5-NMOCC 1-Shryack 1-EPNG (Texas) 1-File
1-Lively 1-EPNG (Ullrich) 1-EPNG (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: 5-26-73	
Company: Lively Exploration Co.	Connection			
Pool: Basin Dakota	Formation: Dakota		Unit	
Completion Date: 5-18-73	Total Depth: 7390'	Plug Back TD: 7375'	Elevation: 6170' RKB	Farm or Lease Name: Lively
Csg. Size: 4½" / Wt.: 10.5# & 11.6# / d: 4.052 / Set At: 7382 KB		Perforations: From 7164' To 7372'		Well No.: 15
Tbg. Size: 1½" / Wt.: 2.4# / d: 1.380 / Set At: 7333 KB		Perforations: From Open End To		Unit: H / Sec.: 32 / Twp.: 30N / Rge.: 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	H	Gg: .65 est	% CO_2	% N_2 / % H_2S / Prover / Meter Run / Taps

FLOW DATA / TUBING DATA / CASING DATA

NO.	Prover Line Size	X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI						2017		2346		7 days
1.										
2.	3/4"	Pos. Choke	146		58°			1428		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		158	1.0019	.9608	1.015	1909
3							
4							
5							

NO.	P_t	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 _____ XXXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

OIL CON. COM.
DIST. 3

P_c 2358 P_c^2 5,560,164

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1				
2		1440	2,073,600	3,486,564
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.5947$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^{n \cdot 75} = 1.4190$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^{n} = 2709$

Absolute Open Flow 2709 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .75

Remarks: Very dry throughout Test

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Dugan	Sands	