

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-127
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 3-23-81				
Company SUPRON ENERGY CORPORATION				Connection El Paso Natural Gas Company					
Pool Basin				Formation Dakota				Unit	
Completion Date 3-11-81		Total Depth 6450		Plug Back TD 6402		Elevation 5794		Farm or Lease Name Angel Peak "B"	
Coq. Size 4.500	Wt. 10.50	d 4.052	Set At 6445	Perforations: From 6155 To 6270		Well No. 26-E			
Trq. Size 2.375	Wt. 4.70	d 1.995	Set At 6237	Perforations: From No Perforations To		Unit Sec. Twp. Rge. P 25 28N 11W			
Type Well - Single - Brodenhead - G.C. or C.O. Multiple Single					Packer Set At ----		County San Juan		
Producing Thru Tubing		Reservoir Temp. °F #		Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L 6227	H	Cg 0.700	% N ₂		% H ₂ S	Prover	Meter Run	Tags	

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"				1041		1044		7 days
1.							109	60°	334		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 F _{sp}	Flow Q, Mscf
1	12.3650		121	1.000	0.9258	1.012	1402
2.							
3.							
4.							
5.							

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

NO.	P _r ²	P _w ²	P _r ² - P _w ²	(1) $\frac{P_r^2}{P_r^2 - P_w^2} =$	(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n =$
1	1056	1,115,136	995,420	1.1203	1.0889
2					
3					
4					
5					

Absolute Open Flow		1527	Mscf @ 15.025	Angle of Slope @	Slope, n	0.75
Remarks:						
Approved by Division						
Conducted By:						
Calculated By:						
Checked By:						