

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

Form C-122
Revised 1-1-65

Type Test: ☒ Initial ☐ Annual ☐ Special						Test Date: 1-6-75	
Company: Southern Union Production				Connection: Southern Union Gas Company			
Pool: Tapacito				Formation: Pictured Cliffs			
Completion Date: 12-14-74		Total Depth: 7620'		Plug Back To: 7585'		Elevation: 7168 GR	
Farm or Lease Name: Jicarilla "A"				Well No. #17			
Csg. Size: 7 7/8"	WT. 20# & 23#	d 11.60#	Set At: 4115'	Perforations: From 3675'	To 3705'	Unit Sec. Twp. Rgc. E 14 26N 4W	
Thq. Size: 1 1/4"	WT. 2.40#	d	Set At: 3885'	Perforations: From ---	To ---	County: Rio Arriba	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple						Packer Set At: 7512'	
Producing Thru: Tubing		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _a	
L		H		Gg		State: New Mexico	
				% CO ₂		Prover	
				% N ₂		Meter Run	
				% H ₂ S		Taps	

FLOW DATA						TUBING DATA		CASING DATA		Duration	
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	at Flow
SI	2"		3/4"				602		602		7 Days
1.							90		403		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	12.365		90	1.0000	.9258	1.0000	1.030
2							
3							
4							
5							

NO.	P _f	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbon _____ 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 _____ F. _____ F.

P _c 602	P _c ² 362,404	(1) $\frac{P_c^2}{P^2 - P_c^2} = 1.8120$	(2) $\left[\frac{P^2}{P_c^2 - P^2} \right]^n = 1.6496$
NO.	P _f	P _w	P _w ²
1		403	162,409
2			
3			
4			
5			

ACF =	$\left[\frac{P^2}{P_c^2 - P^2} \right]^n = 1.699$
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Absolute Open Flow: 1,699	Mcfd @ 15.025	Angle of Slope: _____	Slope, n: _____
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Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
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