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: 12-30-80	
Company: SUPRON ENERGY CORPORATION		Connection: Gas Company of New Mexico		
Pool: South Blanco		Formation: Pictured Cliffs		Unit
Completion Date: 12-22-80	Total Depth: 3176	Plug Back TD: 3145	Elevation: 6645	Farm or Lease Name: Jicarilla "J"
Csg. Size: 2.875 / Wt.: 6.50 / d: 2.441 / Set At: 3174		Perforations: From 3066 To 3113		Well No.: 20
Tbg. Size: No Tubing / Wt. / d / Set At		Perforations: From To		Unit: P / Sec.: 26 / Twp.: 26-N / Rge.: 5-W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At		County: Rio Arriba
Producing Thru: Casing	Reservoir Temp. °F: θ	Mean Annual Temp. °F	Baro. Press. – P_a: 12	State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
3056		0.620						

	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"						1008		7 days
1.								97	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		109	1.0078	0.9837	1.000	1336
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 1020 P_c^2 1,040,400

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1			18,976	1,021,424
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0186$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0157$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1357$

Absolute Open Flow 1357 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n 0.85

Remarks: _____

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