Form C-122

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

Poo]	1 Basin Behote Formation Behote								County Sen Juan			
Init	nitialAnnual				Spec:	ial		_Date of T	[est	12-2-63		
Company PAN AMERICAN PETROLEGI CORP. Lease Gallages Conyon 142 Galt Well No. 1											1	
Unit. Sec. 25 Two. 298 Rge. 128 Purchaser												
Casing 4.5 Wt. 19.5 I.D. Set at 6181 Perf. 6036/44 To 6066/73											154/56 168/73	
Tubing 2-3/8 Wt. 4.7 I.D. Set at 5990 Perf. Open To Ended												
Gas Pay: From 9968 To 6073 L 6020 xG .70 estGL 4214 Bar.Press.												
Producing Thru: Casing Tubing Type Well Single  Date of Completion: Packer Packer Reservoir Temp.												
OBSERVED DATA  Tested Through (Choke) (Meter)  Type Taps												
	(Frover)			ress.		Temp.	Press.	Data Temp.	Casing De	Temp.	Duration	
No.		(Orif	ice)		!	o <sub>F</sub> .	nsi <i>e</i>	o <sub>P</sub>	psig	o <sub>F</sub>	of Flow Hr.	
SI	5 days	31	26	hark	11W		2045		7050			
1.		0.7	730	484			394	100 00	£. 1035	990 65	3 10.	
2.												
3.		<u> </u>						<del> </del>				
4.								<del> </del>				
<u> </u>												
FLOW CALCULATIONS  Coefficient Pressure Flow Temp. Gravity Compress. Rate of Flow												
N.	Coeffici	Coefficient			essure	LTOM.	Temp.	Factor	actor Factor Q-MCFPD			
No.	(24-Hour) 7/h		7/h.1	ne nsia		Fac	+	F.			@ 15.025 psia	
1.	12,3630	12.3630		WFI P		1,00		.9258	F <sub>pv</sub>		6641	
2.												
3.												
4.												
5.										L		
PRESSURE CALCULATIONS												
Gas Liquid Hydrocarbon Ratiocf/bbl. Specific Gravity Separator Gas Gravity of Liquid Hydrocarbonsdeg. Specific Gravity Flowing Fluid												
F <sub>C</sub> (1-e <sup>-8</sup> )P <sub>C</sub> P <sub>C</sub>												
<u> </u>												
М	Pw	<del></del>	<del></del>									
No.		$P_{t}^{2}$	F	<sub>c</sub> Q	$(F_cQ)^2$	(F	$(cQ)^2$ $-e^{-s}$	$P_{\mathbf{w}}^2$	$P_c^2 - P_w^2$		$\frac{P_{\mathbf{W}}}{P_{\mathbf{C}}}$	
	Pt (psia)	<u> </u>				(1	-e <sup>-s</sup> )	, 102, 300	3,149,344	1	W Pc	
Ţ.							<b>*</b>	,,	49 242 922	<del></del>		
1. 2. 3. 4. 5.		<del> </del>						················				
4.												
5.				1			L		<u> </u>			
Absolute Potential: MCFPD: n												
ADDRESS 7. 5. See 400, Paradiagram, New Mexico												
ADDRESS AGENT and TITLE												
WITNESSED / KLULI												
	PANY	V,	T, É	1011							1963	
	REMARKS  DEC 3 1905  COM. 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 T 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. psia
- Pw 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.
- $h_{\mbox{W}}$  Differential meter pressure, inches water.
- FgI Gravity correction factor.
- $F_t$  Flowing temperature correction factor.
- $F_{\rm DV}$  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  $P_+$ .