

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 12-30-80	
Company SUPRON ENERGY CORPORATION				Connection Gas Company of New Mexico			
Pool Basin				Formation Dakota		Unit	
Completion Date 12-16-80		Total Depth 7480		Plug Back TD 7445		Elevation 6550	
Farm or Lease Name Jicarilla "J"		Well No. 9-E					
Csg. Size 4.500	Wt. 10.50	d 4.052	Set At 7476	Perforations: From 7163 To 7337			
Tqg. Size 2.375	Wt. 4.70	d 1.995	Set At 7074	Perforations: No Perforations From To		Unit Sec. Twp. Rge. D 26 26N 5W	
Type Well - Single - Brdenhead - G.G. or G.O. Multiple Dual - Gas - Gas				Packer Set At 7067		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. *F #		Mean Annual Temp. *F		Baro. Press. - P _a 12	
State New Mexico							
L 7064	H	Gg 0.700	% 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"				2300				7 days
1.							227	54°			3 hours
2.											
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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.3650		239	1.0058	0.9258	1.029	2832
2.							
3.							
4.							
5.							

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

P _c 2312	P _c ² 5,345,344	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0535$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0398$
NO.	P _t ²	P _w ²	P _c ² - P _w ²
1			271,230 5,074,114
2			
3			
4			
5			

Absolute Open Flow 2945		Mcf @ 15.025	Angle of Slope @	Slope, n 0.75
Remarks:				
Approved By Commission:				
Conducted By: Doyal Parret		Calculated By: Kenneth E. Roddy		Checked By: