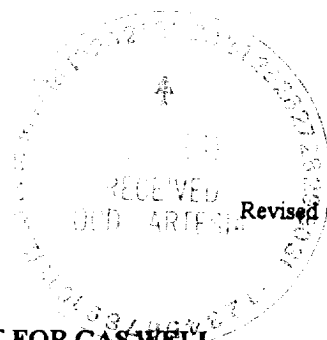


Submit in duplicate to
appropriate district office.
See Rule 401 & Rule 1122

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505



Form C-122
Revised October, 1999

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator LOUIS DREYFUS						Lease or Unit Name GERONIMO 33 ST. COM					
Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 7/3/00		Well No. 1			
Completion Date		Total Depth 10,616		Plug Back TD 10,514		Elevation		Unit Ltr - Sec - TWP - Rge 33-17S-28E			
Csg. Size 5 1/2	Wt. 17	d 4.892	Set At 10,616	Perforations: From: 10287 To: 10295		County EDDY					
Tbg. Size 2 3/8	Wt. 4.7#	d 1.995	Set At 10148	Perforations: From: To:		Pool					
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE						Packer Set At 10148		Formation MORROW			
Producing Thru tubing		Reservoir Temp. °F 175.5		Mean Annual Temp. °F 60		Baro. Press. -P _a 13.2		Connection AIR			
L 10148	H 10148	Gg 0.665	%CO ₂ 0.368	%N ₂ 1.65	%H ₂ S n/a	Prover n/a	Meter Run 4.026	Taps fig			
FLOW DATA				TUBING DATA				CASING DATA			
No.	Prover Line Size	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						1925.3	N/A	pkc	n/a	72 HRS.	
1	4.026 X 1.250		450	3	90	1895				60 min	
2	4.026 x 1.250		450	7	94	1640				60 min	
3	4.026 x 1.250		450	11	90	1340				60 min	
4	4.026 x 1.250		460	15	96	880				60 min	
5											
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}		Rate of Flow Q, Mcfd		
1	7.469		37.2	463.2	0.9723	1.226	1.047		346		
2	7.469		56.9	463.2	0.9688	1.226	1.046		527		
3	7.469		71.4	463.2	0.9723	1.226	1.047		665		
4	7.469		84.2	473.2	0.9671	1.226	1.045		779		
5											
No.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio N/A Mcf/bbl.						
1	0.81	550	1.47	0.913	A.P. L Gravity of Liquid Hydrocarbons N/A Deg.						
2	0.82	554	1.48	0.914	Specific Gravity Separator Gas 0.665 XXXXXXXX						
3	0.81	550	1.47	0.913	Specific Gravity Flowing Fluid N/A XXXXXX						
4	0.82	556	1.49	0.916	Critical Pressure 672 P.S.I.A. P.S.I.A.						
5					Critical Temperature 372 R. R.						
P _c 1938.2 P _{c2} 3756.6											
No.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{1.283}{\quad}$ $AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{0.882}{\quad}$ $(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{1.133}{\quad}$						
1	3641.2	1909.1	3644.8	60.8							
2	2733.2	1655.7	2741.5	964.1							
3	1831.2	1358.3	1844.9	1860.7							
4	797.8	904.4	817.9	2887.7							
5											
Absolute Open Flow 0.882 Mcfd @ 15.025					Angle of Slope (°): 0.499		Slope α: 0.498				
Remarks: * CALCULATED FROM KNOWN BOTTOM HOLE PRESSURE											
Approved By Division:			Conducted By: PRO WELL TESTING			Calculated By: MB			Checked By: BM		