

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☒ Special						Test Date 4-7-82			
Company Amoco Production Company				Connection Northwest Pipeline Corporation					
Pool Basin				Formation Dakota				Unit	
Completion Date 2-23-82		Total Depth 8775		Plug Back TD 8729		Elevation 6925 GL		Farm or Lease Name Rosa Unit	
Csq. Size 5.500	Wt. 17	d 4.892	Set At 8775	Perforations: From 8486 To 8544		Well No. 86			
Thq. Size 2.063	Wt. 3.25	d 1.751	Set At 8542	Perforations: From open To ended		Unit Sec. Twp. Rge. H 28 31N 4W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual						Packer Set At 7930		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F θ		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	14 Days						2875		X		
1.	2.375		..750				115		X		3 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, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		127	1.000	.9258	1.015	1476
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Gas _____ 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

NO.	P _t ²	P _w ²	P _r ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1		387	149769	8185000	1.0183	1.0137
2						
3						
4						
5						

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$ 1496

Absolute Open Flow 1496 Mcfd @ 15.025

Angle of Slope θ _____

Slope, n .75

Remarks: Flowed Dry

Approved By Division	Conducted By: J. J. Barnett	Calculated By: J. J. Barnett	Checked By:
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