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: 8/11/78	
Company: Supron Energy Corporation	Connection: Gas Company of New Mexico			
Pool: Tapacito	Formation: Pictured Cliffs		Unit	
Completion Date: 4/11/78	Total Depth: 8030	Plug Back TD: 6372	Elevation: 7061 Gr.	Farm or Lease Name: Jicarilla "E"
Csg. Size: 7.625 / 5.500 — Wt.: 15.50 / 26.40 — d — Set At: 3901 / 3723-6388 — Perforations: From 3688 To 3700				Well No.: 12
Tbg. Size: 2.0625 — Wt.: 3.25 — d — Set At: 3628 — Perforations: From 3620 To 3628				Unit: K — Sec.: 22 — Twp.: 26N — Rge.: 4W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Dual - Gas - Gas		Packer Set At: 5580		County: Rio Arriba
Producing Thru: Tubing	Reservoir Temp. °F: 0	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
.3608		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						589		590		7 days
1.	2"	3/4"	79		58°	79	58°	313		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		91	1.0019	0.9463	1.000	1067
2.							
3.							
4.							
5.							

NO.	P_t	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 602 P_c^2 362,404

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1		325	105,625	256,779
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.4113$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.3402$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1430$

RECEIVED
AUG 17 1978
OIL CON. COM.
DIST. 3

Absolute Open Flow 1430 Mcfd @ 15.025 Angle of Slope θ _____

Remarks: _____

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