

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 1-27-81	
Company SUPRON ENERGY CORPORATION				Connection Gas Company of New Mexico		
Pool Blanco				Formation Mesaverde		Unit
Completion Date 12-30-80		Total Depth 7615		Plug Back TD 7577		Elevation 6650
Farm or Lease Name Jicarilla "J"						Well No. 11-E
Csg. Size 4.500	Wt. 10.50	d 4.052	Set At 7615	Perforations: From 4841 To 5494		Unit Sec. Twp. Rge. A 25 26-N 5-W
Tub. Size No Tubing		Wt. 	d 	Set At 	Perforations: From To	
Type Well - Single - Firmhead - G.G. or G.O. Multiple Dual - Gas - Gas				Packer Set At 7285		County Rio Arriba
Producing Thru Casing		Reservoir Temp. °F 		Mean Annual Temp. °F 		Baro. Press. - P _a 12
State New Mexico						
L 4831	H 	G _g 0.650	% 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"						1223		14 days
1.									170	60°	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 F _g	Super. Comp. Factor, F _{spv}	Rate of Flow Q, Mcfd
1	12.3650		182	1.0000	0.9608	1.017	2199
2.							
3.							
4.							
5.							

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

NO.	P _t ²	P _w ²	P _t ² - P _w ²	(1) $\frac{P_c^2}{P_t^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_t^2 - P_w^2} \right]^n =$
1	1235	1,525,225	47,830	1.0324	1.0242
2					
3					
4					
5					

NO.	P _t ²	P _w ²	P _t ² - P _w ²	ACF = Q $\left[\frac{P_c^2}{P_t^2 - P_w^2} \right]^n =$
1				2252
2				
3				
4				
5				

Absolute Open Flow	2252	Mcf/d @ 15.025	Angle of Slope θ	Slope, n	0.75
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Remarks:

Approved By Commission:	Conducted By: Doyal Parret	Calculated By: Kenneth E. Roddy	Checked By:
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