

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 4-26-73	
Company Lively Exploration Co.				Connection		
Pool Lively Dakota				Formation Dakota		Unit
Completion Date 4-17-73		Total Depth 7545		Plug Back TD 7534		Elevation 6405 RKB
Farm or Lease Name Lively						
Log. Size 4 1/2"	Wt. 11.6#	d 7545	Set At 7545	Perforations: From 7502 To 7534		Well No. 10
Log. Size 1 1/4"	Wt. 2.4#	d 1382	Set At 7477	Perforations: From Open End To		Unit Sec. Twp. Rge. E 17 29N 8W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single Gas				Packer Set At		County San Juan
Producing Thru T69		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a
State New Mexico						
L	H	G _g .65 vol.	% 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	
1.							1788		2190		70 min
2.	3/8" P.S. Orifice			94		50°			1122		3.4 hr.
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1							
2	12.365		106	1.000	.960	1.011	12.51
3							
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 Separator Gas _____ XXXXXXXXX
3					Specific Gravity Flowing Fluid _____ XXXXX
4					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5					Critical Temperature _____ R _____ R

NO.	P _c ²	P _w ²	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.3572$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.5587$
1						
2		1134	1200	3,580		
3						
4						
5						

Absolute Open Flow <u>1622</u> Mcfd @ 15.025				Angle of Slope θ _____		Slope, n <u>1.75</u>	
Remarks: _____							
Approved By Commission: _____ Conducted By: <u>Jacobus</u> Calculated By: <u>Jacobus</u> Checked By: _____							