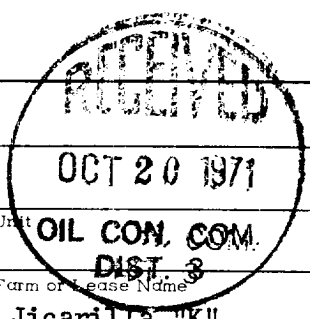


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 10/13/71	
Company Southern Union Production Co.				Connection Southern Union Gas Company		
Pool South Blanco				Formation Pictured Cliffs		
Completion Date 9/16/71		Total Depth 7550		Plug Back TD 7510		
Elevation 6697		Farm or Lease Name Jicarilla "K"		Well No. 14		
Csg. Size 5.500	Wt. 15.50	d 4.950	Set At 7530	Perforations: From 3064 To 3114		Unit Sec. Twp. Rge. 0 11 25N 5W
Tbg. Size No Tubing	Wt. 	d 	Set At 	Perforations: From To		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Triple - Gas - Gas - Gas				Packer Set At 3902 & 7162		County Rio Arriba
Producing Thru Casing		Reservoir Temp. °F @		Mean Annual Temp. °F 		State New Mexico
L 3052	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"						489		27 Days
1.									339	66°	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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.3650		351	0.9943	0.9837	1.029	4368
2							
3							
4							
5							

NO.	P _t	Temp. °R	T _r	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 501	P _c ² 251,001	$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.9937$ $(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.7976$ $ACF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 7852$			
NO.	P _t ²		P _w	P _w ²	P _c ² - P _w ²
1				125,105	125,896
2					
3					
4					
5					

Absolute Open Flow	7851	Mcf @ 15.025	Angle of Slope θ _____	Slope, n 0.85
Remarks: _____				

Approved By Commission:	Conducted By: Kenneth E. Roddy	Calculated By: Kenneth E. Roddy	Checked By: Kenneth E. Roddy
-------------------------	-----------------------------------	------------------------------------	---------------------------------