

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: 10-18-77	
Company: Aztec Oil & Gas Company		Connection: El Paso Natural Gas Company	
Pool: Aztec		Formation: Pictured Cliffs	
Completion Date: 9-28-77		Total Depth: 4729'	Wellbore ID: 4662'
		Elevation: 5710' GR	Form or Lease Name: Koch State Com
Csg. Size: 7.000 4.500	Wt. 20# 10.50#	d 6.456 4.052	Set At 2483' 2311-4717'
Perforations: From 2142' To 2209'		Well No. #1A	
Log. Size: 1.900	Wt. 2.90#	d 1.610	Set At 2214'
Perforations: From To		Unit Sec. Twp. Rge. I 36-T29N-R9W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple			County: San Juan
Producing Thru: Thg. L H			State: New Mexico
Reservoir Temp. °F @		Mean Annual Temp. °F	Baro. Press. - P _a 12.2
Gg .700	% 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	
SI							780		778		
1.	2" X 3/4"						69		266		1 hr
2.							59		227		2 hrs
3.							55		218		3 hrs
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, Mscf/d
1	12.365		67.2	1.0000	.9258	1.0000	769
2.							
3							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mol/bbl.
1					A.P.L. Gravity of Liquid Hydrocarbon _____ 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

NO.	P _c ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0922$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0778$
1		250.2	52,992	574,589		
2						
3						
4						
5						

Absolute Open Flow 829		Mscf/D 829		Angle of Slope @ _____		Slope .85	
Remarks:							
Approved By Commission:		Conducted By: Klee Terry		Checked By: James Smith		Checked By:	