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

Form C-122
Revised 9-1-65

Type Test: [X] Initial [ ] Annual [ ] Special			Test Date: 10/11/78		
Company: Southland Royalty Company		Connection: Southern Union Gathering			
Pool: Blanco		Formation: Pictured Cliffs		Unit:	
Completion Date: 9-28-78	Total Depth: 3052'	Plug Back TD: 3010'	Elevation: 6110'	Farm or Lease Name: Childers	
Csg. Size: 5.500 / Wt.: 15.50# / d: 4.950 / Set At: 3052'		Perforations: From 2846' To 2918'		Well No.: #2	
Tbg. Size: 1.900 / Wt.: 2.75# / d: 1.610 / Set At: 2927'		Perforations: From To		Unit: M / Sec.: 1 / Twp.: 31N / Rge.: 11W	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: G. G. Multiple		Packer Set At: 2801'		County: San Juan	
Producing Thru: Tubing	Reservoir Temp. °F:	Mean Annual Temp. °F:	Baro. Press. – P_a:	State: New Mexico	
L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps

FLOW DATA					TUBING DATA		CASING DATA		
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	Duration of Flow
SI					867				
1.	2" X 3/4"				139				1 Hour
2.					105				2 Hours
3.					88				3 Hours
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	Supercompress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.365		100.2	1.0000	.9258	1.0000	1147
2.							
3							
4.							
5.							

NO.	P_t	Temp. °R	T_r	Z
1				
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 879.2 P_c^2 772,993

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		100.2	10,040	762,953
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$ 1.0132 (3) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n =$ 1.0112

Absolute Open Flow 1160 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .85

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Rob Shindledecker	James W. Smith	