

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

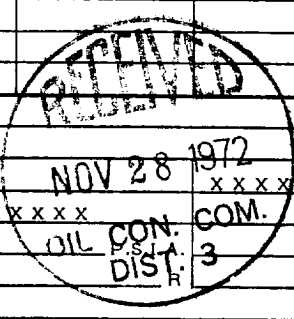
Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 11/22/72				
Company Southern Union Production Co.				Connection Southern Union Gas Company					
Pool Otero				Formation Chacra Ext.				Unit	
Completion Date 11/14/72		Total Depth 3950		Plug Back TD 3925		Elevation 6653		Farm or Lease Name Jicarilla "K"	
Csg. Size 4.500	Wt. 10.50	d 4.052	Set At 3949	Perforations: From 3842 To 3874		Well No. 18			
Tbg. Size 1.900	Wt. 2.90	d 1.610	Set At 3789	Perforations: From To 3789		Unit Sec. Twp. Rge. M 2 25N 5W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual - Gas - Gas					Packer Set At 3789		County Rio Arriba		
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L 3779	H	G _g 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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI	2"		3/4"				881				8 Days
1.							62	56°			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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.3650		74	1.0039	0.9837	1.000	904
2.							
3.							
4.							
5.							

NO.	P _r	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 _____ XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXX
4.					Critical Pressure _____ P.S.I.A.
5.					Critical Temperature _____ R



P _c 893	P _c ² 797,449	
NO.	P _t ²	P _w ²
1		40,237
2		757,212
3		
4		
5		

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0531$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 940$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0395$

Absolute Open Flow 940 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:
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