

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special										Test Date 6/6/78	
Company Amoco Production Company						Connection					
Pool Choza Mesa						Formation Pictured Cliffs					
Completion Date 5/25/78			Total Depth 4423			Plug Back TD 4379			Elevation 7273		
Farm or Lease Name Valencia Canyon Unit						Well No. 24					
Csg. Size 7.500		Wt. 10.5		d 4.052		Set At 4400		Perforations: From 4047 To 4282			
Tbg. Size 2.375		Wt. 4.7		d 1.995		Set At 4296		Perforations: From Open To Ended			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple						Packer Set At None			County Rio Arriba		
Producing Thru Tubing			Reservoir Temp. °F @			Mean Annual Temp. °F			Baro. Press. - P _a New Mexico		
L		H		Gg		% CO ₂		% N ₂		% H ₂ S	
				.65						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	12 days						983		1087		
1.	2.375	0.750					275	60	625		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 Fg	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		287	1.00	0.9608	1.028	3505
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 _____ X X X X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 1099	P _c ² 12007801	
NO.	P _t ²	P _w ²
1		636
2		
3		
4		
5		

$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.5035$		$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.4143$	
$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4957$			

Absolute Open Flow	4957	Mcfd @ 15.025	Angle of Slope @	Slope, n	.85
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Remarks:			
Approved By Commission:	Conducted By: T. M. Oliver	Calculated By: WRB/TMO	Checked By: J. L. Krupka