OIL CONSERVATION DIVISION

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 WELL

RECEIVED
MAR 18 1985
OIL CON. DIV.
DIST. 3

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 3-19-84	
Company: Southland Royalty Company			Connection: El Paso Natural Gas Comapny		Unit
Pool: East Blanco			Formation: Pictured Cliffs		
Completion Date: 2-18-84	Total Depth: 4480'		Plug Back TD: 4456'	Elevation: 7442' GL	Farm or Lease Name: Bixler Ranch
Csg. Size: 4.500 / Wt.: 10.50# / d: 4.052 / Set At: 4476'			Perforations: From To		Well No.: 2
Tbg. Size: 2.375 / Wt.: 4.70# / d: 1.995 / Set At: 4354'			Perforations: From 4144' To 4410		Unit: M / Sec.: 26 / Twp.: 30N / Rge.: 4W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single			Packer Set At: ---		County: Rio Arriba
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						987		991		
1.	2"	X 3/4"				75		181		1 hr
2.						59		137		2 hrs
3.						50		116		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		62.2	1.0000	.9258	1.0000	712
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 1003.2 P_c^2 1006410.2

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		128.2	16435.2	989975.0
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.017$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.014$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 722$

Absolute Open Flow 722 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .85

Remarks: _____

Approved By Division	Conducted By:	Calculated By:	Checked By:
	Mike Neiss	James W. Smith	R. E. Fielder