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: 3-19-81	
Company: SUPRON ENERGY CORPORATION		Connection: Southern Union Gathering Company		
Pool: Bloomfield Ext.		Formation: Chacra		Unit
Completion Date: 3-2-81	Total Depth: 2965	Plug Back TD: 2931	Elevation: 5646	Farm or Lease Name: Summit
Csg. Size: 2.875 / Wt.: 6.50 / d: 2.441 / Set At: 2962		Perforations: From 2751 To 2757		Well No.: 11
Tbg. Size: No Tubing / Wt. / d / Set At		Perforations: From To		Unit: K / Sec.: 34 / Twp.: 29N / Rge.: 11W
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: 12	State: New Mexico
L: 2741 / 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"						1019		7 days
1.								116	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		128	0.9943	0.9608	1.011	1529
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 1031 P_c^2 1,062,961

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1			25,173	1,037,788
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0243$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0181$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1557$

Absolute Open Flow 1557 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n 0.75

Remarks: _____

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