

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 7-1-83		RECEIVED	
Company Curtis J. Little				Connection El Paso				
Pool Fulcher Kutz				Formation Pictured Cliff			Unit JUL 6 - 1983	
Completion Date 6-23-83		Total Depth 2545		Plug Back TD 2519		Elevation 6702 GL		OIL CON. DIV. Wieder Dist. 3
Csg. Size 2.875	Wt. 6.5	d 2.441	Set At 2550	Perforations: From 2396 To 2494		Well No. 4		
Tub. Size	Wt. slim	d hole	Set At	Perforations: From To		Unit K	Sec. 34	Twp. 27
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At None		County San Juan	
Producing Thru Csg.		Reservoir Temp. °F #		Mean Annual Temp. °F		Baro. Press. - P _a 12 psi test		State New Mexico
L	H	Cg .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
SI	8 days								245		
1.	2 inch	.750	78						78	60°	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	12.3650		90	1.0000	.9608	1.003	1072
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 _i ²	P _w	P _w ²	P _e ² - P _w ²	$(1) \frac{P_e^2}{P_e^2 - P_w^2} = 1.2243$ $(2) \left[\frac{P_e^2}{P_e^2 - P_w^2} \right]^n = 1.18769$ $AOF = Q \left[\frac{P_e^2}{P_e^2 - P_w^2} \right]^n = 1273$
1		110	12101	53948	
2		Calculated			
3					
4					

Absolute Open Flow _____ 1273 _____ Mcfd @ 15.025		Angle of Slope @ _____	Slope, n .85
Remarks: Dry Gas Throughout Test			
Approved By Division		Conducted By: Joe Elledge	Calculated By: Joe Elledge
		Checked By: Curtis J. Little	