

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 9-3-80	
Company SUPRON ENERGY CORPORATION				Connection Southern Union Gathering Company			
Pool Blanco				Formation Mesaverde		Unit	
Completion Date 8-18-80		Total Depth 7800		Plug Back TD 7750		Elevation 6293	
Csg. Size 7.625		Wt. 26.40		d 6.969		Set At 3400	
Tbg. Size 2.0625		Wt. 3.25		d 1.750		Set At 5060	
Perforations: From 4978 To 5638				Well No. 2-A			
Perforations: From 4989 To 4995				Unit Sec. Twp. Rge. D 21 32N 10W			
Type Well - Single - Broadhead - G.G. or G.O. Multiple Dual - Gas - Gas						Packer Set At 7530	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12	
L 4979		H		G _g 0.670		% CO ₂ % N ₂ % H ₂ S	
Prover		Motor Run		Taps			

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
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
SI	2"		3/4"				641		645		14 days
1.							176	68°	587		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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.3650		188	0.9924	0.9463	1.018	2222
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ X X X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 657	P _c ² 431,649				
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{5.9253}{431,649 - 599^2} = 3.7977$
1		599	358,801	72,848	$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n$
2					
3					
4					
5					

Absolute Open Flow 8438 Mcfd @ 15.025		Angle of Slope @		Slope, n 0.75
Remarks:				
Approved By Commission:		Conducted By: Randy Martinez		Calculated By: Kenneth E. Roddy
Checked By:				