STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS

RECEIVED
DEC 30 1981
OIL CON. COM.
DIST. 3

Type Test: [X] Initial [ ] Annual [ ] Special			Test Date: 12/18/81	
Company: Southland Royalty Company	Connection: Southern Union Gathering			Unit
Pool: Basin	Formation: Dakota			
Completion Date: 11-25-81	Total Depth: 6255'	Plug Back TD: 6212'	Elevation: 5478' GL	Farm or Lease Name: Mangum "B" Com
Csg. Size: 4.500 / Wt.: 10.5# / d: 4.052 / Set At: 6255'		Perforations: From ____ To ____		Well No.: 1-E
Tbg. Size: 2.375 / Wt.: 4.7# / d: 1.995 / Set At: 6114'		Perforations: From 5983' To 6120'		Unit: M / Sec.: 32 / Twp.: 29N / Rge.: 11W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: ----		County: San Juan
Producing Thru: Tubing	Reservoir Temp. °F: 0	Mean Annual Temp. °F:	Baro. Press. – P_a: 12.2	State: New Mexico
L:	H:	Gg: .700	% 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	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI					1316		1441		
1.	PITOT TUBE				3#		251#		72 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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1							1065
2.							
3.							
4.							
5.							

NO.	P_r	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 _____ 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 Division	Conducted By:	Calculated By:	Checked By:
	Tom Wagner	James Smith	L. O. Van Ryan