

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

Form C-122
Revised 9-1-65

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special					Test Date 6-2-78				
Company Southland Royalty Company				Connection Southern Union Gathering Company					
Pool Blanco				Formation Mesa Verde				Unit	
Completion Date 5-20-78		Total Depth 5081'		Plug Back TD 5034'		Elevation 5963'		Farm or Lease Name East	
Chp. Size 7.000 4.500	Wt. 20# 10.50#	d 6.456 4.052	Set At 2685 2535-5081	Perforations: From 4705' To 4944'		Well No. #22A			
Fig. Size 2.375	Wt. 4.7#	d 1.9995	Set At 4902	Perforations: From To		Unit Sec. Twp. Rge. I 26-31N-12W			
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single					Packer Set At			County San Juan	
Producing Thru Tbg.		Reservoir Temp. °F p		Mean Annual Temp. °F		Baro. Press. - P _a 12.2		State New Mexico	
L	H	Gg .700	% CO ₂	% N ₂	% H ₂ S	Provor	Meter Run	Taps	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	Provor 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							1079		1079	
1.	2"	X	3/4"				279		838	1 hr
2.							272		778	2 hrs
3.							255		732	3 hrs
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 O, Mcfd
1	12.365		267.2	1.0000	.9258	1.0000	3,059
2.							
3.							
4.							
5.							

NO.	P _f	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

NO.	P ₁ ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.8696$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.5989$
1		744.2	553,834	636,883		
2						
3						
4						
5						

Absolute Open Flow <u>4,891</u>		Mcf/d @ 15.025		Angle of Slope θ _____		Slope, n <u>.75</u>	
Remarks: _____							
Approved by Commission		Conducted by Jim Bacon		Calculated by James Smith		Checked by: 	