

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☒ Special						Test Date 11/15/83	
Company Amoco Production Company				Connection Gas Company of New Mexico			
Pool Blanco				Formation Mesaverde		Unit	
Completion Date 10/15/83		Total Depth 5996		Plug Back TD 5939		Elevation 6907GL	
Farm or Lease Name Jicarilla Apache 102		Well No. 30A					
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 5984	Perforations: From 5306 To 5860		Unit Sec. Twp. Rge. D 10 26 4	
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 5912	Perforations: From Open To Ended		County Rio Arriba	
Type Well - Single - Brdenhead - G.G. or G.O. Multiple Single				Packer Set At None		State New Mexico	
Producing Thru Tubing		Reservoir Temp. °F p		Mean Annual Temp. °F		Baro. Press. - P _a	
L	H	G _g	% 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	11 Days						787		1103		
1.	2.375	.750					230		798		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		242	1.000	.9258	1.024	2837
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 Hydrocarbon	Deg.
2.					Specific Gravity Separator Gas	X X X X X X X X
3.					Specific Gravity Flowing Field	X X X X X
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²
1		810	656100	587125
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.1175$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4980$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.7554$

Absolute Open Flow	4980	Mcf @ 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: J.J. Barnett
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