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: 11/24/81	
Company: Supron Energy Corp.		Connection: Southern Union Gathering Co.			
Pool: Basin		Formation: Dakota		Unit	
Completion Date: 10/24/81	Total Depth: 6956	Plug Back TD: 6904	Elevation: 5938	Farm or Lease Name: Taliaferro	
Csg. Size: 4.500 / Wt.: 10.50 / d: 4.052 / Set At: 6944		Perforations: From 6772 To 6862		Well No.: 3-E	
Tbg. Size: 2.375 / Wt.: 4.70 / d: 1.995 / Set At: 6772		Perforations: No Perforations From To		Unit: O / Sec.: 31 / Twp.: 31N / Rge.: 12W	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Dual - Gas - Gas		Packer Set At: 6734		County: San Juan	
Producing Thru: Tubing	Reservoir Temp. °F: a	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
6762		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"				1582				7 Days
1.						217	74°			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		229	0.9868	0.9258	1.024	2649
2.							
3.							
4.							
5.							

NO.	P_r	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 1594 P_c^2 2,540,836

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1			82,882	2,457,954
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0337$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0251$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n =$ 2715

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DEC 28 1981

Absolute Open Flow 2715 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n 0.75

Remarks: _____

Approved By Division	Conducted By:	Calculated By:	Checked By:
	Mike Smith	Ken Roddy	