

**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			
Company Aztec Oil & Gas Company				Connection El Paso Natural Gas Company					
Pool Blanco				Formation Mesaverde				Unit	
Completion Date 7-20-73		Total Depth 8100'		Plug Back TD 8028'		Elevation 6487 GR		Farm or Lease Name Reese Mesa	
Csg. Size 7" 4 1/2"	Wt. 20# & 23# 16.60#	Set At 5830' 5844-8094	Perforations: From 5694 To 5740		Well No. #3				
Tub. Size 2-3/8" 1 1/2"	Wt. 4.7# 1.9#	Set At 7920' 5717'	Perforations: From ---- To ----		Unit Sec. Twp. Rge. H 13 32N 8W				
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Multiple						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	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.		Temp. °F
SI							1000		1000		72
1.	2"		3/4"				130		538		3 Hours
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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.365		130	1.0000	.9258	1.0000	1483
2.							
3.							
4.							
5.							

NO.	P _f	Temp. °R	T _f	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 1000	P _c ² 1,000,000		
NO.	P _t ²	P _w ²	P _c ² - P _w ²
1		538	289,444
2			
3			
4			
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.4073$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1,922$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2920$

Absolute Open Flow 1,922 Mcfd @ 15.025 Angle of Slope @ _____

Remarks: _____

Approved By Commission: _____

Conducted By: _____

Calculated By: *Joe C. Salmon*

Checked By: _____

