

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL RECEIVED

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 7-25-89		AUG 02 '89	
Company McCLELLAN OIL CORP. ✓						Connection AIR			
Pool S. Pecos Slope ABO						Formation ABO		Unit O. C. D. ARTESIA OFFICE	
Completion Date 7-25-89		Total Depth 4350		Plug Back TD 4340		Elevation 3594 G. L.		Farm or Lease Name MM <i>Red Corn</i>	
Cq. Size 4 1/2	Wt. d	Set At 4340	Perforations: From 3987 To 4201		Well No. 10				
Thq. Size 2-3/8	Wt. d	Set At 4030	Perforations: From OPEN To ENDED		Unit A		Sec. 35	Twp. 9S	Rge. 25E
Type Well - Single - Drdendhead - G.G. or G.O. Multiple SINGLE						Packer Set At NONE		County CHAVES	
Producing Thru TUBING		Reservoir Temp. °F #		Mean Annual Temp. °F 60		Baro. Press. - P _a 13.2		State NM	
L	H	Cq .64	% CO ₂	% N ₂	% 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.	
SI							847			
1.	2		1/16	830		65	830			
2.	2		3/32	805		65	805			1 hr.
3.	2		3/16	745		65	745			"
4.	2		1/4	620		65	620			"
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	.06405		843.2	.9952	1.25	1.0834	73
2	.1410		818.2	.9952	1.25	1.0807	155
3	.6082		758.2	.9952	1.25	1.0744	616
4	1.0870		633.2	.9952	1.25	1.0612	909
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 927.2 P _c ² 859.7				(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.256$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.00$	
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²			
1		916.2	839	20			
2		888.2	789	71			
3		825.2	681	179			
4		692.2	479	381			
5							

AOG = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1821$

*Post ID-2
8-4-89
comp + BK*

Absolute Open Flow	1821	Mcfd @ 15.025	Angle of Slope @	49.4	Slope, n	8541
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Remarks: ALL BOTTOM HOLE PRESSURES DONE WITH AMERADA TYPE GAUGE.

Approved By Division	Conducted By: KELTIC SERVICES	Calculated By: MIKE KELLY	Checked By:
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McClellan DIL

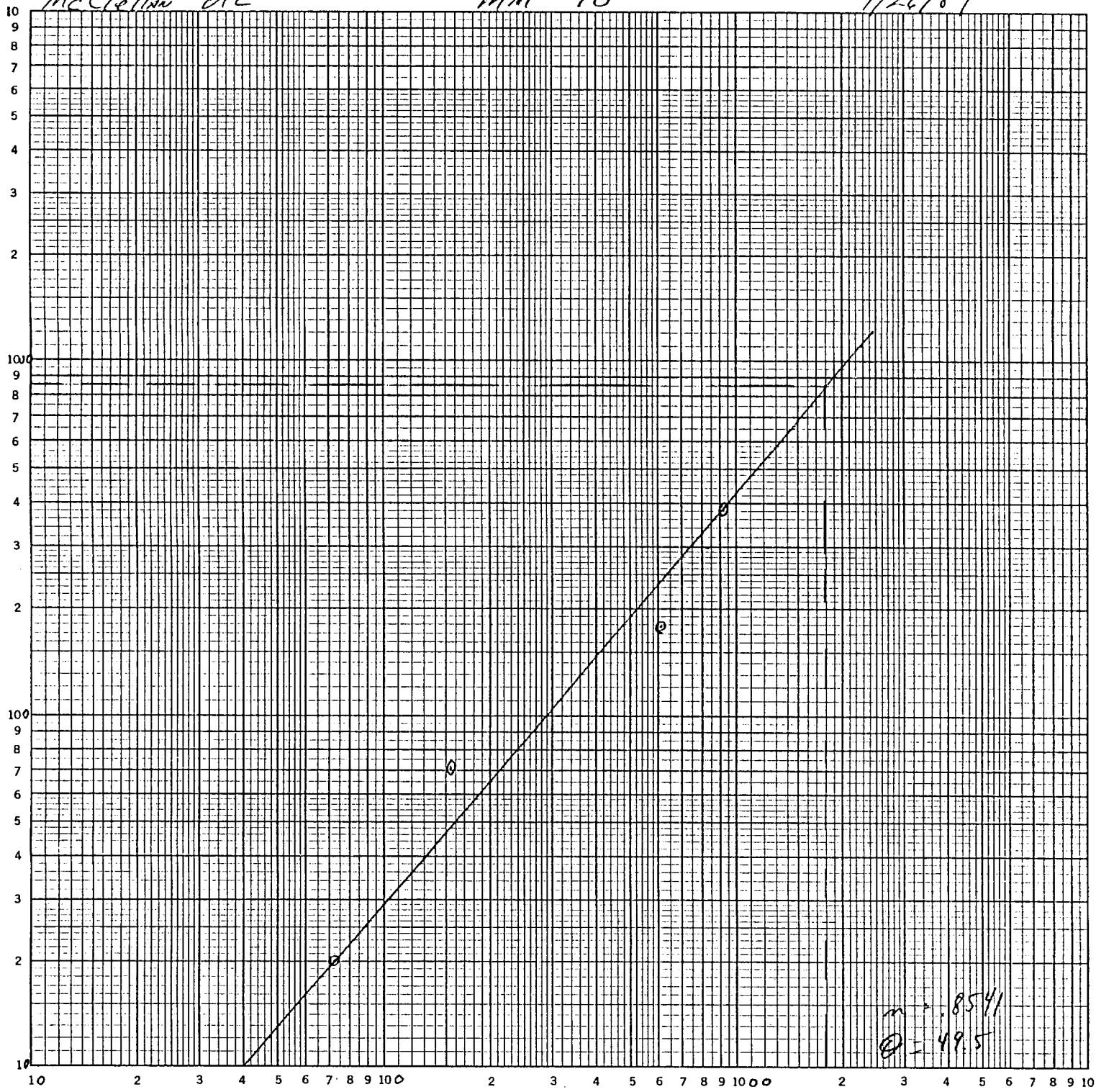
MM #10

7/26/89

P - F (sec)

46 7400

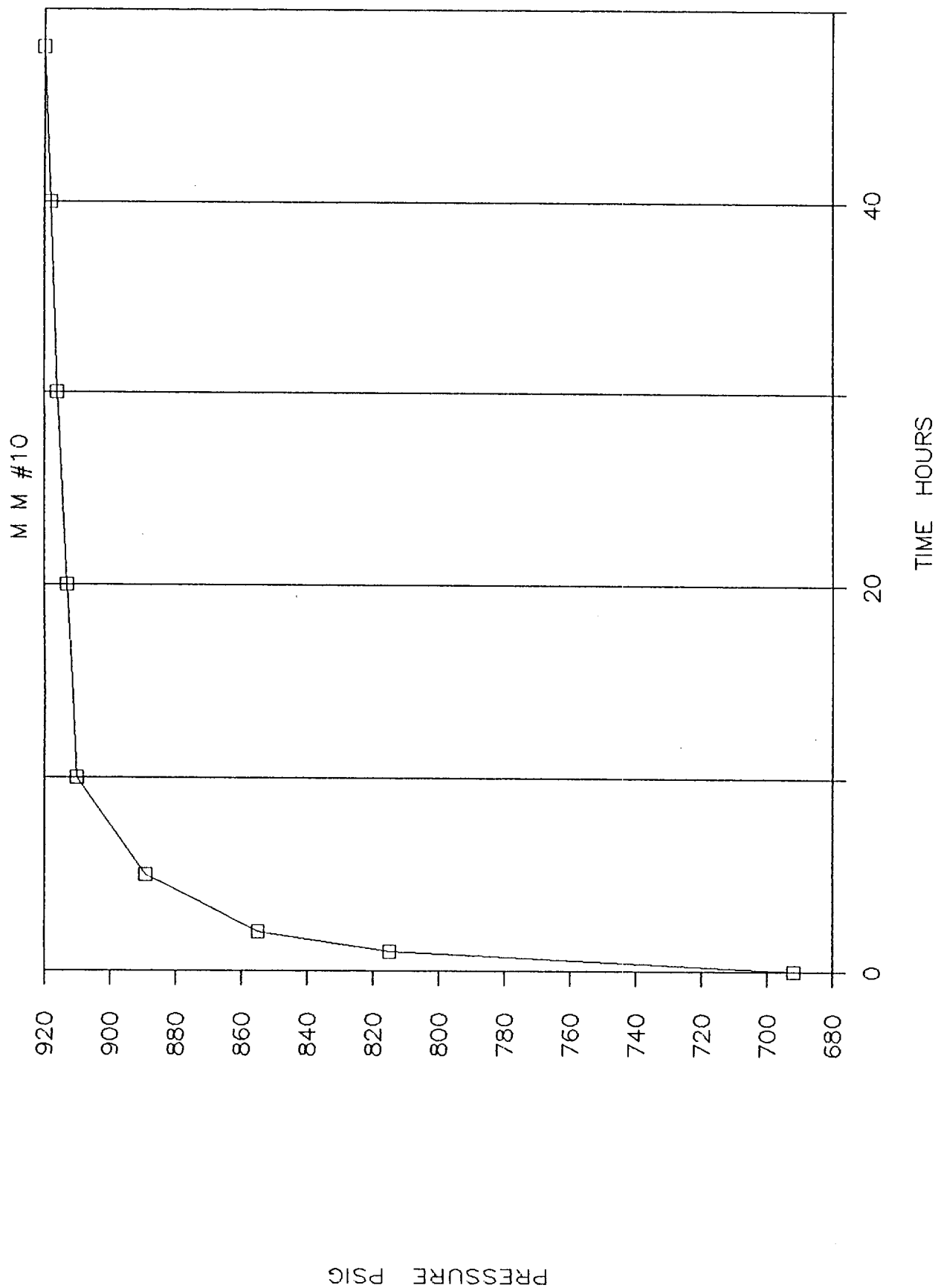
K_{SE} LOGARITHMIC 3 X 3 CYCLES
KEUFFEL & ESSER CO. MADE IN U.S.A.



$m = .8541$
 $\theta = 49.5$

Q

McCLELLAN OIL



KELTIC SERVICES

COMPANY	McCLELLAN OIL	DATE	JULY 25-27, 1989
LEASE	M M	WELL #	10
DEPTH	4100	SITP	847 PSIG
		SICP	PSIG

TIME HOURS	PRESSURE PSIG
0	692
1	815
2	855
5	889
10	910
20	913
30	916
40	918
48	920