

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 3-5-81			
Company El Paso Natural Gas Company						Connection Northwest Pipeline Corp.			
Pool Tapacito						Formation Pictured Cliffs		Unit San Juan 27-5	
Completion Date 2-19-81		Total Depth 6166		Plug Back TD 6148		Elevation 6676 GR		Farm or Lease Name San Juan 27-5 Unit	
Csq. Size 7.000	Wt. 20	d 6.456	Set At 3880	Perforations: From 3532 To 3604		Well No. #25A (PC)			
Thq. Size 1.660	Wt. 2.4	d 1.380	Set At 3596	Perforations: From To		Unit Sec. Twp. Rge. F 3 27 5			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G. G. Dual						Packer Set At 3709		County Rio Arriba	
Producing Thru Csg.		Reservoir Temp. °F β		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L	H	Gg 0.620	% 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							1055		1070		14 Days
1.	Choke		0.750	40		47	50				7 Hours
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	Rate of Flow Q, Mcfd
1	12.365		52	1.0127	0.9837	643
2.						
3.						
4.						
5.						

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/lbl.
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 1082 P _c ² 1170724		(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0033$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0028$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	
1		62	3844	1166880	
2					
3					
4					
5					

Absolute Open Flow _____ 645 _____ Mcfd @ 15.025		Angle of Slope θ _____		Slope, n _____ 0.85 _____	
Remarks: _____ Vented 140 MCF Gas During The Test _____					

Approved By Division	Conducted By: Mark Manson	Calculated By: H. E. McAnally	Checked By:
----------------------	------------------------------	----------------------------------	-------------