

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 02 14 80	
Company AMOCO PRODUCTION COMPANY				Connection EL PASO NATURAL GAS COMPANY		
Pool BLOOMFIELD CHACRA				Formation CHACRA		Unit
Completion Date 01 30 80		Total Depth 2988		Plug Back TD 2823		Elevation 5480 GL
Csg. Size 4.500		Wt. 10.50		d 4.052		Set At 2987
Perforations: From 2809		To 2821		Well No. 1		
Tbg. Size 2.375		Wt. 4.7		d 1.995		Set At 2823
Perforations: From open		To ended		Unit Sec. Twp. Rge. G 23 29 11		
Type Well - Single - Brodenhead - G.G. or G.O. Multiple SINGLE				Packer Set At NONE		County SAN JUAN COUNTY
Producing Thru TUBING		Reservoir Temp. °F 8		Mean Annual Temp. °F		State NEW MEXICO
L	H	Gg	% 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						1037		1037		3 hrs
1.	2.375	.750					392		680		
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 _{sp}	Rate of Flow Q, Mcfd
1	12.365		404	1.000	.9608	1.039	4987
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 _____
3.					Specific Gravity Flowing Fluid _____
4.					Critical Pressure _____
5.					Critical Temperature _____

P _c 1049	P _c ² 1100401				
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	
1		692	478864	621537	
2					
3					
4					
5					

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{\underline{1.7705}}$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{\underline{7654}}$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right] = \underline{\underline{1.5348}}$

Absolute Open Flow 7654	Mcf @ 15.025	Angle of Slope @ _____	Slope, n .75
--------------------------------	--------------	------------------------	---------------------

Remarks: _____

Approved By Division	Conducted By: JJB	Calculated By: J J BARNETT	Checked By: B E FACKRELL
----------------------	-----------------------------	--------------------------------------	------------------------------------