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: 8/21/79	
Company: Supron Energy Corporation		Connection: Gas Company of New Mexico		
Pool: South Blanco		Formation: Pictured Cliffs		Unit
Completion Date: 7/10/79	Total Depth: 3165	Plug Back TD: 3148	Elevation: 6581 RKB	Farm or Lease Name: Jicarilla "J"
Csg. Size: 2.875 / Wt.: 6.50 / d: 2.441 / Set At: 3156		Perforations: From 3003 To 3061		Well No.: 16
Tbg. Size: NO TUBING WAS / Wt.: RUN / d: / Set At:		Perforations: From To		Unit: M / Sec.: 26 / Twp.: 26N / Rge.: 5W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: - - -		County: Rio Arriba
Producing Thru: Casing	Reservoir Temp. °F: @	Mean Annual Temp. °F	Baro. Press. – P_a	State: New Mexico
L: 2989	H	Gg: 0.620	% 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"						1002		8 Days
1.								57	54°	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		69	1.0058	0.9837	1.000	844
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 1014 P_c^2 1,028,196

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1			7527	1,020,669
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0074$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0062$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 849$

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DIST. 3

Absolute Open Flow 849 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n 0.85

Remarks: _____

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