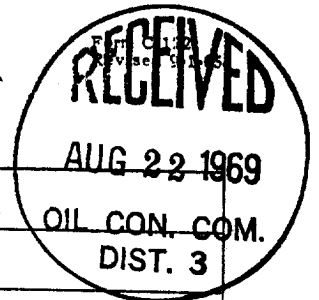


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL



Type Test ☐ Initial <u>OWWO</u> ☐ Annual ☐ Special		Test Date <u>5-28-69</u>	
Company <u>Aztec Oil & Gas Company</u>		Connection <u>Southern Union Gathering</u>	
Pool <u>Blanco</u>		Formation <u>Mesaverte</u>	
Completion Date <u>5-21-69</u>		Total Depth <u>4900</u>	Plug Back TD <u>4900</u>
Elevation <u>5758 Gr</u>		Farm or Lease Name <u>Randleman</u>	
Csg. Size <u>3 1/2</u>	Wt. <u>7.7</u>	Set At <u>3.120</u>	Perforations: From <u>4688</u> To <u>4788</u>
Tag. Size <u>1.99</u>	Wt. <u>2.9</u>	Set At <u>4674</u>	Perforations: From <u>opened</u> To
Type Well - Single - Brasshead - G.C. or G.O. Multiple <u>Single</u>		Packer Set At	Well No. <u>#1</u>
Producing Thru	Reservoir Temp. °F <u>6</u>	Mean Annual Temp. °F	Baro. Press. - P _a <u>New Mexico</u>
L	R	G	Prover
% CO ₂	% N ₂	% H ₂ S	Meter Run
Type			

FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _v	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
1.							792		792		
2.							200		672		
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, Mscf
1.	12.365		2.12	1.000	.9258	1.025	2488
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	P.S.I.A.	Critical Temperature	R
1.												
2.												
3.												
4.												
5.												

NO.	P _r	P _w	P _w ²	P _c ² - P _w ²
1.	44944		400,482	245934
2.				
3.				
4.				
5.				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.6284$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.0641$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 5135$

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.

A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.

Specific Gravity Separator Gas _____

Specific Gravity Flowing Fluid _____

Critical Pressure _____ P.S.I.A.

Critical Temperature _____ R

Absolute Open Flow <u>5135</u>	Mscf @ 15.025	Angle of Slope @ _____	Slope, n _____
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Remarks:

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