

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☒ Special						Test Date 12-29-82			
Company Amoco Production Company				Connection Northwest Pipeline Corporation					
Pool Basin				Formation Dakota				Unit	
Completion Date 11-30-82		Total Depth 8029		Plug Back TD 7975		Elevation 6844		Farm or Lease Name Jicarilla Apache 102	
Csq. Size 4.500	Wt. 15.10	d 3.826	Set At 8029	Perforations: From 7750 To 7954		Well No. 13R			
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 7950	Perforations: From open To ended		Unit Soc. Twp. Rge. H 10 26 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		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	G _q	% 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	10 Days						1410		1462	
1.	2.375	.750					188		568	
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	12.365		200	1.000	.9258	1.022	2340
2.							
3.							
4.							
5.							

NO.	P _t	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				

P _c 1474 P _c ² 2172676				(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1832$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1345$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²			
1		580	336400	1836276			
2							
3							
4							
5							

Absolute Open Flow 2655 Mcfd @ 15.025				Angle of Slope @ _____		Slope, n .75	
Remarks: _____							
Conducted By: _____				Calculated By: _____		Checked By: <i>CPB</i>	