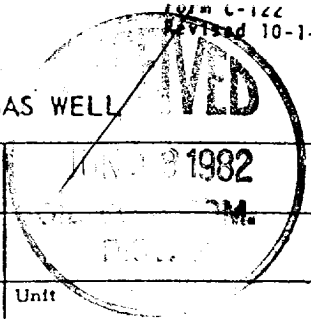


MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☒ Special				Test Date 6-20-82				
Company Amoco Production Company				Connection Northwest Pipeline Corporation				
Pool Otero				Formation Chacra				Unit
Completion Date 6-1-82		Total Depth 5407		Plug Back TD 5253				Elevation 6605 GL
Csg. Size 5.500	Wt. 14	d 5.012	Set At 5407	Perforations: From 3782 To 3808		Well No. 39		
Tng. Size 1.660	Wt. 2.40	d 1.380	Set At 3818	Perforations: From orange peel To perf sub		Unit J	Sec. Twp. Rge. 3 25N 5W	
Type Well - Single - Brodenhead - G.G. or G.O. Multiple Dual				Packer Set At 3950		County Rio Arriba		
Producing Thru Tubing		Reservoir Temp. °F P		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	7 Days						812		812		
1.	2.375		.750				57		398		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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		69	1.000	.9608	1.006	825
2.							
3.							
4.							
5.							

NO.	P _r	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

NO.	P _c	P _w	P _c ²	P _w ²	P _c ² - P _w ²
1	624	410	678976	168100	510876
2.					
3.					
4.					
5.					

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.3290$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1021$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2378$

Absolute Open Flow	1021	Mcfd @ 15.025	Angle of Slope @	Slope, n	.75
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Remarks: _____

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