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: 3/8/78	
Company: Supron Energy Corporation	Connection: Gas Company of New Mexico			
Pool: Blanco	Formation: Mesaverde		Unit	
Completion Date: 2/14/78	Total Depth: 5925	Plug Back TD: 5881	Elevation: 6994 Gr.	Farm or Lease Name: Jicarilla "B"
Csg. Size: 7.625 / 4.500	Wt.: 26.40 / 10.50	d: 6.969 / 4.052	Set At: 3862 / 3693-5925	Perforations: From 5428 To 5804
Well No.: 8				
Tbg. Size: 2.0625	Wt.: 3.25	d: 1.750	Set At: 5394	Perforations: From No Perforations To
Unit: K	Sec.: 25	Twp.: 26N	Rge.: 4W	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Dual - Gas - Gas			Packer Set At: 5394	County: Rio Arriba
Producing Thru: Tubing	Reservoir Temp. °F: e	Mean Annual Temp. °F	Baro. Press. – P_a: 12	State: New Mexico
L: 5383	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	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI	2"	3/4"				1081				11 Days
1.						87	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		99	1.000	0.9258	1.000	1133
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 _____ XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 1093 P_c^2 1,194,649

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1			9869	1,184,780
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0083$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0061$

$AOF = Q\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1140$

Absolute Open Flow 1140 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n 0.75

Remarks: _____

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