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: 1-6-81	
Company: SUPRON ENERGY CORPORATION	Connection: Gas Company of New Mexico			
Pool: Blanco	Formation: Mesaverde		Unit	
Completion Date: 12-16-80	Total Depth: 7480	Plug Back TD: 7445	Elevation: 6550	Farm or Lease Name: Jicarilla "J"
Csg. Size: 4.500 / Wt.: 10.50 / d: 4.052 / Set At: 7476		Perforations: From 4708 To 5365		Well No.: 9-E
Tbg. Size: No Tubing / Wt. / d / Set At		Perforations: From To		Unit: D / Sec.: 26 / Twp.: 26N / Rge.: 5W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Dual - Gas - Gas		Packer Set At: 7067		County: Rio Arriba
Producing Thru: Casing	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. – P_a: 12	State: New Mexico
L: 4698	H	Gg: 0.650	% CO_2	% N_2

	% H_2S	Prover	Meter Run	Taps

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"						1242		14 days
1.								157	52°	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		169	1.0078	0.9608	1.017	2058
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 _____ XXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 1254 P_c^2 1,572,516

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1			41,125	1,531,391
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0269$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0201$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2099$

Absolute Open Flow 2099 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n 0.75

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Doyal Parret	Kenneth E. Roddy	