

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 5-15-80	
Company SUPRON ENERGY CORPORATION				Connection Southern Union Gathering Company		
Pool Undesignated Ext. <i>Cofee</i>				Formation Fruitland		Unit
Completion Date 4-25-80		Total Depth 3052		Plug Back TD 3011		Elevation 5593
Casing Size 4.500		ID 4.090		Set At 3052		Perforations: From 1531 To 1613
Well No. 2		Farm or Lease Name Wilson				
Tag. Size NO TUBING		ID NO TUBING		Set At NO TUBING		Perforations: From To
Type Well - Single - Brodenhead - G.G. or G.O. Multiple Dual - Gas - Gas				Packer Set At 2723		County San Juan
Producing Thru Casing		Reservoir Temp. °F 6		Mean Annual Temp. °F 12		Baro. Press. - P _a 12
State New Mexico						
L 1521	H	G _g 0.620	% 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"						540		14 days
1.									5	61°	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 Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.3650		17	0.9990	0.9837	1.000	207
2.							
3.							
4.							
5.							

NO.	P _t	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 552	P _c ² 304,704		
NO.	P _t ²	P _w	P _w ²
1			314
2			
3			
4			
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0010$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 207$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0008$

Absolute Open Flow	207	Mcf/d @ 15.025	Angle of Slope θ	0.85
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Remarks:

Approved By Commission:	Conducted By: Clifton Gates	Calculated By: Kenneth E. Roddy	Checked By:
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