

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 4-7-80	
Company SUPRON ENERGY CORPORATION				Connection Gas Company of New Mexico	
Pool Basin				Formation Dakota	
Completion Date 2-29-80		Total Depth 7786		Plug back TD 7771	
Elevation 6632		Farm or Lease Name Jicarilla "G"			
Csg. Size 7.625	Wt. 26.40	d 6.969	Set At 3600	Perforations: From 7560 To 7743	
5.500	15.50	4.950	3496-7785	Well No. 6-M	
Tub. Size 2.0625	Wt. 3.25	d 1.750	Set At 7517	Perforations: From NO PERFORATION To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual - Gas - Gas				Packer Set At 7513	
Producing Thru Tubing		Reservoir Temp. °F #		Baro. Press. - P _a 12	
Mean Annual Temp. °F		State New Mexico		County Rio Arriba	
L 7505	H	Gg 0.700	% CO ₂	% N ₂	% H ₂ S
Prover		Meter Run		Taps	
FLOW DATA					
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w
1	2"		3/4"		
2					
3					
4					
5					
TUBING DATA					
				Press. p.s.i.g.	Temp. °F
				2098	52°
				73	
CASING DATA					
				Press. p.s.i.g.	Temp. °F
RATE OF FLOW CALCULATIONS					
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g
1	12.3650		85	1.0078	0.9258
2					
3					
4					
5					
NO.	P _i	Temp. °R	T _i	Z	Gas Liquid Hydrocarbon Ratio
1					Mcf/bbl.
2					A.P.I. Gravity of Liquid Hydrocarbons
3					Specific Gravity Separator Gas
4					Specific Gravity Flowing Fluid
5					Critical Pressure
					Critical Temperature
					P.S.I.A.
					R
	P _c 2110	P _c ² 4,452,100			
NO.	P _i	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0139$
1			60,863	4,391,237	
2					
3					
4					
5					
AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 991$					
Absolute Open Flow 991					Mcf @ 15.025
Angle of Slope					Slope, n 0.75
Remarks					
Approved By Division		Conducted By		Calculated By	
				Kenneth E. Dodds	
				Checked By	

