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

Type Test: [X] Initial [ ] Annual [ ] Special			Test Date: 9-24-80	
Company: Southland Royalty Company		Connection: Southern Union Gathering		
Pool: Basin		Formation: Dakota		Unit
Completion Date: 9-24-80	Total Depth: 7566'	Plug Back TD: 7536'	Elevation: 6269' GR	Farm or Lease Name: Patterson "A" Com
Csg. Size: 7.000 / 4.500	Wt.: 23# / 10.5 & 11.6#	d: 6.366 / 4.052	Set At: 5000' / 4692'-7563'	Perforations: From ____ To ____
Well No.: #1E				
Tbg. Size: 2.375	Wt.: 4.7#	d: 1.995	Set At: 7479'	Perforations: From 7281' To 7506'
Unit: G	Sec.: 2	Twp.: 31N	Rge.: 12W	
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					1422		1381		
1.	2" X 1.995				1 ½ Oz.		160		72 hours.
2.					------PITOT------				
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							190
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_t	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

RECEIVED
OCT 15 1980
OIL CON. COM.
DIST. 3

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:
	Dick Irvin	James Smith	L. O. Van Ryan