

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

Pool South Blanco-Pictured Cliffs Formation Pictured Cliffs County Rio Arriba
 Initial X Annual _____ Special _____ Date of Test 11-27-58
 Company Pan American Petroleum Corp. Lease Jicarilla Contract 155 Well No. 9
 Unit 0 Sec. 30 Twp. 26N Rge. 5W Purchaser Pacific Northwest Pipeline Corp.
 Casing 4 1/2 Wt. 9.5 I.D. 4.090 Set at 3120 Perf. 3028 To 3066
 Tubing 2-3/8 Wt. 4.7 I.D. 1.995 Set at 3031 Perf. 3025 To 3031
 Gas Pay: From 3028 To 3066 L 3047 xG 0.69 (est) GL 2102 Bar.Press. 12
 Producing Thru: Casing _____ Tubing X Type Well Gas - Single
 Date of Completion: 11-20-54 Packer None Single-Bradenhead-G. G. or G.O. Dual
 Reservoir Temp. 105° F

OBSERVED DATA

Tested Through (None) (Choke) (None) Type Taps _____

No.	Flow Data				Tubing Data		Casing Data		Duration of Flow Hr.
	(Line) Size	(Choke) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	Press. psig	
SI	Shut in 7 days								
1.	2"	1/4"	430		60 (est.)	428	60 (est.)	732	60 (est.)
2.									
3.									
4.									
5.									

FLOW CALCULATIONS

No.	Coefficient (24-Hour)	$\sqrt{h_w p_f}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCFPD @ 15.025 psia
1.	12.368		430	1.000	0.9335	1.052	932
2.							
3.							
4.							
5.							

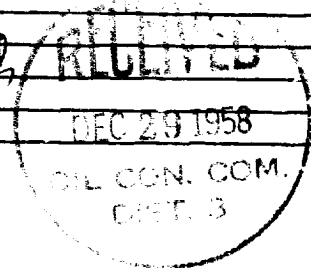
PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl. Specific Gravity Separator Gas _____
 Gravity of Liquid Hydrocarbons _____ deg. Specific Gravity Flowing Fluid _____
 F_c _____ (1-e^{-s}) P_c 976 P_c² 952,576

No.	P _w P _t (psia)	P _t ²	F _c Q	(F _c Q) ²	(F _c Q) ² (1-e ^{-s})	P _w ²	P _c ² -P _w ²	Cal. P _w	P _w /P _c
1.						552,536	399,040		
2.									
3.									
4.									
5.									

Absolute Potential: 10,992 MCFPD: n 0.45
 COMPANY PAN AMERICAN PETROLEUM CORPORATION
 ADDRESS Box 487, Farmington, New Mexico
 AGENT and TITLE H. Hunt, Jr., Field Engineer *R.M. Bauer, Jr.*
 WITNESSED _____
 COMPANY _____

REMARKS



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_c = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater.
psia
- P_w = 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
- P_f = Meter pressure, psia.
- h_w = Differential meter pressure, inches water.
- F_g = Gravity correction factor.
- F_t = Flowing temperature correction factor.
- F_{pv} = Supercompressibility factor.
- n = 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_t .

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