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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 NATURAL GAS				Lease or Unit Name OCD - ARTESIA				Well Name GERONIMO 34 ST. COM			
Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 9/13/00				Well No. 1-Y			
Completion Date 9-23-00		Total Depth 10,600		Plug Back TD 10451		Elevation 3673		County Ltr - Sec - TWP - Rge E 34-12-28			
Csg. Size 5 1/2	Wt. 17	d 4.892	Set At 10451	Perforations: From: 10291 To: 10303		County EDDY					
Tbg. Size 2 3/8	Wt. 4.7	d 1.995	Set At 10130	Perforations: From: To:		Pool Empire Penny					
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE				Packer Set At 10172		Formation Penny					
Producing Thru TUBING		Reservoir Temp. °F 176.2		Mean Annual Temp. °F 60		Baro. Press. -P _a 13.2		Connection AIR			
L 10215	H 10215	Gg 0.679	%CO ₂ 0.505	%N ₂ 0.402	%H ₂ S N/A	Prover N/A	Meter Run 4.026	Taps FLG			
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	Press. p.s.i.g.	Temp. °F	Duration of Flow	
1	4.026 X 2.000		290	2	68	2800	N/A	PKR	N/A	1 HR	
2	4.026 X 2.000		440	6	68	2380				1 HR	
3	4.026 X 2.000		430	16	70	2050				1 HR	
4	4.026 X 2.000		360	29	70	1850				1 HR	
5											
RATE OF FLOW CALCULATIONS											
No.	COEFFICIENT (24 Hour)		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	19.81		24.6	303.2	0.9924	1.214	1.055	619			
2	19.81		52.1	453.2	0.9924	1.214	1.055	1311			
3	19.81		84.2	443.2	0.9905	1.214	1.055	2116			
4	19.81		104	373.2	0.9905	1.214	1.055	2613			
5											
No.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio N/A			Mcf bbl.			
1	0.78	528	1.38	0.895	A.P. I. Gravity of Liquid Hydrocarbons			Deg.			
2	0.78	528	1.38	0.895	Specific Gravity Separator Gas 0.679			XXXXXX			
3	0.78	530	1.39	0.898	Specific Gravity Flowing Fluid XXXXXX						
4	0.78	530	1.39	0.898	Critical Pressure 672			P.S.I.A.			P.S.I.A.
5					Critical Temperature 381			R.			R.
P _c		3013.2		P _{c2}		9079.4					
No.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $P_c^2 = 1.68$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.647$						
1	7914.1	2815.3	7926	1153.4							
2	5727.4	2404	5779.1	3300.3							
3	4256.8	2095.2	4389.8	4689.6							
4	3471.5	1916.9	3674.5	5405.9							
5											
Absolute Open Flow 4.303					Mcf/d @ 15.025		Angle of Slope (°) 46.4		Slope n: 0.9618		
Remarks:											
Approved By Division:				Conducted By: PRO WELL TESTING				Calculated By: MB			
								Checked By: BM			