## NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

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

Pool	Bacis Behota			F	Formation Debote				County See June			
			Annual Special				:					
Company PAN AMERICAN PETROLEM CORP. Lease Galleges Conyon Unit-Dek. Well No. 175												
									t-6016		72-4092	
									195			
											ess. 12	
Producing Thru: Casing Tubing Type Well Single-Bradenhead-G. G. or G.O. Dual  Date of Completion: 9-23-64 Packer Reservoir Temp.												
							ED DATA	<del>_</del>	<b>.</b>	•		
Tested	i Through	1 <b>(Am</b>	(	Choke)	(Material Co.)				Tyne Tai	ns 🛢	lane.	
<b>-</b>			Flow Da			-	Tubing	z Data	Type Taps Places Casing Data			
No.	(Line)	(Ch	oke)	Press.	Diff.	Temp.	Press	Temp.			Duration	
107	Size	1 -		psig	h <sub>w</sub>	°F.	psig	°F.	psig	°F.	of Flow Hr.	
	Days Lash	+-,	150	644			2071		2072	200		
2.		1						io set.	1117	-	3 %	
3.		<del> </del>										
4. 5.	<del></del>											
<del></del>					<u> </u>		L	<u></u>	<u> </u>			
			<b>,</b> — — —			FLOW CAL						
No.	Coeffic	ient		Pr	essure	Flow	Temp.	Gravity	Compre	ss.	Rate of Flow	
NO	(21-Ho	(מוו	√ h <sub>w</sub> p	_	psia	Fac	tor	Factor Fg	Facto			
<del>,   ,</del>		<u> </u>	V "wp				Ft		Fpv		● 15.025 psia	
1. 1 2.	11.3650			656 1.000			.9258	1.00		#155		
3.	<del></del>											
3. 4. 5.									<del></del>	+		
5.												
PRESSURE CALCULATIONS  as Liquid Hydrocarbon Ratiocf/bbl. Specific Gravity Separator Gas ravity of Liquid Hydrocarbonsdeg. Specific Gravity Flowing Fluid c(1-e^{-S})												
	w t (psia)	Pt	Fc	3	$(F_cQ)^2$	(F <sub>0</sub>	Q) <sup>2</sup> -e <sup>-s</sup> )	P <sub>w</sub> 2	P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup>	Ca.	P <sub>W</sub>	
1. 2. 3.		<del>                                     </del>	<del>-                                    </del>					274,641	3,668,413			
3.						<del></del>						
4. 5.												
	<del></del>	<b></b>										
Absolute Potential: 10,562 MCFPD; n .75  COMPANY NAME AND PROBLEM CONTOLOGY ADDRESS See 455, Fermington, New Mexico												
AGENT and TITLE V. L. Mabors, District Incincer												
VITNESSED ST. OPICIAL CO.												
- Fool							7,0	21 11	LU			
						REMA	ARKS		- Section and the section of the sec	CO.	1964 1. com.	

## 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  $(P_W)$ . MCF/da. @ 15.025 psia and 60° F.
- Pc= 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
- $P_t$  Flowing wellhead pressure (tubing if flowing through tubing, casing if flowing through casing.) psia
- Pr Meter pressure, psia.
- hw Differential meter pressure, inches water.
- Fg Gravity correction factor.
- $F_t$  Flowing temperature correction factor.
- F<sub>nv</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  $P_{+}$ .