

**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 4-23-73	
Company AZTEC OIL & GAS COMPANY				Connection SOUTHERN UNION GATHERING		
Pool AZTEC				Formation PICTURED CLIFF		Unit
Completion Date 4-12-73		Total Depth 4940'		Plug Back TD 4940'		Elevation 5911 GR
Farm or Lease Name NYE						
Chq. Size 5 1/2"	Wt. 15.5	d	Set At 4685'	Perforations: From 2466 To 2486		Well No. #3
Teg. Size 1 1/2"	Wt. 2.9	d	Set At 4250'	Perforations: From ---- To ----		Unit Sec. Twp. Rge. L 1 30N 11W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple DUAL				Packer Set At 4250'		County SAN JUAN
Producing Thru CASING		Reservoir Temp. °F @		Mean Annual Temp. °F		State NEW MEXICO
L	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"						365		72
2.									80		3 HOURS
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		92	1.0000	.9258	1.0000	
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/cbl.
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 _r 367 P _c ² 134,689			
NO.	P _r ²	P _w	P _w ²
1.		104	10,816
2.			
3.			
4.			
5.			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0873$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1131$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0737$

Absolute Open Flow 1131 Mcfd @ 15.025		Angle of Slope θ Slope, n	
Remarks:			

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