

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 11-02-82	
Company El Paso Natural Gas Company				Connection Northwest Pipe Corp.	
Pool Blanco				Formation Pictured Cliffs	
Completion Date 10-19-82		Total Depth 5786		Plug Back TD 5766	
Elevation 6358 GR		Farm or Lease Name San Juan 28-6 Unit			
Csg. Size 7.000	Wt. 20	d 6.456	Set At 3481	Perforations: From *3147 To 3232	
Tbg. Size 1.600	Wt. 2.3	d 1.380	Set At 3213	Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G. G. Dual				Packer Set At 3318	
Producing Thru Csg.		Reservoir Temp. °F @		Baro. Press. - P _a 12	
L		H		County Rio Arriba	
Gg .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							1010		1010		14 Days
1.			.750	235		59	247		235		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		247	1.0010	.9393	1.025	2943
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	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
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 1022	P _c ² 1044484					
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1044484}{977403}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0580$
1		259	67081	977403		
2						
3						
4						
5						

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3114$			
Absolute Open Flow 3114 Mcfd @ 15.025		Angle of Slope @ _____ Slope, n .85	
Remarks: * 4.500" Liner - 3308' - 5785 Gas Vented During Test - 536 MCF			
Approved By Commission:		Conducted By: Mel Wileman	
Calculated By: Ed Mabe		Checked By:	