

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 1-13-82	
Company El Paso Natural Gas Company			Connection Northwest Pipeline Corp.		
Pool S. Blanco			Formation Pictured Cliffs		Unit
Completion Date 12-30-81		Total Depth 5991	Plug Back TD 5975	Elevation 6548 GR	Farm or Lease Name San Juan 28-6 Unit
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 5991	Perforations: From 3335 To 3414	Well No. #29A
Tub. Size 1.660	Wt. 2.3	d 1.380	Set At 3405	Perforations: From To	Unit Sec. Twp. Rge. P 27 28 6
Type Well - Single - Bradenhead - G.C. or G.O. Multiple G. G. Dual				Packer Set At 3499	County Rio Arriba
Producing Thru Csg.	Reservoir Temp. °F @	Mean Annual Temp. °F	Baro. Press. - P _a 12	State New Mexico	
L	H	G _g .680	% 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							1045		1035		14 Days
1.		.750		200		54			200		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 Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		212	1.0058	.9393	1.026	2541
2.							
3.							
4.							
5.							

NO.	P _r	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 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 1057	P _c ² 1117249	
NO.	P _r	P _w
1	213	45369
2		
3		
4		
5		

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{1117249}{1071880}$$

$$ACF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2632$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0359$$

Absolute Open Flow	2632	Mcf/d @ 15.025	Angle of Slope →	Slope, n .85
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Remarks:	Gas Vented During Test = 409 MCF
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Approved By Commission:	Conducted By: Gary Gonzales	Calculated By: Ed Mabe	Checked By:
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