

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 7-29-81				
Company SUPRON ENERGY CORPORATION				Connection Southern Union Gathering Company					
Pool Basin				Formation Dakota				Unit	
Completion Date 7-2-81		Total Depth 6575		Plug Back TD 6523		Elevation 5722		Farm or Lease Name Reid "B"	
Csq. Size 4.500	Wt. 10.50	d 4.052	Set At 6566	Perforations: From 6240 To 6408		Well No. 2-E			
Thq. Size 2.375	Wt. 4.70	d 1.995	Set At 6213	Perforations: NO PERFORATIONS From To		Unit Sec. Twp. Rge. E 31 29N 10W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual - Gas - Gas					Packer Set At 6174		County San Juan		
Producing Thru Tubing		Reservoir Temp. °F #		Mean Annual Temp. °F		Baro. Press. - P _g 12		State New Mexico	
L 6230	H	G _g 0.700	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run	Taps	

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	Press. p.s.i.g.	Temp. °F	
SI	2"		3/4"				981				14 days
1.							88	68°			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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.3650		100	0.9924	0.9258	1.012	1150
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons	Deg.
2.					Specific Gravity Separator Gas	X X X X X X X X
3.					Specific Gravity Flowing Fluid	X X X X X
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

P _c 993	P _c ² 986,049	(1) $\frac{P_c^2}{P_c^2 - R_w^2} = 1.0443$	(2) $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = 1.0330$
NO.	P _t ²	P _w	P _w ²
1			41,798
2			
3			
4			
5			

Absolute Open Flow 1188 Mcfd @ 15.025		Angle of Slope °	Slope, n 0.75
Remarks:			
Approved By Division			
Conducted By: David Roark		Calculated By: Kenneth E. Roddy	
Checked By:			