OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test: [XX] Initial [ ] Annual [ ] Special		Test Date: 8/20/79	
Company: Supron Energy Corporation	Connection: Gas Company of New Mexico		
Pool: Wild Horse Blanco	Formation: Dakota Mesaverde	Unit	
Completion Date: 6/3/79	Total Depth: 8350	Plug Back TD: 8331	Elevation: 7190 R.K.B.
Farm or Lease Name: Jicarilla "F"			
Csg. Size: 7.000 / 5.000 — Wt.: 20.00 / 15.00 — d: 6.456 / 4.408 — Set At: 5419 / 5219-8350	Perforations: From 5900 To 8325	Well No.: 1	
Tbg. Size: 2.375 — Wt.: 4.70 — d: 1.995 — Set At: 7623	Perforations: From 7558 To 7564	Unit: L — Sec.: 27 — Twp.: 26N — Rge.: 4W	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Dual - Gas - Oil	Packer Set At: 5494	County: Rio Arriba	
Producing Thru: Tubing	Reservoir Temp. °F:	Mean Annual Temp. °F:	Baro. Press. – P_a: 12 — State: New Mexico
L: 7548 — H: — Gg: 0.700 — % CO_2: — % N_2: — % H_2S: — Prover: — Meter Run: — Taps:			

FLOW DATA / TUBING DATA / CASING DATA

NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI	2"		3/4"				577				14 Days
1.							10	60°			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		22	1.000	0.9258	1.000	252
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_t	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 589 P_c^2 346,921

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1			2275	344,646
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0066$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0049$

$AOF = Q\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 253$

Absolute Open Flow 253 Mcfd @ 15.025 — Angle of Slope θ _____ — Slope, n 0.75

Remarks: _____

Approved By Division	Conducted By:	Calculated By:	Checked By:
		Kenneth E. Reddy	