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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 **30-025-24559**

Operator YATES PET.				Lease or Unit Name R.L.BURNS			
Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 1/7/04	Well No. 1
Completion Date		Total Depth		Plug Back TD 12140		Elevation	Unit Ltr - Sec - TWP - Rge 22-15-35 P-11-16-35
Csg. Size 5 1/2	Wt. 17	d 4.892	Set At	Perforations: From: 12004 To: 12050		County LEA	
Tbg. Size 2 7/8	Wt. 6.5	d 2.441	Set At 11700	Perforations: From: To:		Pool	
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE				Packer Set At 11700		Formation	
Producing Thru Tubing		Reservoir Temp. °F 187	Mean Annual Temp. °F 60	Baro. Press. - P _a 13.2		Connection SALES	
L 11700	H 11700	Gg 0.823	%CO ₂ 10.652	%N ₂ 1.389	%H ₂ S N/A	Prover N/A	Meter Run 4.026
Taps FLG							

FLOW DATA				TUBING DATA				CASING DATA				Duration of Flow
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						624	N/A	PKR	N/A			
1		4.026 X .625	81.2	29.2	97	95						
2												
3												
4												
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							
2							
3	TOTAL	FLOW	METER				
4							
5							

No.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Rate of Flow Q, Mcfd
1					N/A	
2					N/A	
3	TOTAL	FLOW	METER		0.823	XXXXXX
4					N/A	XXXXXX
5					622	P.S.I.A.
					411	R

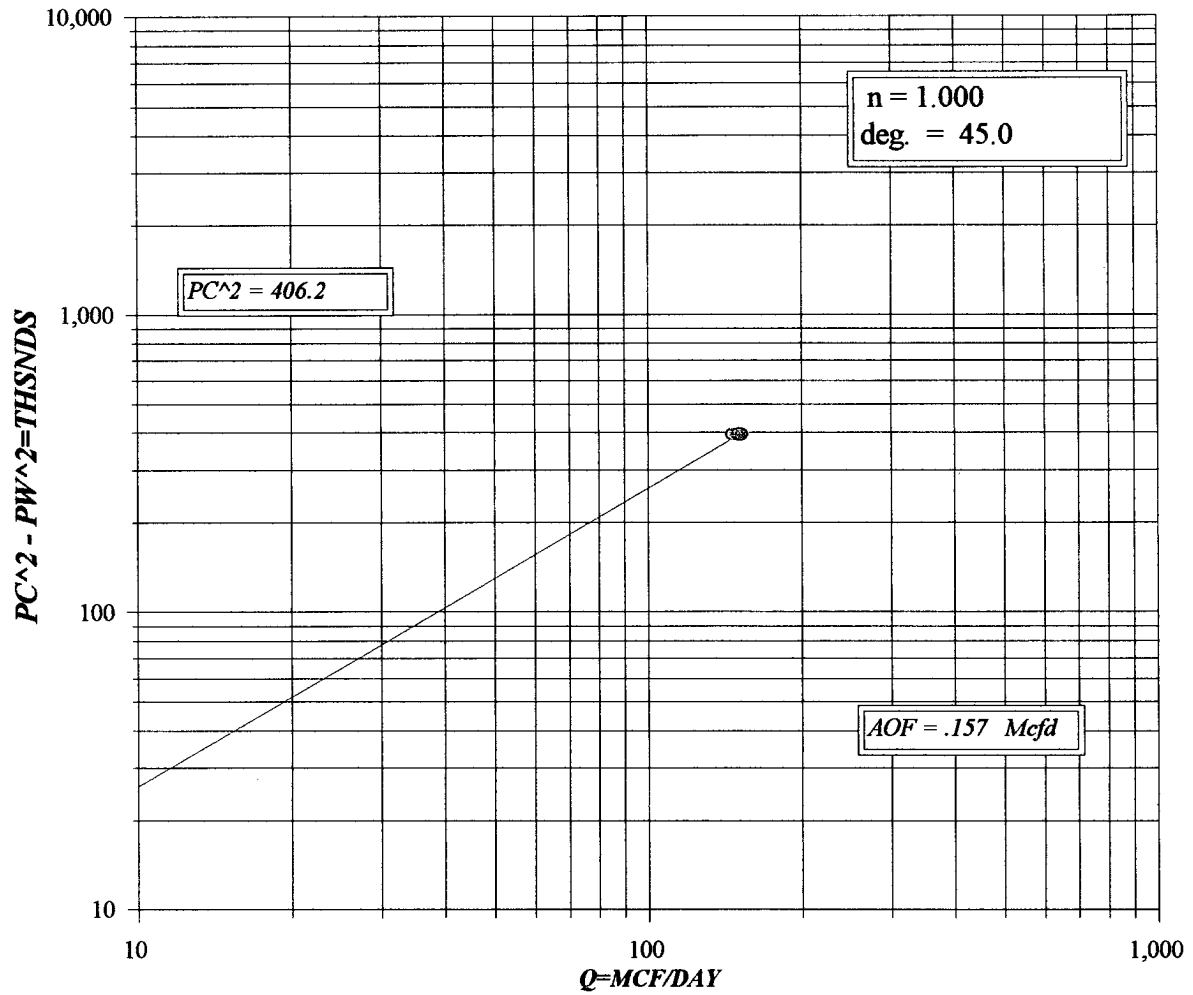
No.	P _c	P _w	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1	637.2	406.2	109.8	1.031	1.031
2			12.1		
3			394.1		
4					
5					

Absolute Open Flow		0.157	Mcf @ 15.025	Angle of Slope (°):	45	Slope n:	1
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Remarks: * NO LIQUID MADE DURING TEST.

Approved By: Division: <i>Paul J. [Signature]</i>	Conducted By: PRO WELL TESTING	Calculated By: MERV BUECKER	Checked By: MB
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YATES PET.
R.L. BURNS "ATL" #1



COMPANY : YATES PETR.		LEASE : R.L. BURNS		WELL NO. : 1		Pc = 637.2		Pc2 = 406.2	
UNIT : 22		SECTION : 22		TOWNSHIP : 15		Pt2 = 11.7		Pw = 109.8	
L : 11700		H : 11700		L/H : 1		DATE : 1/7/04		#DIV/0!	
%CO2 : 10.652		%N2 : 1.389		H2S : 8197.0		RANGE : 35		#DIV/0!	
d : 2.441		Fr : 0.010763		GH : 8197.0				#DIV/0!	
VOL 1 : 152		PSIA 1 : 108.2		RESV.TEMP : 187.0		Pc2-Pw2 = 394.1		Pw2 = 12.1	
VOL 2 :		PSIA 2 :		SHUT-IN PRE! = 624		#DIV/0!		#DIV/0!	
VOL 3 :		PSIA 3 :				#DIV/0!		#DIV/0!	
VOL 4 :		PSIA 4 :				#DIV/0!		#DIV/0!	
		PCR : 622				n = 1.000			
		TCR : 411				Pc2/(Pc2-Pw2) = 1.031			
LINE	RATE 1		RATE 2		RATE 3		RATE 4		
	1ST	2ND	1ST	2ND	1ST	2ND	1ST	2ND	
1 QM	0.152	0.152	0.000	0.000	0.000	0.000	0.000	0.000	
2 TW	534	534	534	534	534	534	534	534	
3 Ts	647.0	647.0	647.0	647.0	647.0	647.0	647.0	647.0	
4 T	590.5	590.5	590.5	590.5	590.5	590.5	590.5	590.5	
PR (est)	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5 Z(est)	0.956	0.953	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
6 TZ	564.6	562.6	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
7 GH/TZ	14.519	14.569	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
8 eS	1.724	1.727	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
9 l-e-S	0.420	0.421	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
10 Pt	108.2	108.2	0.0	0.0	0.0	0.0	0.0	0.0	
11 Pt2 /1000	11.7	11.7	0.0	0.0	0.0	0.0	0.0	0.0	
12 Fr	0.010763	0.010763	0.010763	0.010763	0.010763	0.010763	0.010763	0.010763	
13 Fc=FrTZ	6.076	6.056	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
14 FcQm	0.92	0.92	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
15 L/H(FcQm)2	0.9	0.8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
16 Fw	0.358154	0.3566412	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
17 Pw2	12.1	12.1	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
18 Ps2	20.8	20.8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
19 Ps	144.2	144.3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
20 P	126.2	126.3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
21 Pr	0.20	0.20	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
22 Tr	1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.44	
23 Z	0.953	0.953	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
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