

Form 12
April, 1976

STATE OF WYOMING
OIL AND GAS CONSERVATION COMMISSION
OFFICE OF THE STATE OIL AND GAS SUPERVISOR
P. O. BOX 2640
CASPER, WYOMING 82602

ONE-POINT BACK-PRESSURE TEST REPORT										
Type Test: <input type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special							Test Date		Lease No. or Serial No.	
Company							Connection		Allottee	
Field			Reservoir			Location		Unit		
Completion Date		Total Depth		Plug Back TD		Elevation		Farm or Lease Name		
Csg. Size	Wt.	d	Set At	Perforations: From		To	Well No.			
Tbg. Size	Wt.	d	Set At	Perforations: From		To	Sec.	Twp - Blk	Rge - Sur	
Type Completion (Describe)							Packer Set At		County	
Producing Thru		Reservoir Temp. F		Mean Annual Temp. F.		Baro. Press. - P _a		State		
L	H	G _g	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run	Taps		
FLOW DATA					TUBING DATA			CASING DATA		Duration of Flow, Hr.
NO.	Prover Line Size	Choke X Orifice Size	Press. psig	Diff. h _w	Temp. F	Press. psig	Temp. F	Press. psig	Temp. F	
1.										

NO.	Coefficient (24-Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor, F _t	Gravity Factor, F _g	Super Compress. Factor F _{pv}	Rate of Flow Q, Mcfd
1.							

NO.	P _r	Temp. R	T _r	Z
1.				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl
 API Gravity of Liquid Hydrocarbons _____ deg.
 Specific Gravity Separator Gas _____
 Specific Gravity Flowing Fluid _____
 Critical Pressure _____ psia
 Critical Temperature _____ R

NO.	P _c	P _c ²	P _c ² - P _w ²	P _w	P _w ²	P _c ² - P _w ²	P _s	P _s ²	P _f ² - P _s ²
1.									

$$\left[\frac{P_c^2}{P_c^2 - P_w^2} \right] = \left[\frac{P_c^2}{P_c^2 - P_w^2} \right] = \text{_____}$$

$$\log \left[\frac{P_c^2}{P_c^2 - P_w^2} \right] = \text{_____}$$

$$\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \text{_____}$$

$$n \log \left[\frac{P_c^2}{P_c^2 - P_w^2} \right] = \text{_____}$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n$$

If subsurface pressure data are used, substitute P_f for P_c and P_s for P_w in above formulas.

AOF _____ Mcfd
 n _____
 (Source of n) _____

Commission _____
 Company _____
 Others _____