

**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 11-4-76	
Company Aztec Oil & Gas			Connection Southern Union Gathering		
Pool Blanco			Formation Mesa Verde		Unit
Completion Date 10-23-76		Total Depth 5695'	Plug Back TD		Elevation 5630' GR
Csg. Size 7.000	Wt. 20#	Set At 3291	Perforations: From 4786 To 5616		Farm or Lease Name Dusenberry
Tbg. Size 4.500	Wt. 10.50#	Set At 3140-5695	Perforations: From To		Well No. #1-A
Tbg. Size 2-3/8	Wt. 4.7	Set At 5607	From To		Unit Sec. Twp. Rge. M 6 31N 11W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single			Packer Set At		County San Juan
Producing Thru Tbg		Reservoir Temp. °F @	Mean Annual Temp. °F		Baro. Press. - P _a 12.2
L	H	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							731		681		
1.	2"	X	3/8"				176		657		
2.							167		635		
3.							165		630		
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		177.2	1.0000	.9258	1.0000	2029
2							
3							
4							
5							

NO.	P _t	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 _____ 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 743.2	P _c ² 552,346			
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		642.2	412,421	139,925
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.9474$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 5.682$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.8005$

Absolute Open Flow 5,682	Mcf @ 15.025	Angle of Slope θ	Slope, n 75
Remarks:			

Approved By Commission:	Conducted By: <i>Bill Farley</i>	Calculated By: <i>James Smith</i>	Checked By: <i>Jim Ryan</i>
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