

SUMMARY OF WELL "LOG-OFF" FLOW TEST DATA

Doyle Hartman So. Empire State No. 1
 Section 24 (M), T-17-S, R-28-E
 Empire Morrow, South

3
 8226
 O. Hartman
 8 Aug '84

Date	Time	Choke Size, Ins.	Pressures, psia		Stock Tank Gauge Ft.-Ins.	Cum. Liq. Production BBL	Liquid Production		Calculated	
			Tubing	Casing			BBL/Day	BBL/MMCF	Pc psia	"C" MCF/Day/psia ²
7-12-84	16:00	11/64	833.2	1035.2	6' 11"	0	10.43	18.46	838.8	6.495×10^{-2}
7-13-84	14:30	11/64	834.2	1042.2	7' 2½"	9.78	0	0	869.4	8.521×10^{-3}
7-13-84	15:30	9/64	838.2	1048.2	7' 2½"	9.78	1.56	4.39	344.5	Negative
7-14-84	13:00	9/64	674.2	1074.2	7' 3"	11.18	0	0	6/6.9 1116.2	3.241×10^{-4}
7-15-84	13:00	9/64	653.2	1094.2	7' 3"	11.18	0	0	-	-
7-15-84	15:00	Shut In	788.2	1096.2	7' 3"	11.18	0	0	570.5	Negative
7-15-84	19:00	12/64	898.2	1054.2	7' 3"	11.18				

CHART ON JULY 12, 1984
4:00 PM

RATE 619 MCF

LINE PRESSURE 616 psi

TUBING PRESSURE 820 psi

CASING PRESSURE 1022 psi

STOCK TANK 6' 11"

CHOCK 1 1/4

CHART ON JULY 12, 1984
3:30 PM

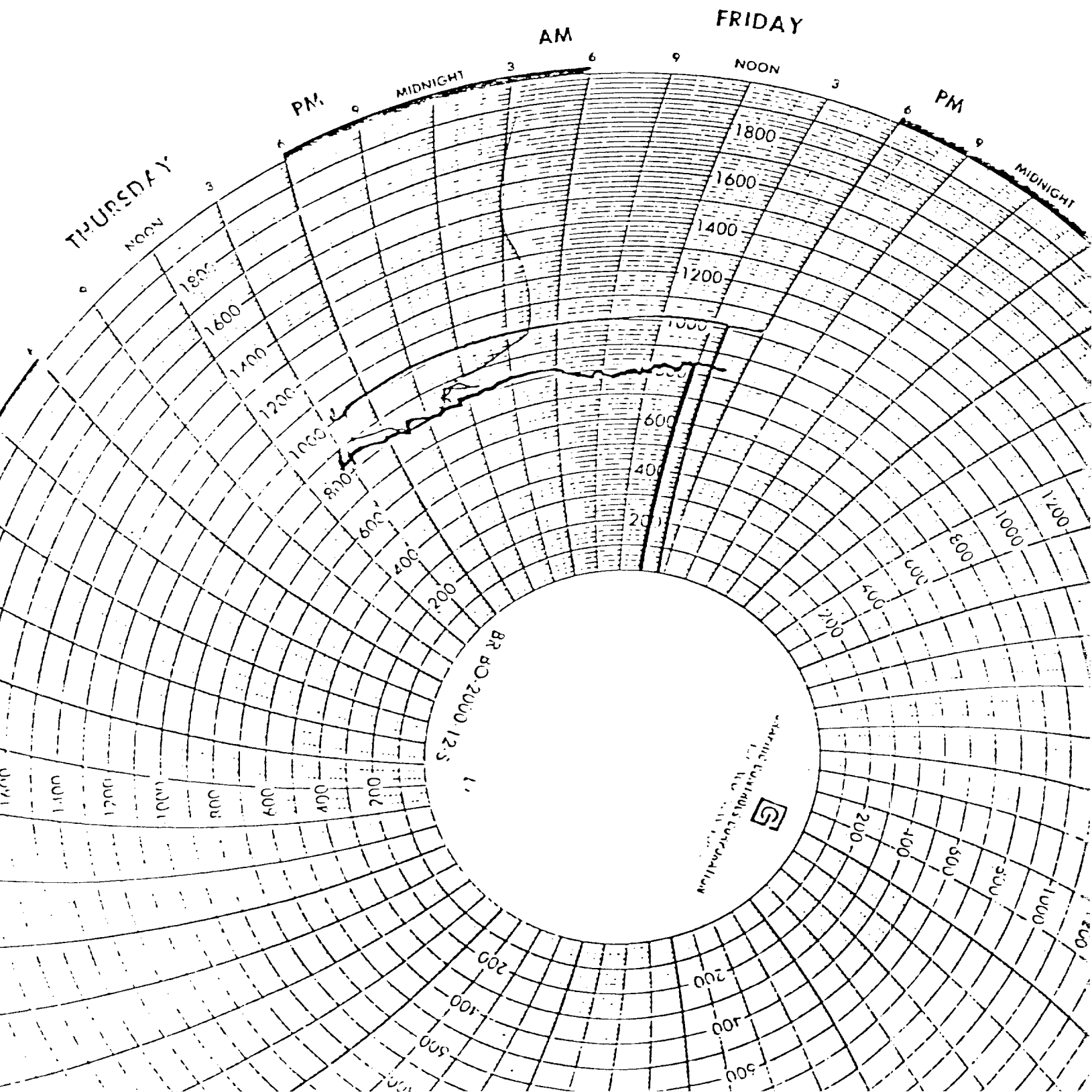
RATE 511 MCF

LINE PRESSURE 624 psi

TUBING PRESSURE 821 psi

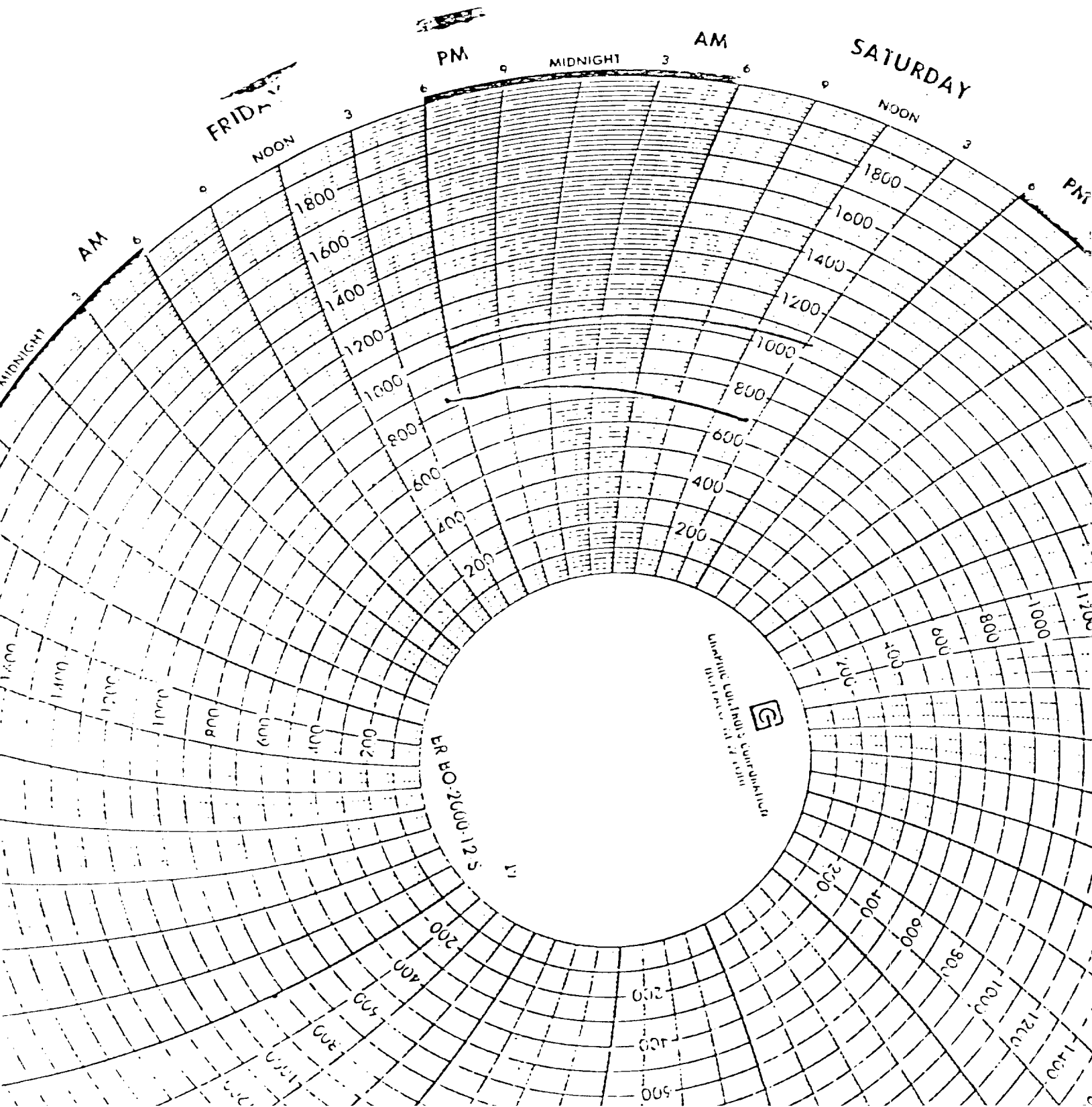
CASING PRESSURE 1029 psi

STOCK TANK 7' 2 1/2"



HART ON JULY 1951
3:30 PM
RATE 454 MCF
LINE PRESSURE 624 psi
TUBING PRESSURE 825 psi
CASING PRESSURE 1035 psi
STOCK TANK 7' 2 1/2"
MOCK 9/64

1:00 1 1
RATE 258 MCF
LINE PRESSURE 608 psi
TUBING PRESSURE 661 psi
CASING PRESSURE 1061 psi
STOCK TANK 7' 3"



HEART ON JULY 17, 1984
1:00 PM
RATE 258 MCF
LINE PRESSURE 608 psi
TUBING PRESSURE 661 psi
CASING PRESSURE 1061 psi
STOCK TANK 7' 3"
CHOCK 9/64

Reading on JULY 15, 1984
1:00 PM
RATE 170 MCF
LINE PRESSURE 624 psi
TUBING PRESSURE 640 psi
CASING PRESSURE 1081 psi
STOCK TANK 7' 3"

CHART OFF JULY 15, 1984
7:00 PM
RATE 810 MCF
LINE PRESSURE 624 psi
TUBING PRESSURE 885 psi
CASING PRESSURE 1041 psi
CHOCK 12/64

