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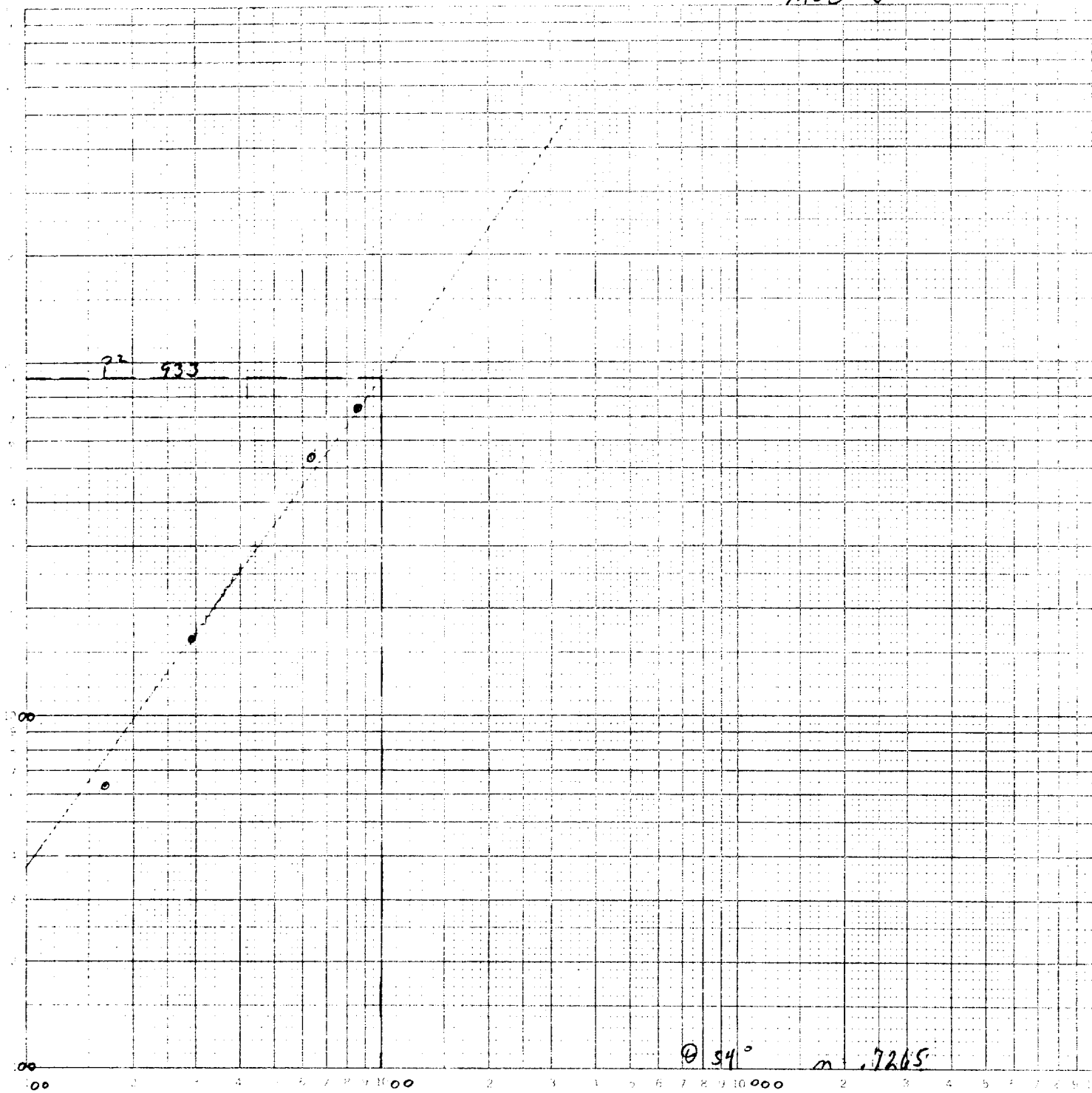
ARTESIAN OFFICE

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

☒ Initial ☐ Annual ☐ Special		Test Date 11-26-84									
Connection AIR											
Formation ABO		Unit									
Completion Date 11-20-84		Total Depth 4215									
Plug Back TD 4155		Elevation 3776' GN									
Coq. Size 4 1/2		Well No. FED #8									
Perforations: From 3729 To 3740		Well No. M 28 5 25									
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE		Packer Set At NONE									
Producing Thru TUBING		State NEW MEXICO									
Reservoir Temp. °F 98 @ 3700		Mean Annual Temp. °F 60									
L H Gg % CO ₂ % H ₂ % H ₂ S Prover Meter Run Taps		.685 2									
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	Duration of Flow
SI						45	875		875		
1.	2		3/52	845		45	852		840		1 hr.
2.	2		1/8	795		45	800		790		"
3.	2		7/32	565		52	569		570		"
4.	2		5/16	387		52	395		395		"
5.											
RATE OF FLOW CALCULATIONS											
NO.	Constant (24 hour)	$\sqrt{h_w P_m}$	Pressure P _{in}	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compression Factor Fpv	Rate of Flow Q, Mhd				
1	.1410		858.2	1.10147	1.2082	1.1173	166				
2	.2648		808.2	1.0147	1.2082	1.1091	291				
3	.8393		578.2	1.0078	1.2082	1.0697	632				
4	1.672		400.2	1.0078	1.2082	1.0460	852				
5											
NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mol./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						
1					XXXXXXXXXX						
2					XXXXXX						
3					P.S.I.A. P.S.I.A.						
4					R R						
5											
P _c 966 P _c ² 933											
NO.	P _r ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2523$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1776$						
1		932	869	64	AOI = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1003$						
2		876	767	166							
3		629	395	538							
4		433	188	745							
5											
Absolute Open Flow 1003 Mhd @ 15.025 Angle of Slope θ 54 Slope, n .7265											
Remarks: BOTTOM HOLE PRESSURE RECORDED W/AMERADA TYPE GAUGE											
Approved By Division Conducted By: KELTIC SERVICES Calculated By: KELLY Checked By:											

Post #D-2
12-14-84
Camp + BK

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MSCFPD