

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		Date 3/19/81	
Company Lively Exploration Company		Connection Waiting on Pipeline	
Pool Basin Dakota		Formation Dakota	
Completion Date 3/9/81		Total Depth 6808'	Plug Back TD 6783'
		Elevation 6197'GL	Farm or Lease Name Lively
Csg. Size 4.500	Wt. 10.50	d 4.000	Set At 6808'
Perforations: From 6612' To 6699'		Well No. 17-E	
Tbg. Size 2-3/8"	Wt. 4.70	d 1.995	Set At 6652'
Perforations: From Open To Ended		Unit 1	Sec. 26N
		Twp. 8W	Rge.
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At ---	County San Juan
Producing Thru Tubing		Reservoir Temp. °F 134 @ 6800	Mean Annual Temp. °F 60
		Baro. Press. - P _a 12.0	State New Mexico
L 6652	H 6652	G _g .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							1950		2000		10 days
1.	Pitot Tube						875	60	1275		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 F _L	Gravity Factor F _g	Super Compress. Factor, F _{pv}
1						2,930
2.						
3.						
4.						
5.						

NO.	P _r	Temp. °R	T _r	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 2012	P _c 2 4,048,144					
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.6925$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.4838$
1		1287	1,656,369	2,391,775		
2						
3						
4						
5						

Absolute Open Flow 4,348 Mcfd @ 15.025		Angle of Slope θ _____	Slope, n 0.75
Remarks: Separator Back Pressure - 400 psig.			
Approved By Commission:	Conducted By: Dewayne Blancett	Calculated By: Ewell N. Walsh	Checked By: