

**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 1-9-86	
Company EPNG			Connection		
Pool Basin			Formation Dakota		Unit
Completion Date 1-9-86		Total Depth 7555		Plug Back TD 7543	Elevation 6309 GR
Farm or Lease Name Pierce A					
Csg. Size 4.500	Wt. 105	d 4.052	Set At 7552	Perforations: From 7338 To 7361	
Tbg. Size 1.900	Wt. 2.9	a 1.610	Set At 7444	Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single			Packer Set At None		Well No. 4
Producing Thru TBG.		Reservoir Temp. °F @	Mean Annual Temp. °F	Baro. Press. - P _a	
Unit L		Sec. H	Twp. Gg	Rge. % CO ₂ % N ₂ % H ₂ S Prover Meter Run Taps	
County S J					
State NM					

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.	
SI							2093		2093	
1.										
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							
2							
3							
4							
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1										
2										
3										
4										
5										

NO.	P _i ²	P _w ²	P _r ²	P _c ² - P _w ²
1				
2				
3				
4				
5				

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

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

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

Absolute Open Flow _____ Mcfd @ 15.025	Angle of Slope @ _____	Slope, n _____
Remarks: _____		
Approved By Commission:	Conducted By: Bobbie Easterling	Calculated By: Scott H. Lindsay
		Checked By: