

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 3/8/78			
Company Amoco Production Company				Connection El Paso Natural Gas Company					
Pool Ute Dome				Formation Paradox				Unit	
Completion Date 2/25/78		Total Depth 8549		Plug Back TD 8513		Elevation 6198		Farm or Lease Name Ute Indians A	
Chg. Size 5.500	Wt. 17.0	d 4.892	Set At 7870	Perforations: From 8008 To 8567		Well No. 10			
Tlg. Size 2.375	Wt. 4.7	d 1.995	Set At 8454	Perforations: From Open To Ended		Unit Sec. Twp. Rge. J 36 32 14			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At 7347		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	Gg .85	% 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	12 days						868		0 - Pkr		
1.	2.375		0.750				175	60	Pkr		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		187	1.000	.8402	1.032	2005
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 _r	P _w	P _w ²	P _r ² - P _w ²
1	880	424	179776	594624
2				
3				
4				
5				

(1) $\frac{P_r^2}{P_r^2 - P_w^2} = \mathbf{1.3023}$

AOIF = Q $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = \mathbf{2611}$

(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = \mathbf{1.3023}$

Absolute Open Flow 2611 Mcfd @ 15.025	Angle of Slope θ _____	Slope, n 1
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Remarks: **Pw Calculated Per C-122A, 4", 9.11# K-55 Liner Set At 7422' - 8549'**

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