

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☒ Special				Test Date 12-21-82			
Company Ameco Production Company			Connection Not Dedicated				
Pool Mt. Nebo			Formation Fruitland Ext.			Unit	
Completion Date 12-15-82		Total Depth 2759		Plug Back TD 2759		Elevation 5949 GL	
Form or Lease Name Keys Gas Co. "G"						Well No.	
Csg. Size 7.000	Wt. 23	d 6.366	Set At 2714	Perforations: From open To hole		Well No.	
Thg. Size 2.875	Wt. 6.50	d 2.441	Set At 2655	Perforations: From down hole To top		Unit Sec. Twp. Rg. K 27 32 10	
Type Well - Single - Brodenhead - G.G. or G.O. Multiple Single				Packer Set At 2948		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F #		Mean Annual Temp. °F		Baro. Press. - P _a New Mexico	
L	H	G _g	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run

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	
1	7 days						330		343		3 hrs
1.	2.375		.750				3		330		
2.											
3.											
4.											
5.											

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure % P _m	Flow Temp. Factor F _L	Gravity Factor F _g	Super Compress. Factor, F _{sp}	Rate of Flow Q, Mcfd
1	12.565		15	1.000	.9608	1.000	178
2.							
3.							
4.							
5.							

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

NO.	P _i	P _w	P _c	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	355	342	126025	9061	13.9085	9.3711
2.						
3.						
4.						
5.						

NO.	P _i	P _w	P _c	P _c ² - P _w ²	ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1					1668
2.					
3.					
4.					
5.					

Absolute Open Flow _____ Mcf @ 15.025		Angle of Slope θ _____		Slope, n _____ .85	
Remarks:					

Approved By: Division	Conducted By:	Calculated By:	Checked By:
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