

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 3-28-81	
Company SUPRON ENERGY CORPORATION			Connection Southern Union Gathering Company		
Pool Blanco			Formation Mesaverde		Unit
Completion Date 3-7-81		Total Depth 8145		Plug Back TD 8109	Elevation 6559
Casing Size 5.500		Wt. 26.40	d. 4.950	Set At 3740	Perforations From 5469 To 5933
Tubing Size 2.0625		Wt. 3.25	d. 1.750	Set At 5873	Perforations From 5808 To 5814
Type Well - Single - Blindhead - G.C. or G.O. Multiple Dual - Gas - Gas				Packer Set At 7924	
Producing thru Tubing		Reservoir Temp. °F #		Baro. Press. - P _a 12	
L 5798	H	Cg 0.650	% N ₂	% H ₂ S	Prover
Meter Run		Taps			
FLOW DATA			TUBING DATA		CASING DATA
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w
1	2"		3/4"		
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
1	12.3650		192	1.0000	0.9608
2					
3					
4					
5					
NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons Deg.
2					Specific Gravity Separator Gas XXXXX
3					Specific Gravity Flowing Fluid XXXXX
4					Critical Pressure P.S.I.A. P.S.I.A.
5					Critical Temperature R R
$P_c = 1286$ $r_c^2 = 1,653,796$ $P_w = 751$ $P_c^2 - P_w^2 = 1,089,795$ (1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.5175$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.3672$ $Q = 3177$ $Q = \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3177$					
Absolute Open Flow 3177 Mcd @ 15.025				Angle of Slope 0.75	
Remarks:					
Approved by Division		Conducted By Bennie Brown		Calculated By Kenneth E. Roddy	
				Checked By:	