

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☒ Special		Test Date 5/19/81	
Company Amoco Production Company		Connection Amoco Gas Company	
Pool Basin		Formation Dakota	
Completion Date 4/27/81		Total Depth 5922	Plug Back TD 5874
Elevation 5321 GL		Farm or Lease Name White Gas Com	
Csq. Size 4.500	Wt. 10.5	d 4.052	Set At 5922
Perforations: From 5696 To 5834		Well No. 1E	
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 5825
Perforations: From open To ended		Unit G	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple single		Packer Set At none	County San Juan
Producing Thru tubing	Reservoir Temp. °F P	Mean Annual Temp. °F	Baro. Press. - P _a
State New Mexico			
L	H	G _g	% CO ₂
		% N ₂	% H ₂ S
Prover		Meter Run	Taps

FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI	8 days						970		2085		
1.											
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1							
2							
3							
4							
5							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons	Deg.
2.					Specific Gravity Separator Gas	XXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

NO.	P _t ²	P _w ²	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1						
2						
3						
4						
5						

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

Absolute Open Flow _____ Mcfd @ 15.025 Angle of Slope θ _____ Slope, n _____

Remarks: no potential w/o pipeline

Approved By Division _____ Conducted By: JJ BARNETT Calculated By: _____ Checked By: JJB