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: 5/7/81

Company: Supron Energy Corporation	Connection:		
Pool: Ballard	Formation: Pictured Cliffs		Unit:
Completion Date: 4/30/81	Total Depth: 3100	Plug Back TD:	Elevation: 6925 G
Farm or Lease Name: Newsom A			
Csg. Size: 2.875 / Wt.: 6.40 / d: 2.441 / Set At: 3067	Perforations: From 2878 To 2920		Well No.: 11
Tbg. Size: None / Wt. / d / Set At	Perforations: From To		Unit: M / Sec. / Twp.: 3 / 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						None		714		7 days
1.		.750	14		52			14	52	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		26	1.0078	.9608	1.0000	311
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 _____ XXXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 726 P_c^2 527076

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1		32	1055	526022
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0020$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0017$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 312$

Absolute Open Flow 312 Mcfd @ 15.025 — Angle of Slope θ _____ — Slope, n .85

Remarks: Dry

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