

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 20811
SANTA FE, NEW MEXICO 87501Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☒ Special		Test Date 6-19-85	
Company Amoco Production Co.		Connection EL Paso Natural Gas Co.	
Pool Blanco		Formation Mesa Verde	
Completion Date 5-30-85		Total Depth 4475	
Plug Back TD 4431		Elevation 5525 GR	
Form or Lease Name Romero G C "A"		Well No. 1A	
Coq. Size 7.000	wt. 23	Set At 6.366	4475
Perforations From 3736 To 4366			
Perforations From open To ended			
Perforations From 4372 To 4372			
Type Well - Single - Brdenhead - G.C. or G.O. Multiple Dual		Packer Set At 2987	
Producing Thru tubing		Reservoir Temp. °F #	
Mean Annual Temp. °F		Baro. Press. - P _o	
County San Juan		State New Mexico	
L	H	G _g	% CO ₂
			% N ₂
			% H ₂ S
			Prover
			Meter Run
			Taps

FLOW DATA

TUBING DATA

CASING DATA

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	Duration of Flow
SI	7 Days						980		0		
1.	2.375		.750				385		0		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 O. Mcfd
1	12.365		397	1.000	.9258	1.044	4745
2.							
3.							
4.							
5.							

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No.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1										
2										
3										
4										
5										

No.	P _t	P _w	P _w ²	P _t ² - P _w ²	(1) $\frac{P_t^2}{P_t^2 - P_w^2} =$	(2) $\left[\frac{P_t^2}{P_t^2 - P_w^2} \right]^n =$
1	992	728	529984	454080	2.1672	1.7862
2						
3						
4						
5						

$$AOF = O \left[\frac{P_t^2}{P_t^2 - P_w^2} \right]^n = 8475$$

Estimated Open Flow	8475	Mcf @ 15.025	Angle of Slope @	Slope, n	.75
Remarks: Flared, Lite Oil, Lite H2O. Swabed well to start flow test.					

Approved by Division	Conducted By J.J. Barnett	Calculated By J.J. Barnett	Checked By 88
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