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: 1/31/81	
Company: Supron Energy Corp. (Hill)			Connection:		
Pool: Blanco			Formation: Mesaverde		Unit:
Completion Date: 1/14/81	Total Depth: 5036		Plug Back TD:	Elevation: 5985 GL	Farm or Lease Name: Taliaferro
Csg. Size: 4.500 / Wt.: 10.50 / d: 4.052 / Set At: 5017			Perforations: From 4677 To 4906		Well No.: 6
Tbg. Size: 2.375 / Wt.: 4.70 / d: 1.995 / Set At: 4687			Perforations: From To		Unit: A / Sec.: 30 / Twp.: 31N / Rge.: 12W
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: 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	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI						1022		1022		17 days
1.		.7500	253		54	253	54	584		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		265	1.0058	.9608	1.0000	3167
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 1034 P_c^2 1069156

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1	70225	497	246662	822494
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2999$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.2174$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3855$

Absolute Open Flow 3855 Mcfd @ 15.025 Angle of Slope ⊖ _____ Slope, n .75

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

Approved By Division | Conducted By | Calculated By | Checked By