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: 3/13/81	
Company: Supron Energy Corp. (Hill)		Connection:		
Pool: Basin		Formation: Dakota		Unit:
Completion Date: 3/4/81	Total Depth: 7000	Plug Back TD:	Elevation:	Farm or Lease Name: Newsom B
Csg. Size: 4.50 / Wt.: 10.50 / d: 4.052	Set At: 6999	Perforations: From 6593 To 6738		Well No.: 10 E
Tbg. Size: 1.900 / Wt.: 2.90 / d: 1.610	Set At: 6610	Perforations: From To		Unit: P / Sec. / Twp. / Rge.: P-8-26N-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:	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	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI					1498		1498		9 days
1.	.750	119		61	119	61	635		3 Hrs.
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	12.365		131	.9990	.9608	1.0000	1555
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_f	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 1510 P_c^2 2280100

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1	17161	439	192733	2087367
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0923$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0685$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1661$

Absolute Open Flow 1661 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: Produced fog of distillate and water throughout test.

Approved by Division	Conducted By:	Calculated By:	Checked By:
	CRW		