

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 4/3/78	
Company Amoco Production Company				Connection Gas Company Of New Mexico		
Pool Blanco				Formation Mesaverde		Unit
Completion Date 03/26/78		Total Depth 5949		Plug Back TD 5903		Elevation 6840
Farm or Lease Name Jicarilla Apache 102						Well No. 30
Chq. Size 7.000	Wt. 20	d 6.456	Set At 3920	Perforations: From 5238 To 5783		
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 5783	Perforations: From Open To Ended		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		County Rio Arriba
Producing Thru Tubing		Reservoir Temp. °F		Mean Annual Temp. °F		State New Mexico
L	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	8 days						1114		1121		
1.	2.375	0.750					190	60	700		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 F _g	Super Compress. Factor F _{pv}	Rate of Flow Q, Mcfd
1	12.365		202	1.000	0.9608	1.019	2445
2.							
3.							
4.							
5.							

NO.	P _f	Temp. °R	T _f	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 1133 P _c ² 1283689						
NO.	P _f ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{1.6527}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{1.4576}$
1		712	506944	776745		
2						
3						
4						
5						

$AOI = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{3564}$			
Absolute Open Flow 3564		Mcf/d @ 15.025	Angle of Slope ⇨ _____
		Slope, n .75	

Remarks: **4.5" 10.5# Liner set @ 3730' - 5949'**

Approved By Commission	Conducted By: T. M. Oliver	Calculated By: TMO/TDB	Checked By: J. L. Krupka
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