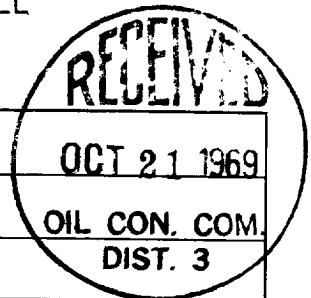


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65



Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 10/17/69			
Company SOUTHERN UNION PRODUCTION CO.				Connection SOUTHERN UNION GAS COMPANY			
Pool BASIN				Formation DAKOTA		Unit 	
Completion Date 9/29/69		Total Depth 7705		Plug Back TD 7675		Elevation 6830 RKB	
Farm or Lease Name JICARILLA "K"		Well No. 10					
Csg. Size 5.500	Wt. 15.50	d 4.950	Set At 7704	Perforations: From 7414 To 7610			
Tbg. Size 1.900	Wt. 2.90	d 1.610	Set At 7507	Perforations: From 7499 To 7507			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple DUAL GAS-GAS				Packer Set At 7301		County RIO ARriba	
Producing Thru TUBING		Reservoir Temp. °F @		Mean Annual Temp. °F 		Baro. Press. - P _a 12	
State NEW MEXICO							
L 7487	H 	G _g .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"				2318			
1.							343	58°		
2.										
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12,3650		355	1.0019	0.9238	1.045	4,255
2.							
3.							
4.							
5.							

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

P _c 2330	P _c ² 5,428,900		
NO.	P _t ²	P _w	P _w ²
1	126,025		1,680,969
2			
3			
4			
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{1.4485}$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{5,618}$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{1.3203}$

Absolute Open Flow 5,618 Mcfd @ 15.025	Angle of Slope θ _____	Slope, n 0.75
Remarks: _____		

Approved By Commission:	Conducted By: KENNETH E. RODDY	Calculated By: KENNETH E. RODDY	Checked By: KENNETH E. RODDY
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