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: 2/7/81	
Company: Supron Energy Corp. (Hill)			Connection:		
Pool: Blanco			Formation: Mesaverde		Unit:
Completion Date: 1/15/81	Total Depth: 7071		Plug Back TD:	Elevation: 6030 GL	Farm or Lease Name: Taliaferro
Csg. Size: 5.500 / Wt.: 20.00 / d: 4.778 / Set At: 7040			Perforations: From 4717 To 4930		Well No.: 4E
Tbg. Size: 1.660 / Wt.: 2.40 / d: 1.380 / Set At: 4680			Perforations: From To		Unit: C / Sec.: 29 / Twp.: 31N / Rge.: 12W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: G - G multiple			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: est. .650	% CO_2	% 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							1007				23 days
1.			.750	78		43	78	43			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		90	1.0168	.9608	1.0000	1087
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 _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

RECEIVED
FEB 13 1981
OIL CON. COM.
DIST. 3

P_c 1019 P_c^2 1038361

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1	8100	387	149908	888453
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1687$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.1240$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1222$

Absolute Open Flow 1222 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: Very light fog of condensate and water throughout test.

Approved By Division	Conducted By:	Calculated By:	Checked By: