

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 9-10-87	
Company McCLELLAN OIL CORP.		Connection AIR	
Pool S. P. Slope Abo		Formation ABO	
Completion Date 9-11-87	Total Depth 4390	Plug Back TD 4365	Elevation 3598 GL
Form or Lease Name RICK "FED"			Well No. 2
Csg. Size 4 1/2	Wt. 9.5 + D.5	Set At 4365	Perforations: From 3975 To 4187
Thq. Size 2 3/8	Wt.	Set At 4280	Perforations: From To
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE		Packer Set At NONE	County CHAVES
Producing thru TUBING	Reservoir Temp. °F 60	Mean Annual Temp. °F 13.2	State NEW MEXICO
L	H	Gg .65	% CO ₂ % N ₂ % H ₂ S Prover 2"
FLOW DATA TUBING DATA CASING DATA Duration of Flow			
NO.	Prover Line Size	X	Orifice Size
SI			
1.	2	X	1/8
2.	2	X	7/32
3.	2	X	1/4
4.	2	X	7/16
5.			
RATE OF FLOW CALCULATIONS			
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m
1.	.2648		923.2
2.	.8393		723.2
3.	1.0870		718.2
4.	3.408		543.2
5.			
NO.	P _r	Temp. °R	T _r
1.			
2.			
3.			
4.			
5.			
Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl. A.P.I. Gravity of Liquid Hydrocarbons _____ Deg. Specific Gravity Separator Gas _____ Specific Gravity Flowing Fluid _____ Critical Pressure _____ P.S.I.A. P.S.I.A. Critical Temperature _____ R R			
P _c 1033.2 P _c ² 1067.5			
NO.	P _i ²	P _w	P _w ²
1		991	982
2		946	920
3		916	863
4		668	464
5			
(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.77$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.56$			
AOR = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3773$			
Absolute Open Flow 3773		Mcf @ 15.025	Angle of Slope 52°
Slope, n .78			
Remarks: BOTTOM HOLE PRESSURE IS RECORDED WITH AN AMERADA TYPE GAUGE.			
Approved By Division		Conducted By: KELTIC SERVICE	Calculated By: J.M. KELLY
		Checked By:	

Post ID 2
9-25-87
comp + BK

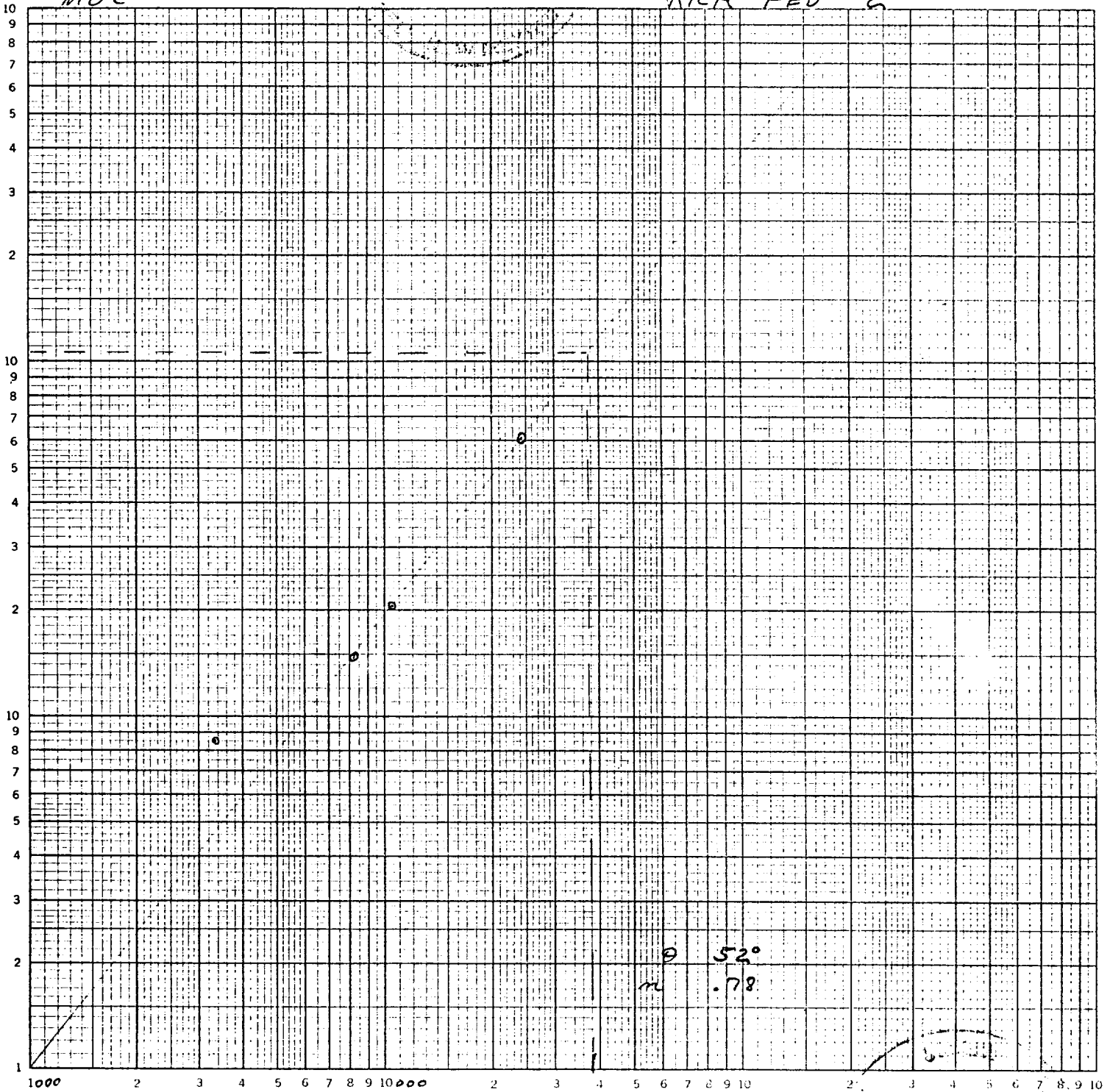
SEP 13 1987

MOC

RICK FED #2

46 7400

K-E LOGARITHMIC 3 X 3 CYCLES
KEUFFEL & ESSER CO. MADE IN U.S.A.



Q
MSCFPD