STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-7

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 6-25-81	
Company: SUPRON ENERGY CORPORATION			Connection: Southern Union Gathering Company		Unit
Pool: Bloomfield Ext.			Formation: Chacra		
Completion Date: 6-8-81	Total Depth: 6461		Plug Back TD: 6417	Elevation: 5621	Farm or Lease Name: Congress
Csg. Size: 4.500 / Wt.: 10.50 / d: 4.052 / Set At: 6461			Perforations: From 2723 To 2845		Well No.: 7-E
Tbg. Size: NO TUBING / Wt. / d / Set At			Perforations: From To		Unit: E / Sec.: 34 / Twp.: 29N / Rge.: 11W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Dual - Gas - Gas			Packer Set At: 6158		County: San Juan
Producing Thru: Casing	Reservoir Temp. °F		Mean Annual Temp. °F	Baro. Press. – P_a: 12	State: New Mexico
L: 2713	H	Gg: 0.650	% CO_2	% N_2	% H_2S / Prover / Meter Run / Taps

FLOW DATA

NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA Press. p.s.i.g.	TUBING DATA Temp. °F	CASING DATA Press. p.s.i.g.	CASING DATA Temp. °F	Duration of Flow
SI	2"		3/4"						901		14 days
1.									234	66°	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		246	0.9943	0.9608	1.023	2973
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_t	Z
1				
2.				
3.				
4				
5.				

P_c 913 P_c^2 833,569

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1			76,327	757,242
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 _____ XXXXXX
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

JUN 22 1981
OIL CON. COM.
DIST. 3

(1) $\frac{P_c^2}{P_t^2 - P_w^2} = 1.1008$ (2) $\left[\frac{P_c^2}{P_t^2 - P_w^2}\right]^n = 1.0747$

AOF = Q $\left[\frac{P_t^2}{P_t^2 - P_w^2}\right]^n = 3195$

Absolute Open Flow 3195 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n 0.75

Remarks: _____

Approved By Division | Conducted By: | Calculated By: | Checked By: