

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 4-7-80	
Company SUPRON ENERGY CORPORATION				Connection Gas Company of New Mexico			
Basin completion Date 3-20-80				Total Depth 7900		Pkg Back TD 7848	
Elevation 6869				Farm or Lease Name Jicarilla "F"			
Well No. 5		Unit F		Sec. 33		Twp. 26N	
Rge. 4W		County Rio Arriba		State New Mexico			
Type Well - Single - Proven - G.G. or G.O. Multiple Dial - Gas - Gas				Packer Set At 7541			
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F 12		Baro. Press. - P _a	
L 7534		H 0.700		G _g		Prover	
% CO ₂		% N ₂		% H ₂ S		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	
1	2"		3/4"				2290				7 days
2							87	65°			3 hours
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		99	0.9952	0.9258	1.000	1128
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	
3					Specific Gravity Flowing Fluid	
4					Critical Pressure	P.S.I.A.
5					Critical Temperature	R

P _c 2302		P _c ² 5,299,204		(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0155$	
NO.	P _r ²	P _w	P _w ²	P _c ² - P _w ²	(2) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0115$
1			80,942	5,218,262	
2					
3					
4					
5					

Absolute Open Flow 1141		Mcf/d @ 15.025		Angle of Slope θ		Slope, n 0.75	
-------------------------	--	----------------	--	------------------	--	---------------	--

Remarks:			
Approved By Commission:		Conducted By: JOHN RECTOR	
Calculated By: KENNETH E. RODDY		Checked By:	