

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 12-23-80			
Company SUPRON ENERGY CORPORATION				Connection Southern Union Gathering Company					
Pool Bloomfield Extension				Formation Chacra				Unit	
Completion Date 12-11-80		Total Depth 2905		Plug Back TD 2841		Elevation 5541		Farm or Lease Name Garland	
Coq. Size 2.875	Wt. 6.50	d 2.441	Set At 2872	Perforations From 2668 To 2790		Well No. 3			
Thq. Size No Tubing	Wt.	d	Set At	Perforations From To		Unit Sec. Twp. Rge. M 27 29-N 11-W			
Type Well - Single - Brdenhead - G.C. or G.O. Multiple Single - Gas						Packer Set At		County San Juan	
Producing Thru Casing		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L 2.658	H	G _g 0.650	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run	Tape	

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"						1031		7 days
1.									226	67°	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 Fg	Super Compress. Factor F _{sc}	Rate of Flow Q, Mcfd
1	12.3650		238	0.9933	0.9608	1.022	2870
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	Deq.
2.					Specific Gravity Separator Gas	XXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

NO.	P _t	P _w	P _u	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	1043			86,593	1.0865	1.0641
2.						
3.						
4.						
5.						

$AOF = Q \left[\frac{P_c^2}{P_t^2 - P_w^2} \right]^n = 3054$			
Absolute Open Flow 3054		Mcf @ 15.025	
Angle of Slope		Slope, n 0.75	
Remarks:			
Approved By Division			
Conducted By:			
Calculated By:			
Checked By:			