

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 5-30-79			
Company SUPRON ENERGY CORPORATION				Connection Gas Company of New Mexico				
Pool Blanco				Formation Mesaverde				Unit
Completion Date 5-5-79		Total Depth 8236		Plug Back TD 8143		Elevation 7137 Gr.		Farm or Lease Name Jicarilla "B"
71625 5.500	WI 26.40 15.50	% 8.969 4.950	Set 4000 8162	Perforations: From 5827 To 6032			Well No. 11	
Tag. Size 2.0625	WI 3.25	d 1.750	Set At 5963	Perforations: From 5891 To 5897			Unit Sec. Twp. Rge. D 25 26N 4W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual - Gas - Gas					Packer Set At 7970		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F θ		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico
L 5877	H	Gg 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"				1221		1221		14 days
1.							179	54°	721		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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.3650		191	1.0058	0.9608	1.018	2323
2.							
3.							
4.							
5.							

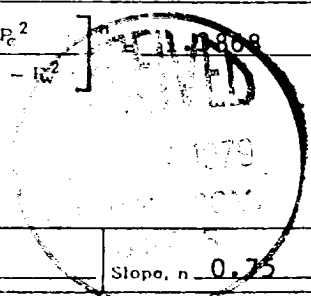
NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ X X X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 1233 P _c ² 1,520,289				
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²
1		733	537,289	983,000
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.5466$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3222$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]$



Absolute Open Flow 3222	Mcf/d @ 15.025	Angle of Slope θ _____	Slope, n 0.75
Remarks: _____			

Approved By Commission:	Conducted By: John C. Rector	Calculated By: Kenneth E. Roddy	Checked By:
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