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

Initial X Annual Special Date of Te Company Pan American Petroleum Cerp. Lease 8. H. Pinkin Well Unit H Sec. 35 Twp. 288 Rge. 11W Purchaser Southern Unit Casing 4-1/2 Wt. 9.5 I.D. 4.090 Set at 6380 Perf. 6256-64 Term order	No. 7	
Unit H Sec. 35 Twp. 281 Rge. 11W Purchaser Southern Unit Casing 4-1/2 Wt. 9.5 I.D. 4.090 Set at 6380 Perf. 6256-64 Te	on Gas Cor	
Casing 4-1/2 Wt. 9.5 I.D. 4.090 Set at 6380 Perf. 6256-64 Te		RDSRY
Communication of the contract	k 60AL_I	
Communication of the contract		
Tubing 2-3/8 Wt. 4.7 I.D. 1.995 Set at 6223 Perf. Open ended		
Gas Pay: From 6252 To 6295 L 6223 xG(.700) est -GL 456 Ba		12
Producing Thru: Casing Tubing Tubing Type Well Single-Bradenhead-G. G. Date of Completion: 1561	or G.O.	Dual
Date of Completion: 1-5-61 Packer Reservoir Temp.	137° F	
OBSERVED DATA		
Tested Through (Choke) (Make) Type Taps_		
Flow Data Tubing Data Casing Dat		
No. (Line) (Choke) Press. Diff. Temp. Press. Temp. Press. T		Duration of Flow
Size Size psig h _w OF. psig OF. psig	°F∙	Hr.
SI Shot in 7 days 2045 2045 1. 2" 3/4" 671 60 (est) 864 60 (est) 1367		
1. 2" 3/4" 671 60 (est) 864 60 (est) 1367		3 hrs.
1. 2" 3/4" 671 60 (est) 864 60 (est) 1367 2. 3.		
4.		
5.		
FLOW CALCULATIONS		
Coefficient Pressure Flow Temp. Gravity Compress No. Factor Factor Factor		of Flow
(24-Hour) 7 hube psia F+ F- F-	@ 15	.025 psia
(24-Hour) √ h _w p _f psia F _t F _g F _{pv} 1. 12.365 663 1.000 0.9258 1.086		eres.
2.		
3.		
<i>l</i> ₁ , •		
DD D COURS - DA COUR AMTONG		
PRESSURE CALCULATIONS		
as Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity		
ravity of Liquid Hydrocarbons deg. Specific Gravity	Flowing 2 4.231.	Fluid
C	C	447
		
No. $P_{\mathbf{w}}$ $P_{\mathbf{t}}^2$ $P_{\mathbf{c}}^2$ $P_{\mathbf{c}}^2$ $P_{\mathbf{c}}^2$ $P_{\mathbf{c}}^2$ $P_{\mathbf{c}}^2$ $P_{\mathbf{c}}^2$ $P_{\mathbf{c}}^2$	Cal.	$P_{\mathbf{w}}$
	P_w	P _w P _c
1. 1,901,641 2,329,638 2.		
3.		
4.		
5.		
Absolute Potential: 13,280 MCFPD; n 0,75 COMPANY Pan American Petroleum Corporation		
ADDRESS Dox 430, Famington, New Nextoo		
AGENT and TITLE R. M. Hauer, Jr.; Senior Petrolem Engineer Klul Santa		
WITNESSED COMPANY		

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.
- P_cI 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.
- F_{DV} Supercompressability factor.
- n I Slope of back pressure curve.

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