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: 10-22-79	
Company: SUPRON ENERGY CORPORATION	Connection: Gas Company of New Mexico			
Pool: Blanco	Formation: Mesaverde			Unit
Completion Date: 10-13-79	Total Depth: 6018	Plug Back TD: 5983	Elevation: 7114	Farm or Lease Name: Jicarilla "D"
Csg. Size: 7.000 / 4.500 — Wt.: 23.00 / 10.50 — d: 6.366 / 4.052 — Set At: 3928 / 3923-6018		Perforations: From 5904 To 5980		Well No.: 18
Tbg. Size: 2.0625 — Wt.: 3.25 — d: 1.750 — Set At: 5863		Perforations: From No Perforations To		Unit: A — Sec.: 30 — Twp.: 26N — Rge.: 3W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: ------		County: Rio Arriba
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
5853		0.670						

FLOW DATA / TUBING DATA / CASING DATA

NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI	2"		3/4"				1105		1105		7 days
1.							165	58°	605		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		177	1.0019	0.9463	1.020	2117
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 1105 P_c^2 1,221,025

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		617	380,689	840,336
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.4530$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.3231$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n =$ 2801

Absolute Open Flow 2801 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n 0.75

Remarks: _____

Approved By Division	Conducted By:	Calculated By:	Checked By:
	LEROY TAFOYA	JOHN C. RECTOR	