NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 8/12/78	
Company: Supron Energy Corporation		Connection: Gas Company of New Mexico			
Pool: Tapacito		Formation: Pictured Cliffs		Unit	
Completion Date: 7/27/78	Total Depth: 3320	Plug Back TD: 3263	Elevation: 6808 Gr.	Farm or Lease Name: Jicarilla "K"	
Csg. Size: 4.500 / Wt.: 9.50 / d / Set At: 3320		Perforations: From 3173 To 3241		Well No.: 20	
Tbg. Size: 1.660 / Wt.: 2.3 / d / Set At: 3195		Perforations: From No Perforations To		Unit: B / Sec.: 2 / Twp.: 25N / Rge.: 5W	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At		County: Rio Arriba	
Producing Thru: Tubing	Reservoir Temp. °F: @	Mean Annual Temp. °F	Baro. Press. – P_a: 12	State: New Mexico	

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
3183		0.690						

	FLOW DATA				TUBING DATA		CASING DATA		
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	Duration of Flow
SI						940		940		7 days
1.	2"	3/4"	53		50°	53	50°	356		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		65	1.0098	0.9325	1.000	757
2.							
3.							
4.							
5.							

NO.	P_r	Temp. °R	T_r	Z
1.				
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 952 P_c^2 906,304

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		368	135,424	770,880
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1757$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.1474$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 869$

Absolute Open Flow 869 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n 0.85

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	John C. Rector	John C. Rector	