5-NMOCC/ 1-Lively 1-Shryack 1-EPNG (Ullrich) 1-EPNG (Texas) 1-EPNG (Bob Clark)
1-File 1-EPNG (Ed Mabe)

NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: ☒ Initial ☐ Annual ☐ Special			Test Date: 3-22-74		
Company: Lively Exploration Co	Connection:				
Pool: Basin-Dakota	Formation: Dakota			Unit:	
Completion Date: 2-25-74	Total Depth: 6715	Plug Back TD: 6660	Elevation: 6010 RKB	Farm or Lease Name: Lively	
Csg. Size: 4½" / Wt.: 10.5# / d: 4.052 / Set At: 6715	Perforations: From 6477 To 6666			Well No.: 21	
Tbg. Size: 1¼" / Wt.: 2.4# / d: 1.380 / Set At: 6583	Perforations: From Open End To			Unit: L / Sec.: 31 / Twp.: 27N / Rge.: 7W	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single – Gas	Packer Set At: None			County: Rio Arriba	
Producing Thru: Tbg	Reservoir Temp. °F: @	Mean Annual Temp. °F:	Baro. Press. – P_a:	State: New Mexico	

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
		.65 est						

NO.	FLOW DATA: Prover Line Size X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA: Press. p.s.i.g.	Temp. °F	CASING DATA: Press. p.s.i.g.	Temp. °F	Duration of Flow
SI					2193		2156		7 days
1.									
2.	3/4" Positive Choke	107		57°			733		3 Hrs.
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		119	1.0029	.9608	1011	1433
3.							
4.							
5.							

NO.	P_r	Temp. °R	T_r	Z
1.				
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXXX
Specific Gravity Flowing Fluid _____ XXXXXXXXX
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

RECEIVED
MAR 27 1974
OIL CON. COM.
DIST. 3

P_c 2205 P_c^2 4862025

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1				
2		745	555,025	4307 000
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1289$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^{n} = 1.0951$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^{n} = 1569$

Absolute Open Flow 1569 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: Moderate spray of Water & Condensate @ end of three hours

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Jacobs & Fothergill	Jacobs	