

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

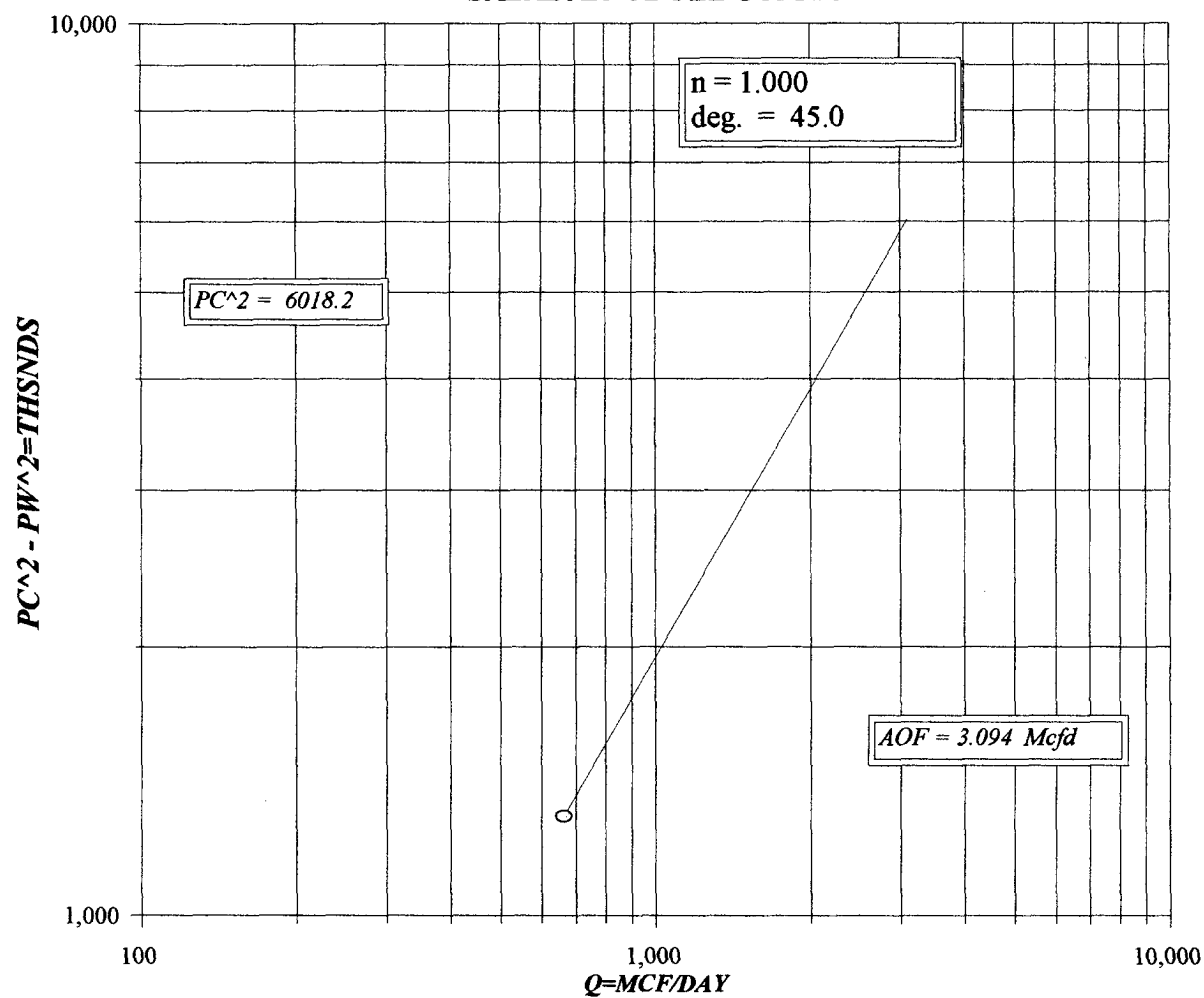
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20-015-33416

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator MEWBOURNE OIL				Lease or Unit Name SALADAR 32 FEE COM			
Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 9/27/2004		Well No. 1	
Completion Date 9/3/2004		Total Depth 11621		Plug Back TD 11361		Elevation 3198 GL	
Csg. Size 5 1/2		Wt. 17#		d 4.615		Set At 11621	
Tbg. Size 2 7/8		Wt. 6.5		d 2.441		Set At 10519	
Perforations: From: 11231 To: 11242				County EDDY			
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE				Packer Set At 10506		Formation MORROW	
Producing Thru TUBING		Reservoir Temp. 181		Mean Annual Temp. 60		Baro. Press.-P _a 13.2	
L 10506		H 10506		Gg 0.61		%CO ₂ 0.806	
				%N ₂ 0.27		%H ₂ S N/A	
				Prover N/A		Meter Run 3.067	
						Taps FLG	
FLOW DATA				TUBING DATA			
CASING DATA				Duration of Flow			
No.	Prover Line Size	Orifice Size	Press p.s.i.g.	Diff. h _w	Temp.	Press p.s.i.g.	Temp.
SI						2440	PKR
1	3.067 X 1.375		188	2	86	2160	"
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							665
2							
3	TOTAL	FLOW	METER				
4							
5							
No.	P _r	Temp. R	T _r	Z	Gas Liquid Hydrocarbon Ratio DRY GAS Mcf bbl.		
1					A.P. I. Gravity of Liquid Hydrocarbons DRY Deg.		
2	TOTAL	FLOW	METER		Specific Gravity Separator Gas .610 XXXXXXXX		
3					Specific Gravity Flowing Fluid XXXXXX N/A		
4					Critical Pressure 674 P.S.I.A. N/A P.S.I.A.		
5					Critical Temperature 358 R. N/A R		
P _c 2453.2 P _{c2} 6018.2							
No.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $P_c^2 = \frac{4.653}{P_c^2 - P_w^2}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4.653$		
1		2173.7	4724.8	1293.4			
2							
3							
4							
5					AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3.094$		
Absolute Open Flow 3.094 Mcfd @ 15.025				Angle of Slope (°) 45		Slope, n: 1.000	
Remarks: NO LIQUID MADE DURING TEST.							
Approved By Division:		Conducted By: PRO WELL TESTING		Calculated By: MERV BUECKER		Checked By: BM	

MEWBOURNE OIL
SALADAR "32" FEE COM #1



Pc2 = 6018.2

FILE 001012

$$P_w = 2173.7$$

#DIV/0!

#DIV/0!

#DIV/0!

$P_{w2} = 4724.8$

#DIV/0!

#DIV/0!

#DIV/0!

$n = 1,000$

11 = 1.000

$$P_{c2}/(P_{c2}-P_{w2}) = 4.653$$

#DIV/0!

#DIV/0!

#DIV/0!

[Pc2/Pc2-Pw2]_n = 4.653

#DIV/0!

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#DIV/0!

AOF= 0 3.094

#DIV/0!

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#D1070:

FORM C122-D