

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLForm C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 5-28-73				
Company Jerome P McHugh					Connection				
Pool Tupper P.C.					Formation Pictured Cliffs				
Completion Date 12-26-72		Total Depth 3894'		Plug Back TD 3812'		Elevation 7141' RKB		Farm or Lease Name Tiger	
Log. Size 4 1/2"	Wt. 9.5#	d	Set At 3889'	Perforations: From 3780' To 3809'			Well No. 4		
Log. Size 1 1/4"	Wt. 2.4#	d 1.038	Set At 3792'	Perforations: From Open End To			Unit Sec. Twp. Rge. G 21 26N 3W		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single Gas					Packer Set At		County Rio Arriba		
Producing Thru Tbr.		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a		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							997		995		7 days
1.											
2.	3/4" B.C.H.		41			60°			262		3 Hrs
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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1							
2	12.365		53	1.000	.9837	1.000	2.55
3							
4							
5							

NO.	P _t	Temp. °R	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1								
2								
3								
4								
5								

NO.	P _t	P _w	P _w ²	P _t ² - P _w ²	(1) $\frac{P_t^2}{P_t^2 - P_w^2} =$	(2) $\left[\frac{P_t^2}{P_t^2 - P_w^2} \right]^n =$
1						
2		274	75,172	728,172		
3						
4						
5						

AOF = Q $\left[\frac{P_t^2}{P_t^2 - P_w^2} \right]^n = 689$

Absolute Open Flow	689	Mcfd @ 15.025	Angle of Slope @	Slope, n	.85
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Remarks:

Approved By Commission:	Conducted By: D. J. ...	Calculated By: J. ...	Checked By:
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