

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

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

Form C-177  
Revised 10-1-77

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

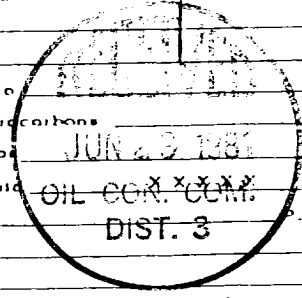
Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special			Test Date 6-25-81		
Company SUPRON ENERGY CORPORATION			Connection Southern Union Gathering Company		
Pool Bloomfield Ext.			Formation Chacra		
Completion Date 6-8-81		Total Length 6461	Plug Back TD 6417	Elevation 5621	Form or Lease Name Congress
Coq. Size 4.500	wt. 10.50	d 4.052	Set At 6461	Perforations From 2723 To 2845	Well No. 7-E
Trq. Size NO TUBING	wt.	d	Let At	Perforations From To	Unit Sec. Twp. Rge. E 34 29N 11W
Type Well - Single - Fractured - G.C. or C.O. Multiple Dual - Gas - Gas				Prover Set At 6158	County San Juan
Producing thru Casing		Reservoir Temp. °F B	Annual Temp. °F	Baro. Press. - P <sub>0</sub> 12	State New Mexico
L 2713	H	C <sub>0</sub> 0.650	% N <sub>2</sub>	% H <sub>2</sub> S	Prover Meter Run Top

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h <sub>w</sub>	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
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 <sub>m</sub>	Flow Temp. Factor Ft.	Gravity Factor Fg	Super. Compress. Factor, F <sub>pv</sub>	Flow G. Mcd
1	12.3650		246	0.9943	0.9608	1.023	2973
2.							
3.							
4.							
5.							

NO.	R <sub>1</sub>	Temp. °R	T <sub>1</sub>	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1										
2.										
3.										
4.										
5.										



NO.	P <sub>1</sub> <sup>2</sup>	P <sub>w</sub>	P <sub>2</sub> <sup>2</sup>	P <sub>2</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	(1) $\frac{P_c^2}{P_2^2 - P_w^2} = 1.1008$	(2) $\left[ \frac{P_c^2}{P_2^2 - P_w^2} \right]^n = 1.0747$
1	913		833,569	76,327		
2						
3						
4						
5						

Absolute Open Flow 3195 Mcd @ 15.025 Angle of Slope @ 0.75 Slope, n

Approved by Division \_\_\_\_\_ Conducted By \_\_\_\_\_ Calculated By \_\_\_\_\_ Checked By \_\_\_\_\_