

**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 2-14-73	
Company Lively Exploration Co				Connection		
Pool Basin - Dakota				Formation Dakota		Unit
Completion Date 1-18-73		Total Depth 7684		Plug Back TD 7645'		Elevation 6507
Cse. Size 4 1/2"	Wt. 10.5#	d	Set At 7684'	Perforations: From 7453 To 7608		Well No. 3
Tbg. Size 1 1/4"	Wt. 2.4#	d 1.380"	Set At 7594'	Perforations: From Open End To		Unit N 9 29N 8W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas				Packer Set At		County San Juan
Producing Thru Tbg.		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _a
L 1		H		G _g .65		% 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.							2317		2323		1 Day
2.											
3.	3/4" As Choke			217		41°			1854		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.	12.365		227	1.0181	.9608	1.025	2841
4.							
5.							

NO.	P _t	Temp. °R	T _t	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 2325	P _c ² 5,422,225		
NO.	P _t ²	P _w	P _w ²
1.			
2.			
3.	1866	3421.953	1919269
4.			
5.			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.7672$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 6095$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.54$

RECEIVED

FEB 16 1973

OIL CON. COM.

Slope DIST: 35

Absolute Open Flow 6095 Mcfd @ 15.025		Angle of Slope θ _____	
Remarks: Slight spray water & some sloughing - see			
Approved By Commission:	Conducted By: Jacobs H. McCoy	Calculated By: Jacobs	Checked By: H. McCoy