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: 7/28/78	
Company: SUPRON ENERGY CORPORATION			Connection: Southern Union Gathering Company		
Pool: Blanco			Formation: Mesaverde		Unit
Completion Date: 7/28/78	Total Depth: 7177'		Plug Back TD: 5724'	Elevation: 6436 Gr.	Farm or Lease Name: Seymour
Csg. Size: 4.500 / Wt.: 10.5# / d: 4052 / Set At: 5564			Perforations: From 5110 To 5510		Well No.: 2-A
Tbg. Size: 2.375 / Wt.: 4.7# / d: 1.995 / Set At: 5356			Perforations: From To		Unit: P / Sec.: 26 / Twp.: 31N / Rge.: 9W
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: 5.356	H	Gg: 0.660	% 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"				428		428		7 Days
1.						45	67°	153	67°	3 hrs.
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		57	0.9933	0.9535	1.000	668
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 440 P_c^2 193,600

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		165	27,225	166,375
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1636$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.1203$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 748$

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DIST. 3

Absolute Open Flow 748 Mcfd @ 15.025 Angle of Slope θ _____ Slope, θ 8.75

Remarks: _____

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