

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
 Revised 9-1-75

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 8/18/78	
Company SUPRON ENERGY CORPORATION				Connection Gas Company of New Mexico			
Pool Tapacito				Formation Pictured Cliffs		Unit	
Completion Date 7/27/78		Total Depth 3710		Plug Back TD 3666		Elevation	
Csg. Size 4.500		Wt. 9.50		d 4.090		Set At 3709	
Thq. Size 1.660		Wt. 2.30		d 1.380		Set At 3534	
Perforations: From 3559 To 3616				Well No. 21			
Perforations: From No Perforations				Unit Sec. Twp. Rge. C 13 26N 4W			
Type Well - Single - Hardhead - G.C. or G.O. Multiple Single - Gas						Packer Set At	
Producing Thru Tubing						State New Mexico	
L 3520		H		Gg 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"				1033		1033		7 days
1.							122		585		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		134	1.0117	0.9837	1.012	1669
2.							
3.							
4.							
5.							

NO.	P _r	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 _____ 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

P _c 1045 P _c ² 1,092,025				
NO.	P _r	P _w	P _w ²	P _c ² - P _w ²
1		597	356,409	735,616
2				
3				
4				
5				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.4845$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.3990$$

$$AOI = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2335$$

Absolute Open Flow	2335	Mcf/d @ 15.025	Angle of Slope	Slope, n	0.85
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Remarks:

Approved By Commission	Conducted By John C. Rector	Calculated By Kenneth E. Roddy	Checked By
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