

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS

Type Test ☒ Initial ☐ Annual ☒ Special		Test Date 3-7-86		RECEIVED APR 01 1986 OIL CON. DIV. DIST. 3					
Company Amoco Production Co.		Connection El Paso							
Pool Blanco		Formation Mesa Verde							
Completion Date 1-30-86		Total Depth 8585		Plug Back TD 6460		Elevation 7188 GL		Farm or Lease Name Valencia Canyon Unit	
Csg. Size 7.000	Wt. 26	d 6.276	Set At 8585	Perforations: From 5926 To 6428		Well No. 45M			
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 6434	Perforations: From open To ended		Unit C	Sec. 34	Twp. 28	Rye. 4
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		County Rio Arriba			
Producing Thru tubing		Reservoir Temp. °F θ		Mean Annual Temp. °F		Baro. Press. - P _a		State NM	
L	H	Cg	% 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.	
SI	36 Days									
1.	2.375		.750				1008		1008	
2.							206		668	
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		218	1.000	.9258	1.026	2560
2.							
3.							
4.							
5.							

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

P _c 1020 P _c ² 1040400			
NO.	P _i ²	P _w	P _c ² - P _w ²
1		680	462400
2			
3			
4			
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.8000$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.5540$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3978$

Absolute Open Flow	3978	Mcf/d @ 15.025	Angle of Slope θ	Slope, n	75
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Remarks: Flared, Med H₂O

Approved By Division	Conducted By: J.J. Barnett	Calculated By: J.J. Barnett	Checked By:
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