

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

CORRECTED COPY WELL NUMBER

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 11-15-82	
Company El Paso Natural Gas Company				Connection Northwest Pipeline Corp.		
Pool Basin				Formation Dakota		Unit
Completion Date 11-08-82		Total Depth 7934		Plug Back TD 7925		Elevation 6688 Gr
Farm or Lease Name San Juan 27-5 Unit		Well No. #96E				
Csg. Size 9.625	Wt. 40	d 8.835	Set At 3824	Perforations: From *7744 To 7924		Unit H
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 7847	Perforations: From To		Sec. 15 Twp. 27 Rge. 5
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G. G. Dual				Packer Set At 6112		County Rio Arriba
Producing Thru Tbg.		Reservoir Temp. *F @		Mean Annual Temp. *F		State New Mexico
L	H	Gg .700	% 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							2375				7 Days
1.			.750	156		68	156				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 Fg	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		168	.9924	.9258	1.019	1945
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	XXXXXX
3.					Specific Gravity Flowing Fluid	XXXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

P _c 2387 P _c ² 5697769			
NO.	P _w	P _w ²	P _c ² - P _w ²
1	372	138384	5559385
2.			
3.			
4.			
5.			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{5697769}{5559385}$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1981$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0186$$

Absolute Open Flow 1981 Mcfd @ 15.025		Angle of Slope θ	Slope, n .75
Remarks: *7.000" Liner - 3691' - 6270' CORRECTED COPY			
*4.500" Liner - 6152' - 7933' WELL NUMBER CORRECTED			

Approved By Commission:	Conducted By: Harold Cloer	Calculated By: Ed Mabe	Checked By:
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