

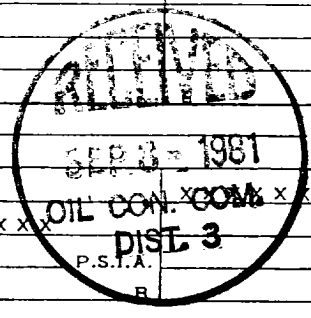
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 9-3-81	
Company SUPRON ENERGY CORPORATION				Connection El Paso Natural Gas Company	
Pool Basin				Formation Dakota	
Completion Date 8-20-81		Total Depth 6492		Plug Back TD 6448	
Elevation 6025		Farm or Lease Name C.J. Holder			
Csq. Size 4.500	Wt. 10.50	d 4.052	Set At 6492	Perforations: From 6244 To 6384	
Tbg. Size 2.375	Wt. 4.70	d 1.995	Set At 6352	Perforations: NO PERFORATIONS	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single				Packer Set At ---	
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F 12	
Baro. Press. - P _g 12		State New Mexico			
L 6342	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.	
SI	2"		3/4"				2195		2218	
1.							412	110°	1186	
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		424	0.9551	0.9258	1.035	4798
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	Critical Temperature	Mcf/bbl.	Deq.
1												
2.												
3.												
4.												
5.												



P _c 2230	P _c ² 4,972,900	
NO.	P _r ²	P _w ²
1	1198	1,435,204
2		
3		
4		
5		

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.4057$

696

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2909$

AOF = Q

$\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 6194$

Absolute Open Flow	6194	Mcf/d @ 15.025	Angle of Slope θ	Slope, n 0.75
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Remarks:

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