NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: XX Initial ☐ Annual ☐ Special			Test Date: 5/2/80	
Company: Supron Energy Corporation	Connection: Southern Union Gathering Company			
Pool: Blanco	Formation: Mesaverde		Unit	
Completion Date: 4-17-80	Total Depth: 4690	Plug Back TD: 4644	Elevation: 5651	Farm or Lease Name: Lester
Csg. Size: 5.500 / Wt.: 15.50 / d: 4.950 / Set At: 4690		Perforations: From 4316 To 4582		Well No.: 1-A
Tbg. Size: 2.0625 / Wt.: 3.25 / d: 1.750 / Set At: 4526		Perforations: From 4520 To 4526		Unit: D / Sec.: 3 / Twp.: 30N / Rge.: 11W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: - - -		County: San Juan
Producing Thru: Tubing	Reservoir Temp. °F	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
4509		0.650						

	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"				1059		1054		7 Days
1.						150	61°	787		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		162	0.9990	0.9608	1.015	1952
2.							
3.							
4.							
5							

NO.	P_r	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.
Critical Temperature _____ R

P_c 1071 P_c^2 1,147,041

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1		799	638,401	508,640
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.2551$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.8402$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 5544$

MAY 1980 OIL CONSERVATION DIVISION DIST. 3

Absolute Open Flow 5544 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n 0.75

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Bennie Brown	John C. Rector	