STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

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 WELL

RECEIVED
DEC 20 1982
OIL CON. DIV.
DIST. 3

Type Test: [X] Initial [ ] Annual [ ] Special					Test Date: 12-14-82
Company: Southland Royalty Company			Connection: El Paso Natural Gas Company		Unit
Pool: Blanco			Formation: Mesaverde		
Completion Date: 11-18-82	Total Depth: 5984'		Plug Back TD: 5901'	Elevation: 6543' KB	Farm or Lease Name: Rattlesnake Canyon
Csg. Size: 7.000 / 4.500	Wt.: 20# / 10.5#	d: 6.456 / 4.052	Set At: 3724'	Perforations: From 3567'-5949' To	Well No.: 2
Tbg. Size: 2.375	Wt.: 4.7#	d: 1.995	Set At: 5842.91'	Perforations: From 5500' To 5868'	Unit: F Sec.: 32 Twp.: 32N Rge.: 8W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single			Packer Set At: ----		County: San Juan
Producing Thru: Tubing	Reservoir Temp. °F: @	Mean Annual Temp. °F	Baro. Press. – P_a: 12.2		State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
		.700						

	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						1098		1121		
1.	2"	X 3/4"				314		804		1 hr
2.						279		721		2 hrs
3.						251		682		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, Fpv	Rate of Flow Q, Mcfd
1	12.365		263.2	1.000	.9258	1.0004	3013
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 _____ XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 1133.2 P_c^2 1284142.2

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		694.2	481913.6	802228.6
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.6007$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.4231$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 4288$

Absolute Open Flow 4288 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: _____

Approved By Division	Conducted By:	Calculated By:	Checked By:
	Steve McCament	James Smith	R. E. Fielder