

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 2/17/81	
Company LIVELY EXPLORATION CO.				Connection		
Pool Basin Dakota				Formation Dakota		Unit
Completion Date 2/9/81		Total Depth 6751'		Plug Back To 6692'		Elevation 5891' GL
Farm or Lease Name Lively		Well No. 2-E				
Csg. Size 4-1/2	Wt. 11.60	d 4.000	Set At 6747'	Perforations: From 6571' To 6663'		Unit Sec. Twp. Rge. H 21 28N 8W
Thg. Size 2-3/8"	Wt. 4.70	d 1.995	Set At 6578'	Perforations: From None To		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At --		County San Juan
Producing Thru Tubing		Reservoir Temp. °F 137 @ 6751		Mean Annual Temp. °F 60°		State New Mexico
L 6578	H 6578	Gg .60	% 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							2200		2200		7 days
1.	3/4" THC						200	60	500		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 F _{sc}
1	12.3650		212	1.000	1.000	1.000
2.						
3.						
4.						
5.						

NO.	P _t	Temp. °R	T _f	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

P _c 2212	P _c ² 4,892,944	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0566$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0421$
NO.	P _t ²	P _w	P _w ²
1		512	262,144
2			
3			
4			
5			

Absolute Open Flow 2731		Mcf/d @ 15.025	Angle of Slope θ _____	Slope, n 0.75
Remarks: _____				
Approved By Commission:		Conducted By: Steve Martindale	Calculated By: Dewayne Blancett	Checked By: