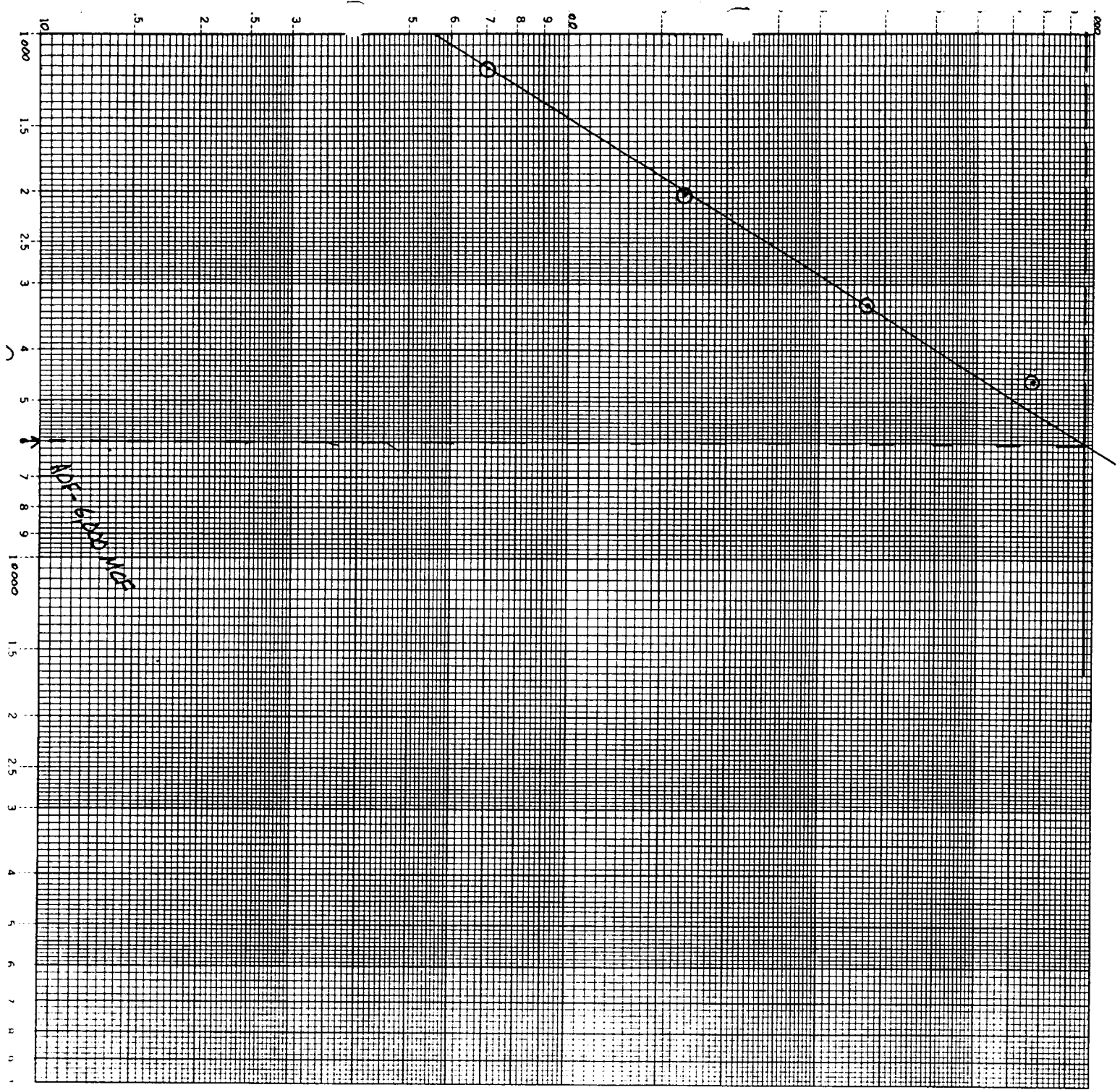
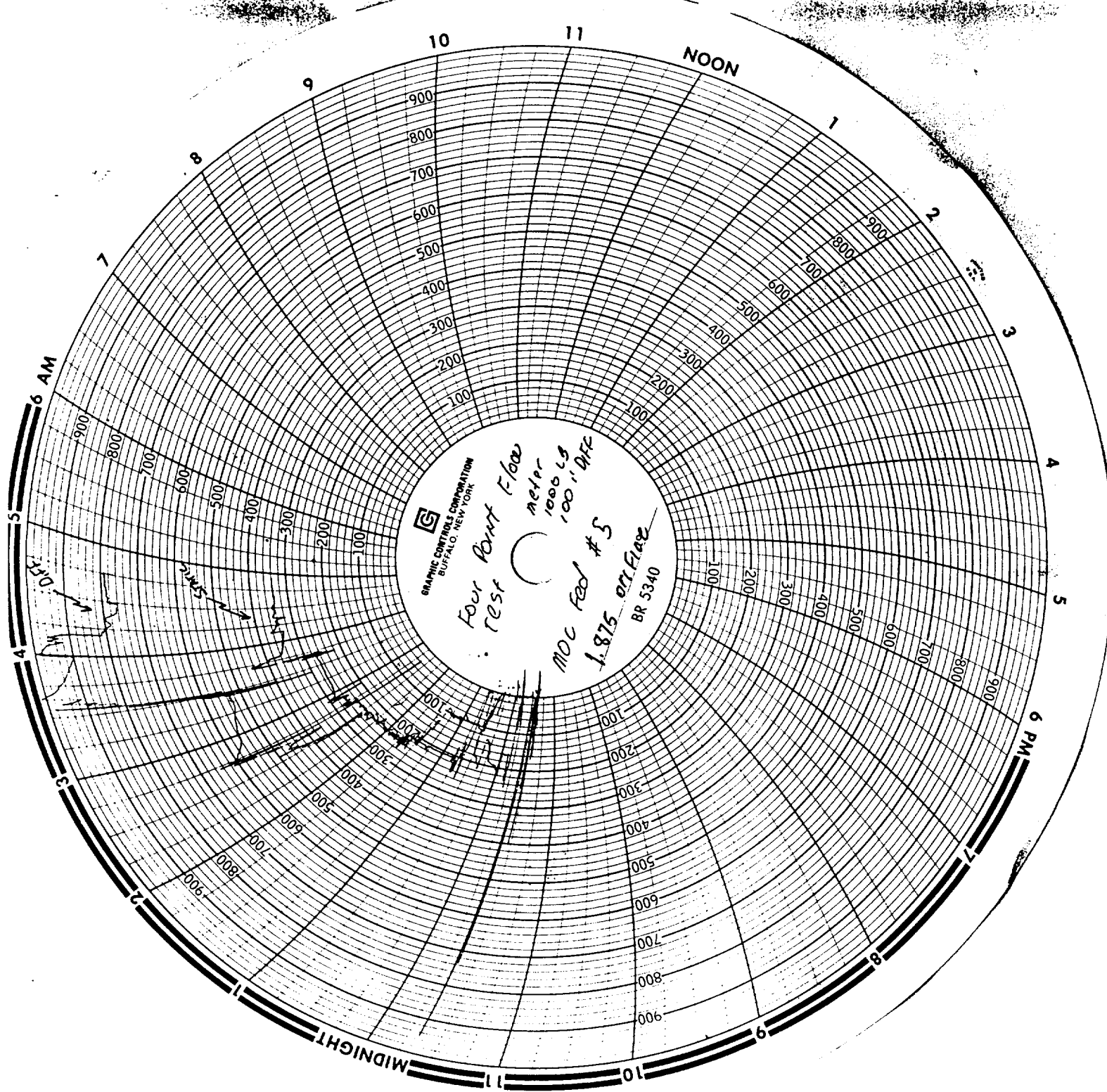


MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

45F
File

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 6/14/83									
Company McClellan Oil Corporation		Connection Air									
Port Ecos Slope <i>Abo</i>		Formation Abo									
Completion Date 10/08/83 - 6-13-83		Total Depth 4200'									
Plug Back TD 4150'		Elevation 3848' 3837'									
Cac. Size 4-1/2"		Well No. 5									
Wt. 10.5		Set At 4150'									
Perforations: From 3796' To 3997'		Well No. 5									
Perforations: From To		Unit B									
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single gas well		Packer Set At none									
Producing Thru Tubing		Reservoir Temp. °F 98 @ 3770'									
Mean Annual Temp. °F 60		Baro. Press. - P _g 13.2									
State New Mexico		County Chaves									
L H G _g .65		% CO ₂ % N ₂ % H ₂ S									
Prover 4.026		Meter Run Taps F16									
FLOW DATA											
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	Duration of Flow
1.	4.026		1.875	205	11	90	950	78	950		1 hr.
2.	4.026		1.875	230	24	80	900		900		"
3.	4.026		1.875	279	53	92	775		775		"
4.	4.026		1.875	340	80	86	450		450		"
5.											
RATE OF FLOW CALCULATIONS											
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd				
1	22.9	43.487	205	.9723	1.240		1311				
2	22.9	74.297	230	.9813	1.240		2047				
3	22.9	119.624	270	.9706	1.240		3296				
4	22.9	104.924	340	.9759	1.240		4570				
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 _____ 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 987 P _c ² 974.16											
NO.	P _r ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.262$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.16$						
1	950	950	902.50	71.06	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 6,000$						
2		900	810	164.16							
3		775	600.62	373.54							
4		450	202.5	771.66							
5											
Absolute Open Flow 6000 Mcfd @ 15.025								Angle of Slope θ 58°			
Slope, n 1.60											
Remarks:											
Approved By Division _____ Conducted By: _____ Calculated By: Rick Hipp _____ Checked By: _____											





McCLELLAN OIL CORP

MOC FEDD #5

JUNE 15 1983

24 HOUR BUILD UP 4 PT.

KELTIC SERVICES INC

COMPANY McCLELLAN OIL CORP
LEASE MOC FED.
FIELD PECOS SLOPE
SHUT IN TUBING PRESSURE
BOMB NUMBER 792

DATE 6/14/83
WELL NUMBER #5
FORMATION ABO
987 PSIG
CASING PRESSURE
OPERATOR RH

DEPTH 3850 FEET
987 PSIG

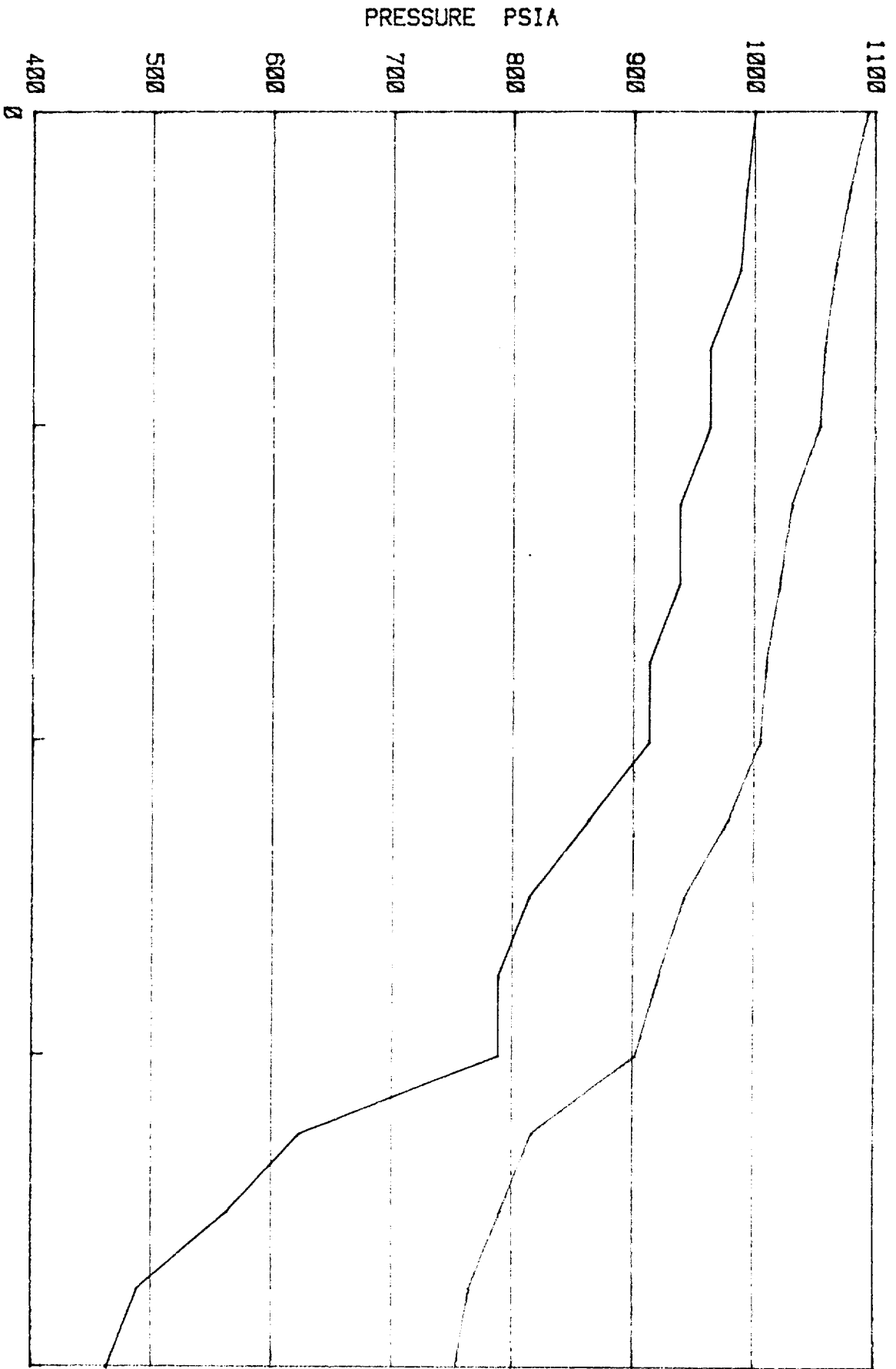
POINT	TIME HOURS	PRESSURE B. H.	PSIA W. H.	FLOW RATE MSCFPD
01	0.00	1094.20	1000.20	
02	.25	1079.20	993.20	
03	.50	1067.20	988.20	
04	.75	1058.20	963.20	
05	1.00	1054.20	963.20	897
06	1.25	1031.20	938.20	
07	1.50	1021.20	938.20	
08	1.75	1010.20	913.20	
09	2.00	1005.20	913.20	1421
10	2.25	979.20	863.20	
11	2.50	942.20	813.20	
12	2.75	921.20	788.20	
13	3.00	902.20	788.20	2226
14	3.25	816.20	623.20	
15	3.50	790.20	563.20	
16	3.75	764.20	488.20	
17	4.00	753.20	463.20	3168

THANK YOU

McCLELLAN OIL CORP

MOC FED. #5

6/14/83



KELTIC SERVICES

KELTIC SERVICES INC

COMPANY McCLELLAN OIL CORP
 LEASE MOC FED.
 FIELD PECOS SLOPE
 DEPTH 3850 FEET
 TUBING PRESSURE 987 PSIG
 FLOW RATE 3168 MSCFPD
 BOMB NUMBER 792

DATE JUNE 14-15 1983
 WELL NUMBER #5
 FORMATION ABO
 PRODUCTION TIME 3 HOURS
 CASING PRESSURE 987 PSIG
 TOTAL PRODUCTION 396 MSCF
 OPERATOR CHUCK

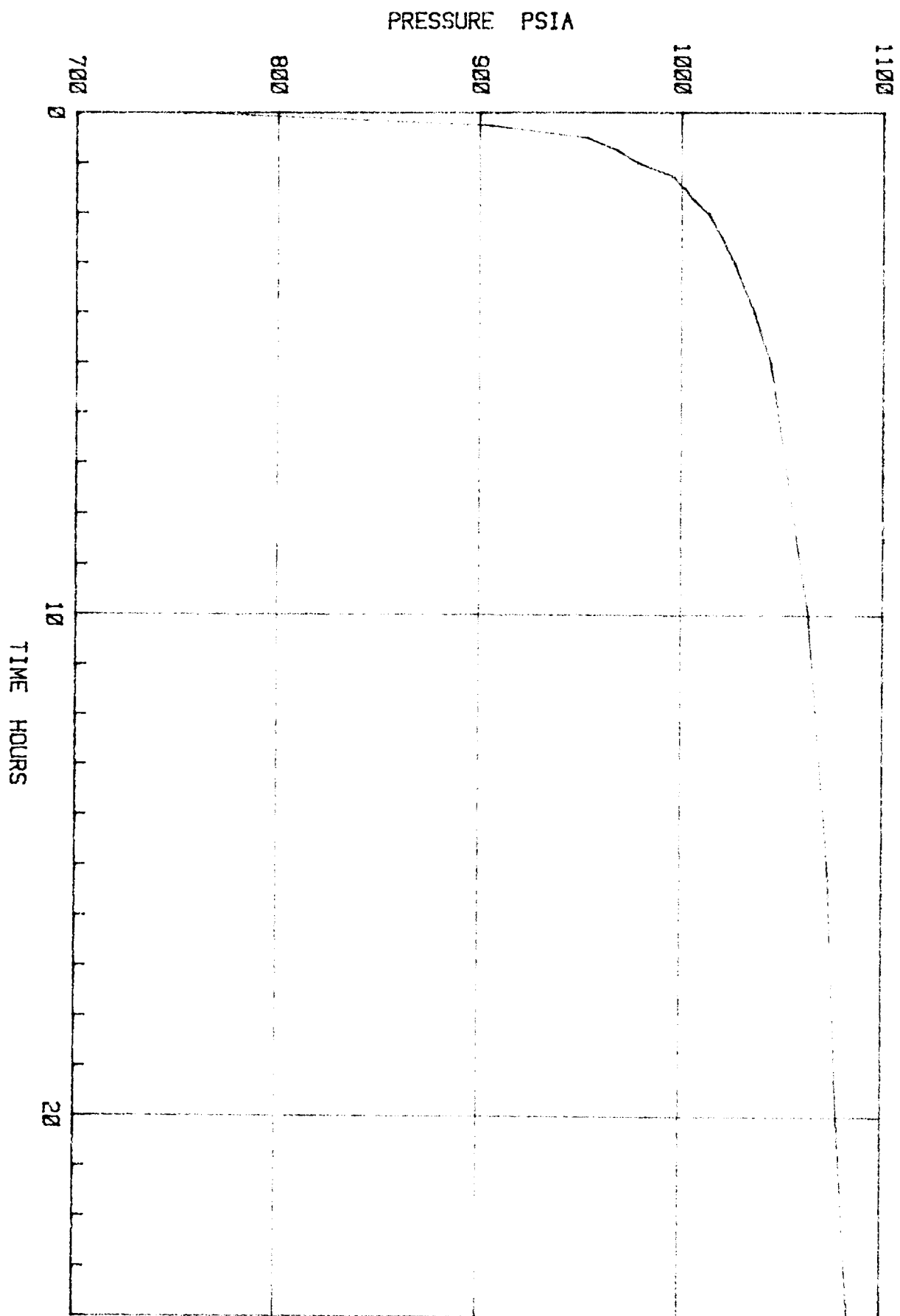
POINT	TIME HOURS	PRESSURE PSIA	T+T1/T1
1	0.00	753.20	0.0000
2	.25	905.20	13.0000
3	.50	953.20	7.0000
4	.75	968.20	5.0000
5	1.00	978.20	4.0000
6	1.25	995.20	3.4000
7	1.50	1001.20	3.0000
8	1.75	1006.20	2.7143
9	2.00	1013.20	2.5000
10	2.50	1020.20	2.2000
11	3.00	1026.20	2.0000
12	4.00	1036.20	1.7500
13	5.00	1044.20	1.6000
14	10.00	1063.20	1.3000
15	15.00	1073.20	1.2000
16	20.00	1078.20	1.1500
17	24.00	1084.20	1.1250

THANK YOU

McCLELLAN OIL CORP

MOC FED. #5

JUNE 14-15 1983



KELTIC SERVICES

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COMPANY McCLELLAN OIL CORP
 LEASE MOC FED.
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THANK YOU