NEW MEXICO OIL CONSERVATION COMMISSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [XX] Initial [ ] Annual [ ] Special — Test Date: 5/2/78

Company: Supron Energy Corporation	Connection: Gas Company of New Mexico		
Pool: Tapacito	Formation: Pictured Cliffs	Unit:	
Completion Date: 4/8/78	Total Depth: 6259	Plug Back TD: 6213	Elevation: 7093 Gr.
Farm or Lease Name: Jicarilla "H"			
Well No.: 9			
Unit: A	Sec.: 17	Twp.: 26N	Rge.: 4W
County: Rio Arriba			
State: New Mexico			

Csg. Size: 7.625 / 4.500 — Wt.: 26.40 / 10.50 — d: 6.969 / 4.052 — Set At: 4058 / 3895-6255 — Perforations: From 3778 To 3802

Tbg. Size: 1.900 — Wt.: 2.90 — d: 1.610 — Set At: 3773 — Perforations: From 3765 To 3773

Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Dual - Gas - Gas — Packer Set At: 5467

Producing Thru: Tubing — Reservoir Temp. °F: — — Mean Annual Temp. °F: — — Baro. Press. – P_a: 12

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
3753		0.620						

NO.	FLOW DATA: Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA: Press. p.s.i.g.	Temp. °F	CASING DATA: Press. p.s.i.g.	Temp. °F	Duration of Flow
SI	2"		3/4"				381		381		14 Days
1.							57	60°	263		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		69	1.0000	0.9837	1.000	839
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 _____ XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 393 P_c^2 154,449

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1		275	75,625	78,824
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.9594$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.7713$

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1486$

Absolute Open Flow 1486 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	