

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

JUL 30 1976
OIL CON. COM.
DIST. 3

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 7-2-76	
Company AMOCO PRODUCTION COMPANY				Connection El Paso Natural Gas Company		
Pool Blanco				Formation Mesaverde		Unit
Completion Date 6-25-76		Total Depth 5009'		Plug Back TD 4968'		Elevation 5816'
Farm or Lease Name E. E. Elliott "B"						
Csg. Size 7.0"	Wt. 20.0	d 6.456	Set At 2920'	Perforations: From 4170' To 4908'		Well No. 2A
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 4993'	Perforations: From Open To Ended		Unit Sec. Twp. Rge. 27 30 9
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		County San Juan
Producing Thru Tubing		Reservoir Temp. °F 90 @ TD		Mean Annual Temp. °F 95		Baro. Press. - P _a 12 psia
State New Mexico						
L 4539	H	Gg .650	% CO ₂	% N ₂	% H ₂ S	Prover
Meter Run		Taps				

FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice 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	7 days						549		549		
1.			.750	210			210		500	60	4 hrs.
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	12.365		222	1.000	.9608	1.020	2690
2							
3							
4							
5							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2					Specific Gravity Separator Gas _____ X X X X X X X X
3					Specific Gravity Flowing Fluid _____ X X X X X
4					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5					Critical Temperature _____ R _____ R

P _c 561	P _c ² 314721		
NO.	P _t ²	P _w	P _w ²
1		512	262144
2			
3			
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \underline{5.9859} \quad (2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{3.8269}$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{10,294}$$

Absolute Open Flow 10,294 Mcfd @ 15.025	Angle of Slope Θ _____	Slope, n .75
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Remarks: **4,500 10.5# liner set at 2707-5001'.**

Approved By Commission:	Conducted By:	Calculated By: T. M. Oliver	Checked By: W. R. Cordt11
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