

MULTI-POINT AND ONE-POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Rev. 1-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 11-9-76				
Company AMOCO PRODUCTION COMPANY				Connection El Paso Natural Gas Co.					
Pool Blanco				Formation Mesaverde				Unit	
Completion Date 11-2-76		Total Depth 4900		Plug Back TD 4853		Elevation 5699 GL		Farm or Lease Name Likins Gas Com "A"	
Gas. Size 7.000	Wt. 20	d 6.456	Set At 2800	Perforations: From 4010 To 4730		Well No. 1-A			
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 4737	Perforations: From Open to Ended		Unit Sec. Twp. Rge. J 34 30 9			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At None		County San Juan		
Producing Thru Tbg.		Reservoir Temp. *F a		Mean Annual Temp. *F 55		Baro. Press. - P _a 12 psia est.		State New Mexico	
L 4370	H	Gg .65	% 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						515		560		
1.	2-inch		.750				90	60°	490	60° est.	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, Fpv	Rate of Flow Q, Mcfd
1.	12.365		102	1.000	.9608	1.010	1224
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 572		P _c ² 327,184		(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 4.3520$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3.0131$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²			
1		502	252,004	75180			
2							
3							
4							
5							

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3688$

3688

Absolute Open Flow 3688		Mcf/d @ 15.025		Angle of Slope θ		Slope, n .75	
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Remarks: 4-1/2" 11# Liner Set 2576-4900'

Approved By Commission:	Conducted By: T. M. Oliver	Calculated By: W. R. Cordill	Checked By: H. D. Montgomery
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