

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 2-12-81				
Company El Paso Natural Gas Company				Connection Northwest Pipeline Corp.					
Pool Tapacito				Formation Pictured Cliff				Unit San Juan 27-5	
Completion Date 1-27-81		Total Depth 5966		Plug Back TD 5949		Elevation 6540 GR		Farm or Lease Name San Juan 27-5 Unit	
Csg. Size 7.000	Wt. 20	d 6.456	Set At 3709	Perforations: From 3376 To 3442		Well No. #52A			
Tng. Size 1.660	Wt. 2.33	d 1.380	Set At 3419	Perforations: From To		Unit Soc. Twp. Rye E 4 27 5			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G. G. Dual					Packer Set At 3603		County Rio Arriba		
Producing Thru Csg.		Reservoir Temp. °F P		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L	H	Gg 0.625	% 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							1038		1038		16 Days
1.	Chaoke	0.750		58		58	62				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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		70	1.0019	0.9798	1.007	856
2.							
3.							
4.							
5.							

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

NO.	P _t ²	P _w	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		74	5476	1097024	1.0050	1.0042
2						
3						
4						
5						

Absolute Open Flow _____ 860 _____ Mcfd @ 15.025				Angle of Slope θ _____		Slope, n _____ 0.85	
Remarks: _____ Vented 249 MCF Gas During The Test/							
Approved by Division		Conducted By: Melvin Wileman		Calculated By: H. E. McAnally		Checked By:	