

N. 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 9/25/81			
Company Lively Exploration				Connection None					
Pool Basin Dakota				Formation Dakota				Unit	
Completion Date 9/12/81		Total Depth		Plug Back TD 6868		Elevation 5990GL		Farm or Lease Name Lively	
Csg. Size 4.500	Wt. 10.50	d 4.000	Set At	Perforations: From 6686 To 6818				Well No. 19E	
Thq. Size 1.900	Wt. 2.90	d 1.610	Set At 6710	Perforations: From Open To ended				Unit Sec. Twp. Rye. N 12 26N 8W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas						Packer Set At		County San Juan	
Producing Thru		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L 6710	H 6710	Gg	% 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							1570		1625		13 days
1.	pitot tube						360		780		3 hours
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1							734
2.							
3.							
4.							
5.							

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

P _c 1637	P _c ² 2,679,769	
NO	P _t ²	P _w
1		792
2		627,264
3		2052505
4		
5		

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.3056$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 896$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2213$

Absolute Open Flow	896	Mcf/d @ 15.025	Angle of Slope θ	Slope, n 0.75
Remarks:				

Approved By Commission:	Conducted By: Bill Matthews	Calculated By: Dewayne Blancett	Checked By:
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