

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 8/14/66	
Company Aztec Oil and Gas				Connection Southern Union Gathering			
Pool Basin Dakota				Formation Dakota		Unit	
Completion Date 8/7/66		Total Depth 7070		Plug Back TD 7032		Elevation 5894 GL	
Farm or Lease Name Culpepper Martin				Well No. 12			
Csg. Size 4 1/2	Wt. 10.5	d 4.000	Set At 7069	Perforations: From 6886 To 7000		Unit Sec. Twp. Rge. N 20 32N 12W	
Tbg. Size 1 1/2	Wt. 2.75	d 1.610	Set At 6850	Perforations: From @ 6855 To open ended			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple GG dual				Packer Set At 6850		County San Juan	
Producing Thru tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		State New Mexico	
L 6850	H	Gg .294	% 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.	
SI	2"		3/4"	7 days			1646			
1.							223	60 (est.)		
2.										
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	12.365		235	1.000	.9258	1.028	2765
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	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 1658	P _c ² 2,748,964	
NO.	P _t ²	P _w ²
1		
2		
3		
4		
5		

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

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \text{_____}$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \text{3683}$$

Absolute Open Flow _____ 3683 _____ Mcfd @ 15.025	Angle of Slope θ _____	Slope, n .75
Remarks: _____		
Approved By Commission:	Conducted By:	Calculated By: ORIGINAL SIGNED BY JOE C. SALMON
		Checked By: