

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 11-2-81				
Company SUPRON ENERGY CORPORATION				Connection El Paso Natural Gas Company					
Pool Basin				Formation Dakota				Unit	
Completion Date 10-1-81		Total Depth 6713		Plug back TD 6671		Elevation 6267		Farm or Lease Name Newsom "B"	
Csg. Size 4.500	Wt. 10.50	d 4.052	Set At 6713	Perforations: From 6356 To 6568		Well No. 9-E			
Tbg. Size 2.375	Wt. 4.70	d 1.995	Set At 6494	Perforations: NO PERFORATIONS From To		Unit Sec. Twp. Rge. P 7 26N 8W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At -----		County San Juan		
Producing Thru Tubing		Reservoir Temp. °F 9		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L 6484	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"				1690		1650		7 days
1.							82	73°	391		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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.3650		94	0.9877	0.9258	1.000	1063
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	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

NO.	P _c	P _c ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1	1702	2,896,804	403	162,409	2,734,395	1.0594	1.0442
2.							
3.							
4.							
5.							

Absolute Open Flow 1110 Mcfd @ 15.025				Angle of Slope @		Slope, n 0.75	
Remarks:							
Approved By Division		Conducted By: Toby Hill		Calculated By: Kenneth E. Roddy		Checked By:	