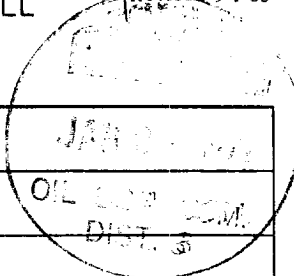


**NEW MEXICO OIL CONSERVATION COMMISSION  
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL**

Form C-122  
Revised 9-1-65



Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special				Test Date 1-23-70	
Company Jerome P McKugh			Connection		
Pool Tappan P.P.		Formation Permian 24.20'		Unit	
Completion Date 12-30-70		Total Depth 3170	Plug Back TD 3175	Elevation 7000'	Farm or Lease Name Tiger
Csg. Size 4 1/2	Wt. 9.5	d 4.012	Set At 3169	Perforations: From 3160 To 3156	
Tbg. Size 1 1/4	Wt. 2.0	d 1.390	Set At 3156	Perforations: From 3150 To 3150	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas				Packer Set At -	
Producing Thru Tbg		Reservoir Temp. °F @	Mean Annual Temp. °F	Baro. Press. - P <sub>a</sub>	State New Mexico
<input checked="" type="checkbox"/>	H	G <sub>g</sub> .85	% CO <sub>2</sub>	% N <sub>2</sub>	% H <sub>2</sub> 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 <sub>w</sub>	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI							1319		1047		
1.											
2.	5/8 Pas choke			122		52°			442		3 Hrs
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P <sub>m</sub>	Flow Temp. Factor Ft.	Gravity Factor F <sub>g</sub>	Super Compress. Factor, F <sub>pv</sub>	Rate of Flow Q, Mcfd
1							
2	8.5417		134	1.0078	.9608	1.014	1124
3							
4							
5							

NO.	P <sub>t</sub>	Temp. °R	T <sub>r</sub>	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.	Specific Gravity Separator Gas _____ X X X X X X X X X	Specific Gravity Flowing Fluid _____ X X X X X	Critical Pressure _____ P.S.I.A.	Critical Temperature _____ R
1										
2										
3										
4										
5										

NO	P <sub>t</sub> <sup>2</sup>	P <sub>w</sub>	P <sub>w</sub> <sup>2</sup>	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2252$	(2) $\left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^{n=1.75} = 1.1884$
1						
2		454	206,116	915,365		
3						
4						
5						

AOF = Q  $\left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1336$

Absolute Open Flow 1336 Mcfd @ 15.025    Angle of Slope  $\ominus$  \_\_\_\_\_    Slope, n .75

Remarks: Very Dry throughout test

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

**JAN 26 1971**