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: 9-8-81	
Company: SUPRON ENERGY CORPORATION		Connection: Southern Union Gathering Company		
Pool: Basin		Formation: Dakota		Unit:
Completion Date: 8-29-81	Total Depth: 6320	Plug Back TD: 6268	Elevation: 5560	Farm or Lease Name: McCord
Csg. Size: 4.500 / Wt.: 10.50 / d: 4.052 / Set At: 6313		Perforations: From 6077 To 6195		Well No.: 4-E
Tbg. Size: 2.375 / Wt.: 4.70 / d: 1.995 / Set At: 6186		Perforations: NO PERFORATIONS From To		Unit: D / Sec.: 22 / Twp.: 30N / Rge.: 13W
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
6176		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"				1816		1963		7 days
1.						168	82°	532		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		180	0.9795	0.9258	1.018	2055
2.							
3.							
4.							
5.							

NO.	P_r	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 _____ XXXXXX
Specific Gravity Flowing Fluid _____ XXXXXX
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

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SEP 14 1981
OIL CON. COM.
DIST. 3

P_c 1975 P_c^2 3,900,625

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		544	295,936	3,604,689
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0821$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0609$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2180$

Absolute Open Flow 2180 Mcfd @ 15.025 Angle of ~~Slope~~ θ _____ Slope, n 0.75

Remarks: _____

Approved By Division	Conducted By:	Calculated By:	Checked By:
	Floyd Woodward	Kenneth E. Roddy	