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: 1/19/78	
Company: Supron Energy Corporation		Connection: Gas Company of New Mexico			
Pool:		Formation:		Unit:	
Completion Date: 1/7/78	Total Depth:	Plug Back TD:	Elevation: 6995 Gr	Farm or Lease Name: Jicarilla "K"	
Csg. Size: 3.500 / Wt.: 9.20 / d: 2.992 / Set At: 3475		Perforations: From 3366 To 3392		Well No.: 19	
Tbg. Size: 1.900 / Wt.: 2.90 / d: 1.610 / Set At: 3358		Perforations: From 3342 To 3358		Unit: G / Sec.: 12 / Twp.: 25N / 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: 3332 / H:	Gg: 0.620	% CO_2:	% N_2:	% H_2S:	Prover: / Meter Run: / Taps:

FLOW DATA

NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA Press. p.s.i.g.	TUBING DATA Temp. °F	CASING DATA Press. p.s.i.g.	CASING DATA Temp. °F	Duration of Flow
SI	2"		3/4"				567		567		3 Days
1.							98	55°	346		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		110	1.0048	0.9837	1.000	1344
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 579 P_c^2 335,241

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1		358	128,164	207,077
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.6189$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.5060$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2024$

Absolute Open Flow 2024 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	