

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 11/29/77	
Company AMOCO PRODUCTION COMPANY				Connection	
Pool CHOSA MESA				Formation PICTURED CLIFFS	
Completion Date 11/29/77		Total Depth 4380		Plug Back TD 4343	
Elevation 7327		Farm or Lease Name VALENCIA CANYON UNIT			
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 4375	Perforations: From 4102 To 4312	
Thg. Size 2.375	Wt. 4.7	d 1.995	Set At 4283	Perforations: From Open To Ended	
Type Well - Single - Eiradenhead - G.G. or G.O. Multiple Single				Packer Set At None	
Producing Thru Tubing		Reservoir Temp. °F @		Baro. Press. - P _a	
L		H		County Rio Arriba	
G _g		% CO ₂		State New Mexico	
G _g		% N ₂		Prover	
G _g		% H ₂ S		Meter Run	
G _g		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	
SI	11 days						1031	1033	
1.	2.375	0.750					413	632	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	157 psia back pressure on separator						1941
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/kbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ 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

NO.	P _c	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1	1045	644	414736	677289	1.6123	1.5009
2						
3						
4						
5						

Absolute Open Flow		2913		Mcf @ 15.025		Angle of Slope @		Slope, n .85		
Remarks:										
Approved By Commission:			Conducted By: T. M. Oliver			Calculated By: T. M. Oliver/ J. Farrens			Checked By: J. L. Krupka	