

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 4-4-74			
Company Lively Exploration Company				Connection					
Pool Basin Dakota				Formation Dakota				Unit	
Completion Date 2-28-74		Total Depth 6700'		Plug Back TD 6650'		Elevation 6109' RKB		Farm or Lease Name Lively	
Csg. Size 4 1/2"	Wt. 10.5#	d 4.052	Set At 6703'	Perforations: From 6437' To 6633'		Well No. 17			
Tbg. Size 1 1/4"	Wt. 2.4#	d 1.380	Set At 6600'	Perforations: From Open End To		Unit Sec. Twp. Rge. P 1 26N 8W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas						Packer Set At		County San Juan	
Producing Thru Tbg		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a		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							1371		1600		7 days
1.											
2.											
3.	5/8" Pos. Choke			73		54°			432		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	8.5417		85	1.0058	.9608	1.000	702
4.							
5.							

NO.	P _c	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	Mcf/bbl.	Deg.
1												
2												
3												
4												
5												

NO.	P _c	P _c ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1	1612	2,598,544				1.0821	1.0609
2							
3			444	197,136	2401,408		
4							
5							

Absolute Open Flow <u>745</u> Mcfd @ 15.025				Angle of Slope θ _____		Slope, n <u>.75</u>	
Remarks: _____							
Approved By Commission:		Conducted By: Crane & Fothergill		Calculated By: Crane		Checked By:	