OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

RECEIVED AUG 02 1982 OIL CON. COM. DIST. 3

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 7/30/82	
Company: Supron Energy Corporation		Connection: El Paso Natural Gas Company			
Pool: Basin		Formation: Dakota			Unit
Completion Date: 7/3/82	Total Depth: 6711	Plug Back TD: 6672	Elevation: 6180	Farm or Lease Name: Newsom "B"	
Csg. Size: 4.500	Wt.: 10.50	d: 4.052	Set At: 6691	Perforations: From 6439 To 6629	Well No.: 8-E
Tbg. Size: 2.375	Wt.: 4.70	d: 1.995	Set At: 6625	Perforations: From 6593 To 6599	Unit: H; Sec.: 6; Twp.: 26N; Rge.: 8W
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: 12		State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
6583		0.700						

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	2"	3/4"				1703		1701		7 Days
1.						261	90°	713		3 Hours
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		273	0.9723	0.9258	1.025	3115
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 1715 P_c^2 2,941,225

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		725	525,625	2,415,600
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2176$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.1591$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3610$

Absolute Open Flow 3610 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n 0.75

Remarks: _____

Approved By Division	Conducted By:	Calculated By:	Checked By:
	John Rector	Ken Roddy	