

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 8-9-79	
Company SUPRON ENERGY CORPORATION				Connection Gas Company of New Mexico	
Pool Tapacito				Formation Pictured Cliffs	
Completion Date 7-10-79		Total Depth 3680		Plug Back TD 3660	
		Elevation 6829 GR.		Form or Lease Name Jicarilla "C"	
Csq. Size 2.875	Wt. 6.50	d 2.441	Set At 3679	Perforations: From 3591 To 3645	
Thg. Size No Tubing	Wt.	d	Set At	Perforations: From To	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single				Packer Set At	
Producing Thru Casing		Reservoir Temp. °F #		Mean Annual Temp. °F 12	
Baro. Press. - P _a 12		State New Mexico		County Rio Arriba	
L 3581	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"						1062		7 days
1.									88	56°	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, Mcld
1	12.3650		100	1.0039	0.9837	1.009	1232
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 _____ XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ H

P _c 1074	P _c ² 1,153,476		
NO.	P _i ²	P _w	P _i ² - P _w ²
1		16,969	1,136,507
2			
3			
4			
5			

(1) $\frac{P_c^2}{P_i^2 - P_w^2} = 1.0149$

AOF = Q $\left[\frac{P_c^2}{P_i^2 - P_w^2} \right]^n = 1248$

(2) $\left[\frac{P_c^2}{P_i^2 - P_w^2} \right]^n = 1.0126$

Absolute Open Flow 1248	Mcld @ 15.025	Angle of Slope @	Slope, n 0.85
Remarks:			
Approved By Division			
Conducted By:		Calculated By:	
		Checked By:	