

**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 6-14-70				
Company Aztec Oil & Gas Company				Connection Southern Union Gathering					
Pool Undesignated				Formation Pictured Cliff					
Completion Date 6-7-70		Total Depth 2978		Plug Back TD 2978		Elevation 6324 Gr			
Farm or Lease Name Davis		Well No. #15		Unit A		Sec. 11		Twp. 31	Rge. 12
Csg. Size 4 1/2"		Wt. 4.9		Set At 2992'		Perforations: From 2880 To 2952			
Tbg. Size 1.315		Wt. 1.7		Set At 2880'		Perforations: From ---- To ----			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At ----		County San Juan		
Producing Thru Casing		Reservoir Temp. °F #		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L		H		G _g		% 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	2		3/4						760		
1.									127		
2.											
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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		127	1.0000	.9258	1.0000	1454
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 _____ XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 772	P _c ² 595,984	
NO	P _t ²	P _w ²
1	139	19,321
2		
3		
4		
5		

$$(1) \frac{P_c^2}{P_t^2 - P_w^2} = 1.0335$$

$$AOF = Q \left[\frac{P_c^2}{P_t^2 - P_w^2} \right]^n = 1495$$

$$(2) \left[\frac{P_c^2}{P_t^2 - P_w^2} \right]^n = 1.0284$$

Absolute Open Flow	1495	Mcf/d @ 15.025	Angle of Slope @ _____	Slope, n _____
Remarks: _____				
Approved By Commission:	Conducted By:	Calculated By:	Checked By:	