

CONFIDENTIAL

Operator LOUIS DREYFUS				Lease or Unit Name GERONIMO 28 ST. COM			
Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 10/30/01		Well No. 1	
Completion Date 8/9/01		Total Depth 10488		Plug Back TD 10413		Elevation 3684	
Csg. Size 5 1/2	Wt. 17	d 4.892	Set At 10488	Perforations: From: 10178 To: 10205		County Eddy	
Tbg. Size 2 3/8	Wt. 4.7	d 1.995	Set At 10022	Perforations: From: To:		Pool Empire Penn	
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE				Packer Set At 10041		Formation MORROW	
Producing Thru Tubing		Reservoir Temp. °F 174.4		Mean Annual Temp. °F 60		Baro. Press. - P _a 13.2	
L 10041		H 10041		Gg 0.638	%CO ₂ 0.501	%N ₂ 0.671	%H ₂ S N/A
Prover N/A		Meter Run 4.026		Taps FLG		Connection SALES	
FLOW DATA				TUBING DATA		CASING DATA	
No.	Prover Line Size	Orifice x Size	Press p.s.i.g.	Diff. h _w	Temp. °F	Press p.s.i.g.	Temp. °F
SI							
1	4.026 X 1.750		374			2995	N/A
2	4.026 X 1.750		392			2868	PKR
3	4.026 X 1.750		410			2824	N/A
4	4.026 X 1.750		429			2624	N/A
5						2253	
RATE OF FLOW CALCULATIONS							
No.	COEFFICIENT (24 Hour)		$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress Factor F _{pv}
1							
2							
3	TOTAL		FLOW	METER			
4							
5							
No.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio		
1					79.6 Mcf/bbl		
2					A.P. I. Gravity of Liquid Hydrocarbons 55.0 @60 Deg		
3	TOTAL	FLOW			Specific Gravity Separator Gas 0.638 XXXXXXXX		
4					Specific Gravity Flowing Fluid XXXXXX G MIX = .675		
5					Critical Pressure P.S.I.A. 669 P.S.I.A.		
					Critical Temperature R. 382 R		
P _c	3008.2	P _{c2}	9094.3				
No.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $P_c^2 = \frac{4.64}{P_c^2 - P_w^2}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3.172$		
1		2884.8	8322.3	727			
2		2852.5	8136.6	912.7			
3		2664.4	7099	1950.2			
4		2320.8	5386.3	3662.9			
5					AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 6.588$		
Absolute Open Flow 6.588				Mcf/d @ 15.025	Angle of Slope (°): 53.05		Slope n: 0.7521
Remarks: * WELL MADE 4.0 BBLS OF 55.0 API GRAVITY CONDENSATE DURING TEST.							
Approved By Division:		Conducted By: PRO WELL TESTING		Calculated By: MERV BUECKER		Checked By: BM	