

3- N.M.O.C.C.
 1- L.G. Truby
 1- W.R. Johnston
 1- EFWU (Galloway)

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Blanco Formation Mesaverde County Rio Arriba
 Initial XXX Annual _____ Special _____ Date of Test 4-9-57
 Company Pacific Northwest Pipeline Lease 29-7 Well No. 62-14
 Unit A Sec. 14 Twp. 29N Rge. 7W Purchaser unconnected
 Casing 5 7/8 Wt. _____ I.D. _____ Set at 5560 Perf. 4890 To 5456
 Tubing 2 Wt. _____ I.D. _____ Set at 5421 Perf. _____ To _____
 Gas Pay: From _____ To _____ L xG .690 -GL _____ Bar.Press. 12
 Producing Thru: Casing _____ Tubing X Type Well single
 Date of Completion: _____ Packer NO Reservoir Temp. _____
 Single-Bradenhead-G. G. or G.O. Dual

OBSERVED DATA

Tested Through (PROVER) (Choke) 15000 S I 7 days Type Taps _____

No.	Flow Data				Tubing Data		Casing Data		Duration of Flow Hr.
	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	Press. psig	
SI						<u>1092</u>		<u>1008</u>	
1.		<u>1/4</u>	<u>157</u>		<u>76°</u>	<u>157</u>	<u>76°</u>	<u>485</u>	<u>3</u>
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.	<u>14,160</u>		<u>169</u>	<u>.9850</u>	<u>.9888</u>	<u>1.015</u>	<u>2299</u>
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl.
 Gravity of Liquid Hydrocarbons _____ deg.
 F_c _____ (1-e^{-s})
 Specific Gravity Separator Gas _____
 Specific Gravity Flowing Fluid _____
 P_c 1210 P_c 1464.1

No.	P _w P _t (psia)	P _t ²	F _Q	(F _Q) ²	(F _Q) ² / (1-e ^{-s})	P _w ²	P _c ² - P _w ²	Cal. P _w	P _w / P _c
1.						<u>207.0</u>	<u>1217.1</u>		<u>1.20</u>
2.									
3.									
4.									
5.									

Absolute Potential: 2,035 n .75/ 1.1465
 COMPANY Pacific Northwest Pipeline Corporation
 ADDRESS 402 West Broadway, Santa Fe, New Mexico
 AGENT and TITLE C.R. Galloway
 WITNESSED _____
 COMPANY Pacific Northwest Gas 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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