

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 7-20-71	
Company Jerome P. McHugh				Connection			
Pool Tepacito PC				Formation Pictured Cliffs		Unit	
Completion Date		Total Depth 4017		Plug Back TD 3975'		Elevation 7275 KB	
Farm or Lease Name Tiger		Well No. 3		Perforations: From 3891 To 3905		Unit Sec. Twp. Rge. D 27 26N 3W	
Csg. Size 4 1/2"		Set At 4017		Perforations: From Open End To		County Rio Arriba	
Tbg. Size 1 1/4"		Set At 5190		Packer Set At		State New Mexico	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single Gas						Producing Thru	
Reservoir Temp. °F 67		Mean Annual Temp. °F		Baro. Press. - P _a		Taps	
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run

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.	
SI							1037		1037	
1.										
2.										
3.	3/4" Pos. Choke			49		62°			347	
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.							
2.							
3.	8.5417		61	.9981	.9463	1.000	494
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 _____ XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

$P_c = 1049$ $P_c^2 = 1,100,401$				
NO.	P _t ²	P _w	R _w ²	P _c ² - R _w ²
1.				
2.				
3.	359	128.881	976.520	
4.				
5.				

$(1) \frac{P_c^2}{P_c^2 - R_w^2} = 1.1327$

$(2) \left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = 1.1116$

$AOF = Q \left[\frac{R_c^2}{P_c^2 - R_w^2} \right]^n = 549$

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OIL CON. COM.

DIST. 3

Absolute Open Flow _____ Mcfd @ 15.025		Angle of Slope @ _____	
Remarks: <u>Spray Well</u>			
Approved By Commission:	Conducted By: Jacobs	Calculated By: Jacobs	Checked By: