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: 1/7/81	
Company: Supron Energy Corp. % John H. Hill			Connection:		
Pool: Ballard			Formation: Pictured Cliffs		Unit:
Completion Date: 12/19/80	Total Depth: 2600		Plug Back TD: 2567	Elevation: 6475 G	Farm or Lease Name: Hodges
Csg. Size: 2.875 / Wt.: 6.4 / d: 2.441 / Set At: 2567			Perforations: From 2286 To 2318		Well No.: 19
Tbg. Size: None / Wt. / d / Set At			Perforations: From To		Unit: B / Sec.: 28 / 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	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI								642		19 Days
1.		.750	138		60			138	60	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		150	1.0000	.9608	1.0000	1782
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_t	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 XXXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 654 P_c^2 427716

NO	P_t*	P_w	P_w^2	$P_c^2 - P_w^2$
1	22500	180	32481	395235
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0822$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0694$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1906$

Absolute Open Flow 1906 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .85

Remarks: Dry throughout test.

Approved By Division	Conducted By:	Calculated By:	Checked By:
	CRW	[signature]	