

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 12-22-80	
Company SUPRON ENERGY CORPORATION				Connection Southern Union Gathering Company		
Pool Bloomfield Extension				Formation Chacra		Unit
Completion Date 12-12-80		Total Depth 3250		Plug Back TD 3112		Elevation 5855
Well No. 26		Furn. or Lease Name Zachry				
Log. Size 2.875	Wt. 6.50	d 2.441	Set At 3243	Perforations: From 3051 To 3180		
Log. Size No Tubing	Wt.	d	Set At	Perforations: From To		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas				Packer Set At ----		County San Juan
Producing Thru Casing		Reservoir Temp. °F 6		Mean Annual Temp. °F 12		State New Mexico
L 3041	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"						1011		7 days
1.									238	72°	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		250	0.9887	0.9608	1.022	3001
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcft/bbl.
1					A.P.L. 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.
5.					Critical Temperature	R

NO.	P _r	P _w	P _w ²	P _r ² - P _w ²
1	1023	1,046,529	99,686	946,843
2.				
3.				
4.				
5.				

(1) $\frac{P_r^2}{P_r^2 - P_w^2} = 1.1053$

ADP = Q $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 3235$

(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.0780$

Absolute Open Flow 3235	Mcft @ 15.025	Angle of Slope θ	Slope, n 0.75
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Remarks:

Approved By Commission:	Conducted By: David Roark	Calculated By: Kenneth E. Roddy	Checked By:
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