

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 10-9-81	
Company Curtis J. Little				Connection El Paso			
Pool Ballard				Formation Pictured Cliff		Unit	
Completion Date 10-2-81		Total Depth 2900		Plug Back TD 2881		Elevation 6931 GL	
Casing Size 2.875		WT. 6.5		Set At 2894		Perforations: From 2777 To 2849	
Well No. 2		Unit G		Sec. 5		Twp. 25N	
Range Slim		Hole Hole		Set At		To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		County Rio Arriba	
Producing Thru Casing		Reservoir Temp. °F 6		Mean Annual Temp. °F		State N.M.	
L		H		Gg .650		% 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
1	2 inch		.750	31					462	31	60°
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	12.3650		43	1.000	.9608	1.007	514
2							
3							
4							
5							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1										
2										
3										
4										
5										

P _c 474 P _c ² 224676				
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		53	2850	221826
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0128$

AOIF = Q · $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 520$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0109$

Absolute Open Flow	520	Mcfd @ 15.025	Angle of Slope θ	Slope, n = 85
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Remarks: Dry Gas throughout test

Approved By Commission	Conducted By: Joe Elledge	Calculated By: Joe Elledge	Checked By: Curtis J. Little
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