

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 6-8-69	
Company Aztec Oil and Gas			Connection Southern Union Gathering		
Pool Pictured Cliffs			Unit Grenier		
Completion Date 6-1-69		Total Depth 3130		Plug Back TD 3130	
Elevation 6433 Gr		Farm or Lease Name Grenier			
Coq. Size 4 1/2	Wt. 9.5	d 3128	Set At 3128		Perforations: From 3062 To 3090
Ing. Size 1"	Wt. 1.7	c 3080	Set At 3080		Perforations: From open ended To
Type Well - Single - Production - G.G. or G.O. Multiple single			Packer Set At		Well No. 20
Producing thru		Reservoir Temp. °F 6	Mean Annual Temp. °F		Unit K 6 31 11
Baro. Press. - P _a		State San Juan		County New Mexico	
L	H	Q _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	
1.	2		3/4				860		874		
2.							781		72		
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super. Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		84	1.000	.9258	1.009	970
2.							
3.							
4.							
5.							

NO.	P _c	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 _____ 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

P _c 886	P _c ² 784996	
NO.	P _c ²	P _w
1	7056	7619
2.		
3.		
4.		
5.		

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0098$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 978$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0082$

Absolute Open Flow _____ 978 _____ Mcfd @ 15.025	Angle of Slope @ _____	Slope, n _____
Remarks: _____		
Approved By Commission: _____	Conducted By: _____	Calculated By: _____
		Checked By: _____

