

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 7-3-81
Company SUPRON ENERGY CORPORATION		Connection Southern Union Gathering Company
Pool Basin		Formation Dakota
Completion Date 6-16-81	Total Depth 6480	Plug Back TD 6462
		Elevation 5628
Perforations From 6213 To 6361	Form or Lease Name Reid "B"	
Well No. 1-E	Unit I	
Soc. 31	Twp. 29N	Rge. 10W
County San Juan		State New Mexico
Type Well - Single - Broadhead - G.C. or G.O. Multiple Dual - Gas - Gas		Baro. Press. - P _a 12
Producing Thru Tubing L 6153		Reservoir Temp. °F 0.700
Annual Temp. °F 12		Prover Meter Run

FLOW DATA					TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	
1	2"		3/4"				1042	59°	14 days
2							63		3 hours
3									
4									
5									

RATE OF FLOW CALCULATIONS						
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{sp}
1	12.3650		75	1.0010	0.9258	1.000
2						
3						
4						
5						

NO.	P _t	Temp. °R	T _r	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 ₁ ²	P ₂ ²	P ₁ ² - P ₂ ²	(1) $\frac{P_c^2}{P_1^2 - P_2^2} = 1.0213$	(2) $\left[\frac{P_c^2}{P_1^2 - P_2^2} \right]^n = 1.0159$
1	1054	1,110,916	23,171		
2					
3					
4					
5					

Absolute Open Flow	873	Mcf @ 15.025	Angle of Slope	Slope, n	0.75
Transmitted by Division Conducted by Calculated by Checked by					

