

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☒ Special		Test Date 6-12-85	
Company Amoco Production Co.		Connection EL Paso Natural Gas Co.	
Pool Otero		Formation Chacra	
Completion Date 5-30-85		Total Depth 4475	Plug Back TD 4431
		Elevation 5525 GR	Form or Lease Name Romero GC "A"
Coq. Size 7.000	WI. 23	d 6.366	Set At 4475
Trq. Size 2.063	WI. 3.25	d 1.751	Set At 2967
Perforations: From 2830 To 2842		Perforations: From Prod To Tube	
Unit I		Sec. 27	Wp. 29
Type Well - Single - Brdenhead - G.C. or G.O. Multiple Dual		Packer Set At 2987	County San Juan
Producing Thru asing		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
O.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
1	7 days						0		88	
2	2.375		1.750				0		140	
										3 hrs.

RATE OF FLOW CALCULATIONS						
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 C, Mcfd
12.365		152	1.000	.9258	1.014	176.4

P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mc/bbl.
				A.P.I. Gravity of Liquid Hydrocarbons	Deg.
				Specific Gravity Separator Gas	
				Specific Gravity Flowing Fluid	X X X X X
				Critical Pressure	P.S.I.A.
				Critical Temperature	R

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OIL CON. DIV.

DIST. 3 X X X X X X X X X

901	P _c ²	311801
P _t ²	P _w	P _w ²
152		23104
		788697

(1) $\frac{P_c^2}{P_t^2 - P_w^2} = 1.0293$

AOI = Q $\left[\frac{P_c^2}{P_t^2 - P_w^2} \right]^n = 1803$

(2) $\left[\frac{P_c^2}{P_t^2 - P_w^2} \right]^n = 1.0219$

Rate Open Flow	1803	Mcf @ 15.025	Angle of Slope @	Slope, n .75
Well Flared, Lite H2O Annular flow				

Conducted By	Calculated By	Checked By
J.J. Barnett	J.J. Barnett	