

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 8/6/78			
Company SUPRON ENERGY CORPORATION				Connection Gas Company of New Mexico					
Pool Tapacito Pictured Cliffs				Formation Pictured Cliffs				Unit	
Completion Date 8/6/78		Total Depth 3661		Plug Back TD 3612		Elevation 6820 Gr.		Farm or Lease Name Jicarilla "E"	
Csg. Size 4.500	Wt. 9.50	d 4.090	Set At 3661	Perforations: From 3517' To 3574'		Well No. 14			
Tbg. Size 1.660	Wt. 2.30	d 1.380	Set At 3544	Perforations: From To		Unit Sec. Twp. Rge. D 15 26N 4W			
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single						Packer Set At		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. *F P		Mean Annual Temp. *F		Baro. Press. - P _a 12		State New Mexico	
L 3544	H	G _g 0.660	% 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							369		369		7 days
1.			3/4"	58		55°	58	55°	328		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, Fpv	Rate of Flow Q, Mcfd
1	12.3650		70	1.0048	0.9535	1.000	829
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 _r	P _w	P _w ²	P _r ² - P _w ²	(1) $\frac{P_r^2}{P_r^2 - P_w^2} = 4.9106$	(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 3.8676$
1		340	115,600	29,561		
2.						
3.						
4.						
5.						

Absolute Open Flow 3206 _____ Mcfd @ 15.025				Angle of Slope ° _____		Slope, n 0.85	
Remarks: _____							
Approved By Commission		Conducted By John C. Rector		Calculated By John C. Rector		Checked By	