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: 11-7-80	
Company: SUPRON ENERGY CORPORATION		Connection: Southern Union Gathering Company		
Pool: Basin		Formation: Dakota		Unit
Completion Date: 10-8-79	Total Depth: 8100	Plug Back TD: 8050	Elevation: 6555	Farm or Lease Name: Quinn
Csg. Size: 7.625 / 5.500 — Wt.: 26.40 / 15.50 — d: 6.969 / 4.950 — Set At: 3740 / 3585-8085		Perforations: From 7946 To 8035		Well No.: 7-A
Tbg. Size: 2.0625 — Wt.: 3.25 — d: 1.750 — Set At: 7981		Perforations: From No Perforations To		Unit: P — Sec.: 17 — Twp.: 31N — Rge.: 8W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Dual - Gas - Gas		Packer Set At: 7866		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
7971		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"				1048				7 days
1.						21	57°			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		33	1.0029	0.9258	1.000	379
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 1060 P_c^2 1,123,600

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1			9498	1,114,102
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0085$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0063$

$AOF = Q\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 381$

Absolute Open Flow 381 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n 0.75

Remarks: _____

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