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appropriate district office.
See Rule 401 & Rule 1122

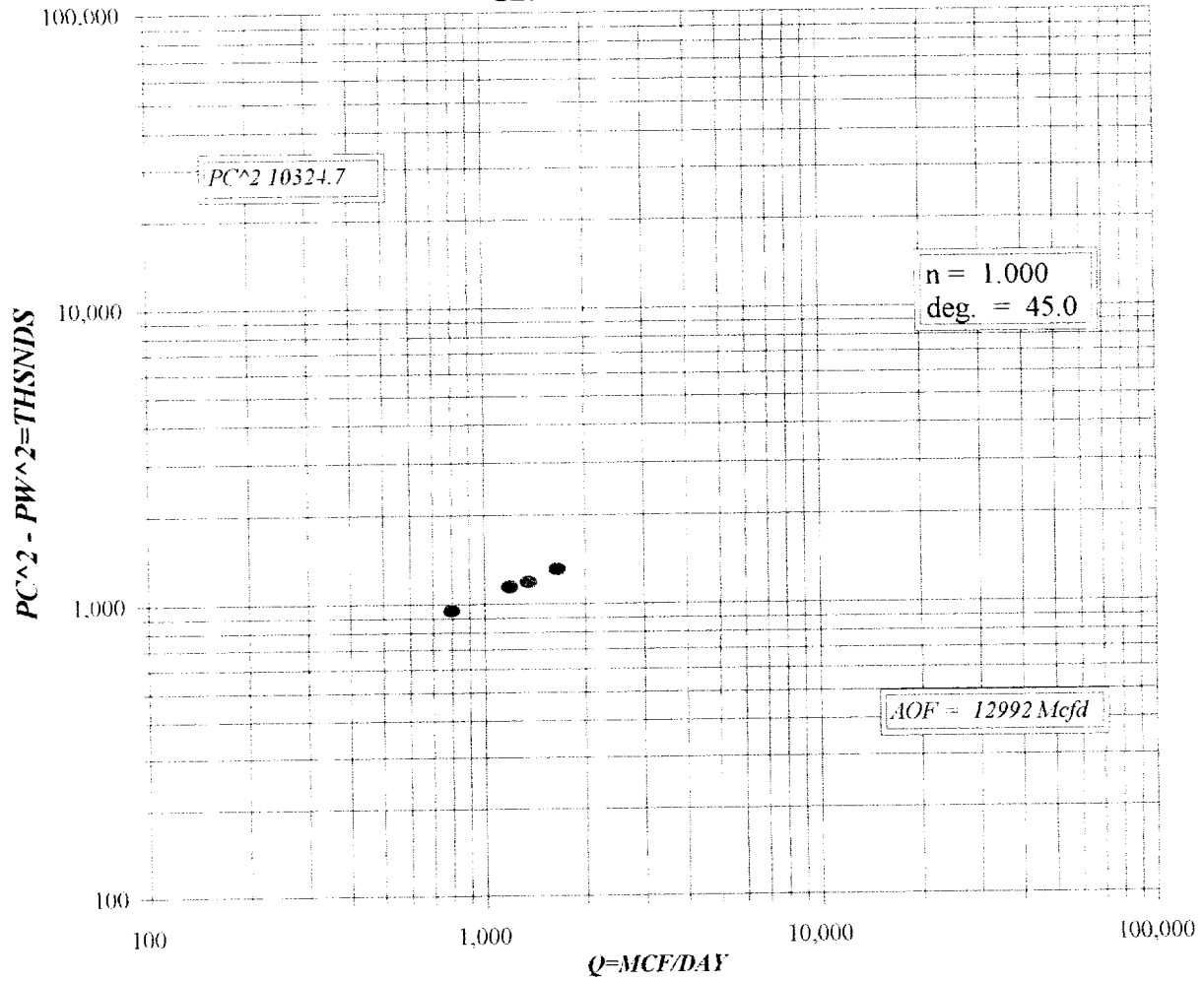
State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Form C-122
Revised October, 1999

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS

Operator LOUIS DREFUS NATURAL GAS					Lease or Unit Name GERNIMO #27" STATE				
Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 10/13/00		Well No. 1		
Completion Date		Total Depth		Plug Back TD 10115		Elevation		Unit Ltr - Sec - TWP - Rge	
Csg. Size 5 1/2	Wt. 17	d 4.892	Set At 10115		Perforations: From: 9949 To: 9957		County EDDY		
Tbg. Size 2 3/8	Wt. 4.7	d 1.995	Set At 9851		Perforations: From: To:		Pool <i>Empire Penn</i>		
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE					Packer Set At 9851		Formation <i>ATOKA</i>		
Producing Thru TUBING		Reservoir Temp. °F 173.6		Mean Annual Temp. °F 60		Baro. Press. P _a 13.2		Connection SALES	
I. 9958	II. 9958	Gg 0.646	%CO ₂ 1.38	%N ₂ 1.627	%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
SI						3200	N/A	PKR	N/A
1	4.026 X 1.625		460	5.9	67	3045			1 HR
2	4.026 X 1.625		465	11.1	65	3010			1 HR
3	4.026 X 1.625		465	14.8	66	3000			1 HR
4	4.026 X 1.625		468	20.2	62	2975			1 HR
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									802
2			VOLUMES	MEASURED	BY	TOTAL	FLOW METER		1192
3									1361
4									1651
5									
No.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio N/A Mcf bbl.				
1					A.P. I. Gravity of Liquid Hydrocarbons N/A Deg.				
2	TOTAL	FLOW	METER		Specific Gravity Separator Gas 0.646 XXXXXXXX				
3					Specific Gravity Flowing Fluid N/A XXXXX				
4					Critical Pressure 673 P.S.I.A. P.S.I.A.				
5					Critical Temperature 368 R. R.				
P _c 3213.2 P _{c2} 10324.7									
No.	P _r ²	P _w	P _w ²	P _c ² - P _w ²	(1) $P_c^2 = 7.896$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 7.896$				
1	9352.6	3061.4	9372.4	952.3					
2	9139.7	3030.4	9183.3	1141.4					
3	9079.4	3022.6	9136.1	1188.5					
4	8229.3	3002.1	9012.7	1312					
5									
Absolute Open Flow 12992					Mcf/d @ 15.025		Angle of Slope (°): 45		Slope n: 1
Remarks: * NO MEASUREABLE LIQUID MADE DURING TEST.									
Approved By Division:			Conducted By: PRO WELL TESTING		Calculated By: MB		Checked By: BM		

LOUIS DREYFUS NATURAL GAS
GERNIMO "27" STATE # 1



n =	1.000	*
		*
Pc2/(Pc2-Pw2) =	10.842	*
	9.046	*
	8.687	*
	7.869	*
		*
		*
[Pc2/Pc2-Pw2]n =	10.842	*
	9.046	*
	8.687	*
	7.869	*
		*
AOF= Q	8.695	*
	10.783	*
	11.823	*
	12.992	*