

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

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 1-20-83	
Company El Paso Natural Gas Comp.				Connection El Paso Natural Gas Company	
Pool Blanco				Formation Mesa Verde	
Completion Date 1-13-83		Total Depth 5240		Plug Back TD 5120	
				Elevation 5945 GR	
Farm or Lease Name Crandell					
Csg. Size 7.000	Wt. 20	d 6.456	Set At 2677	Perforations: From *4501 To 4964	
Well No. #3					
Tqg. Size 2.375	Wt. 4.7	d 1.995	Set At 4946	Perforations: From To	
Unit C		Sec. 35		Twp. 31	
Rge. 12					
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G. G. Dual				Packer Set At 2525	
County San Juan					
Producing Thru TBG.		Reservoir Temp. °F @		Mean Annual Temp. °F	
				Baro. Press. - P _a 12	
State New Mexico					
L	H	G _g .680	% 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							860				7 Days
1.	.750			292		73	292				3 Hours
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		304	.9877	.9393	1.028	3585
2.							
3.							
4.							
5.							

NO.	P _r	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 _____
3.					Specific Gravity Flowing Fluid _____
4.					Critical Pressure _____ P.S.I.A.
5.					Critical Temperature _____ °R

P _c 872	P _c ² 760384	
NO.	P _w	P _w ²
1	582	338724
2.		
3.		
4.		
5.		

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{760384}{421660}$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 5579$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.5562$

Absolute Open Flow 5,579	Mcf/d @ 15.025	Angle of Slope @ _____	Slope, n .75
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Remarks: * 4.500" Liner 2516' - 5135'

Approved By Commission:	Conducted By: Bob Haire	Calculated By: Ed Mabe	Checked By:
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