

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 7-2-69			
Company Aztec Oil and Gas				Connection Southern Union Gathering			
Pool				Formation Pictured Cliffs		Unit	
Completion Date 6-21		Total Depth 2465		Plug Back TD 2465		Elevation 5943 Gr	
Farm or Lease Name East							
Csg. Size 4 1/2	Wt. 9.5	d	Set At 2465	Perforations: From 2364 To 2390		Well No. 16	
Csg. Size 1"	Wt. 1.7	d	Set At 2363	Perforations: From over ended To		Unit Sec. Twp. Rge. J 26 31 12	
Type Well - Single - Bradenhead - G.G. or G.C. Multiple single				Packer Set At		County San Juan	
Producing Thru		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _a	
						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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI	2		3/4				619		628	
1.							320		323	
2.										
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		335	1.000	.9258	1.044	4004
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 640	P _c ² 409600		
NO.	P _r ²	P _w	P _w ²
1	112225	346	119757
2			
3			
4			
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.4132$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 5372$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.3417$

Absolute Open Flow	5372	Mcf @ 15.025	Angle of Slope @
Remarks:			

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

