

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 02 29 80				
Company AMOCO PRODUCTION COMPANY				Connection NORTHWEST PIPELINE CORP.					
Pool BASIN				Formation DAKOTA				Unit	
Completion Date 02 11 80		Total Depth 7536		Plug Back TD 7493		Elevation 6711 GL		Farm or Lease Name JICARILLA CONTRACT 146	
Coq. Size 4.500	Wt. 11.6	d 4.000	Set At 7536	Perforations: From 7164 To 7353		Well No. 22E			
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 7373	Perforations: From open To ended		Unit D	Sec. 10	Twp. 25	Rge. 5
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE					Packer Set At NONE		County RIO ARriba		
Producing Thru TUBING		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a		State NEW MEXICO	
L	H	Gg	% 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.		Temp. °F
SI	8 days						1751		1880		3 hrs
1.	2.375	.750					185		590		
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	12365		197	1.000	.9258	1.023	2307
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 _____ 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 1892	P _c ² 3579664	(1) $\frac{P_c^2}{P_e^2 - P_w^2} = \underline{1.1126}$	(2) $\left[\frac{P_c^2}{P_e^2 - P_w^2} \right]^n = \underline{1.0833}$
NO.	P _t ²	P _w	P _w ²
1		602	562404
2			
3			
4			
5			

Absolute Open Flow 2572 Mcfd @ 15.025		Angle of Slope θ DIS .3 Slope, n .75	
Remarks:			
Approved By Division		Conducted By: JJB	
		Calculated By: J J BARNETT	
		Checked By: B E FACKRELL	