

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 03 03 80	
Company AMOCO PRODUCTION COMPANY				Connection NORTHWEST PIPELINE CORP.		
Pool BASIN				Formation DAKOTA		Unit
Completion Date 02 13 80		Total Depth 7420		Plug Back TD 7378		Elevation 6606 GL
Firm or Lease Name JICARILLA CONT. 146		Well No. 17E				
Coq. Size 4.50	Wt. 11.6	d 4.000	Set At 7420	Perforations From 7087 To 7275		Unit Sec. Twp. Rge. J 3 25 5
Tiq. Size 2.375	Wt. 4.7	d 1.995	Set At 7293	Perforations From open To ended		County RIO ARriba
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE				Packer Set At NONE		State NEW MEXICO
Producing Thru TUBING		Reservoir Temp. °F #		Mean Annual Temp. °F		Meter Run Top
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover

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	7 days						1730		1870		3 hrs
1.	2.375	.750					85		480		
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		97	1.000	.9258	1.011	1123
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 _____ XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 1882 P _c ² 3541924		(1) $\frac{P_c^2}{P_t^2 - P_w^2} = 10734$		(2) $\left[\frac{P_c^2}{P_t^2 - P_w^2} \right]^n = 1184$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	
1		492	242064	3299860	
2					
3					
4					
5					

Absolute Open Flow 1184 Mcfd @ 15.025		Angle of Slope 75	
Remarks _____			

Approved by Division	Conducted by JJB	Calculated by J J BARNETT	Checked by B E FACKRELL
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