

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 3-3-81	
Company SUPRON ENERGY CORPORATION				Connection Southern Union Gathering Company		
Pool Basin				Formation Dakota		Unit
Completion Date 2-25-81		Total Depth 6470		Plug Back TD 6423		Elevation 5724
Firm or Lease Name City of Farmington						Well No. 2-E
Coq. Size 4.500	Wt. 10.50	d 4.052	Set At 6470	Perforations: From 6238 To 6354		Unit Sec. Twp. Rye. D 35 30-N 13-W
Thq. Size 2.375	Wt. 4.70	d 1.995	Set At 6298	Perforations: No Perforations To		
Type Well - Single - Drindhead - G.C. or G.O. Multiple Single					Packer Set At ----	
Producing Thru Tubing		Reservoir Temp. °F #		Baro. Press. - P _a 12		State New Mexico
L 6288	H	Gg 0.650	% 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"				1637		1638		7 days
1.							151	63°	363		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	Flow Q, Mcfd
1	12.3650		163	0.9971	0.9608	1962
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 _____ XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

NO.	P _t ²	P _w	P _t ²	P _t ² - P _w ²	(1) $\frac{P_c^2}{P_t^2 - P_w^2} = 1.0545$	(2) $\left[\frac{P_c^2}{P_t^2 - P_w^2} \right]^n = 1.0405$
1		375	140,625	2,581,875		
2						
3						
4						
5						

Absolute Open Flow 2041			Mcf @ 15.025	Angle of Slope @	Slope, n 0.75
Remarks:					
Approved by Division		Conducted By: Kenneth E. Roddu		Checked By:	