

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL.

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 2-19-80				
Company El Paso Natural Gas Co.				Connection					
Pool Basin				Formation Dakota				Unit	
Completion Date 2-12-80		Total Depth 6740		Plug Back TD 6722		Elevation 6646		Farm or Lease Name Nageezi	
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 6740	Perforations From 6418 To 6646		Well No. 5			
Req. Size 2 3/8	Wt. 4.70	d 1.995	Set At 6624	Perforations From To		Unit Sec. Twp. Rge. E 12 25 9			
Type Well - Single - Bronthead - G.G. or G.O. Multiple Single					Packer Set At		County San Juan		
Producing Thru		Reservoir Temp. °F a		Mean Annual Temp. °F		Baro. Press. - P _a		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							931		1836		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 Ft.	Gravity Factor Fg	Super. Compres. Factor, F _{pv}	Rate of Flow Q, Mcfd
1							
2							
3							
4							
5							

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

NO.	P _t	P _w	P _c	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						

Absolute Open Flow		Mcfd @ 15.025		Angle of Slope	
--------------------	--	---------------	--	----------------	--

