

30-025-36487

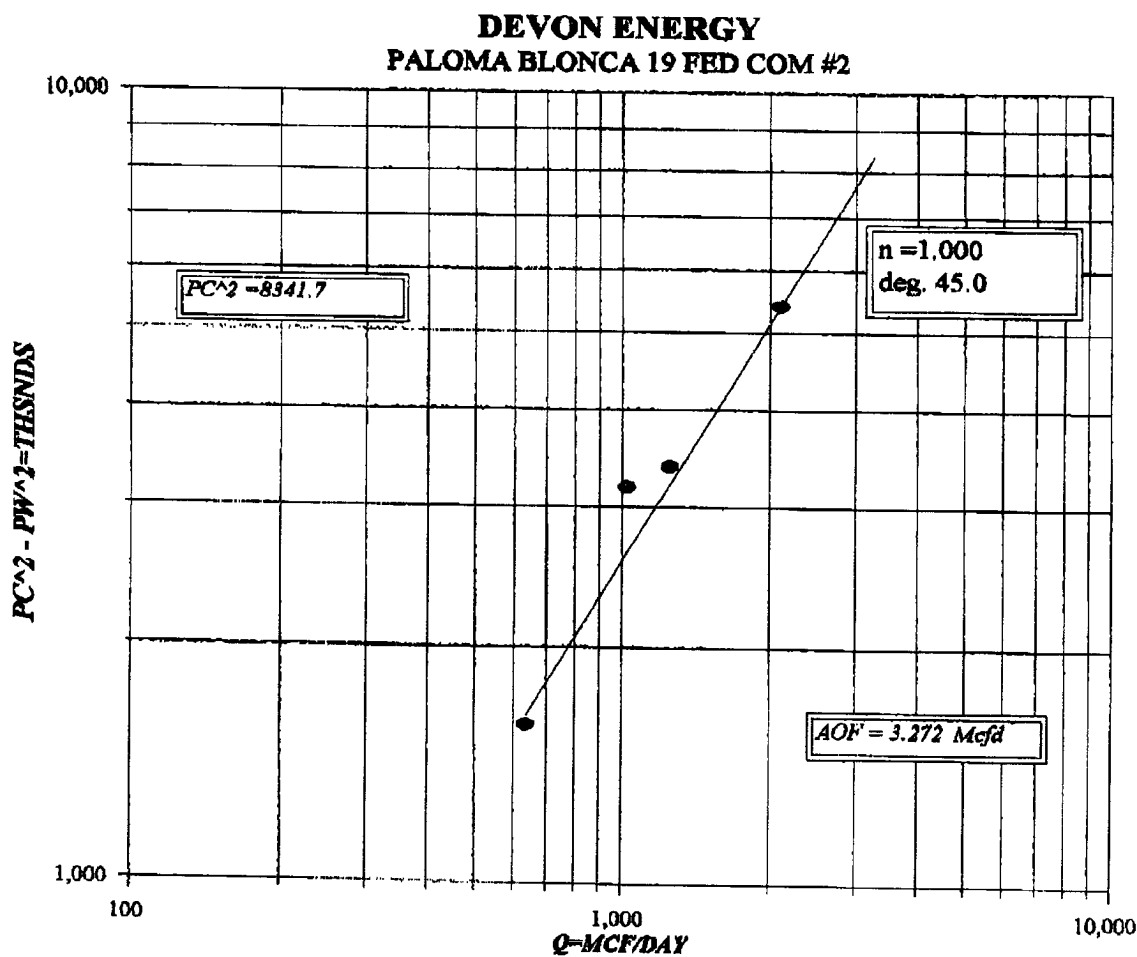
Submit in duplicate to
appropriate district office.
See Rule 401 & Rule 1122

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 DEVON ENERGY		Lease or Unit Name PALOMA BLANCO 19 FED COM	
Type Test ☐ Initial ☐ Annual ☐ Special		Test Date 10/27/2004	Well No. 2
Completion Date 5/26/2004	Total Depth 13700	Plug Back TD 13613	Elevation 3650 GL
Csg. Size 4 1/2	WT 13.5	d 3.92	Set At 13700
Tbg. Size 2 3/8	WT 4.7	d 1.995	Set At 13046
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE		Packer Set At 11958	Formation MORROW
Producing thru TUBING	Recovery Temp. 184	Index Annual Temp. 60	Baro. Press. P. 13.2
L. 13046	H. 13046	Gg 0.599	%CO ₂ 0.471
		%N ₂ 0.3	%H ₂ S 0.0
		Prover	Meter Run 4.026
			Taps FLG
FLOW DATA		TUBING DATA	
No.	Prover Line Size	Orifice Size	Press p.s.i.g.
SI			
1	4.026 X 1.375	424	6.4
2	4.026 X 1.375	435	16.1
3	4.026 X 1.375	436	24.3
4	4.026 X 1.375	450	66
5			
RATE OF FLOW CALCULATIONS			
No.	COEFFICIENT (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m
1			
2	TOTAL	FLOW	METER
3			
4			
5			
No.	P _r	Temp. R	T _r
1			
2			
3			N/A
4			
5			
P _o	2888.2	P _{o2}	8341.7
No.	P _i ²	P _w	P _w ²
1		2599.1	6755.1
2		2272.5	5764.5
3		2228.9	4967.9
4		1720.4	2959.9
5			
Gas Liquid Hydrocarbon Ratio _____ Mor bbl. A.P.I. Gravity of Liquid Hydrocarbons _____ Deg. Specific Gravity Separator Gas 0.599 XXXXXX Specific Gravity Flowing Fluid XXXXX Critical Pressure 672 P.S.I.A. 669 P.S.I.A. Critical Temperature 354 R. 388 R			
(1) $P_o^2 = \frac{P_o^2 - P_w^2}{P_o^2 - P_w^2} = 1.55$ (2) $\left[\frac{P_o^2}{P_o^2 - P_w^2} \right]^n = 1.55$ $AOF = Q \left[\frac{P_o^2}{P_o^2 - P_w^2} \right]^n = 3.272$			
Absolute Open Flow 3.272 Mcfd @ 15.025 Angle of Slope (°) 45 Slope, n: 1			
Remarks: * NO LIQUID MADE DURING TEST.			
Approved By: Division: <i>[Signature]</i>		Conducted By: PRO WELL TESTING	Calculated By: MERV BUECKER
			Checked By: BM





Laboratory Services, Inc.

2609 West Marland
Hobbs, New Mexico 88240

Telephone: (505) 397-3713

FOR: Devon Energy
P.O. Box 250
Artesia, New Mexico 88211-0250

SAMPLE: IDENTIFICATION Paloma Blanco Fed. #2
COMPANY: Devon Energy
LEASE:
PLANT:

SAMPLE DATA: DATE SAMPLED 10/27/04 12:00 pm
ANALYSIS DATE: 10/28/04
PRESSURE - PSIG 440
SAMPLE TEMP. °F 71
ATMOS. TEMP. °F 70

REMARKS:

GAS (XX) LIQUID ()
SAMPLED BY: Jim Rice / Pro Well
ANALYSIS BY: Vickie Biggs

COMPONENT ANALYSIS

COMPONENT	MOL PERCENT	GPM
Hydrogen Sulfide (H2S)		
Nitrogen (N2)	0.300	
Carbon Dioxide (CO2)	0.471	
Methane (C1)	94.244	
Ethane (C2)	3.422	0.813
Propane (C3)	0.868	0.230
i-Butane (IC4)	0.115	0.038
n-Butane (NC4)	0.155	0.048
i-Pentane (IC5)	0.047	0.017
n-Pentane (NC5)	0.042	0.016
Hexane Plus (C6+)	0.338	0.148
	100.000	1.417
BTU/CU.FT. - DRY	1063	
AT 14.650 DRY	1059	
AT 14.650 WET	1041	
AT 14.73 DRY	1065	
AT 14.73 WET	1047	
SPECIFIC GRAVITY -		
CALCULATED	0.598	
MEASURED		

MOLECULAR WT. 17.3517