

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 05 06 80			
Company AMOCO PRODUCTION CO.				Connection ELPASO NATURAL GAS CO.					
Pool BASIN				Formation DAKOTA				Unit	
Completion Date 04 17 80		Total Depth 6137		Plug Back TD 6095		Elevation 5441 GL		Farm or Lease Name GALLEGOS CANYON UNIT	
Coq. Size 4.500	Wt. 11.6	d 4.000	Set At 6141	Perforations: From 5916 To 6066		Well No. 211E			
Tiq. Size 2.375	Wt. 4.7	d 1.995	Set At 6065	Perforations: From open To ended		Unit Sec. Twp. Rge. C 32 29 12			
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	
L	H	G _q	% 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	10 days						695		972		3 hrs
1.	2.375		.750				58		=285		
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
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	12.365		70	1.000	.9258	1.008	808
2.							
3.							
4.							
5.							

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

NO.	P _c	P _w	P _c ²	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_w^2 - P_c^2} =$	(2) $\left[\frac{P_c^2}{P_w^2 - P_c^2} \right]^n =$
1	984	297	968256	88209	880047	1.1002	1.0743
2.							
3.							
4.							
5.							

Absolute Open Flow 868 Mcfd @ 15.025				Angle of Slope 75	
Remarks					
Approved by Division		Conducted By: JJB		Calculated By: J J BARNETT	
				Checked By: B E FACKRELL	