

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 9-17-79	
Company SUPRON ENERGY CORPORATION			Connection Southern Union Gathering Company		
Pool Aztec			Formation Pictured Cliffs		Unit
Completion Date 9-8-79		Total Depth 2475		Plug Back TD 2325	Elevation 5828 GR.
Csg. Size 2.875	Wt. 6.50	d 2.441	Set At 2387	Perforations: From 2162 To 2202	
Trg. Size No Tubing	Wt.	d	Set At	Perforations: From To	
Type Well - Single - Drdhead - G.C. or G.O. Multiple Single				Packer Set At -----	
Producing Thru Casing		Reservoir Temp. °F #		Baro. Press. - P _a 12	
L 2378	H	Gg 0.620	% CO ₂	% 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 _v
1	2"		3/4"		
2					
3					
4					
5					
RATE OF FLOW CALCULATIONS					
NO.	Coefficient (24 Hour)	$\sqrt{h_v P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg
1	12.3650		143	0.9943	0.9837
2					
3					
4					
5					
NO.	P _f	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 _____ XXXXXXXXXX
3					Specific Gravity Flowing Fluid _____ XXXXX
4					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5					Critical Temperature _____ R _____ R
$P_c = 649$ $P_c^2 = 421,201$					
NO.	P _f	P _w	P _w	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0766$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0647$
1			29,580	391,221	
2					
3					
4					
5					
$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1863$					
Absolute Open Flow 1863				Mcf @ 15.025	Angle of Slope @ _____
Slope, n 0.85					
Remarks:					
Approved by Division		Conducted By:		Calculated By:	
		John C. Rector		Kenneth E. Roddu	
Checked By:					