

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 4-12-78	
Company Amoco Production Company				Connection El Paso Natural Gas Company		
Pool B.S. Mesa				Formation Callup		Unit
Completion Date 4-4-78		Total Depth 7469		Plug Back TD 7419		Elevation 6890
Farm or Lease Name Jicarilla Apache 102						Well No.
Csg. Size 7.000	Wt. 20	d 6.456	Set At 4049	Perforations: From 6999 To 7367		Unit 28
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 7361	Perforations: From Open To Ended		Unit P
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	G _g	% CO ₂	% N ₂	% H ₂ S	Prover
		.73				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	
1.	8 days						263		713		
2.	2.375		0.750				10	60	260		3 hrs.
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		22	1.000	.9066	1.011	249
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	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 **725** P_c² **525625**

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1.				
2.				
3.				
4.				
5.				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \mathbf{1.1638}$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \mathbf{1.1205}$

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

Absolute Open Flow 279	Mcfd @ 15.025	Angle of Slope θ _____	Slope, n .75
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Remarks: **4.5", 10.5# liner set 3845' - 7469'**

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