

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

Form C-122
Revised 9-1-65

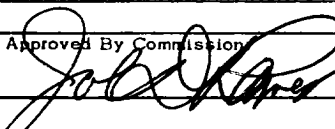
Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 3/15/75	
Company McClellan Oil Corporation				Connection None	
Pool Wildcat				Formation Queen	
Completion Date 2/11/75		Total Depth 2109		Plug Back TD	
				Elevation	
Farm or Lease Name San State					
Csg. Size 4 1/2	Wt. 10.5#	d 4.052	Set At 2109	Perforations: From 2078 To 2090	
Tbg. Size 2 3/8	Wt. 4.7	d 1.995	Set At 2068	Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None	
Producing Thru Tubing				Baro. Press. - P _a 13.2	
Reservoir Temp. °F 60°				State New Mexico	
L	H	Gg .897	% CO ₂ 0.20	% N ₂ 61.36	% H ₂ S ---
				Prover 2"	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									700		72
1.	2	x	3/32	610		49	610	49	614		1
2.	2	x	3/16	475		50	475	50	494		1
3.	2	x	1/4	340		52	340	52	380		1
4.	2	x	3/8	225		53	225	53	261		1
5.											

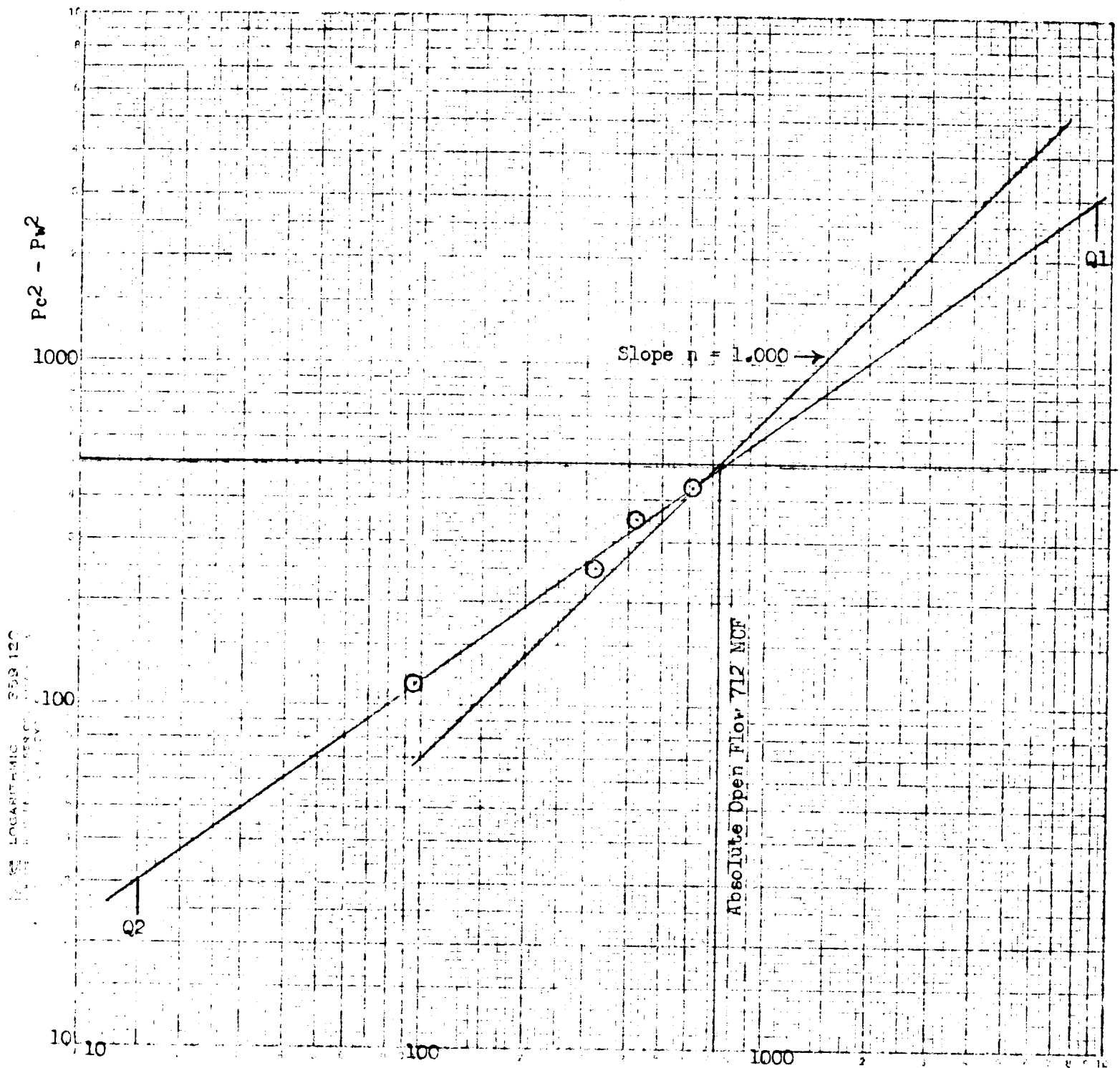
RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	0.1410		623.2	1.011	1.056	1.029	97
2	0.6082		488.2	1.010	1.056	1.022	324
3	1.087		353.2	1.008	1.056	1.016	415
4	2.378		238.2	1.007	1.056	1.011	609
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio 187M Mcf/bbl.
1	1.11	509	1.77	.945	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2	0.87	510	1.78	.957	Specific Gravity Separator Gas .897 X X X X X X X X
3	0.63	512	1.78	.968	Specific Gravity Flowing Fluid X X X X X
4	0.43	513	1.79	.978	Critical Pressure 559 P.S.I.A. _____ P.S.I.A.
5					Critical Temperature 287 R _____ R

NO.	P _t ²	P _w ²	P _r ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.169$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.169$
1		627.2	393.4	115.3		
2		507.2	257.2	251.5		
3		393.2	154.6	354.1		
4		274.2	75.2	433.5		
5						

Absolute Open Flow 712 Mcfd @ 15.025			Angle of Slope θ 45°	Slope, n 1.000
Remarks: _____				
Approved By Commission: 				
Conducted By: Larry Davis		Calculated By: Donna Moller		Checked By: _____

Clellan Oil Corporation
 Sam State No. 1
 Unit A, Sec. 32, T14S, R30E
 Chaves County, New Mexico
 March 15, 1975



Q MCFPD

Log Q1 = 2.95424
 Log Q2 = 1.17609
 $n = 1.78815$

