

**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 6/23/78				
Company Amoco Production Company				Connection El Paso Natural Gas Company					
Pool Choza Mesa				Formation Pictured Cliffs				Unit	
Completion Date 6/19/78		Total Depth 4300		Plug Back TD 4257		Elevation 7505		Farm or Lease Name Valencia Canyon Unit	
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 4299	Perforations: From 3952 To 4168			Well No. 20		
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 4170	Perforations: From Open To Ended			Unit Sec. Twp. Rge. B 36 28 4		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None			County Rio Arriba		
Producing Thru Casing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	Gg .65	% 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	7 days						0		1067	
1.	2.375	0.750					0		320	24 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, Fpv	Rate of Flow Q, Mcfd
1	332 PSIA Back Pressure w/2" Stand Pipe And .750" Orifice						98
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bol.
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

P _c 1088	P _c ² 1183744	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1027$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0866$
NO. 1	P _w 532	P _w ² 110224	P _c ² - P _w ² 1073520
2			
3			
4			
5			

Absolute Open Flow 106 Mcfd @ 15.025		Angle of Slope @	Slope, n .85
Remarks:			
Approved By Commission:	Conducted By:	Calculated By: T. M. Oliver	Checked By: <i>[Signature]</i>