

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

Form C-122
Revised 1-60

APR 14 1969

**OIL CON. COM.
DIST. 3**

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 4-9-69	
Company <i>Aztec Oil and Gas</i>			Connection <i>El Paso Natural Gas</i>		
Pool <i>Aztec</i>			Formation <i>Pictured Cliffs</i>		Unit
Completion Date 4-3-69		Total Depth 2305	Plug Back TD 2305	Elevation 5853 Gr	Farm or Lease Name <i>Grenier "B"</i>
Csg. Size 4 1/2"	Wt. 0.5	d	Set At 2305	Perforations: From 2224 To 2252	Well No. 7
Tub. Size 1"	Wt. 1.7	d	Set At 2226	Perforations: From open ended To	Unit Sec. Twp. Rge. K 6 29 10
Type Well - Single - Bradenhead - G.G. or G.O. Multiple <i>single</i>				Packer Set At	County <i>San Juan</i>
Producing Thru		Reservoir Temp. °F a	Mean Annual Temp. °F	Baro. Press. - P _a	State <i>New Mexico</i>
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				393		394		
1.							104		49		3 hr
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		61	1.000	.9258	1.009	704
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 _____ 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 406	P _c 2164.836					
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0244$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0206$
1	3721		3941	160895		
2						
3						
4						
5						

Absolute Open Flow <u>718</u> Mcfd @ 15.025				Angle of Slope θ _____	Slope, n _____
Remarks: _____					
Approved By Commission:		Conducted By:		Calculated By: <i>[Signature]</i>	
				Checked By:	