

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

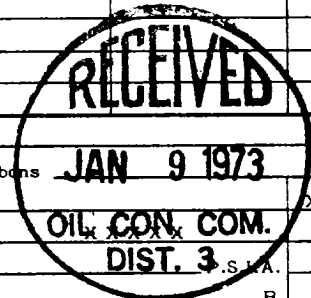
Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 1/3/73	
Company Southern Union Production Co.				Connection Southern Union Gas Company		
Pool Otero				Formation Chacra Extension		Unit
Completion Date 12/9/72		Total Depth 7770		Plug Back TD 7733		Elevation 6967
Farm or Lease Name Jicarilla "K"						Well No. 17
Csg. Size 4.500	Wt. 10.50	d 4.052	Set At 7769	Perforations: From 4174 To 4204		Unit K
Thq. Size NO TUBING TO CHACRA				Perforations: From To		Sec. 12
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual - Gas - Gas				Packer Set At 7396		Twp. 25N
Producing Thru Casing		Reservoir Temp. °F @		Mean Annual Temp. °F 12		Rge. 5W
Baro. Press. - P _a 12		County Rio Arriba		State New Mexico		
L 4164	H	Gg 0.620	% 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"						84.9		12 Days
1.									2	50°	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		14	1.0098	0.9837	1.000	172
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	XXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R



F _c 861	P _c ² 711,321				(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0003$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0002$
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²		
1			207	711,114		
2						
3						
4						
5						

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 172$

Absolute Open Flow 172	Mcfd @ 15.025	Angle of Slope θ	Slope, n 0.75
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Remarks:			

Approved By Commission:	Conducted By: Kenneth J. Roddy	Calculated By: Kenneth J. Roddy	Checked By:
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