

OIL CONSERVATION DIVISION

Form C-122
Revised 10-1-78STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 12-30-81				
Company SUPRON ENERGY CORPORATION				Connection Southern Union Gathering Company					
Pool Basin				Formation Dakota				Unit	
Completion Date 12-21-81		Total Depth 6340		Plug Back TD 6327		Elevation 5581		Farm or Lease Name City of Farmington	
Csq. Size 4.500	Wt. 10.50	d 4.052	Set At 6340	Perforations: From 6112 To 6308		Well No. 1-E			
Thq. Size 2.375	Wt. 4.70	d 1.995	Set At 6240	Perforations: NO PERFORATIONS From To		Unit Sec. Twp. Rge. I 35 30N 13W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At ---		County San Juan		
Producing Thru Tubing		Reservoir Temp. °F 0		Mean Annual Temp. °F		Baro. Press. - P _g 12		State New Mexico	
L 6230	H	G _g 0.700	% 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"				1545		1500		7 days
1.							250	89°	757		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		262	0.9732	0.9258	1.026	2995
2.							
3.							
4.							
5.							

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

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1		769	591,361	1,832,888	1.3226	1.2332
2						
3						
4						
5						

Absolute Open Flow 3693 Mcfd @ 15.025				Angle of Slope @		Slope, n 0.75	
Remarks:							

Approved By Division	Conducted By: Floyd Woodward	Calculated By: Kenneth E. Roddy	Checked By:
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