

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

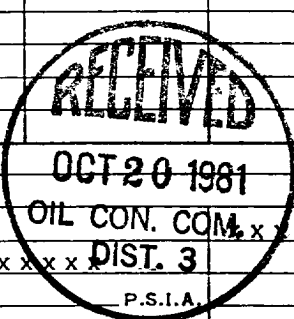
Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 10/12/81			
Company Lively Exploration Company						Connection NONE			
Pool Basin Dakota						Formation Dakota			
Completion Date 9/26/81		Total Depth 6770'		Plug Back TD 6736'		Elevation 6172'GL		Farm or Lease Name Lively	
Csg. Size 4.500	Wt. 10.50	d 4.000	Set At 6770'	Perforations: From 6569' To 6660'		Well No. 20-E			
Thg. Size 1.900	Wt. 2.90	d 1.610	Set At 6608'	Perforations: From Open To Ended		Unit B	Sec. 12	Twp. 25N	Rge. 8W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas						Packer Set At		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L 6608	H 6608	G _g	% 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							1580		2100		16 days
1.	Pitot Tube						420		750		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							689
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 2112	P _c 24,460,544	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1496$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1102$
NO	P _t ²	P _w	P _w ²
1		762	580,644
2			
3			
4			
5			

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 764$	
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Absolute Open Flow	764	Mcf/d @ 15.025	Angle of Slope θ	Slope, n	0.75
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Remarks:			
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Approved By Commission:	Conducted By: Bill Matthews	Calculated By: Dewayne Blancett	Checked By:
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