

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 12-30-80			
Company El Paso Natural Gas Company				Connection El Paso Natural Gas Company					
Pool Basin				Formation Dakota				Unit	
Completion Date 12-23-80		Total Depth 7549		Plug Back TD 7533		Elevation 6743 GR		Farm or Lease Name Klein	
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 7549	Perforations: From 7166 To 7350		Well No. #28			
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 7322	Perforations: From To		Unit K		Sec. 33	Twp. 26
Type Well - Single - Brodenhead - G.G. or G.O. Multiple single						Packer Set At		County Rio Arriba	
Producing Thru Tbg.		Reservoir Temp. °F #		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L	H	G _g	% 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							2439		2496		7Days
1.											
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1							
2							
3							
4							
5							

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

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NO.	P _t ²	P _w ²	P _w ²	P _c ² - P _w ²
1				
2				
3				
4				
5				

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

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

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

Absolute Open Flow _____ Mcfd @ 15.025	Angle of Slope θ _____	Slope, n _____
Remarks: _____		

Approved By Division	Conducted By: Harrison Harvey	Calculated By: H. E. McAnally	Checked By:
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