

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 5-8-80	
Company SUPRON ENERGY CORPORATION				Connection Southern Union Gathering Company		
Pool Aztec Bloomfield				Formation Chacra		Unit
Completion Date 4-25-80		Total Depth 3052		Plug Back TD 3011		Elevation 5593
Csg. Size 4.500		Set At 3052		Perforations: From 2770 To 2892		Farm or Lease Name Wilson
Tbg. Size 2.0625		Set At 2728		Perforations: From NO PERFORATIONS		Well No. 2
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual - Gas - Gas				Packer Set At 2723		Unit Sec. Twp. Rge. G 31 29N 10W
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		County San Juan
Baro. Press. - P _a 12		State New Mexico				
L 2718	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	
SI	2"		3/4"				1055		7 days
1.							210	64°	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		222	0.9962	0.9837	1.019	2741
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/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. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2140$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1565$ AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3170$
1			200,723	937,766	
2					
3					
4					

Absolute Open Flow <u>3170</u> Mcfd @ 15.025		Angle of Slope θ _____	
Slope, n <u>0.75</u>			
Remarks:			

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