

3-NAOCC 1-Lively 1-Shryack 1-EPNG (Texas) 1-EPNG (Ulrich) 1-File
1-EPNG (Clark) 1-EPNG (Mabe)

NEW 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 4-30-74	
Company Lively Exploration Company				Connection		
Pool Wildcat				Formation Lewis Sand		Unit
Completion Date 4-20-74		Total Depth 7444'		Plug Back TD 7441'		Elevation 6105' RKB
Farm or Lease Name Lively		Well No. 7-Y				
Csg. Size 4 1/2"	Wt. 11.6# & 10.5#	d 4.052	Set At 7444'	Perforations: From 3685' To 3700'		
Tbg. Size 1 1/4"	Wt. 2.4#	d 1.038	Set At 7371'	Perforations: From Open End To		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual - Gas Gas				Packer Set At 7090'		County San Juan
Producing Thru Csg		Reservoir Temp. °F @		Mean Annual Temp. °F		State New Mexico
L	H	Gg .62 est	% 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									748		7 days
1.											
2.	5/8" Pos. Choke			385		660					3 hours
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, F _{pv}	Rate of Flow Q, Mcfd
1							
2							
3	8.5417		397	.9943	.9837	1.035	3433
4							
5							

NO.	P _r	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 _____ X X X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 760	P _c ² 577.6		
NO.	P _t ²	P _w	P _w ²
1			
2			
3	159.448	399	159.448
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{577.6}{418.152} = 1.391$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4545$$

Absolute Open Flow 4545 Mcfd @ 15.025 Angle of Slope 0 Slope, n .85

Remarks: Very dry. Producing on csg-tbg annulus.

Approved By Commission:	Conducted By: Crane	Calculated By: Dugan	Checked By: Jacobs
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