

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

Form C-172
Revised 4-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 8/8/78	
Company Supron Energy Corporation				Connection Gas Company of New Mexico			
Pool Tapacito				Formation Pictured Cliffs		Unit	
Completion Date 8/8/78		Total Depth 3600'		Plug Back TD 3554'		Elevation 6863 Gr.	
Farm or Lease Name Jicarilla "A"				Well No. 20			
Csg. Size 4.500	Wt. 9.50	d 4.090	Set At 3597	Perforations: From 3500 To 3538		Unit Sec. Twp. Rge. II 23 26N 4W	
Tbg. Size 1.660	Wt. 2.30	d 1.380	Set At 3502	Perforations: From 3494 To 3502			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single Gas						Packer Set At	
Producing Thru Tubing				Reservoir Temp. °F 8		Mean Annual Temp. °F 12	
Baro. Press. - P _a 12				County Rio Arriba			
State New Mexico							
L 3.480	H	G _g 0.620	% CO ₂	% H 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"				338		338		7 days
1.							51	600	292		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		63	1.0000	0.9837	1.000	766
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 350	P _c ² 122,500		
NO.	P _w	P _w ²	P _c ² - P _w ²
1	304	92,416	30,084
2			
3			
4			
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 4.0719$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3.2985$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2527$

Absolute Open Flow 2527 Mcfd @ 15.025	Angle of Slope θ _____	Slope, n 0.85
Remarks: _____		

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