

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

Form C-122
Revised 9-1-65

DEC 26 1972

OIL CON. COM.
DIST 3

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 12-20-72			
Company Jerome P. McHugh				Connection			
Pool Tapacito - P.C.				Formation Pictured Cliffs		Unit	
Completion Date 12-10-72		Total Depth 3915		Plug Back TD 3872		Elevation 7133 RKB	
Farm or Lease Name Tribal							
Csg. Size 4 1/2"	Wt. 9.5#	d 1.380	Set At 3910	Perforations: From 3782 To 3839		Well No. 4	
Tbg. Size 1 1/4"	Wt. 2.4#	d 1.380	Set At 3815 KB	Perforations: From Open End To		Unit Sec. Twp. Rge. E 16 26N 3W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas				Packer Set At		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _g	
State New Mexico							
L	H	Gg .62 est.	% 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							941		941		72
1.											
2.											
3.	3/4" Pos. Ck.			122		55°			631		3 hrs
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							
2							
3	12.365		134	1.0048	.9837	1.012	1657
4							
5							

NO.	P _t	Temp. °R	T _f	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 953	P _c ² 908,209	
NO.	P _t ²	P _w
1		
2		
3	643	413,449
4		494,760
5		

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.8357$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^{n \cdot 85} = 1.6757$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2777$$

Absolute Open Flow 2777	Mcf @ 15.025	Angle of Slope θ	Slope, n .85
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Remarks: Spray of H₂O and condensate.

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