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: 10-2-79	
Company: SUPRON ENERGY CORPORATION		Connection: Southern Union Gathering Company			
Pool: Blanco		Formation: Mesaverde		Unit	
Completion Date: 9-24-79	Total Depth: 4870	Plug Back TD: 4824	Elevation: 5793 R.K.B.	Farm or Lease Name: Wright State Com.	
Csg. Size: 4.500 / Wt.: 9.50 / d: 4.090 / Set At: 4865		Perforations: From 4450 To 4716		Well No.: 1-A	
Tbg. Size: 2.375 / Wt.: 4.70 / d: 1.995 / Set At: 4592		Perforations: From No Perforations To		Unit: P / Sec.: 36 / Twp.: 32N / Rge.: 13W	
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	State: New Mexico	
L: 4583	H	Gg: 0.650	% 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	2"	3/4"				935		935		7 days
1.						210	72°	575		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		222	0.9887	0.9608	1.022	2665
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 947 P_c^2 896,809

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		587	344,569	552,240
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.6239$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.4385$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3834$

Absolute Open Flow 3834 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n 0.75

Remarks: _____

Approved By Division	Conducted By:	Calculated By:	Checked By:
	Floyd Woodward	Kenneth E. Reddy	