

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 1-20-76			
Company Lively Exploration Company				Connection					
Pool Basin Dakota				Formation Dakota				Unit	
Completion Date 1-13-76		Total Depth 7333'		Plug Back TD 7311'		Elevation 6057' GR		Farm or Lease Name Lively	
Csg. Size 4-1/2"	Wt. 10.5#	d	Set At 7333' RKB	Perforations: From 7084' To 7207'				Well No. 30	
Tbg. Size 1-1/4"	Wt. 2.4#	d	Set At 7189' RKB	Perforations: From Open Ended To				Unit Sec. Twp. Rge. M 20 30N 9W	
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	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run	Taps	
		.65 est							

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
1							1572		2125		7 days
2											
3	2" x 3/4"			62		58°	62	58°	822		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		74	1.002	.9608	1.007	887
4							
5							

NO.	P _t	Temp. °R	UNIT	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2					Specific Gravity Separator Gas _____ XXXXXXXXXX
3					Specific Gravity Flowing Fluid _____ XXXXX
4					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5					Critical Temperature _____ R _____ R

P _c 2137	P _c ² 4,566,769	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1796$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^{.75} = 1.2031$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1				
2				
3		834	695,556	3,871,213
4				
5				

Absolute Open Flow 1067 Mcfd @ 15.0:5		Angle of Slope θ _____	Slope, n .75
Remarks: _____			
Approved By Commission: _____			
Conducted By: Hall & Norton		Calculated By: Charles Hall	
Checked By: _____			