

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-

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 6-18-81	
Company SUPRON ENERGY CORPORATION		Connection Southern Union Gathering Company	
Pool Basin		Formation Dakota	
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 6202 To 6347		Well No. 7-E	
Trq. Size 2.375	Wt. 4.70	d 1.995	Set At 6195
Perforations No Perforations		Unit Sec. Twp. Rwy. E 34 29N 11W	
Type Well - Single - Fractured - G.C. or C.O. Multiple Dual - Gas - Gas		Packer Set At 6158	County San Juan
Producing thru Tubing	Reservoir Temp. °F #	Annual Temp. °F 12	State New Mexico
L 6185	H 0.700	% N ₂	% H ₂ S
FLOW DATA		TUBING DATA	
NO.	Prover Line Size	X	Orifice Size
SI	2"		3/4"
1.			
2.			
3.			
4.			
5.			
RATE OF FLOW CALCULATIONS		CASING DATA	
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m
1	12.3650		67
2.			
3.			
4.			
5.			
NO.	R ₁	Temp. °R	T ₁
1			
2.			
3.			
4.			
5.			
Gas Liquid Hydrocarbon Ratio		Super Compress. Factor, F _{sp}	
A.P.I. Gravity of Liquid Hydrocarbon		Factor, F _g	
Specific Gravity Separator Gas		Factor, F _g	
Specific Gravity Flowing Fluid		Factor, F _g	
Critical Pressure		Factor, F _g	
Critical Temperature		Factor, F _g	
P ₁ 1008		P ₂ 1,016.064	
NO.	P ₁ ²	P ₂ ²	P ₁ ² - P ₂ ²
1		18,384	997,680
2.			
3.			
4.			
5.			
(1) $\frac{P_c^2}{P_1^2 - P_2^2} = 1.0184$		(2) $\left[\frac{P_c^2}{P_1^2 - P_2^2} \right]^n = 1.0137$	
AOF = Q $\left[\frac{P_c^2}{P_1^2 - P_2^2} \right]^n = 773$			
Absolute Open Flow 773		Mold # 15.025	Angle of Slope #
Slope, n 0.75			
Remarks			
Approved by Division		Conducted by	
Calculated by		Checked by	

