

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 12-22-80			
Company El Paso Natural Gas Company				Connection El Paso Natural Gas Company					
Pool So. Blanco				Formation Pictured Cliff				Unit Lindrith	
Completion Date 12-15-80		Total Depth 3310		Plug Back TD 3283		Elevation 7153 GR		Farm or Lease Name Lindrith Unit	
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 3300	Perforations: From 3229 To 3267		Well No. #103			
Tbg. Size 1.660	Wt. 2.33	d 1.380	Set At 3243	Perforations: From To		Unit J	Sec. 21	Twp. 24	Rge. 3
Type Well - Single - Brodenhead - G.G. or G.O. Multiple Single						Packer Set At		County Rio Arriba	
Producing Thru Tbg.		Reservoir Temp. °F P		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L	H	Gg	% 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							974		975		7 Days
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 _t	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons	Deq.
2.					Specific Gravity Separator Gas	XXXXXX
3.					Specific Gravity Flowing Fluid	XXXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

NO.	P _t ²	P _w ²	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1						
2						
3						
4						
5						

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:
----------------------	----------------------------------	----------------------------------	-------------