

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 12-23-80	
Company SUPRON ENERGY CORPORATION				Connection Southern Union Gathering Company	
Pool Bloomfield Extension				Formation Chacra	
Completion Date 12-12-80		Total Depth 2985		Plug Back TD 2948	
				Elevation 5615	
Csg. Size 2.875		Wt. 6.50		Well No. 9	
d 2.441		Set At 2977		Perforations: From 2747 To 2857	
Trg. Size No Tubing		d Set At		Perforations: From To	
Type Well - Single - Broadhead - G.C. or G.O. Multiple Single - Gas				Packer Set At	
Producing Thru Casing				Baro. Press. - P _a 12	
Reservoir Temp. °F #		Mean Annual Temp. °F		County San Juan	
L 2737		H 0.650		State New Mexico	
G _g		% 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"						1026		7 days
1.									164	65°	3 hours
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w^2}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{sp}	Rate of Flow Q, Mcfd
1	12.3650		176	0.9952	0.9608	1.017	2116
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Factor	A.P.I. Gravity of Liquid Hydrocarbon	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure P.S.I.A.	Critical Temperature °R
1										
2.										
3.										
4.										
5.										

NO.	P _r	P _w	P _r ²	P _w ²	P _r ² - P _w ²	(1) $\frac{P_r^2}{P_r^2 - P_w^2} =$	(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n =$
1			47,670	1,029,774		1.0463	1.0345
2.							
3.							
4.							
5.							

Absolute Open Flow 2189 Mcfd @ 15.025				Angle of Slope		Slope, n 0.75	
Remarks:							
Approved By Division		Conducted By		Calculated By		Checked By	
				Kenneth E. Boddy			