MCF/da. @ 15.025 psia and 600 F.
- $P_c$ = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater.
- 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.
- $F_{g}$  Gravity correction factor.
- $F_t$  Flowing temperature correction factor.
- F<sub>pv</sub> 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  $P_{\rm t}$ .