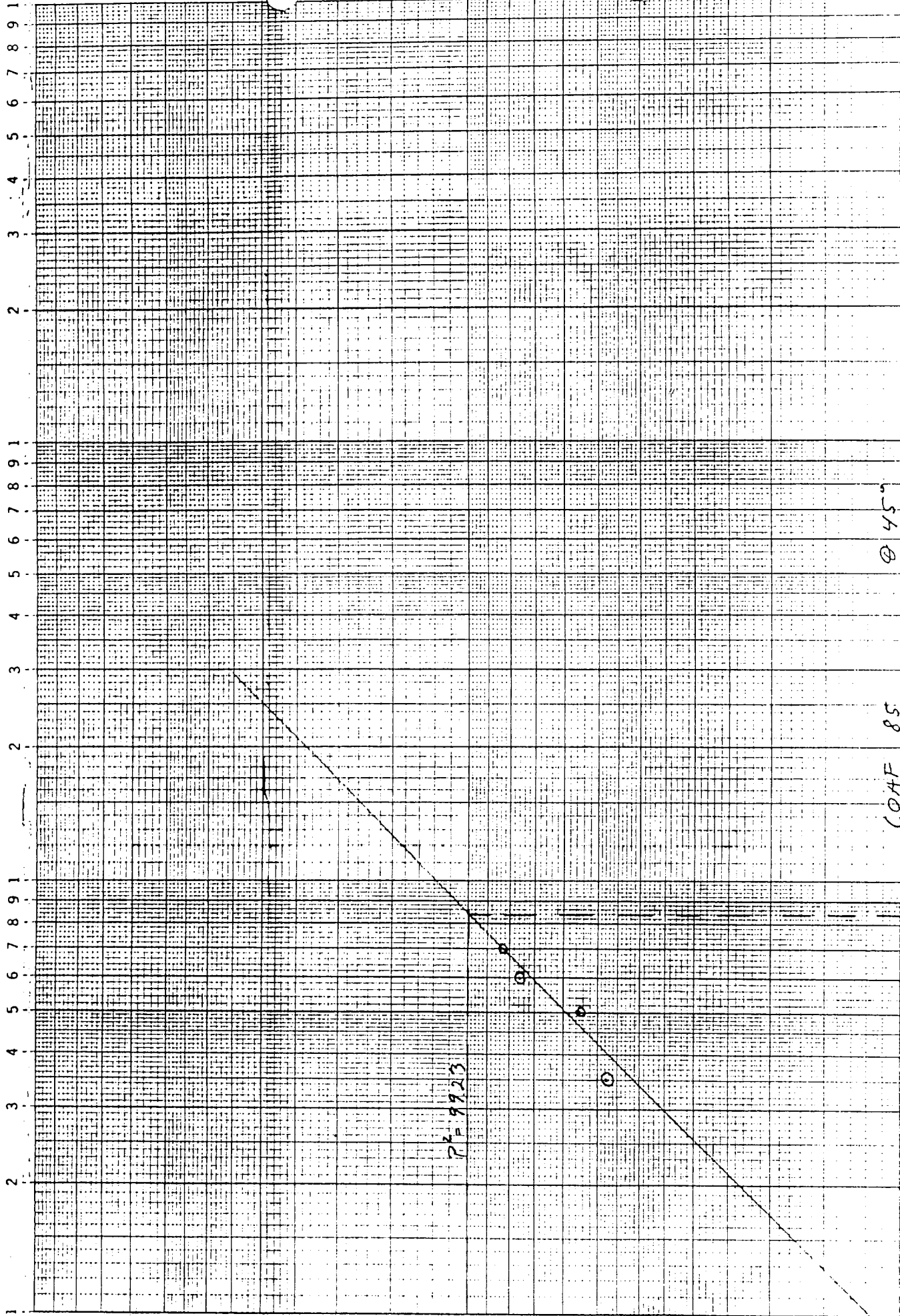


MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR APR 19 1984

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 4/10/84		O. C. D. ARTESIA, OFFICE				
Company McClellan Oil Corporation		Connection Air						
Pool Sams Ranch Grayburg		Formation Premier/Grayburg.		Unit				
Completion Date 4/13/83		Total Depth 2973'		Plug Back TD 2650'				
Elevation 3618' G.L.		Farm or Lease Name Paula Fed.		Well No. 1				
Csg. Size 4 1/2	Wt. 9.5	d 2973'	Set At 2973'	Perforations: From 1872' To 1898'	Well No. 1			
Thq. Size 2-3/8	Wt. 4.7	d 1845'	Set At 1845'	Perforations: From Open To Ended	Unit Sec. Twp. Rge. E 12 14S 28E			
Type Well - Single - Dradhead - G.C. or G.O. Multiple Single			Packer Set At None		County Chaves			
Producing Thru Tubing		Reservoir Temp. °F 60		Baro. Press. - P _g 13.2				
State New Mexico								
L	H	G _g .8	% CO ₂	% N ₂	% H ₂ S			
Prover 2"		Meter Run		Taps				
FLOW DATA								
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w			
1.	2	X	3/4	16	65			
2.	2	X	3/4	28	65			
3.	2	X	3/8	10	65			
4.	2	X	3/8	13	65			
5.								
TUBING DATA								
NO.	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow			
1.	150				1 hr			
2.	92				1 hr			
3.	54				1 hr			
4.	28				1 hr			
5.	19							
CASING DATA								
NO.	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow			
1.								
2.								
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.	1.087		29.2	.995	1.118	1.003	35	
2.	1.087		41.2	.995	1.118	1.004	50	
3.	2.378		23.2	.995	1.118	1.004	61	
4.	2.378		26.2	.995	1.118	1.005	69	
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			
$P_c = 315$ $P_c^2 = 99,23$								
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.193$			(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.193$
1.		226	51	47.8				
2.		210	44	55.3				
3.		153	23	75.8				
4.		126	16	83.2				
5.								
Absolute Open Flow _____ 85 _____ Mcfd @ 15.025								
Angle of Slope @ _____ 45 _____ Slope, n _____ 1 _____								
Remarks: _____ Bottom hole pressures recorded with Amerada type.								
Approved By Division _____ Conducted By: _____ Keltic Services _____ Calculated By: _____ Kelly _____ Checked By: _____								



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MSCPP