

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 8-12-80	
Company SUPRON ENERGY CORPORATION				Connection Southern Union Gathering Company			
Pool Blanco				Formation Mesaverde		Unit	
Completion Date 7-29-80		Total Depth 8400		Plug Back TD 8357		Elevation 6901	
Firm or Lease Name Payne		Well No. 4-A		Perforations: From 5586 To 6298		Perforations: From 5938 To 5944	
Type Well - Single - Brdenhead - G.G. or G.O. Multiple Dual - Gas - Gas		Packer Set At 8180		County San Juan		State New Mexico	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F @		Buro. Press. - P _a	
L 5920	H	G _g 0.670	% CO ₂	% N ₂	% H ₂ S	Prover	Meter 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"				754		754		14 days
1.							221	63°	698		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		233	0.9971	0.9463	1.024	2784
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 766	P _c ² 586,756	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 7.0988$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 12,107$
NO. 1	P _t ² 710	P _w ² 504,100	P _c ² - P _w ² 82,656
2.			
3.			
4.			
5.			

Absolute Open Flow <u>12,107</u> Mcfd @ 15.025		Angle of Slope θ _____	Slope, n <u>0.75</u>
Remarks: _____			
Approved By Commission:	Conducted By: Randy Martinez	Calculated By: Kenneth E. Roddy	Checked By: