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

Type Test: [X] Initial [ ] Annual [ ] Special			Test Date: 10-27-81	
Company: SUPRON ENERGY CORPORATION		Connection: Southern Union Gathering Company		
Pool: Basin		Formation: Dakota		Unit
Completion Date: 9-22-81	Total Depth: 7024	Plug Back TD: 7005	Elevation: 6010	Farm or Lease Name: Taliaferro
Csg. Size: 4.500 / Wt.: 10.50 / d: 4.052 / Set At: 7024		Perforations: From 6793 To 6966		Well No.: 2-F
Tbg. Size: 2.375 / Wt.: 4.70 / d: 1.995 / Set At: 6794		Perforations: From NO PERFORATIONS To		Unit: C / Sec.: 31 / Twp.: 31N / Rge.: 12W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Dual - Gas - Gas		Packer Set At: 6756		County: San Juan
Producing Thru: Tubing	Reservoir Temp. °F:	Mean Annual Temp. °F:	Baro. Press. – P_a: 12	State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
6784		0.700						

	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	2"	3/4"				518				7 days
1.						35	67°			3 hours
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	12.3650		47	0.9933	0.9258	1.000	534
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 _____ XXXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 530 P_c^2 280,900

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1			9569	271,331
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0353$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0263$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 548$

Absolute Open Flow 548 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n 0.75

Remarks: _____

Approved By Division	Conducted By:	Calculated By:	Checked By:
	Mike Smith	Kenneth E. Roddy	