NEW MEXICO OIL CONSERVATION COMMISSION

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: 1/18/78	
Company: Supron Energy Corporation			Connection: Gas Company of New Mexico		
Pool: Tapacito			Formation: Pictured Cliffs		Unit
Completion Date: 1/4/78	Total Depth		Plug Back TD	Elevation: 7367 Gr.	Farm or Lease Name: Jicarilla "C"
Csg. Size: 4.500 / Wt.: 9.50 / d: 4.090 / Set At: 4249			Perforations: From 4110 To 4138		Well No.: 2-R
Tbg. Size: 1.660 / Wt.: 2.40 / d: 1.380 / Set At: 4123			Perforations: From 4091 To 4106		Unit: B / Sec.: 1 / Twp.: 26N / Rge.: 5W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single - Gas			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
4081		0.620						

	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	2"	3/4"				312		312		4 Days
1.						32	55°	252		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		44	1.0048	0.9837	1.000	538
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 324 P_c^2 104,976

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1		264	69,696	35,280
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.9755$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.2654$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1219$

Absolute Open Flow 1219 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n 0.85

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Eugene Current	Kenneth E. Roddy	