NEW MEXICO OIL CONSERVATION COMMSSION

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: 8-30-79	
Company: Southland Royalty Company	Connection: Gas Company of New Mexico			Unit
Pool: South Blanco	Formation: Pictured Cliffs			
Completion Date: 8-23-79	Total Depth: 3777'	Plug Back TD: 3742'	Elevation: 6965' GR	Farm or Lease Name: Arizona Jicarilla "B"
Csg. Size: 5.825 / 2.875 — Wt.: 24# / 6.5# — d: 8.071 / 2.441 — Set At: 144' / 3751'		Perforations: From 3577' To 3632		Well No.: 9
Tbg. Size: ------ — Wt.: ---- — d: ----- — Set At: ----		Perforations: From ---- To -----		Unit: E — Sec.: 10 — Twp.: 26N — Rge.: 5W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: ---		County: Rio Arriba
Producing Thru: Csg	Reservoir Temp. °F: 0	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							719		
1.							17" water		
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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1					PITOT TUBE GAUGED		486
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 _____ XXXXXXXXX
Specific Gravity Flowing Fluid _____ XXXXX
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c _____ P_c^2 _____

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1				
2				
3				
4				
5				

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

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

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

Absolute Open Flow _____ Mcfd @ 15.025 — Angle of Slope θ _____ — Slope n _____

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Donnie Thompson	James Smith	