

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☒ Special		Test Date 6-20-85	
Company Amoco Production Co.		Connection El Paso Natural Gas Co.	
Pool Otero		Formation Chacara	
Completion Date 6-12-85		Total Depth 4450	Plug Back TD 4405
		Elevation 55346R	Form or Lease Name Baca Gas Com "A"
Ceq. Size 7.000	Wt. 23	d 6.366	Set At 4450
		Perforations: From 2962 To 2886	
Thq. Size 2.063	Wt. 3.25	d 1.751	Set At 2301
		Perforations: From perf. To sub.	
Type Well - Single - Dradenhead - G.C. or G.O. Multiple Single		Packer Set At 3053	County San Juan
Producing Thru tubing		Reservoir Temp. °F #	Mean Annual Temp. °F
		Baro. Press. - P _g	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	7 days						868		881		
1.	2.375	.750					162		478		3 hrs.
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	12.365		174	1.000	.9258	1.016	2024
2.							
3.							
4.							
5.							

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

P_c	892	P_c^2	795664			
NO	P_i^2	P_w	P_w^2	$P_c^2 - P_w^2$	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1.4322}{}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{1.3092}{}$
1		490	240100	555564		
2						
3						
4						
5						

$$AOI = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{2650}{}$$

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Absolute Open Flow		Mcfd @ 15.025	Angle of Slope	Slope, n .75
Remarks: Flared, Lite H2O, Lite Oil				
Approved By Division	Conducted By Bryan Services	Calculated By J.J. Barnett	Checked By	