

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 8/15/66				
Company Aztec Oil and Gas				Connection Southern Union Gathering					
Pool Basin Dakota				Formation Dakota				Unit	
Completion Date 8/10/66		Total Depth 7025		Plug Back TD 7010		Elevation 5893 GL		Farm or Lease Name Culpepper Martin	
Csg. Size 4 1/2	Wt. 10.5 11.6	d 4.000	Set At 7025	Perforations: From 6830 To 6919		Well No. 13			
Tbg. Size 1 1/2	Wt. 2.75	d 1.610	Set At 6800	Perforations: From 6805 To open ended		Unit N 29 32N 12W		Twp. Rge. 32N 12W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple GG Dual					Packer Set At 6800		County San Juan		
Producing Thru tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _g		State New Mexico	
Prover 6805		H	Gg	% 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	
1.	2"		3/4"				1657				3 hr
2.							112	60 (est)			
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.							
3.							
4.							
5.							

NO.	P _t	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

$P_c = 2,745.649$				
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1.				66,323 2,679,326
2.				
3.				
4.				
5.				

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

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

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \text{1468}$$

Absolute Open Flow 1468 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: