



Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 5-25-73	
Company Lively Exploration Co.				Connection			
Pool Basin - Dakota				Formation Dakota		Unit CON. COM. DIST. 3	
Completion Date 5-14-73		Total Depth 6751'		Plug Back TD 6730'		Elevation 5838' RKB	
Csg. Size 4 1/2"		Wt. 10.5#		Set At 4052'		Perforations: From 6533' To 6725'	
Tbg. Size 1 3/4"		Wt. 2.4#		Set At 6690'		Perforations: From Open End To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas						Packer Set At	
Producing Thru		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _g	
L		H		G _g .65 Est.		% CO ₂	
% N ₂		% H ₂ S		Prover		Meter Run	
Taps		State New Mexico		County San Juan			

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							1958		2214		7 days
1.											
2.	5/8" P₀₃ Choke			153		42°			1802		3 Hrs.
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							
2	8.5417		165	1.0178	.9608	1.016	1400
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

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1				
2		1814	3,290.596	1,664,480
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{2.9770}$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{3173}$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{2.2663}$

Absolute Open Flow 3173 Mcfd @ 15.025	Angle of Slope @ _____	Slope, n .75
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Remarks: **Well Heavy Mist condensate after 3 Hrs.**

Approved By Commission:	Conducted By: Dugan	Calculated By: Jacobs	Checked By:
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