

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 5/24/67	
Company Aztec Oil and Gas			Connection Southern Union Gas		
Pool Fulcher Kutz			Formation Pictured Cliffs		Unit Reid
Completion Date 5/17/67		Total Depth 1800		Plug Back TD 1774'	Elevation 5630 GR
Csg. Size 3 1/2"	Wt. 7.7#	Set At 1774	Perforations: From 1732 To 1758		Well No. 2
Tbg. Size 1.315	Wt. 1.7	Set At 1742	Perforations: From 1742 To open end		Unit Sec. Twp. Rge. R m 13 29N 12W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple single			Packer Set At		County San Juan
Producing Thru tubing		Reservoir Temp. °F #	Mean Annual Temp. °F		State New Mexico
L	H	Gg	% CO ₂	% N ₂	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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI	2"		3/4	7 day			208		215		
1.											
2.											
3.							10	60 (est)	152	60 (est)	3 hr
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		22	1.000	.9258	1.004	253
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	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 227	P _c ² 51,529	
NO.	P _t ²	P _w
1	22	164
	P _w ²	P _c ² - P _w ²
	26,896	24,633
2		
3		
4		
5		

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 2.0919$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.8726$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 474$$

Absolute Open Flow _____ 474 _____ Mcfd @ 15.025	Angle of Slope @ _____	Slope, n .85
Remarks: _____		
Approved By Commission:	Conducted By:	Calculated By: <i>Joe E. Salmeron</i>
		Checked By:

