

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-127
Revised 10-1-72

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type of Test ☒ Initial ☐ Annual ☐ Special				Test Date 4/21/81	
Company Supron Energy Corporation				Connection	
Pool Basin				Formation Dakota	
Completion Date 4/6/81		Total Depth 7475		Plug Back TD 7442	
Csg. Size 5.500		WI. 20.00		Elevation 7052 G	
Trq. Size 1.900		WI. 2.90		Form or Lease Name Newsom A	
d 4.778		Set At 7474		Well No. 6E	
d 1.610		Set At 7209		Unit Sec. Twp. Rge. G-15-26N-8W	
Type Well - Single - Broadhead - G.G. or G.O. Multiple G - G Multiple				Packer Set At	
Producing Thru Tubing		Reservoir Temp. °F P		Baro. Press. - P _a	
L		H		County San Juan	
Gg est. .650		% CO ₂		State New Mexico	
		% N ₂		Meter Run	
		% H ₂ S		Taps	

FLOW DATA							TUBING DATA		RING 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		Temp. °F	
SI							1514		561		15 days
1.			.750	44		53	44	53			3 Hrs.
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS

Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super. Compres. Factor F _c	Rate of Flow Q, Mcf
12.365		56	1.0068	.9608	1.0000	670

P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	Mcf/Std. Day
				A.P.I. Gravity of Liquid Hydrocarbons	
				Specific Gravity Separator Gas	
				Specific Gravity Flowing Fluid	
				Critical Pressure	
				Critical Temperature	

P _t 1526	P _c 2328676	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0172$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0129$
NO	P _t	P _w	P _w ²
1	3136	198	39376
2			
3			
4			
5			

Absolute Open Flow 679 Mcf @ 15.025 Angle of Slope 0 Slope, n .75

Remarks: Making condensate after 11 minutes.

Approved by Division Conducted By: CRW Calculated By: *Alf Kendrick* Checked by: