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: 12/16/80	
Company: Supron Energy Corp.		Connection:			
Pool: Ballard		Formation: Pictured Cliffs		Unit:	
Completion Date: 12/8/80	Total Depth: 2500	Plug Back TD:	Elevation: 6686 G	Farm or Lease Name: Hodges	
Csg. Size: 2.875 / Wt.: 6.5 / d: 2.441 / Set At: 2492		Perforations: From 2396 To 2462		Well No.: 21	
Tbg. Size: None / Wt. / d / Set At		Perforations: From To		Unit: A / Sec.: 34 / Twp.: 26N / Rge.: 8W	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At:		County: San Juan	
Producing Thru: Casing	Reservoir Temp. °F:	Mean Annual Temp. °F:	Baro. Press. – P_a:	State: New Mexico	

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
		est. .650						

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											
1.			.750	47		58			532		8 Days
2.									47		3 Hrs.
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	12.365		59	1.0019	.9608	1.0000	702
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 _____ XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 544 P_c^2 295936

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1	3481	71	5106	290830
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0176$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0149$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 712$

Absolute Open Flow 712 Mcfd @ 15.025 Angle of Slope <> _____ Slope, n .85

Remarks: _____

Approved By Division _____ Conducted By _____