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

NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 12-23-74	
Company: Lively Exploration Company			Connection		
Pool: Basin			Formation: Dakota		Unit
Completion Date: 12-13-74	Total Depth: 6610'		Plug Back TD: 6610'	Elevation: 5733'	Farm or Lease Name: Lively
Csg. Size: 4-1/2" / Wt.: 10.5# / d: / Set At: 6609'			Perforations: From 6486' To 6568'		Well No.: 27
Tbg. Size: 1-1/4" / Wt.: 2.4# / d: / Set At: 6545'			Perforations: From Open Ended To		Unit: P / Sec.: 18 / Twp.: 28N / Rge.: 8W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single - Gas			Packer Set At: ———		County: San Juan
Producing Thru: Tubing	Reservoir Temp. °F: 0	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						

	FLOW DATA					TUBING DATA		CASING DATA		
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	Duration of Flow
SI						2250		2245		7 Days
1.										
2.										
3.	2"	3/4"	65		50°			542		3 Hrs
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.							
3.	12.3650		77	1.0098	0.9608	1.000	924
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 _____ XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 2262 P_c^2 5,116,644

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		554	306,916	4,809,728
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.06$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0446$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 965$

Absolute Open Flow 965 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: Light spray of water and distillate

Approved By Commission:	Conducted By:	Calculated By: Ivie	Checked By: