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: 2-10-81	
Company: SUPRON ENERGY CORPORATION		Connection: Southern Union Gathering Company		
Pool: Blanco		Formation: Mesaverde		Unit
Completion Date: 1-16-81	Total Depth: 8039	Plug Back TD: 8024	Elevation: 6471	Farm or Lease Name: Quinn
Csg. Size: 7.625 / 5.500 — Wt.: 26.40 / 15.50 — d: 6.969 / 4.950 — Set At: 3613 / 3480-8039			Perforations: From 5232 To 5679	Well No.: 5-A
Tbg. Size: 2.375 — Wt.: 4.70 — d: 1.995 — Set At: 5677			Perforations: From No Perforations To	Unit: E — Sec.: 18 — Twp.: 31N — 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	State: New Mexico
L: 5667	H	Gg: 0.700	% 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"				661		661		7 days
1.						235	49°	498		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		247	1.0108	0.9258	1.032	2950
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

RECEIVED
FEB 11 1981
OIL CON. COM.
DIST. 3

P_c 673 P_c^2 452,929

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1		510	260,100	192,829
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.3489$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.8973$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 5597$

Absolute Open Flow 5597 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n 0.75

Remarks: _____

Approved By Division	Conducted By: Phil Collard	Calculated By: Kenneth E. Roddy	Checked By: