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: 5-30-79	
Company: SUPRON ENERGY CORPORATION			Connection: Gas Company of New Mexico		
Pool: Blanco			Formation: Mesaverde		Unit
Completion Date: 5-5-79	Total Depth: 8236		Plug Back TD: 8143	Elevation: 7137 Gr.	Farm or Lease Name: Jicarilla "B"
OD: 7.625 / 5.500	Wt: 26.40 / 15.50	d: 6.969 / 4.950	Set At: 4000 / 8162	Perforations: From 5827 To 6032	Well No.: 11
Tbg. Size: 2.0625	Wt.: 3.25	d: 1.750	Set At: 5963	Perforations: From 5891 To 5897	Unit: D; Sec.: 25; Twp.: 26N; Rge.: 4W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Dual - Gas - Gas			Packer Set At: 7970		County: Rio Arriba
Producing Thru: Tubing	Reservoir Temp. °F: θ	Mean Annual Temp. °F	Baro. Press. – P_a: 12		State: New Mexico
L: 5877	H	Gg: 0.650	% 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"				1221		1221		14 days
1.						179	54°	721		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		191	1.0058	0.9608	1.018	2323
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 1233 P_c^2 1,520,289

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		733	537,289	983,000
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.5466$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]$ 1.1868

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3222$

Absolute Open Flow 3222 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n 0.75

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	John C. Rector	Kenneth E. Roddy	