OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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: 12/15/80	
Company: Supron Energy Corp. (John Hill)			Connection		
Pool: Ballard			Formation: Pictured Cliffs		Unit
Completion Date: 12/8/80	Total Depth: 3234		Plug Back TD	Elevation: 7059 G	Farm or Lease Name: Nickson
Csg. Size: 2.875 / Wt.: 6.5 / d: 2.441 / Set At: 3230			Perforations: From 2922 To 2972		Well No.: 19
Tbg. Size: None / Wt. / d / Set At			Perforations: From To		Unit: D / Sec.: 14 / 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: est. .650	% CO_2	% N_2	% H_2S	Prover	Meter Run / Taps

NO.	FLOW DATA: Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA: Press. p.s.i.g.	Temp. °F	CASING DATA: Press. p.s.i.g.	Temp. °F	Duration of Flow
SI									669		7 Days
1.			.750	21		52			21		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	12.3650		33	1.0078	.9608	1.0000	395
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 681 P_c^2 463761

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1	1089	41	1709	462052
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0037$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0031$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 396$

Absolute Open Flow 396 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .85

Remarks: Dry throughout test.

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