

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLForm C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 11-19-75			
Company Lively Exploration Company				Connection				
Pool Basin Dakota				Formation Dakota				Unit
Completion Date 11-10-75		Total Depth 7100'		Plug Back TD 7090'		Elevation 5878' GR		Farm or Lease Name Lively
Csg. Size 4-1/2"	Wt. 10.5#	d 4.052	Set At 7090' RKE	Perforations: From 6860' To 7080'			Well No. 25	
Tub. Size 1-1/4"	Wt. 2.4#	d 1.380	Set At 7070' RKE	Perforations: From Open Ended To			Unit Sec. Twp. Rge. L 29 30N 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		Base. Press. - P _g		State New Mexico
L	H	G _g .65 est	% 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							2045		2242		9 days
1.											
2.											
3.	3/4" Pos Choke			70		50°			735		3 hrs
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							
3	12.365		82	1.010	.9608	1.008	991
4							
5							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons	_____ Deg.
2.					Specific Gravity Separating Gas	XXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXX
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) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1519$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^{n \cdot 75} = 1.1119$
1						
2						
3		747	558,009	3,673,240		
4						
5						

Absolute Open Flow 1102 Mcfd @ 15.025				Angle of Slope θ _____		Slope, n .75	
Remarks: _____							
Approved By Commission:		Conducted By: Hall & Norton		Calculated By: Hall		Checked By:	