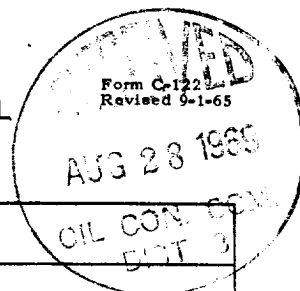


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL



Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 8-25-69	
Company Aztec Oil & Gas Company			Connection El Paso Natural Gas		
Pool Blanco			Formation Mesaverde		Unit
Completion Date 8-18-69		Total Depth 8000	Plug Back TD 8000	Elevation 6646 Gr	Farm or Lease Name Rattlesnake Canyon
Csg. Size 4 1/2	Wt. 10.5	d 8000	Set At 8000	Perforations: From 5914 To 5988	Well No. #1
Tag. Size 1 1/2	Wt. 4.7	d 3535	Set At 3535	Perforations: From Opened To	Unit Sec. Twp. Rgs. N 32 32N 8W
Type Well - Single - Brodenhead - G.G. or G.O. Multiple GG Dual				Packer Set At 3531	County San Juan
Producing Thru		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. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
1.	2		3/4				1018				
2.							250				
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		262	1.000	.9258	1.000	2999
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

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		392	153664	907236
2.				
3.				
4.				
5.				

$P_c = 1030$ $P_c^2 = 1060900$

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1694$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1493$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3.102$

Absolute Open Flow <u>3.102</u> Mcfd @ 15.025		Angle of Slope θ _____	Slope, n _____
Remarks: _____			
Approved By Commission:	Conducted By:	Calculated By: <u>[Signature]</u>	Checked By: