

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 11-12-79	
Company Southland Royalty Company		Connection Southern Union Gathering Company	
Pool Basin		Formation Dakota	
Completion Date 11-05-79		Total Depth 7755'	Plug Back TD 7715'
Elevation 6439' GR		Farm or Lease Name Grenier	
Csg. Size 7.625 5.500	Wt. 26.40# 15.5&17#	d 6.969 4.950	Set At 5230' 5072-7754'
Perforations: From 7504' To 7666'		Well No. 17-E	
Tbg. Size 2.375	Wt. 4.70#	d 1.995	Set At 7645'
Perforations: From --- To ----		Unit Sec. Twp. Rge. L 6 31N 11W	
Type Well - Single - Brodenhead - G.G. or G.O. Multiple Single		Packer Set At ---	
Producing Thru Tbg		Reservoir Temp. °F @	
Mean Annual Temp. °F @		Baro. Press. - P _a ---	
State New Mexico		County San Juan	
L	H	G _g	% 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.	
SI							735		1329	
1.	PITOT TUBE TESTED						1.5#		345	24 Hrs
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							752
2.							
3.							
4.							
5.							

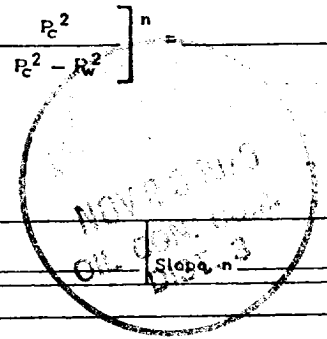
NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ X X X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

NO.	P _t ²	P _w	P _w 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 @ _____
Remarks: _____	
Approved By Commission:	Conducted By: Leroy Castleman
Calculated By: James Smith	Checked By: