

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: ☒ Initial ☐ Annual ☒ Special						Test Date: 12-24-80	
Company: Amoco Production Company				Connection: El Paso Natural Gas Company			
Pool: Basin				Formation: Dakota		Unit:	
Completion Date: 10-31-80		Total Depth: 8096		Plug Back TD: 8052		Elevation: 6905	
Csg. Size: 7.000		Wt.: 26		d: 6276		Set At: 8096	
Perforations: From 7840		To: 8032		Well No.: 8M		Farm or Lease Name: Jicarilla Apache 102	
Flg. Size: 2.375		Wt.: 4.7		d: 1.995		Set At: 8041	
Perforations: From open		To: ended		Unit: I		Sec.: 3	
Twp.: 26N		Rge.: 4W		County: Rio Arriba		State: New Mexico	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: dual				Packer Set At: 7820		Meter Run:	
Producing Thru tubing		Reservoir Temp. °F:		Mean Annual Temp. °F:		Baro. Press. - P _a :	
L:		H:		G _g :		% CO ₂ :	
% N ₂ :		% H ₂ S:		Prover:		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	14 days						1208		X		3 hrs.
1.	2.375	.750					205		X		
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	12.365		217	1.000	.9258	1.026	2549
2.							
3.							
4.							
5.							

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

NO.	P _t	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1923$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1410$
1		490	240100	1248300		
2						
3						
4						
5						

Absolute Open Flow: 2909 Mcfd @ 15.025				Angle of Slope θ:		Slope, n: .75	
Remarks: flowed heavy oil & lite H ₂ O-flared							
Approved By Commission:		Conducted By: JJB		Calculated By: J. J. Barnett		Checked By:	