

ANADARKO PETROLEUM CORP.

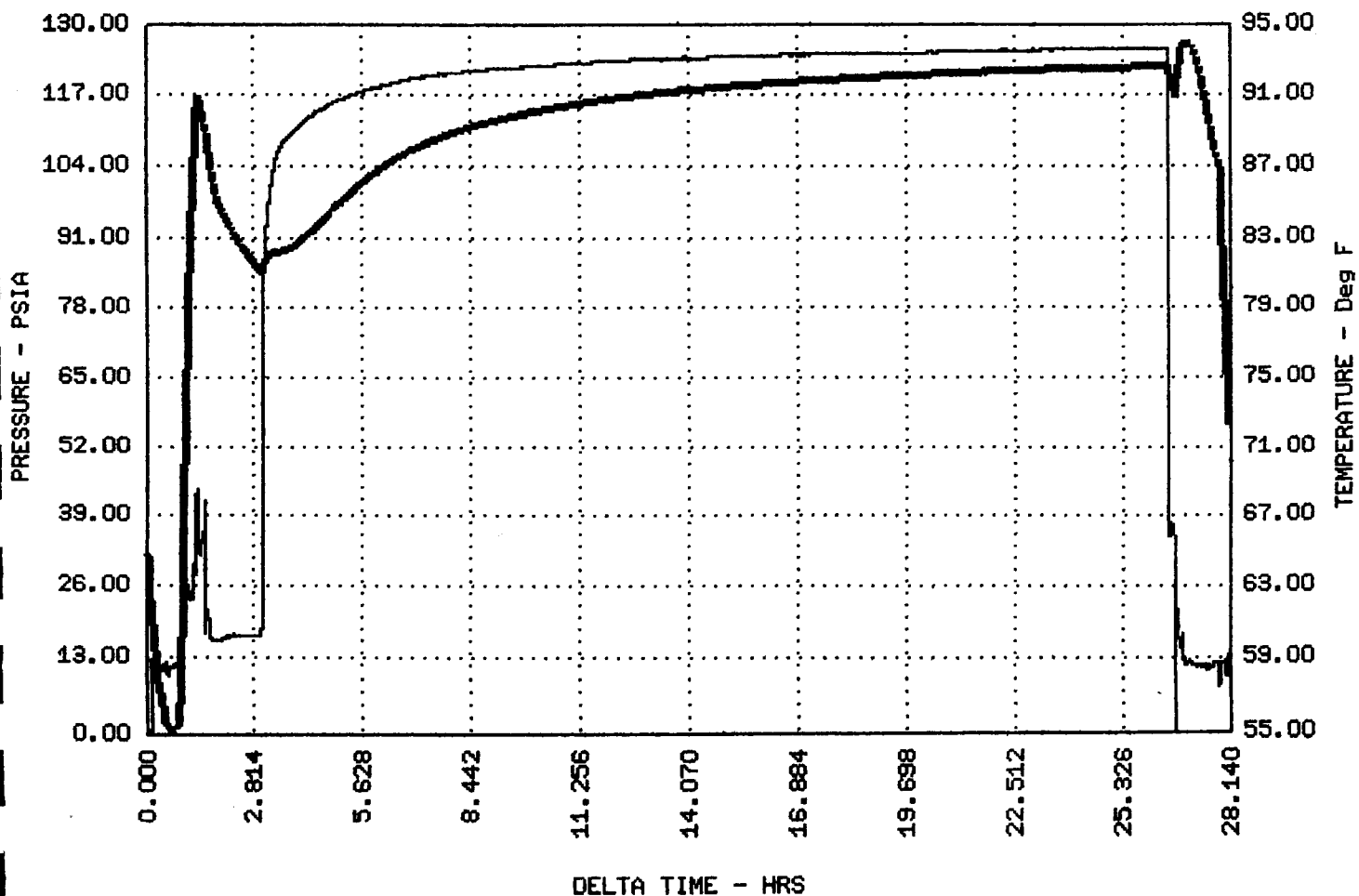
FLOWER 'A' #1  
SW 25-31S-38W  
STEVENS CO., KANSAS

CHASE SERIES

# WELL TEST DATA

COMPANY: PRECISION WELL TESTING  
CLIENT: ANADARKO PETROLEUM CORP.  
GAUGE NUMBER: 86059  
WELL NAME: FLOWER 'A'  
WELL NUMBER: 1  
TEST NUMBER: HERRINGTON (2441-2488)  
LOCATION: SW 25-31S-38W STEVENS CO., KS.  
TEST OPERATOR: HELM  
COMMENTS: LOWER GAUGE SET AT 2485'.

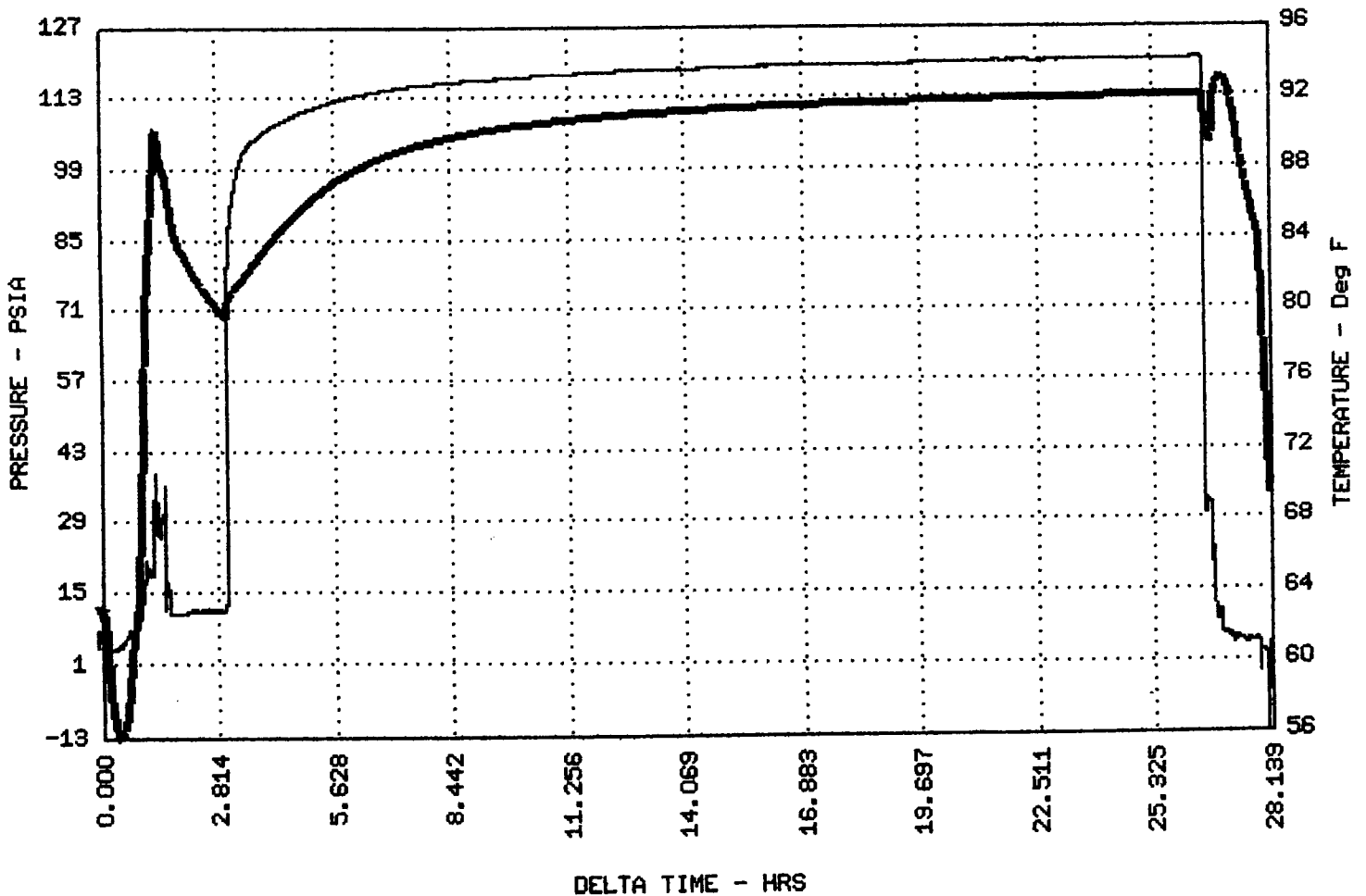
Starting date: 12/02/94  
time: 03:42:03

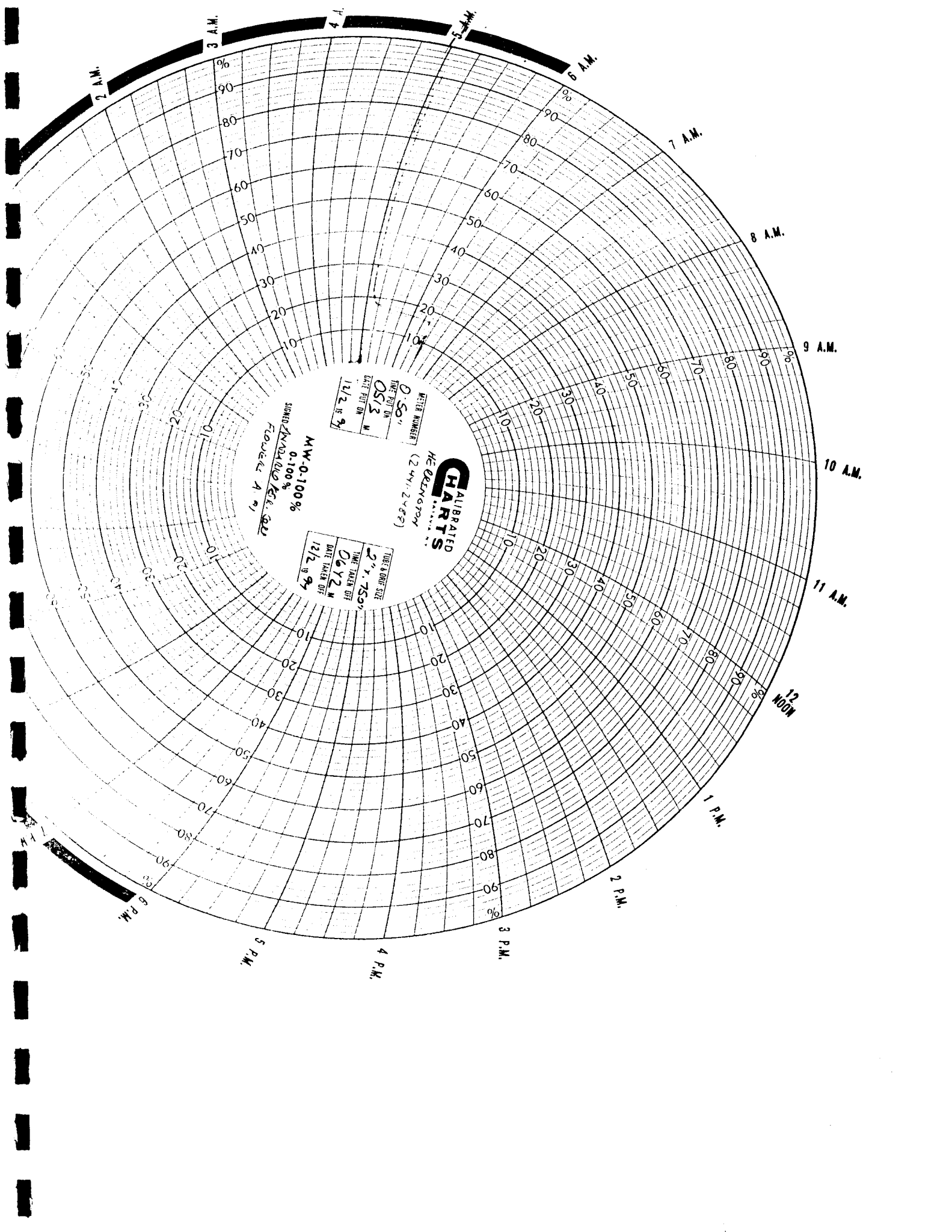


# EMR-710 WELL TEST DATA

COMPANY: PRECISION WELL TESTING  
CLIENT: ANADARKO PETROLEUM CORP.  
GAUGE NUMBER: 86287  
WELL NAME: FLOWER 'A'  
WELL NUMBER: 1  
TEST NUMBER: HERRINGTON (2441-2488)  
LOCATION: SW 25-31S-36W STEVENS CO., KS.  
TEST OPERATOR: HELM  
COMMENTS: UPPER GAUGE SET AT 2481'.

Starting date: 12/02/94  
time: 03:42:00





**CAUBATED  
CHARTS**  
HE. OLLINGTON  
(2441, 2482)

METER NUMBER  
0.50"  
TIME TAKEN ON  
05/3 M  
DATE TAKEN OFF  
12/2 '97

M.W. 0.100%  
0.100%  
SIGNER *ANNA R. BOWEN*  
FLOWER A 97

TEMP. ONE SIZE  
2" x 750"  
TIME TAKEN ON  
06/2 M  
DATE TAKEN OFF  
12/2 '97

2 A.M.

3 A.M.

4 A.M.

5 A.M.

6 A.M.

7 A.M.

8 A.M.

9 A.M.

10 A.M.

11 A.M.

12 NOON

1 P.M.

2 P.M.

3 P.M.

4 P.M.

5 P.M.

6 P.M.



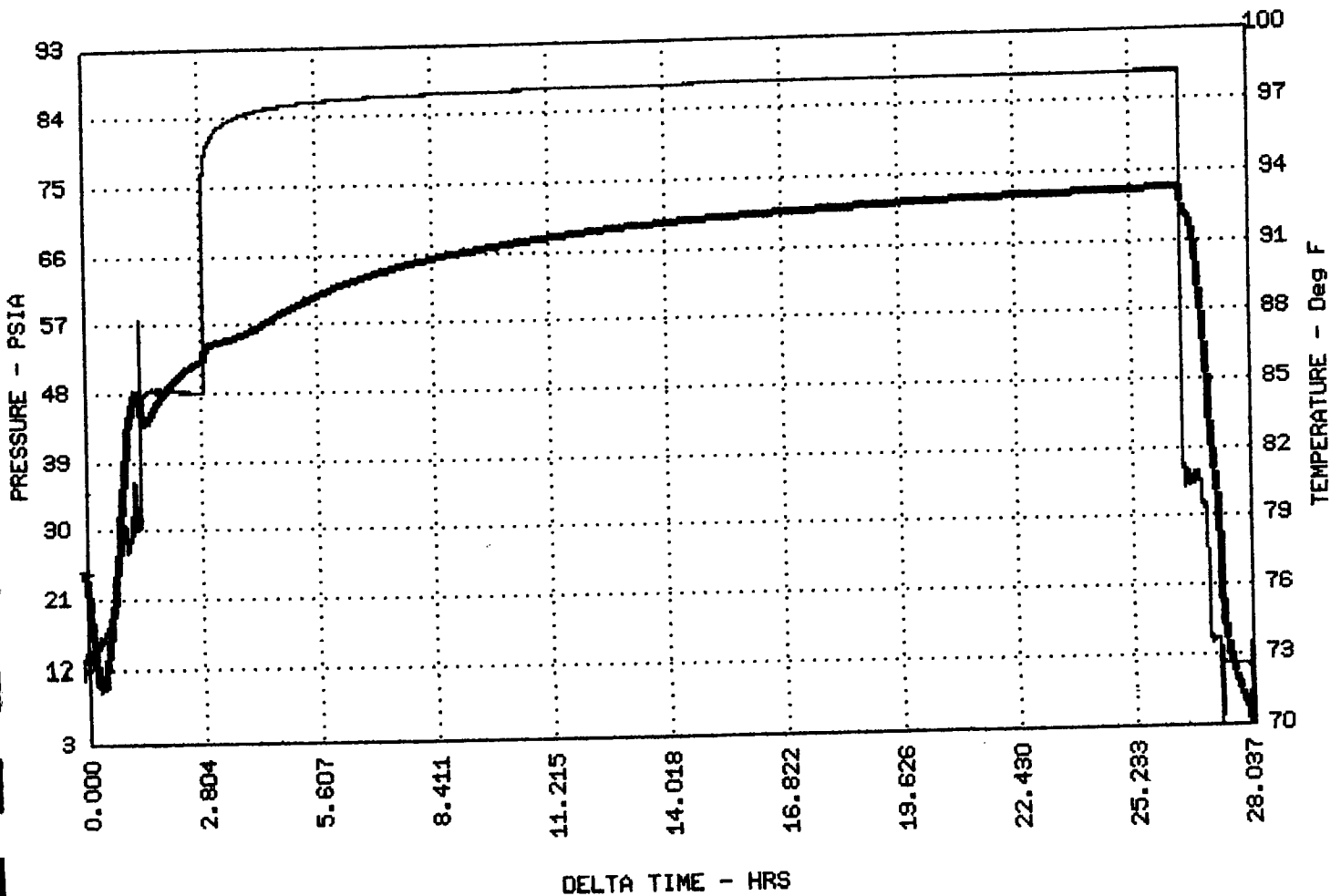




# EMR-710 WELL TEST DATA

COMPANY: PRECISION WELL TESTING  
CLIENT: ANADARKO PETROLEUM CORP.  
GAUGE NUMBER: 87011  
WELL NAME: FLOWER 'A'  
WELL NUMBER: 1  
TEST NUMBER: KRIDER (2488-2593)  
LOCATION: SW 25-31S-39W STEVENS CO., KS.  
TEST OPERATOR: HELM  
COMMENTS: UPPER GAUGE SET AT 2507'.

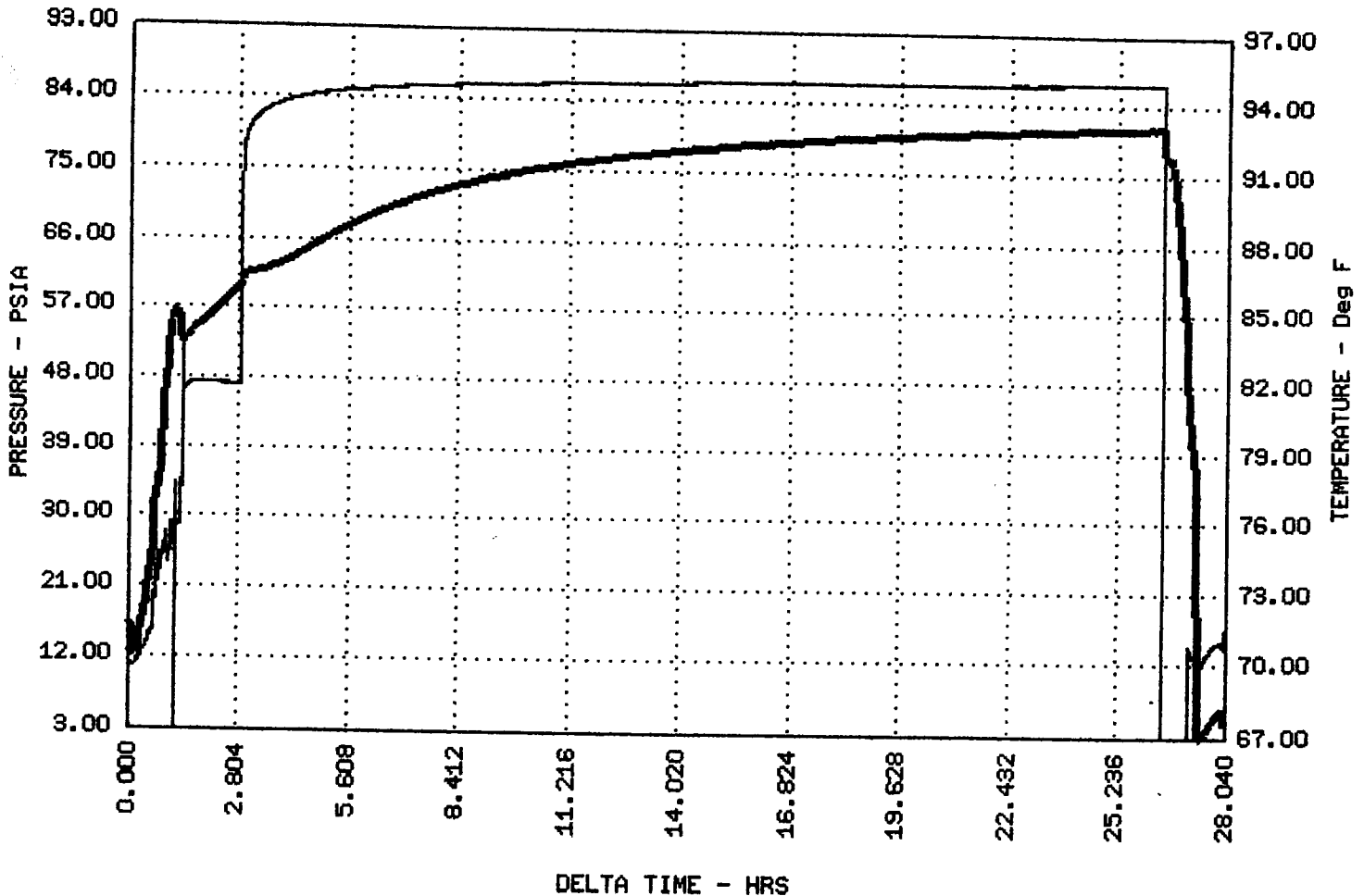
Starting date: 12/03/94  
time: 17:32:00

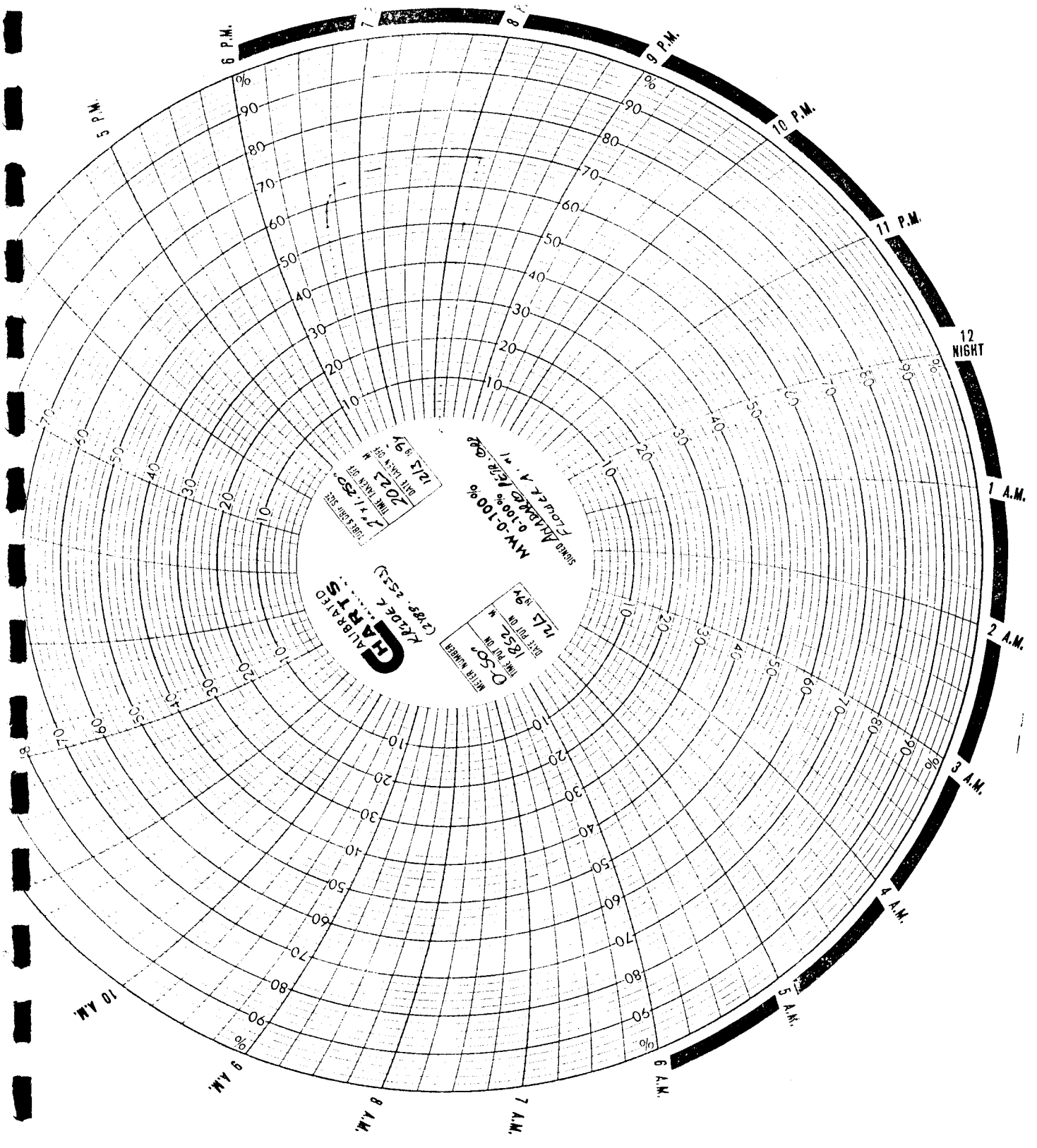


# WELL TEST DATA

COMPANY: PRECISION WELL TESTING  
CLIENT: ANADARKO PETROLEUM CORP.  
GAUGE NUMBER: 86059  
WELL NAME: FLOWER 'A'  
WELL NUMBER: 1  
TEST NUMBER: KRIDER (2488-2533)  
LOCATION: SW 25-31S-38W STEVENS CO., KS.  
TEST OPERATOR: HELM  
COMMENTS: LOWER GAUGE SET AT 2511'.

Starting date: 12/03/94  
time: 17:32:03







**Precision Well Testing**

P.O. BOX 1843  
 LIBERAL, KANSAS 67905 · 1843  
 PHONE: 316-624-4505  
 MOBILE: 316-624-6258 UNIT 9390

PRODUCER ANADARKO PETROLEUM CORP  
 WELL NAME FLOWER 'A' #1  
 LOCATION 25-31S-38W  
 COUNTY STEVENS STATE KS

CSG 8 5/8 WT 24.0 SET 9 TD PB GL  
 TBG WT SET 6 SN PKR KB  
 PERFS. 2488 TO 2533 TO TO TO  
 PROVER METER TAPS ORIFICE PCR TCR  
 GG .742 API 6 GM RESERVOIR KRIDER

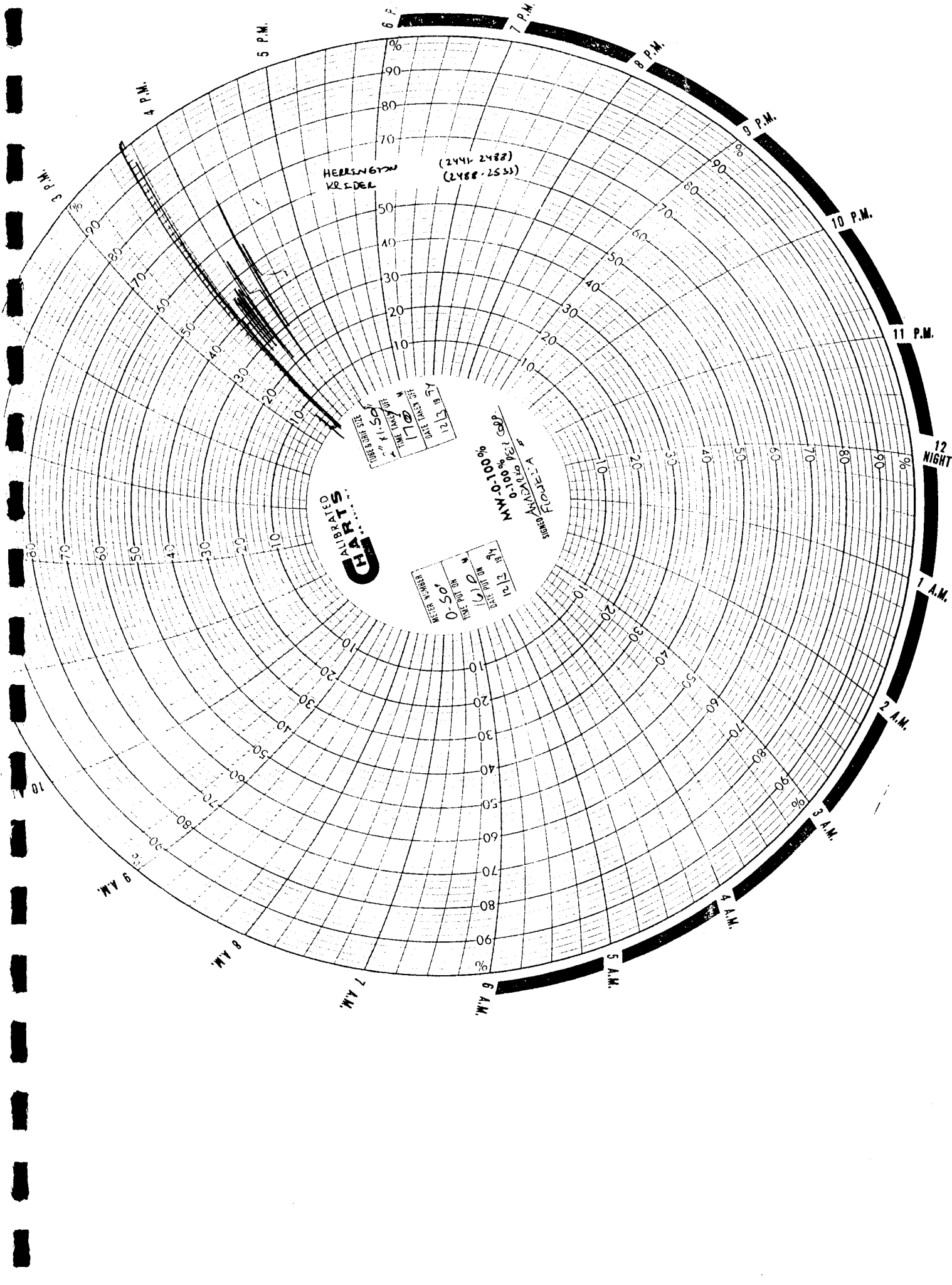
DATE TIME OF READING	ELAP TIME HOURS	WELLHEAD PRESSURE DATA			MEASUREMENT DATA			LIQUIDS		TYPE TEST	INITIAL ANNUAL	SPECIAL RETEST	ENDING DATE
		CSG PSIG	$\Delta P$ TBG PSIG	$\Delta P$ TBG PSIG	BHP PSIG	$\Delta P$ BHP	PRESS. PSIG	DIFF.	TEMP				
SATURDAY 12-3-94													
0810													START IN WELL WITH CORE BARREL.
0925													CORE BARREL ON BOTTOM.
1115													START CORING.
1325													FINISH CORING KRIDER (2488-2533).
1425													START OUT OF WELL WITH CORE BARREL.
1530													CORE BARREL ON SURFACE.
1732													POWER UP GRC EMS-725 INSTRUMENTS.
1735													START IN WELL WITH INSTRUMENTS.
1849													INSTRUMENTS ON BOTTOM.
													BOTTOM OF TOP PACKER - 2490'
													BOTTOM OF BOTTOM PACKER - 2498'
													BOTTOM OF TOP GAUGE - 2507'
													BOTTOM OF LOWER GAUGE - 2511'
1852													SET PACKER.
1852													GAS VOLUMES CORRECTED TO A .742 GRAVITY.
1857													GAS TO SURFACE.
1902													
1907													
1912													
1917													
1922													
1927													

START FLOW PERIOD WITH 2" O.W.T. AND 1 1/4" PLATE.

30.0 216  
 31.0 220  
 32.0 223  
 32.0 223  
 32.0 223  
 32.0 223  
 33.0 227







**Precision Well Testing**  
 P.O. BOX 1843  
 LIBERAL, KANSAS 67905 · 1843  
 PHONE: 316-624-4505  
 MOBILE: 316-624-6258 UNIT 9390

PRODUCER ANADARKO PETROLEUM CORP  
 WELL NAME FLOWER 'A' #1  
 LOCATION 25-31S-38W  
 COUNTY STEVENS STATE KS

CSG 8 5/8 WT 24.0 SET 2435 TD PB GL  
 TBG TO SET SN PKR KB  
 PERFS TO TAPS ORIFICE TO TCR  
 PROVER METER ORIFICE PCR RESERVOIR  
 GG .720EST API GM

DATE OF READING	ELAP TIME HOURS	WELLHEAD PRESSURE DATA			MEASUREMENT DATA			LIQUIDS COND. WATER BBL.S.	O MCFD	TYPE TEST	INITIAL ANNUAL	SPECIAL RETEST	ENDING DATE
		CSG PSIG	Δ P TBG	TBG PSIG	Δ P BHP	PRESS. PSIG	DIFF.						
SATURDAY 12-3-94													
1610													
1615								276					
1620								298					
1625								269					
1630								304					
1635								304					
1640								298					
1645								298					
1650								298					
1655								298					
1700								298					
1852													
1857								28.8					
1902								34.1					
1907								36.5					
1912								35.3					
1917								34.1					
1922								34.1					
1927								34.1					

GAS VOLUMES CORRECTED TO A .720 GRAVITY.  
 RUN 1 STAND DRILLPIPE IN WELL.  
 INSTALL 2" VALVE IN DRILLPIPE AT SURFACE (CLOSED)  
 INSTALL 2" O.W.T. WITH 1 1/2" PLATE DIRECTLY OFF CASING  
 (COMINGLED GAS FROM HERRINGTON (2441-2488) AND KRIDER  
 (2488-2533)).

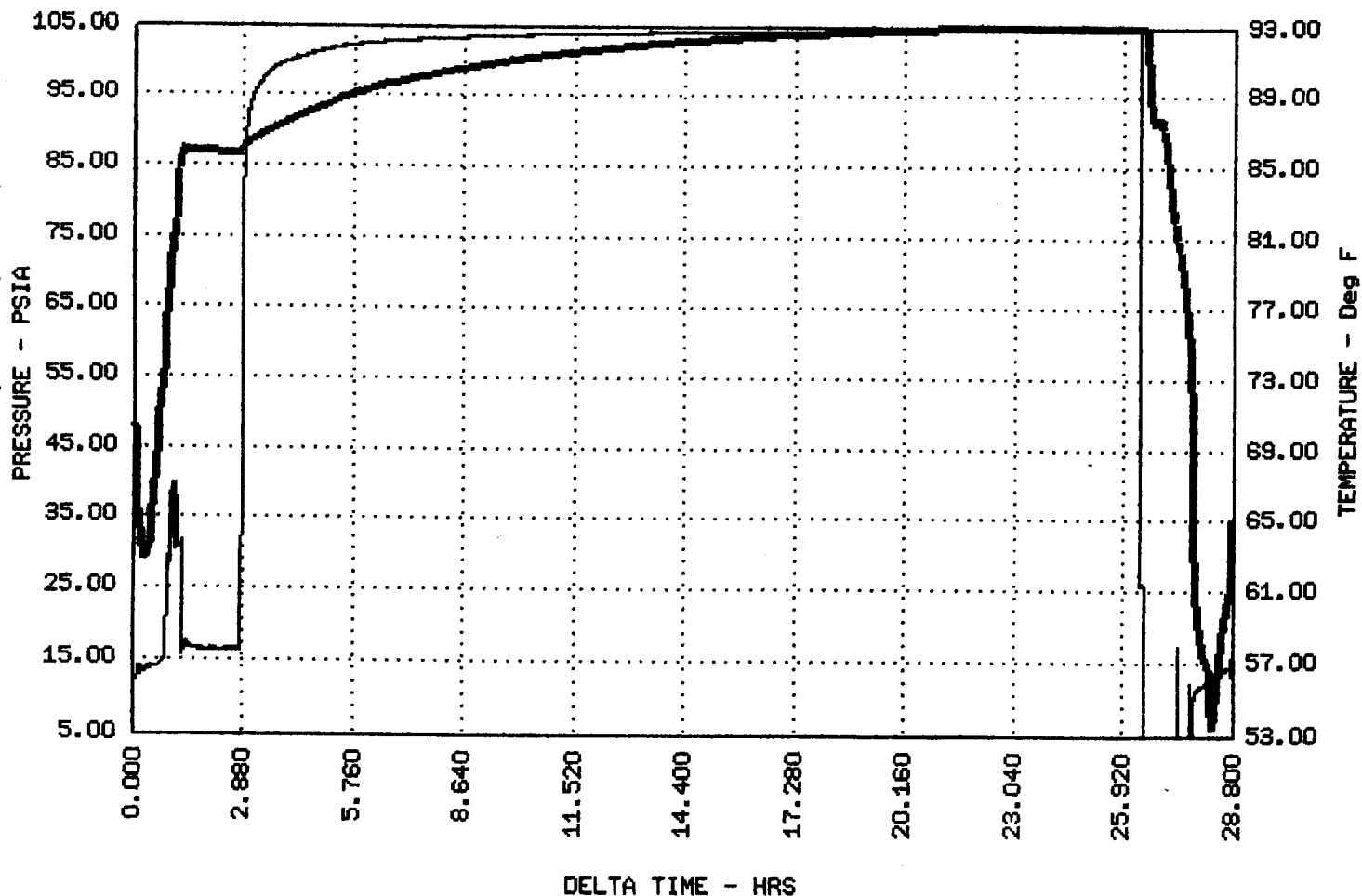
END COMINGLED FLOW TEST. PREPARE TO RUN IN WELL FOR  
 DST. #2  
 SET PACKER, INSTALL 2" O.W.T. WITH 3/4" PLATE DIRECTLY  
 OFF CASING.  
 HERRINGTON (2441-2488)



# WELL TEST DATA

COMPANY: PRECISION WELL TESTING  
CLIENT: ANADARKO PETROLEUM CORP.  
GAUGE NUMBER: 86059  
WELL NAME: FLOWER 'A'  
WELL NUMBER: 1  
TEST NUMBER: WINFIELD SAND (2533-2550)  
LOCATION: SW 25-31S-38W STEVENS CO., KS.  
TEST OPERATOR: HELM  
COMMENTS: LOWER GAUGE SET AT 2549'.

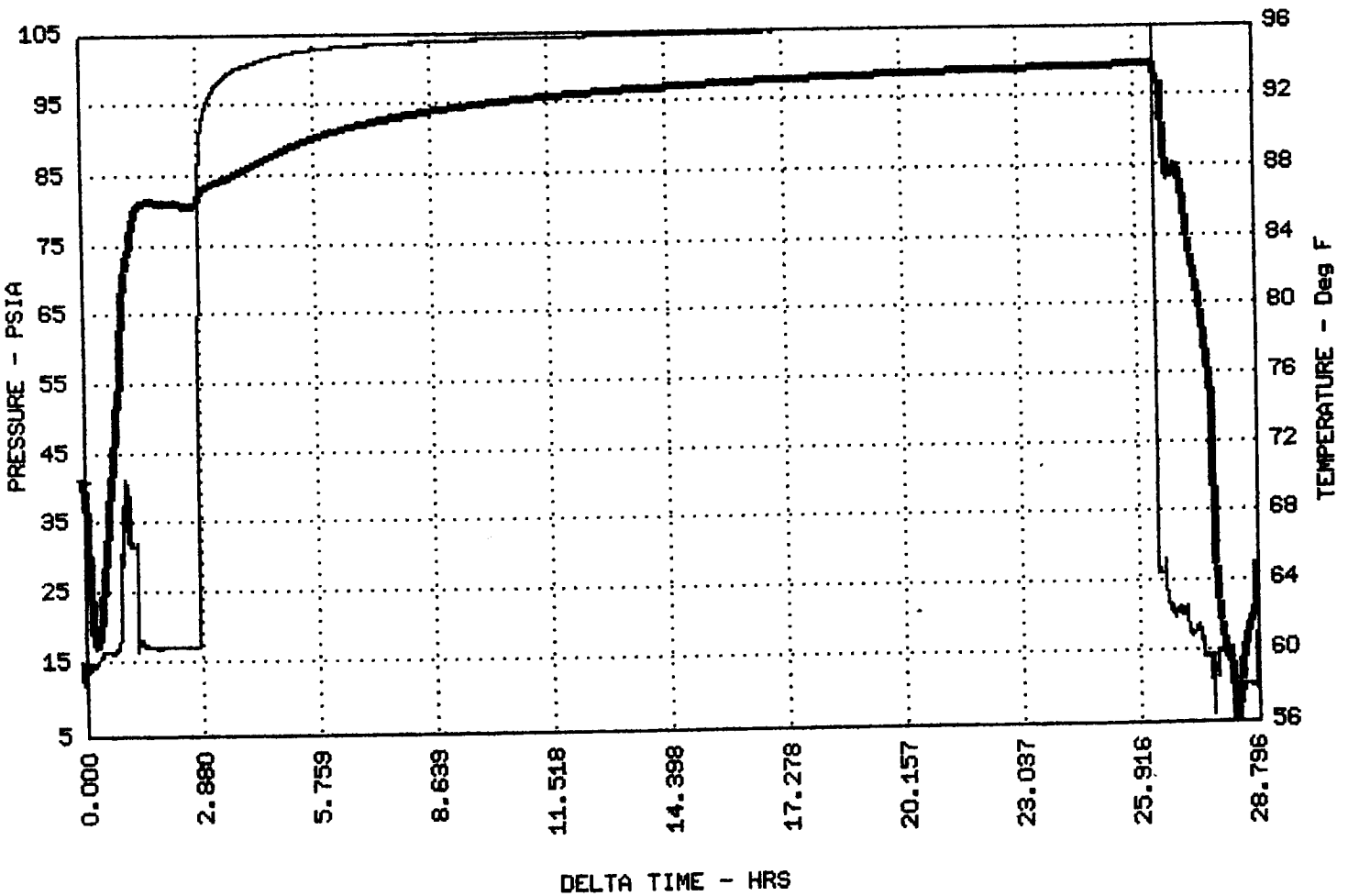
Starting date: 12/05/94  
time: 05:08:03



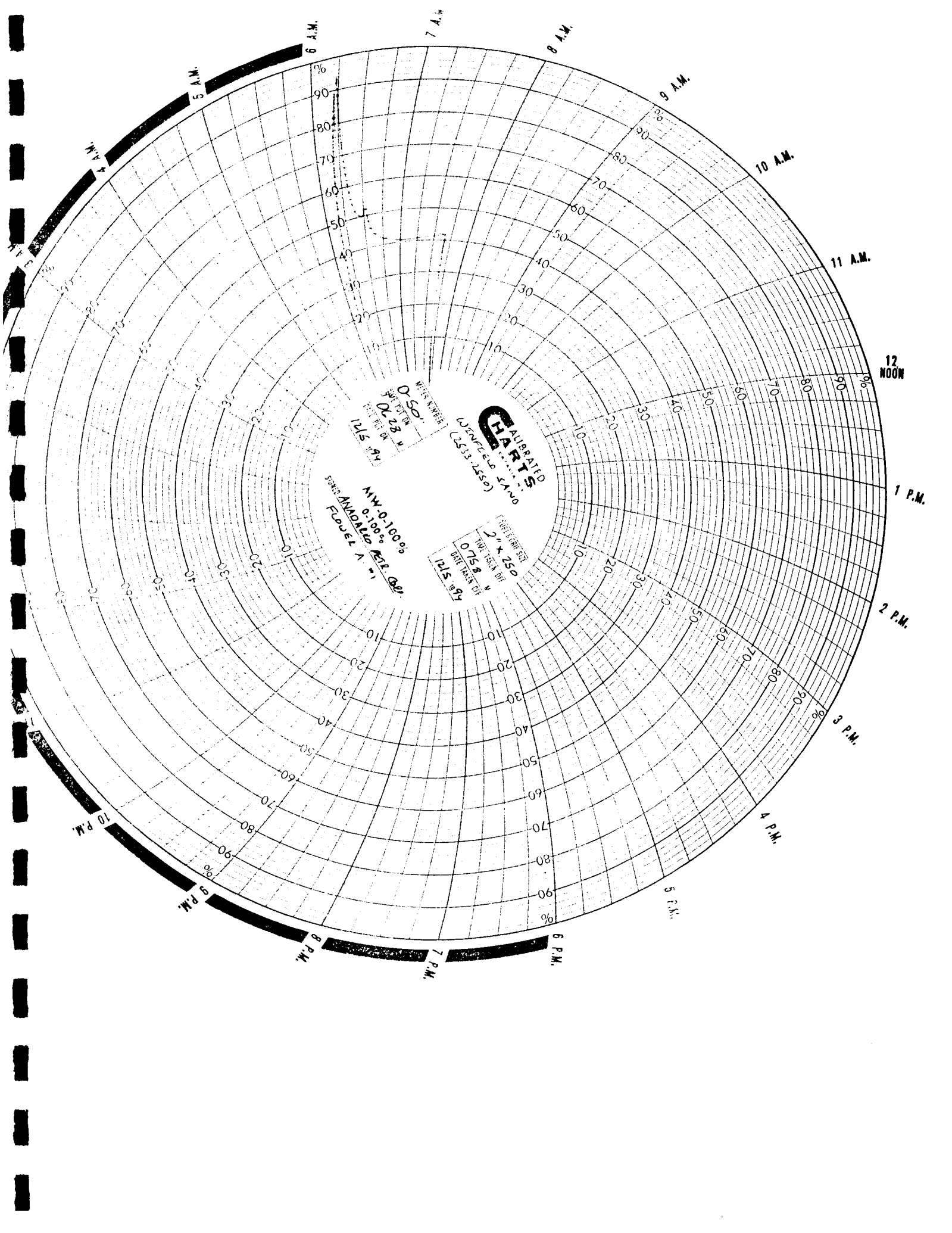
# EMR-710 WELL TEST DATA

COMPANY: PRECISION WELL TESTING  
CLIENT: ANADARKO PETROLEUM CORP.  
GAUGE NUMBER: 87011  
WELL NAME: FLOWER 'A'  
WELL NUMBER: 1  
TEST NUMBER: WINFIELD SAND (2593-2550)  
LOCATION: SW 25-31S-38W STEVENS CO., KS.  
TEST OPERATOR: HELM  
COMMENTS: UPPER GAUGE SET AT 2545'.

Starting date: 12/05/94  
time: 05:08:00







6 A.M.

7 A.M.

8 A.M.

9 A.M.

10 A.M.

11 A.M.

12 NOON

1 P.M.

2 P.M.

3 P.M.

4 P.M.

5 P.M.

6 P.M.

7 P.M.

8 P.M.

9 P.M.

10 P.M.

0%  
10  
20  
30  
40  
50  
60  
70  
80  
90

10  
20  
30  
40  
50  
60  
70  
80  
90

20  
30  
40  
50  
60  
70  
80  
90

30  
40  
50  
60  
70  
80  
90

40  
50  
60  
70  
80  
90

50  
60  
70  
80  
90

60  
70  
80  
90

70  
80  
90

80  
90

90

0%  
10  
20  
30  
40  
50  
60  
70  
80  
90

10  
20  
30  
40  
50  
60  
70  
80  
90

20  
30  
40  
50  
60  
70  
80  
90

30  
40  
50  
60  
70  
80  
90

40  
50  
60  
70  
80  
90

50  
60  
70  
80  
90

60  
70  
80  
90

70  
80  
90

80  
90

90

WIND SPEED  
0.50  
SERIAL NO. 0758  
DATE TESTED 12.5 1989

**CALIBRATED SPEED CHARTS**  
WIND SPEED 0.50  
SERIAL NO. 0758  
DATE TESTED 12.5 1989

WIND SPEED  
0.75  
SERIAL NO. 0758  
DATE TESTED 12.5 1989

NY-0.100%  
0.00  
FLUJEL A

PRODUCER ANADARKO PETROLEUM CORP  
 WELL NAME FLOWER 'A' #1  
 LOCATION 25-31S-38W  
 COUNTY STEVENS STATE KS  
 CSO 8 5/8 WT 24.0 SET @ 2435 TO \_\_\_\_\_ PB \_\_\_\_\_ GL  
 TBG \_\_\_\_\_ WT \_\_\_\_\_ SET @ \_\_\_\_\_ SN \_\_\_\_\_ PKR \_\_\_\_\_ RB \_\_\_\_\_  
 PERFS 2533 TO 2550 TO \_\_\_\_\_ TO \_\_\_\_\_  
 PROVER \_\_\_\_\_ METER \_\_\_\_\_ TAPS \_\_\_\_\_ ORIFICE \_\_\_\_\_ PCR \_\_\_\_\_ TCR \_\_\_\_\_  
 GG .775 API \_\_\_\_\_ GM \_\_\_\_\_ RESERVOIR WINFIELD SAND

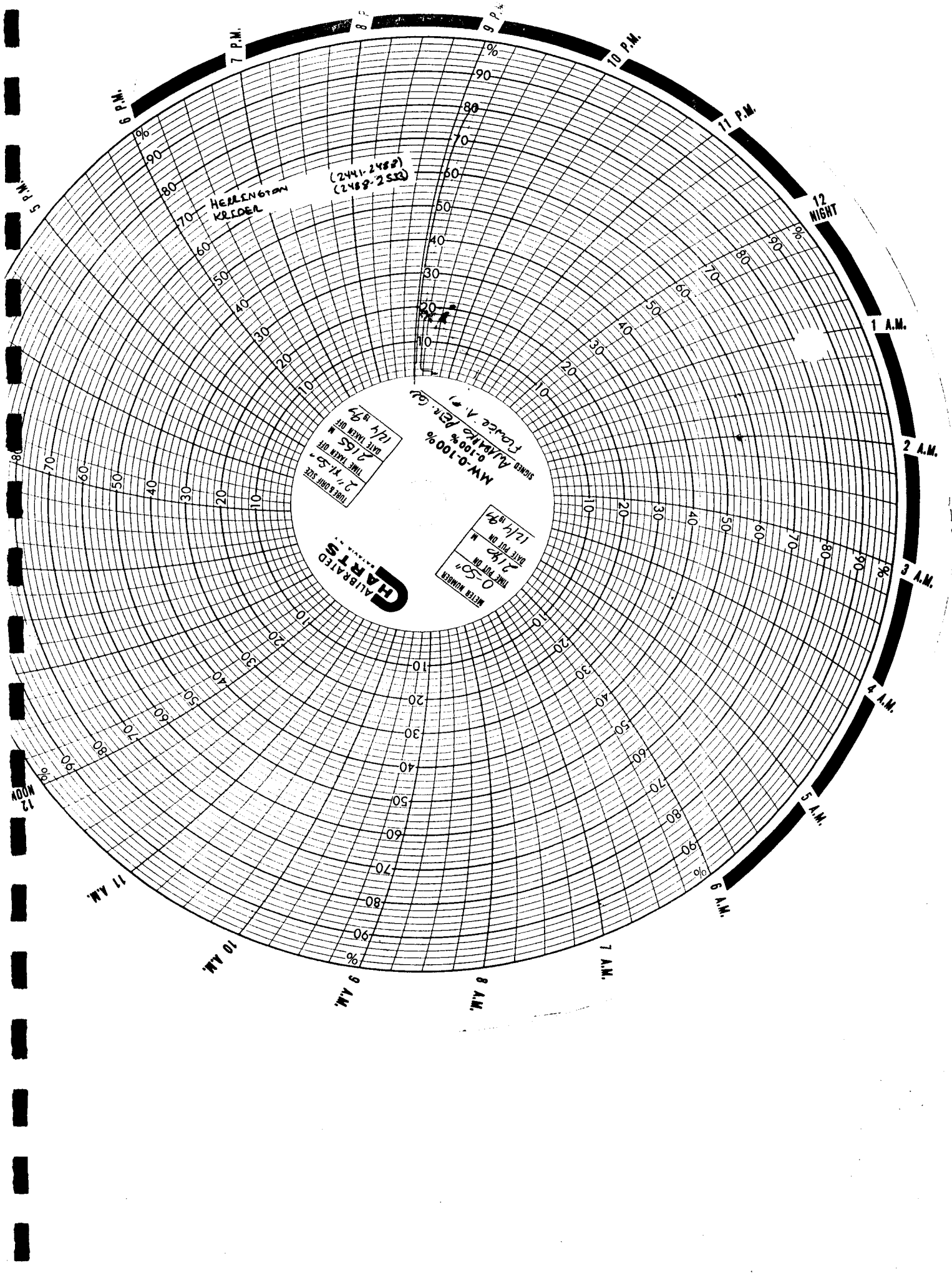
PRODUCER ANADARKO PETROLEUM CORP  
 WELL NAME FLOWER 'A' #1  
 LOCATION 25-31S-38W  
 COUNTY STEVENS STATE KS

**Precision Well Testing**  
 P. O. BOX 1843  
 LIBERAL, KANSAS 67905-1843  
 PHONE: 316-624-4505  
 MOBILE: 316-624-6258 UNIT 9390

DATE TIME OF READING	ELAP TIME HOURS	WELLHEAD PRESSURE DATA			MEASUREMENT DATA			LIQUIDS		TYPE TEST:	INITIAL ANNUAL	SPECIAL RETEST	ENDING DATE
		CSG PSIG	Δ P CSG	TBG PSIG	Δ P TBG	BHP PSIG	Δ P BHP	PRESS. PSIG	DIFF.				
SUNDAY 12-4-94													
2220													
2310													
MONDAY 12-5-94													
0000													START IN WELL WITH CORE BARREL.
0055													CORE BARREL ON BOTTOM.
0200													
0345													
0508													START CORING.
0512													FINISH CORING WINFIELD SAND (2533-2550).
0625													START OUT OF WELL WITH CORE BARREL.
													CORE BARREL ON SURFACE.
													POWER UP GRC EMS-725 INSTRUMENTS.
													START IN WELL WITH INSTRUMENTS.
													INSTRUMENTS ON BOTTOM.
													BOTTOM OF TOP PACKER - 2530'
													BOTTOM OF BOTTOM PACKER - 2538'
													BOTTOM OF TOP GAUGE - 2545'
													BOTTOM OF LOWER GAUGE - 2549'
0628													SET PACKER.
0628													
0633													42
0638													33
0643													27
0648													25
0653													25

START FLOW PERIOD WITH 2" O.W.T. AND 1/4" PLATE.





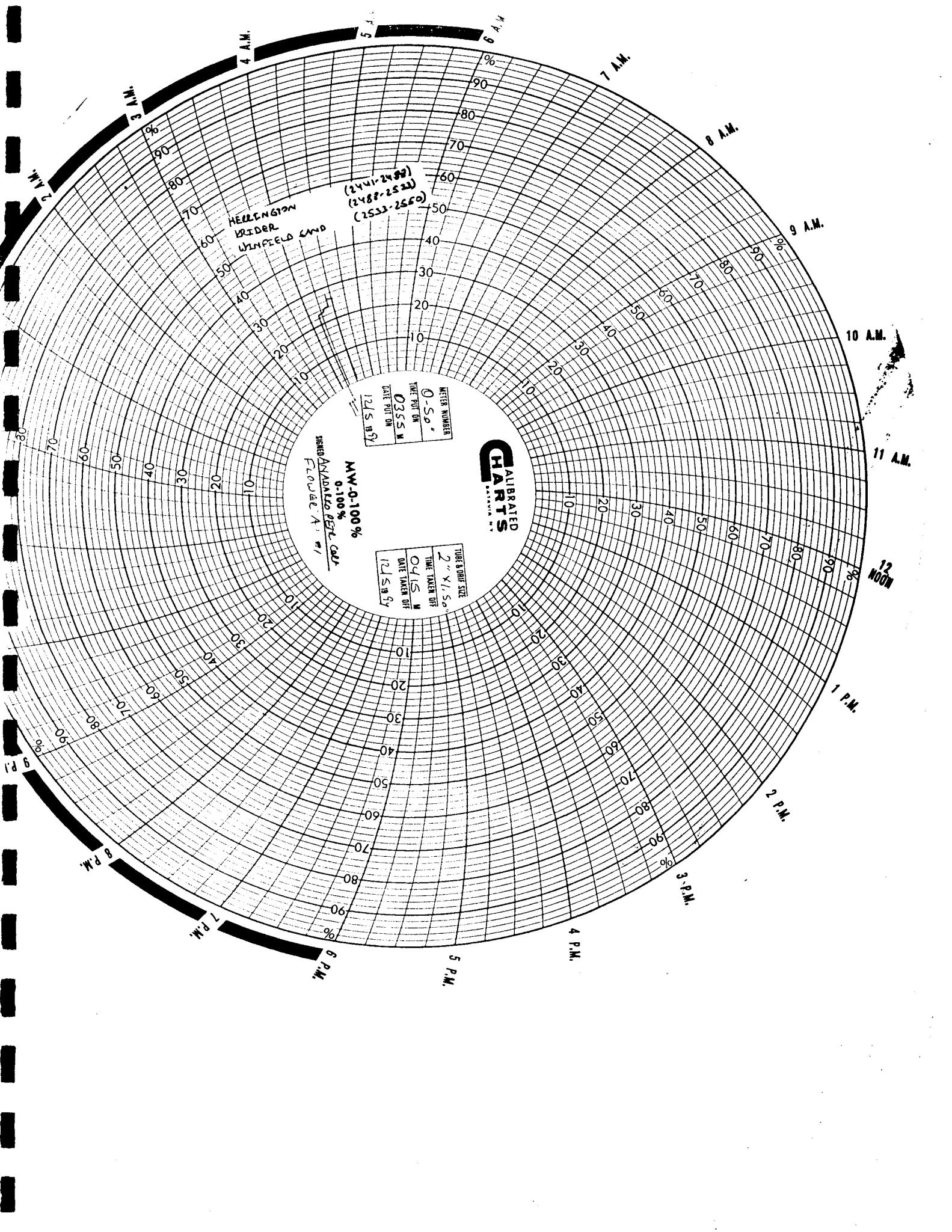
HEALENGRAN  
KREIDER

(2441-2488)  
(2489-2533)

SHOWN ALTHOUGH PER. CO.  
MW-0-100%  
DATE MADE 12/14/82  
TIME PERIOD 2 1/2 HRS  
METER NO. 144  
METER SIZE 2 1/2\"/>

CALIBRATED  
CHARTS

METER NUMBER  
0-50  
DATE MADE 12/14/82  
TIME PERIOD 2 1/2 HRS  
METER NO. 144



HELLINGTON  
BRIDGER  
WINFIELD SAND

(2441-2488)  
(2488-2522)  
(2522-2550)

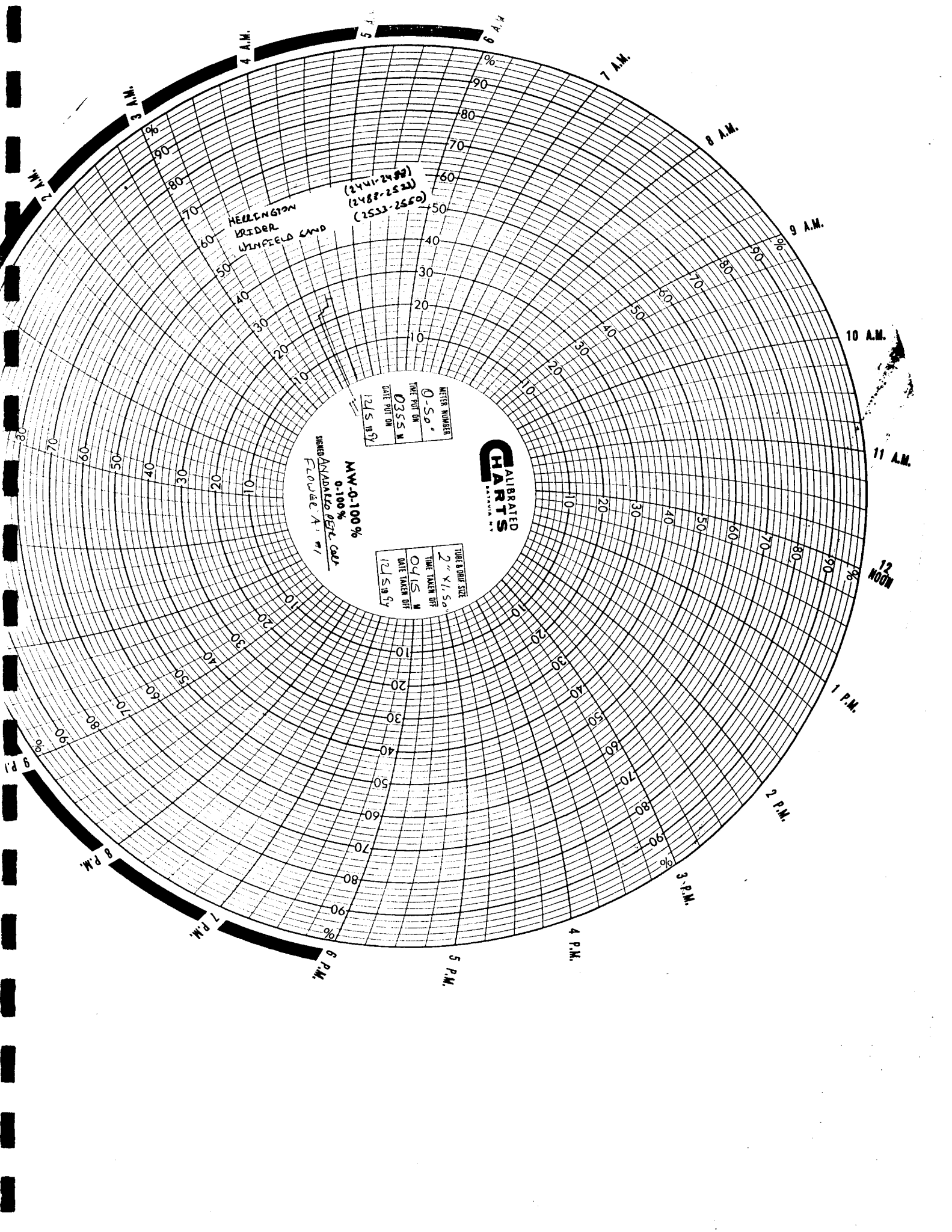
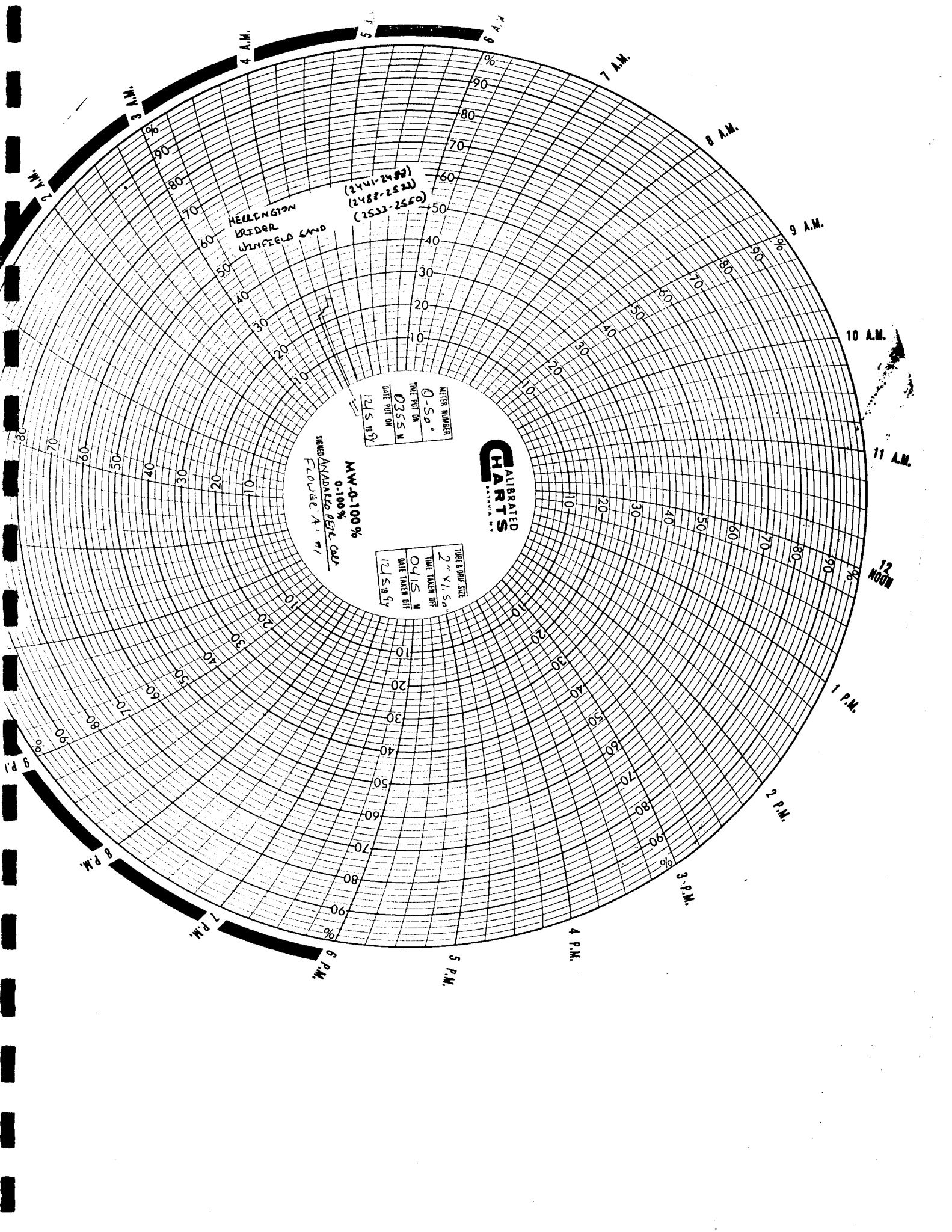
MW-0-100%  
0-100%  
SIGNED ANNADELLE BERT GALT  
FLOWER A. #1

METER NUMBER  
0-50"  
TIME TAKEN OFF  
0355 M  
DATE TAKEN OFF  
12/5/37

TIME & DATE SIZE  
2" x 1/2"  
TIME TAKEN OFF  
0415 M  
DATE TAKEN OFF  
12/5/37

**CALIBRATED  
CHARTS**  
MADE IN U.S.A.

10 A.M.  
11 A.M.  
12 NOON





**Precision Well Testing**  
 P.O. BOX 1843  
 LIBERAL, KANSAS 67905-1843  
 PHONE: 316-624-4505  
 MOBILE: 316-624-6258 UNIT 9390

PRODUCER ANADARKO PETROLEUM CORP  
 WELL NAME FLOWER 'A' #1  
 LOCATION 25-31S-38W  
 COUNTY STEVENS STATE KS

CSG 8 5/8 WT 24.0 SET 2435 TD PB GL  
 TBG TO SET SN PKR KB  
 PERFS. TO TAPS TO ORIFICE TCR  
 PROVER METER GM RESERVOIR  
 GG 720EST API

DATE OF READING	ELAP TIME HOURS	WELLHEAD PRESSURE DATA			MEASUREMENT DATA			LIQUIDS COND WATER BBL. BBL.	TYPE TEST:	INITIAL ANNUAL	SPECIAL RETEST:	ENDING DATE
		CSG PSIG	$\Delta P$ TBG	TBG PSIG	$\Delta P$ BHP	PRESS. PSIG	DIFF.					
SUNDAY 12-4-94												
2140												
2145					41			407				
2150					31			407				
2155					41			407				
MONDAY 12-5-94												
0355												
0400					11			211				
0405					12			220				
0410					12			220				
0415					12			220				
0628												
0633					17			262				
0638					17			262				
0643					18			269				
0648					17			262				
0653					17			262				
0658					17			262				

(GAS VOLUMES CORRECTED TO A .720 GRAVITY).

RUN 1 STAND DRILLPIPE IN WELL.  
 INSTALL 2" VALVE IN DRILLPIPE AT SURFACE (CLOSED).  
 INSTALL 2" O.W.T. WITH 1 1/2" PLATE DIRECTLY OFF CASING.  
 (COMINGLED GAS FROM HERRINGTON (2441-2488), AND KRIDER (2488-2533)).

END FLOW. PREPARE TO RUN CORE BARREL.

RUN 1 STAND DRILLPIPE IN WELL.  
 INSTALL 2" VALVE IN DRILLPIPE AT SURFACE (CLOSED).  
 INSTALL 2" O.W.T. WITH 1 1/2" PLATE DIRECTLY OFF CASING.  
 (COMINGLED GAS FROM HERRINGTON (2441-2488), KRIDER (2488-2533), AND WINFIELD SAND (2533-2550)).

END COMINGLED FLOW TEST. PREPARE TO RUN IN WELL FOR DST. #3.

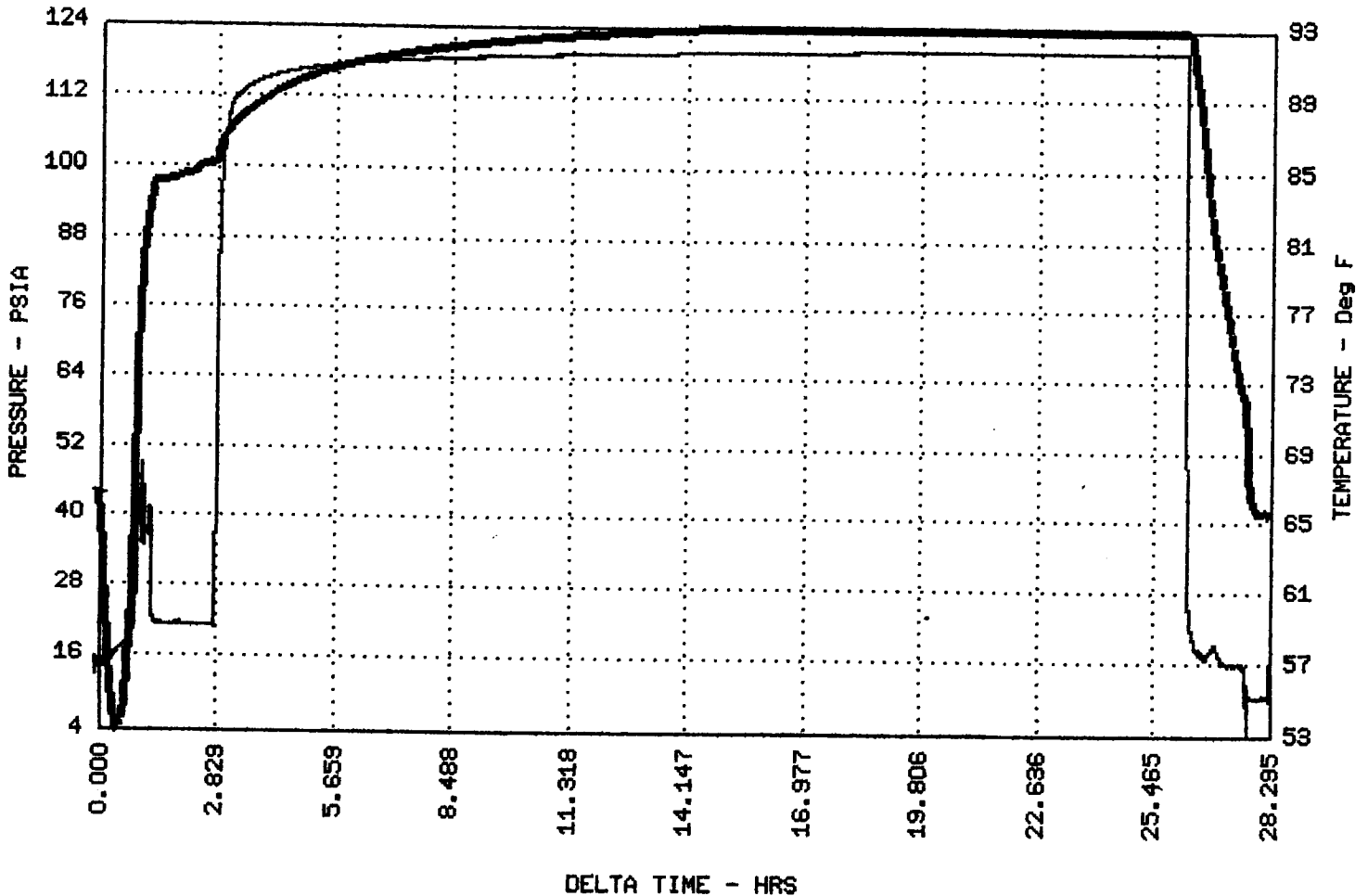
SET PACKER. INSTALL 2" O.W.T. WITH 1 1/2" PLATE DIRECTLY CASING.  
 (COMINGLED HERRINGTON (2441-2488) AND KRIDER (2488-2533))



# EMR-710 WELL TEST DATA

COMPANY: PRECISION WELL TESTING  
CLIENT: ANADARKO PETROLEUM CORP.  
GAUGE NUMBER: 87011  
WELL NAME: FLOWER 'A'  
WELL NUMBER: 1  
TEST NUMBER: WINFIELD CARBONATE (2550-2580)  
LOCATION: SW 25-31S-38W STEVENS CO., KS.  
TEST OPERATOR: HELM  
COMMENTS: UPPER GAUGE SET AT 2561'.

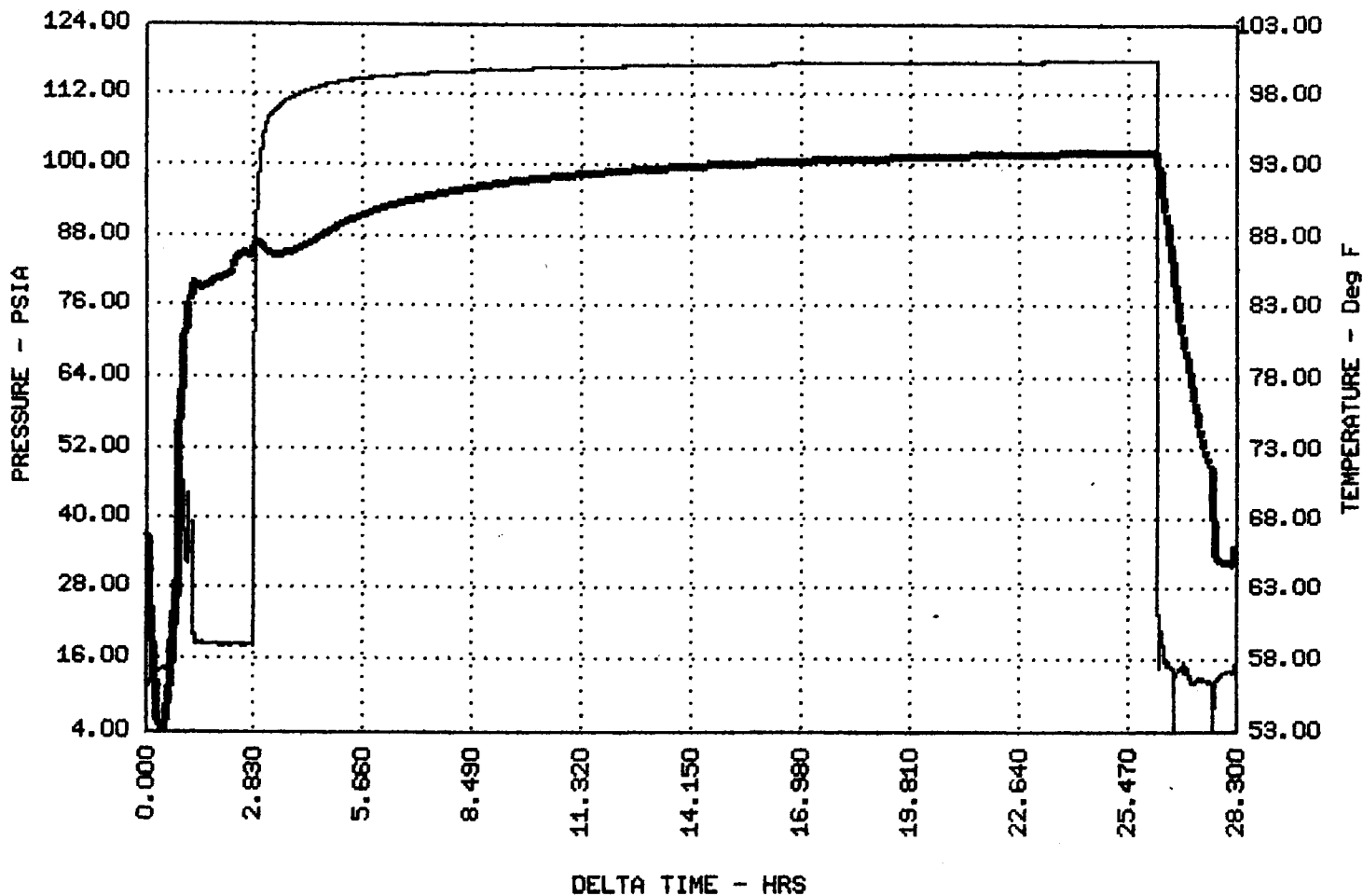
Starting date: 12/06/94  
time: 18:01:00



# WELL TEST DATA

COMPANY: PRECISION WELL TESTING  
CLIENT: ANADARKO PETROLEUM CORP.  
GAUGE NUMBER: 86059  
WELL NAME: FLOWER 'A'  
WELL NUMBER: 1  
TEST NUMBER: WINFIELD CARBONATE (2550-2580)  
LOCATION: SW 25-31S-38W STEVENS CO., KS.  
TEST OPERATOR: HELM  
COMMENTS: LOWER GAUGE SET AT 2565'.

Starting date: 12/06/94  
time: 18:01:03

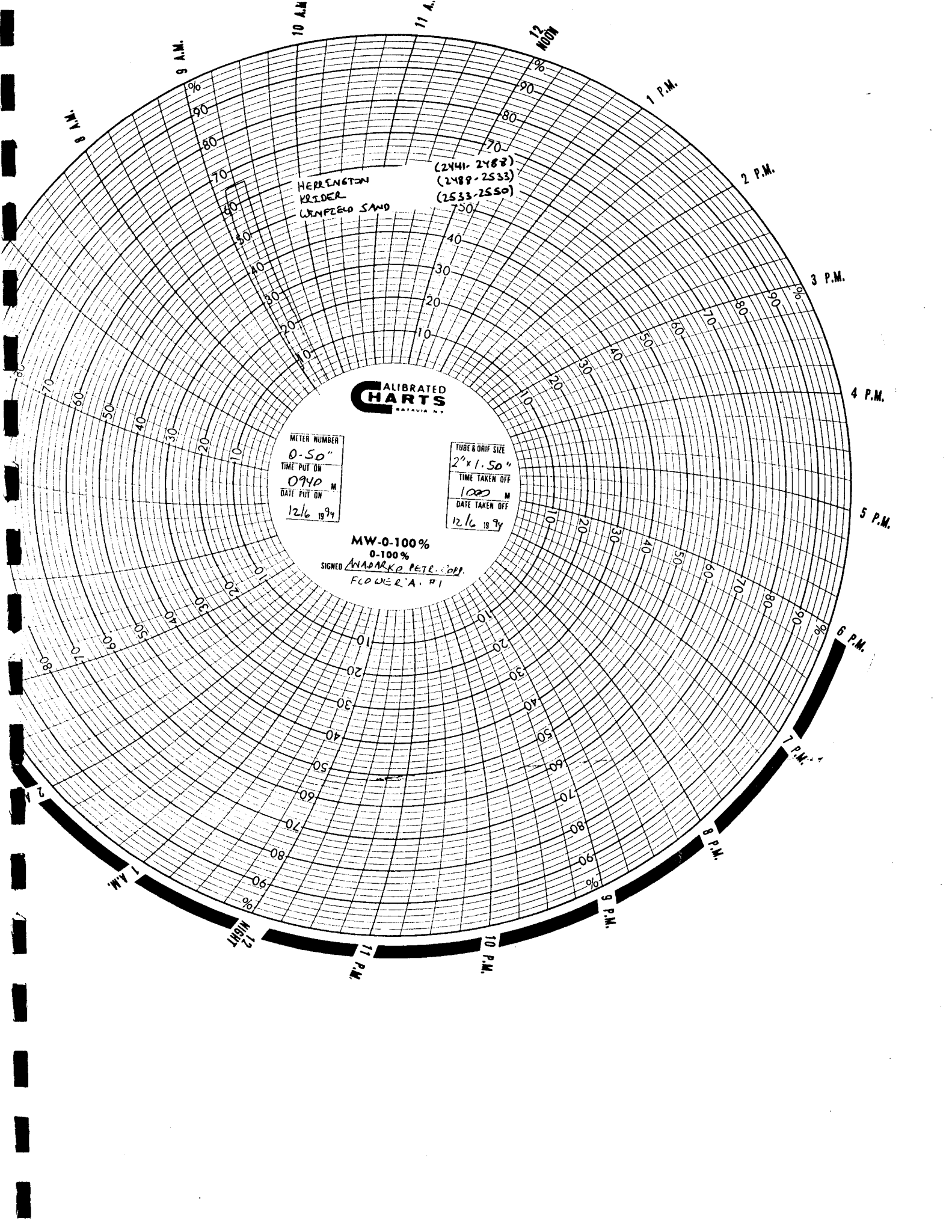












9 A.M. 10 A.M. 11 A.M. 12 NOON

1 P.M. 2 P.M. 3 P.M. 4 P.M. 5 P.M. 6 P.M. 7 P.M. 8 P.M. 9 P.M. 10 P.M. 11 P.M. 12 MIDNIGHT

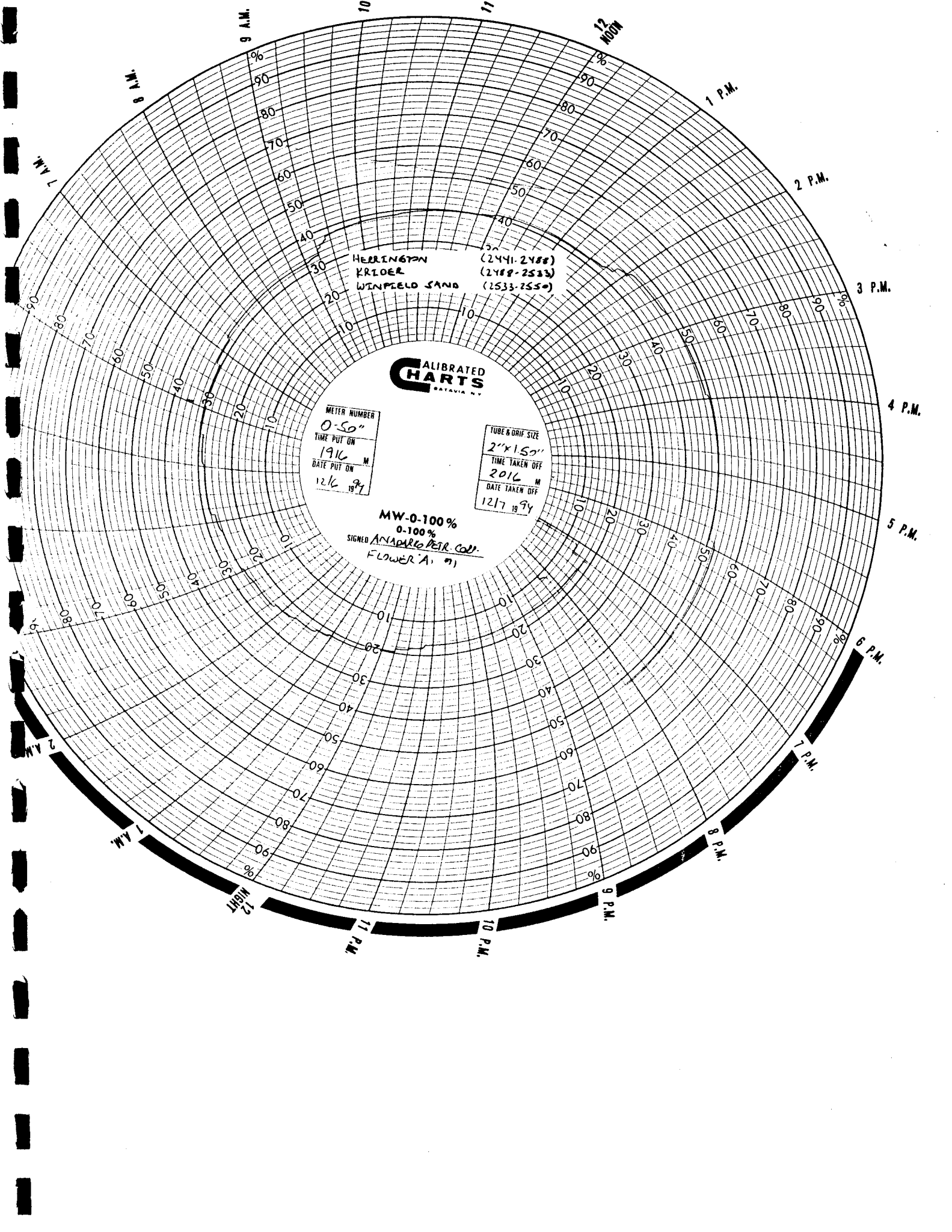
HERRINGTON  
KRIDER  
WINFIELD SAND  
(2441-2482)  
(2489-2533)  
(2533-2550)

**CALIBRATED  
CHARTS**  
ORANGE, N.J.

METER NUMBER  
0-50"  
TIME PUT ON  
0940 M  
DATE PUT ON  
12/6 1979

TUBE & ORIF SIZE  
2" x 1.50"  
TIME TAKEN OFF  
1000 M  
DATE TAKEN OFF  
12/6 1979

MW-0-100%  
0-100%  
SIGNED WADARCO PETE. COPI  
FLOWER, A. #1



HERRINGTON (2441-2488)  
KRIDER (2488-2533)  
WINFIELD SAND (2533-2550)

**CALIBRATED  
CHARTS**  
BATAVIA, N.Y.

METER NUMBER  
0-50"  
TIME PUT ON  
1916  
DATE PUT ON  
12/6 1919

TUBE & ORIF. SIZE  
2" x 1/2"  
TIME TAKEN OFF  
2016  
DATE TAKEN OFF  
12/7 1919

MW-0-100%  
0-100%  
SIGNED ANAPRO PEST. CO.  
FLOWER A. 91

PRODUCER ANADARKO PETROLEUM CORP  
 WELL NAME FLOWER 'A' #1  
 LOCATION 25-31S-38W  
 COUNTY STEVENS STATE KS  
 CSB 8 5/8 WT 24.0 SET 2435 TD 2435 TO 2435 GL  
 TBG WT SET SN PKR KB  
 PERFS TO TAPS TO TO TO  
 PROVER METER ORIFICE PCR TCR  
 GG .720EST API 6 GM RESERVOIR

PRODUCER ANADARKO PETROLEUM CORP  
 WELL NAME FLOWER 'A' #1  
 LOCATION 25-31S-38W  
 COUNTY STEVENS STATE KS

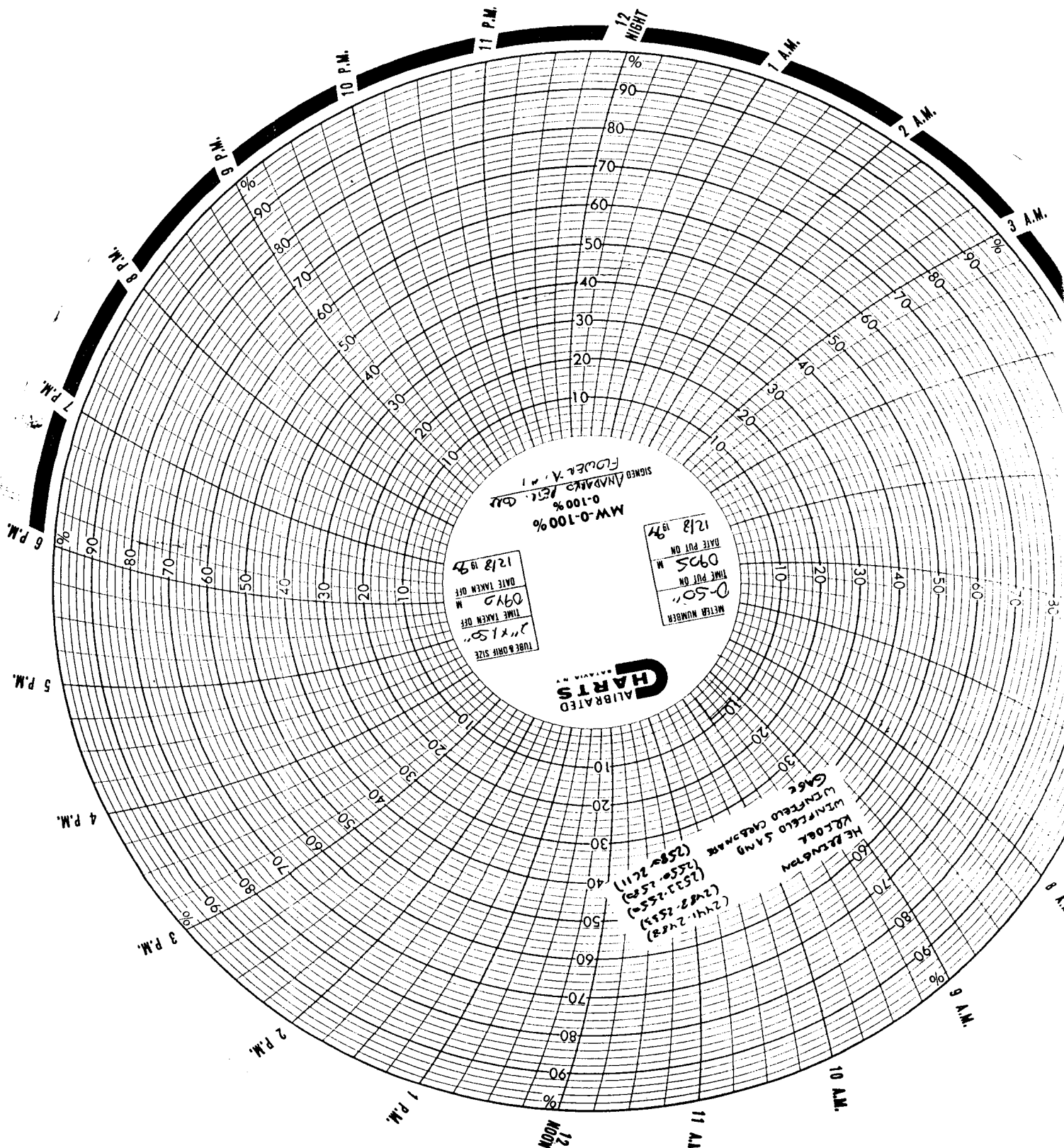
**Precision Well Testing**  
 P.O. BOX 1843  
 LIBERAL, KANSAS 67905 - 1843  
 PHONE: 316-624-4505  
 MOBILE: 316-624-6258 UNIT 9390

DATE TIME OF READING	ELAP TIME HOURS	WELLHEAD PRESSURE DATA			MEASUREMENT DATA			Q MCFD	LIQUIDS COND. WATER BBL. BBL.	TYPE TEST:	INITIAL ANNUAL	SPECIAL RETEST	ENDING DATE
		CSG PSIG	$\Delta$ P CSG	TBG PSIG	$\Delta$ P TBG	BHP PSIG	$\Delta$ P BHP						
TUESDAY 12-6-94													
0940													
0945							33.0	365					
0950							33.0	365					
0955							33.0	365					
1000							33.0	365					
1916													
1921							7.0	168					
1926							7.0	168					
1931							7.0	168					
1936							9.0	191					
1941							9.0	191					
1946							9.0	191					
1951							9.0	191					
1956							9.0	191					
2001							8.5	185					
2006							8.5	185					
2011							8.5	185					
2016							8.5	185					
2021							8.5	185					

GAS CORRECTED TO A .720 GRAVITY.  
 RUN 1 STAND DRILLPIPE IN WELL.  
 INSTALL 2" VALVE IN DRILLPIPE AT SURFACE (CLOSED).  
 INSTALL 2" O.W.T. WITH 1 1/2" PLATE DIRECTLY OFF CASING.  
 (COMINGLED GAS FROM HERRINGTON (2441-2448), KRIDER (2488-2533), AND WINFIELD SAND (2533-2550).  
 END FLOW. PREPARE TO RUN CORE BARREL.  
 DID FLOW TEST AFTER CORING. AS FLOWLINE WAS FROZE UP.  
 PREPARE TO RUN IN WELL WITH DST. #4  
 SET PACKER. INSTALL 2" O.W.T. WITH 1 1/2" PLATE DIRECTLY OFF CASING.  
 (COMINGLED HERRINGTON (2441-2488), KRIDER (2488-2533), AND WINFIELD SAND (2533-2550).





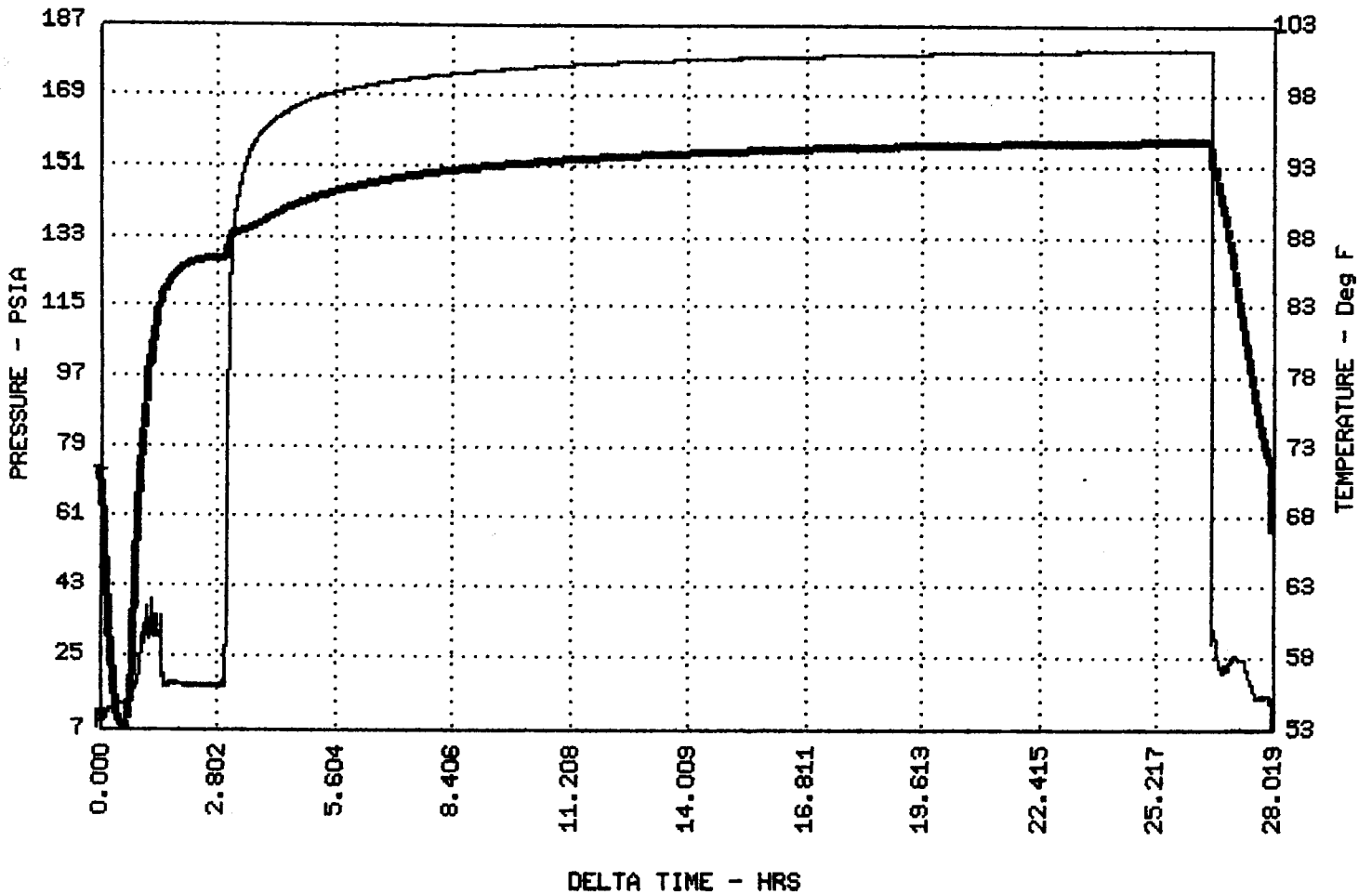




# EMR-710 WELL TEST DATA

COMPANY: PRECISION WELL TESTING  
CLIENT: ANADARKO PETROLEUM CORP.  
GAUGE NUMBER: 86059  
WELL NAME: FLOWER 'A'  
WELL NUMBER: 1  
TEST NUMBER: TOWANDA (2611-2656)  
LOCATION: SW 25-31S-38W STEVENS CO., KS.  
TEST OPERATOR: HELM  
COMMENTS: LOWER GAUGE SET AT 2625'.

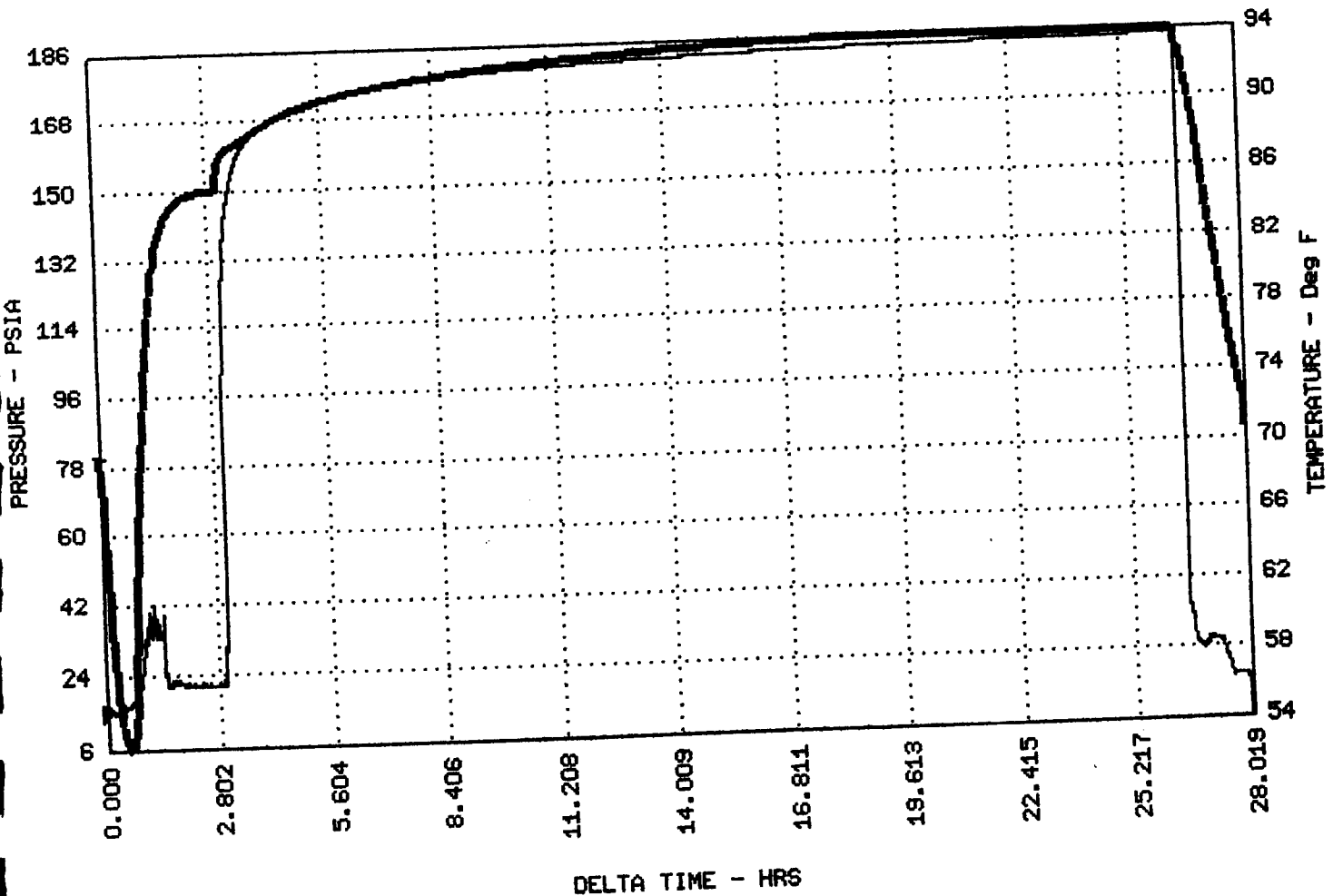
Starting date: 12/08/94  
time: 17:07:00



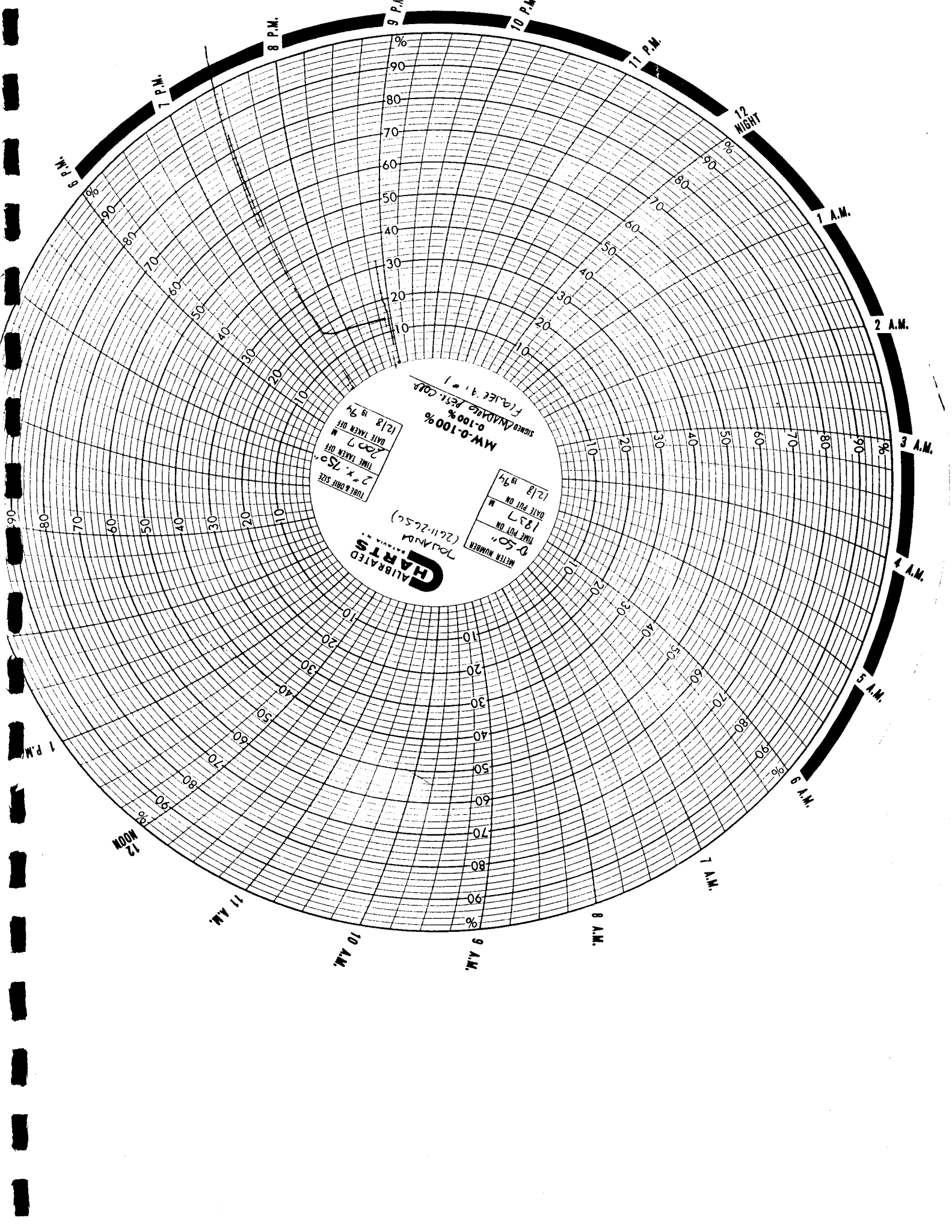
# EMR-710 WELL TEST DATA

COMPANY: PRECISION WELL TESTING  
CLIENT: ANADARKO PETROLEUM CORP.  
GAUGE NUMBER: 87011  
WELL NAME: FLOWER 'A'  
WELL NUMBER: 1  
TEST NUMBER: TOWANDA (2611-2656)  
LOCATION: SW 25-31S-38W STEVENS CO., KS.  
TEST OPERATOR: HELM  
COMMENTS: UPPER GAUGE SET AT 2621'.

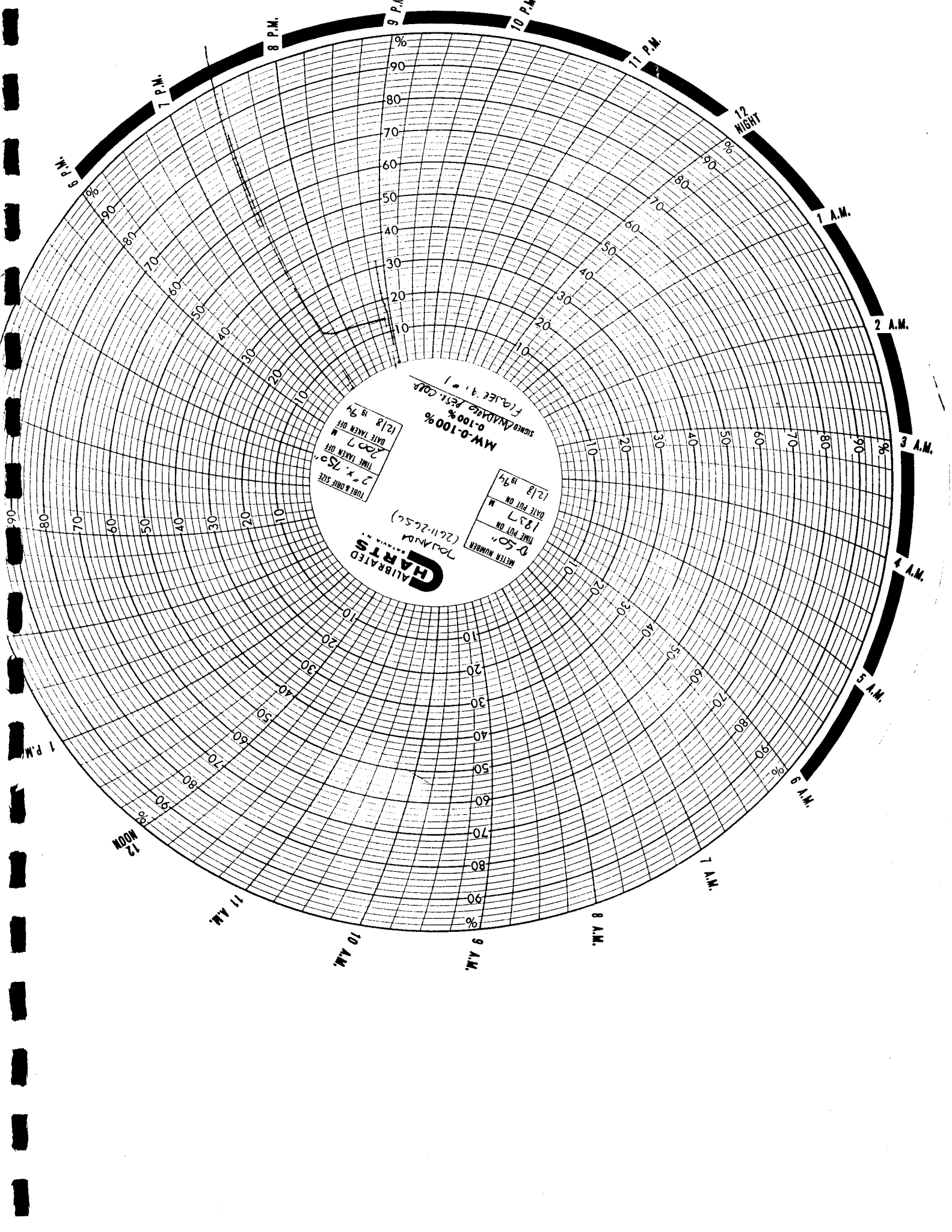
Starting date: 12/08/94  
time: 17:07:00







METER NUMBER  
 701A (26112650)  
 DATE PUT ON M 12/18/94  
 TIME PUT ON 1837  
 DATE TAKEN OFF M 2/20/97  
 TIME TAKEN OFF 2 x 750  
 TUBE & OHM SIZE  
 0-100%  
 SIGNED AND MADE TEST. COR.  
 FINGER # 1



METER NUMBER  
 701A (26112650)  
 DATE PUT ON M 12/18/94  
 TIME PUT ON 1837  
 DATE TAKEN OFF M 2/20/97  
 TIME TAKEN OFF 2 x 750  
 TUBE & OHM SIZE  
 0-100%  
 SIGNED AND MADE TEST. COR.  
 FINGER # 1

CS# 8 5/8 WT 24.0 SET 2435 TD PB GL  
 TBG WT 2611 TO SN PKR KB  
 PERFS 2611 TO TAPS TO TCR  
 PROVER METER ORIFICE PCR TCR  
 GG .755 API GM RESERVOIR TOWANDA

PRODUCER ANADARKO PETROLEUM CORP  
 WELL NAME FLOWER 'A' #1  
 LOCATION 25-31S-38W  
 COUNTY STEVENS STATE KS

**Precision Well Testing**  
 P.O. BOX 1843  
 LIBERAL, KANSAS 67905-1843  
 PHONE: 316-624-4505  
 MOBILE: 316-624-6258 UNIT 9390

DATE TIME OF READING	ELAP TIME HOURS	WELLHEAD PRESSURE DATA			MEASUREMENT DATA			LIQUIDS		TYPE TEST:	INITIAL ANNUAL	SPECIAL RETEST	ENDING DATE
		CSG PSIG	$\Delta$ P TBG PSIG	$\Delta$ P BHP PSIG	PRESS. PSIG	DIFF.	TEMP	COND. BBL.	WATER BBL.				
THURSDAY 12-8-94													
1010													START IN WELL WITH CORE BARREL.
1120													CORE BARREL ON BOTTOM.
1150													START CORING.
1325													FINISH CORING TOWANDA (2611-2656).
1430													START OUT OF WELL WITH CORE BARREL.
1540													CORE BARREL ON SURFACE.
1707													POWER UP GRC EMS-725 INSTRUMENTS.
1711													START IN WELL WITH INSTRUMENTS.
1836													INSTRUMENTS ON BOTTOM.
													BOTTOM OF TOP PACKER - 2606'
													BOTTOM OF BOTTOM PACKER - 2614'
													BOTTOM OF TOP GAUGE - 2621'
													BOTTOM OF LOWER GAUGE - 2625'
1837													SET PACKER.
1837													GAS VOLUMES CORRECTED TO A .755 GRAVITY.
1842									8.0				GAS TO SURFACE.
1847									8.0				
1852									8.0				
1857									8.0				
1902									8.0				
1907									7.5				
1912									7.5				

START FLOW PERIOD WITH 2" O.W.T. AND 3/4" PLATE.

35.6

35.6

35.6

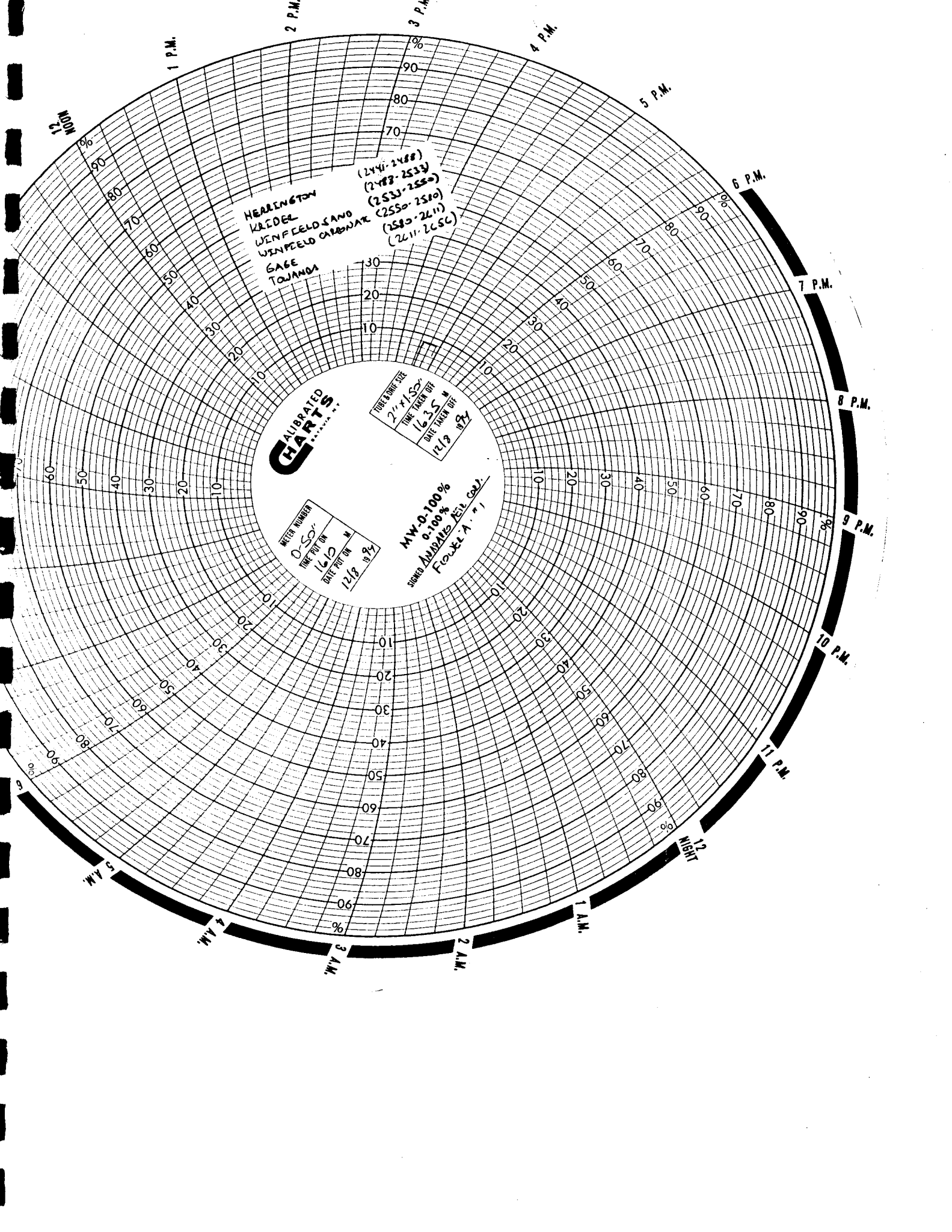
35.6

35.6

34.5

34.5





1 P.M.

2 P.M.

3 P.M.

4 P.M.

5 P.M.

6 P.M.

7 P.M.

8 P.M.

9 P.M.

10 P.M.

11 P.M.

NIGHT

1 A.M.

2 A.M.

3 A.M.

4 A.M.

5 A.M.

MOON

HEARLINGTON  
WEIDEL  
WINFIELD SAND  
WINFIELD CARBONATE  
GAGE  
TOJANDA

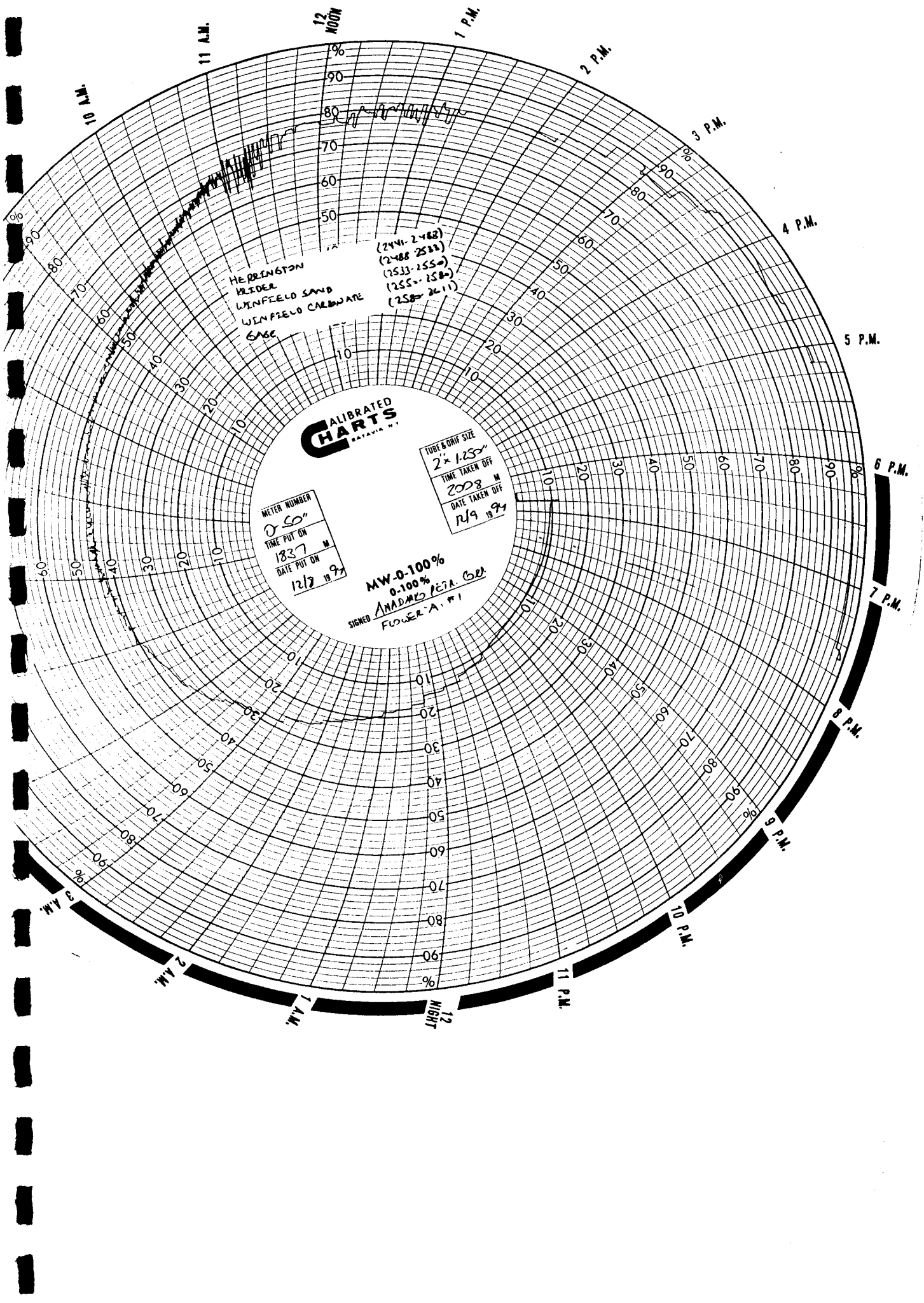
(2441-2488)  
(2488-2533)  
(2533-2550)  
(2550-2611)  
(2611-2656)

**CALIBRATED  
CHARTS**

TUBE RANGE SIZE  
2" x 1/2"  
TIME TAKEN OFF  
16:35  
DATE TAKEN OFF  
12/18 1987

METER NUMBER  
D-50-  
TIME PUT ON  
16:10  
DATE PUT ON  
12/18 1987

M.W. 0-100%  
0-100%  
FLOWER A



HERRINGTON  
 BLEDER  
 WINFIELD SAND  
 WINFIELD CARBONATE  
 CASE

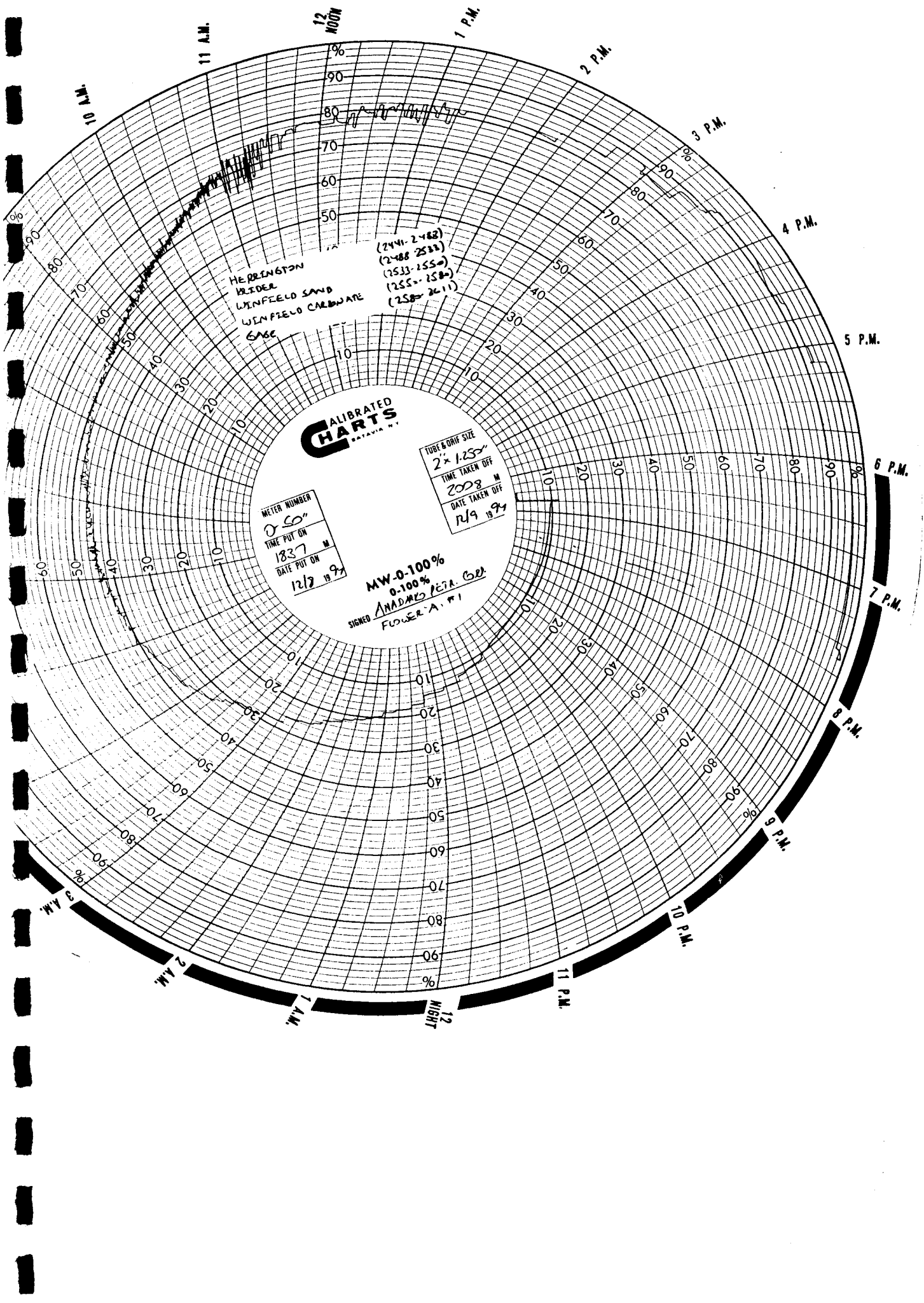
(2441-2482)  
 (2488-2533)  
 (2533-2552)  
 (2552-2582)  
 (2582-2611)

**CALIBRATED  
 CHARTS**  
 PATENTED IN U.S.A.

METER NUMBER  
 0-50"  
 TIME PUT ON  
 1837 M  
 DATE PUT ON  
 12/2 19 92

TUBE & DRIF SIZE  
 2 x 1.25"  
 TIME TAKEN OFF  
 2008 M  
 DATE TAKEN OFF  
 12/9 19 92

MW-0-100%  
 0-100%  
 SIGNED ANADIMES PERA. G.P.  
 FLOWER A. P. 1



PRODUCER ANADARKO PETROLEUM CORP  
 WELL NAME FLOWER 'A' #1  
 LOCATION 25-31S-38W  
 COUNTY STEVENS STATE KS  
 CSB 8 5/8 WT 24.0 SET 2435 TD PB GL  
 TBG WT SET SN PKR KB  
 PERFS TO TO TO TO  
 PROVER METER TAPS ORIFICE PCR TCR  
 GG API GM RESERVOIR

PRODUCER ANADARKO PETROLEUM CORP  
 WELL NAME FLOWER 'A' #1  
 LOCATION 25-31S-38W  
 COUNTY STEVENS STATE KS

**Precision Well Testing**  
 P.O. BOX 1843  
 LIBERAL, KANSAS 67905-1843  
 PHONE: 316-624-4505  
 MOBILE: 316-624-6258 UNIT 9390

DATE OF READING	ELAP TIME HOURS	WELLHEAD PRESSURE DATA			MEASUREMENT DATA			LIQUIDS		TYPE TEST	INITIAL ANNUAL	SPECIAL RETEST	ENDING DATE
		CSG PSIG	TBG PSIG	Δ P TBG	BHP PSIG	Δ P BHP	PRESS. PSIG	DIFF.	TEMP				
THURSDAY 12-8-94													12-9-94
1610													
1615						4.0			127				
1620						4.0			127				
1625						4.0			127				
1630						4.0			127				
1635						4.0			127				
1837													
1842						4.5			85				
1847						4.5			85				
1852						4.5			85				
1857						4.5			85				
1902						4.5			85				
1907						4.5			85				
1912						4.5			85				
1917						4.5			85				
1922						4.5			85				
1927						4.5			85				
1932						4.5			85				
1937						4.5			85				
1942						4.5			85				

GAS VOLUMES CORRECTED TO A .720 GRAVITY.  
 RUN 1 STAND DRILLPIPE IN WELL.  
 INSTALL 2" VALVE IN DRILLPIPE AT SURFACE (CLOSED).  
 INSTALL 2" O.W.T. WITH 1 1/2" PLATE DIRECTLY OFF CASING.  
 (COMINGLED GAS FROM HERRINGTON (2441-2486), KRIDER (2488-2533), WINFIELD SAND (2533-2550), WINFIELD CARBONATE (2550-2580), GAGE (2580-2611), AND TOWANDA (2611-2656)).

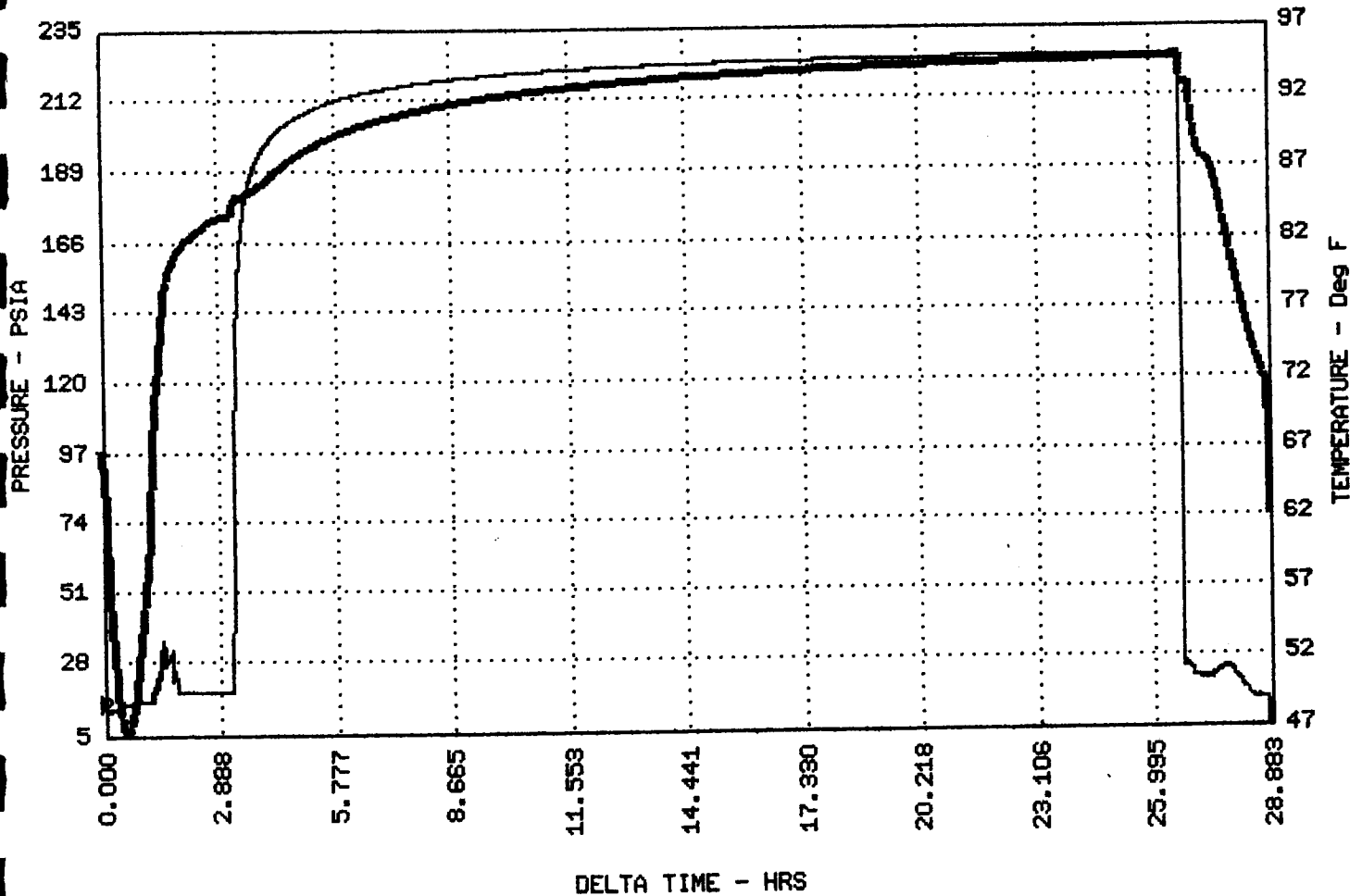
END COMINGLED FLOW TEST. PREPARE TO RUN IN WELL FOR DST. #6.  
 SET PACKER. INSTALL 2" O.W.T. WITH 1 1/4" PALTE DIRECTLY OFF CASING.  
 (COMINGLED FROM HERRINGTON 2441-2486), KRIDER (2488-2533), WINFIELD SAND (2533-2550), WINFIELD CARBONATE (2550-2580), AND GAGE (2580-2611).



# EMR-710 WELL TEST DATA

COMPANY: PRECISION WELL TESTING  
CLIENT: ANADARKO PETROLEUM CORP.  
GAUGE NUMBER: 86059  
WELL NAME: FLOWER 'A'  
WELL NUMBER: 1  
TEST NUMBER: UPPER FT. RILEY (2656-2700)  
LOCATION: SW 25-31S-38W STEVENS CO., KS.  
TEST OPERATOR: HELM  
COMMENTS: LOWER GAUGE SET AT 2686'.

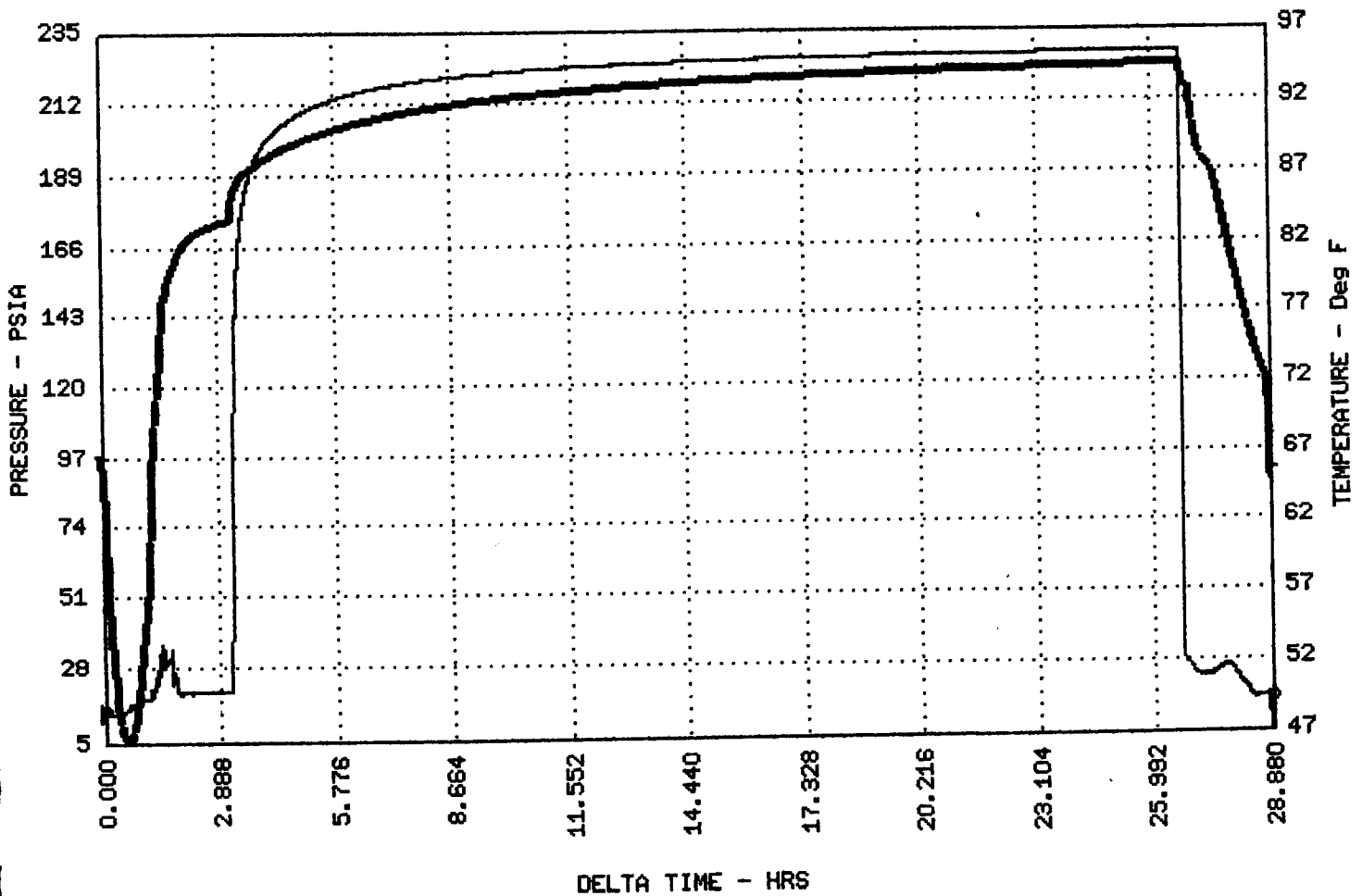
Starting date: 12/10/94  
time: 07:07:00



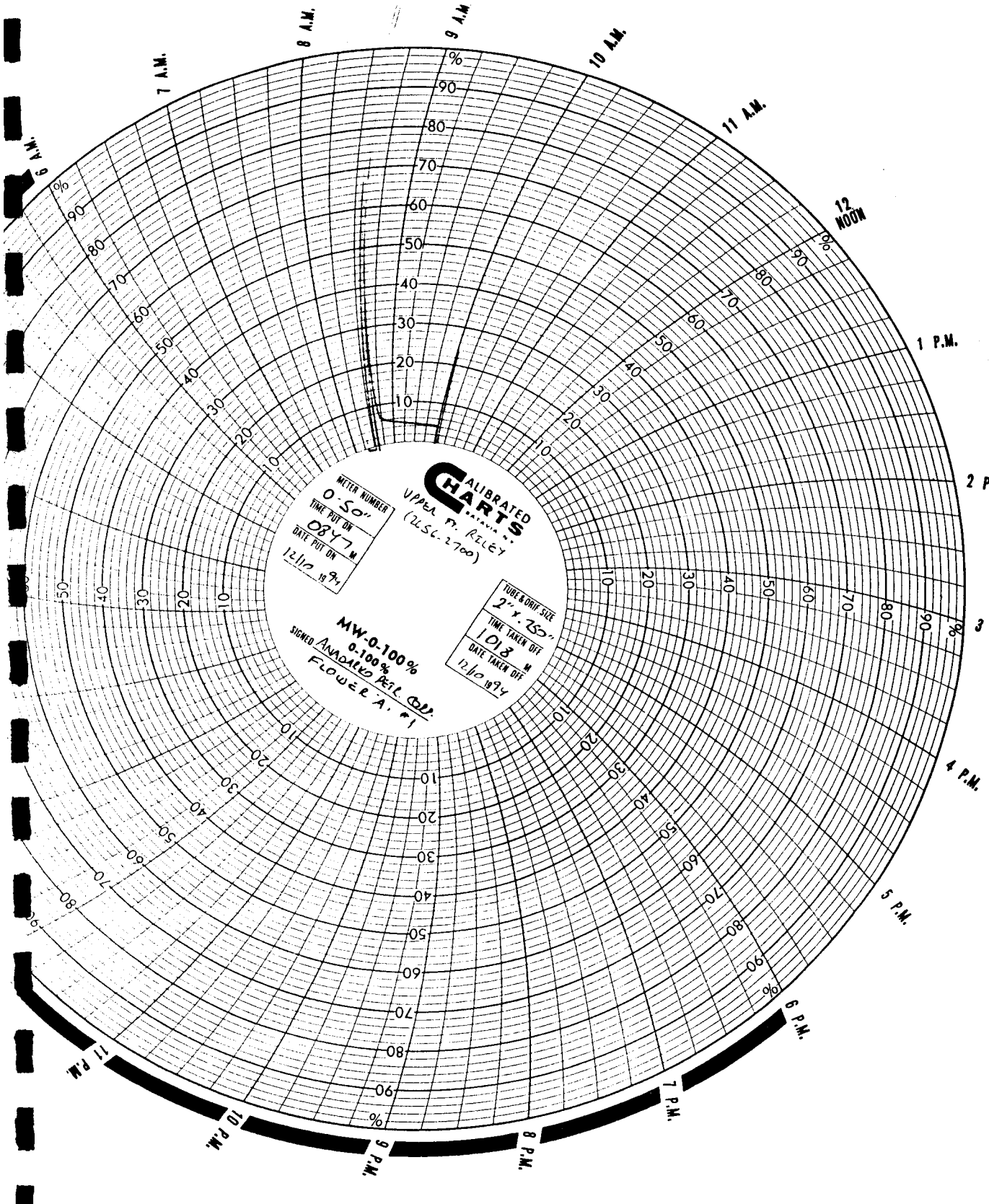
# EMR-710 WELL TEST DATA

COMPANY: PRECISION WELL TESTING  
CLIENT: ANADARKO PETROLEUM CORP.  
GAUGE NUMBER: 87011  
WELL NAME: FLOWER 'A'  
WELL NUMBER: 1  
TEST NUMBER: UPPER FT. RILEY (2656-2700)  
LOCATION: SW 25-31S-38W STEVENS CO., KS.  
TEST OPERATOR: HELM  
COMMENTS: UPPER GAUGE SET AT 2682'.

Starting date: 12/10/84  
time: 07:07:00







**CALIBRATED CHARTS**  
VIPA & R. RELEY  
(U.S.C. 2700)

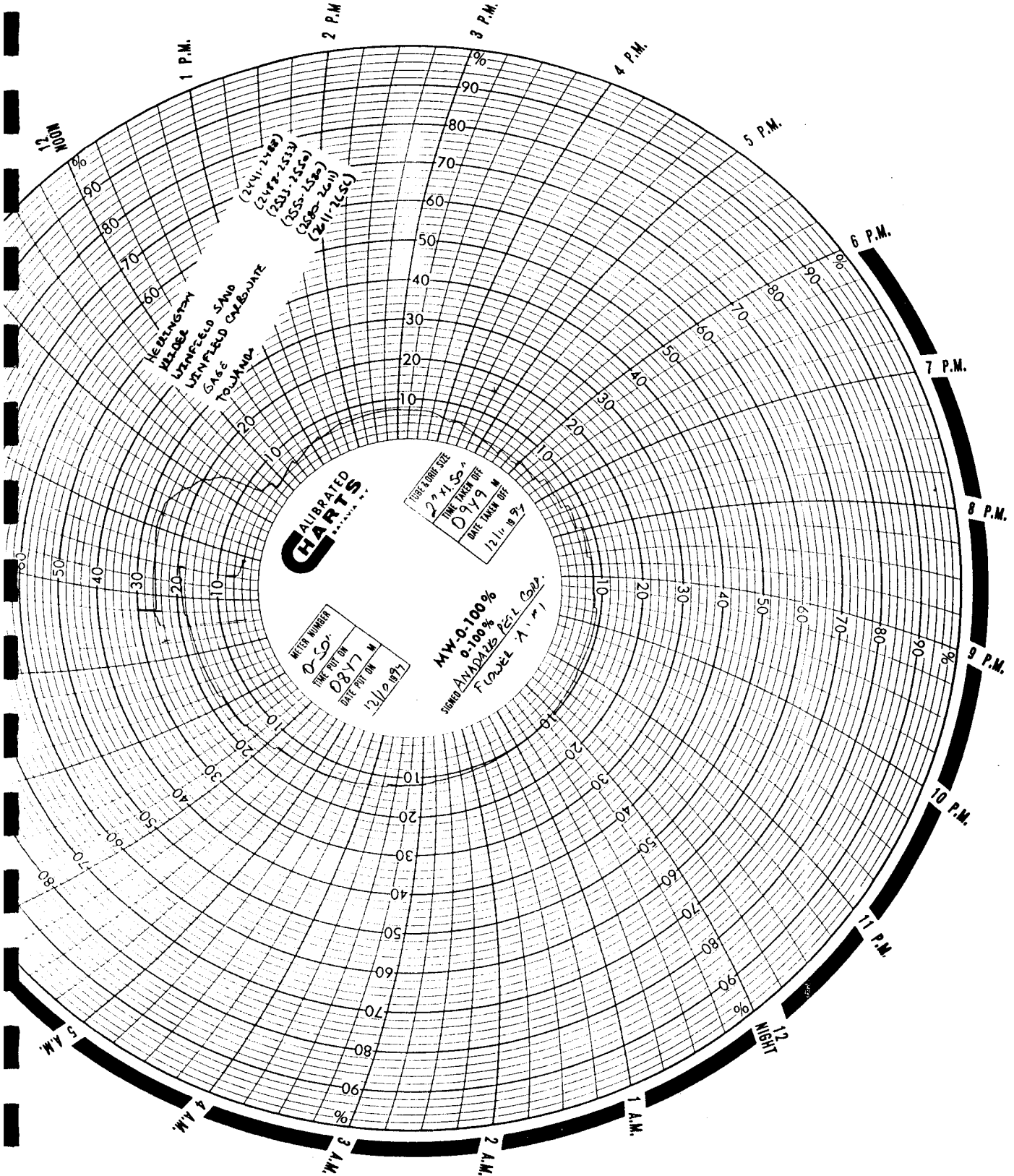
METER NUMBER  
0-50"  
TIME PUT ON  
0847 M  
DATE PUT ON  
12/10/84

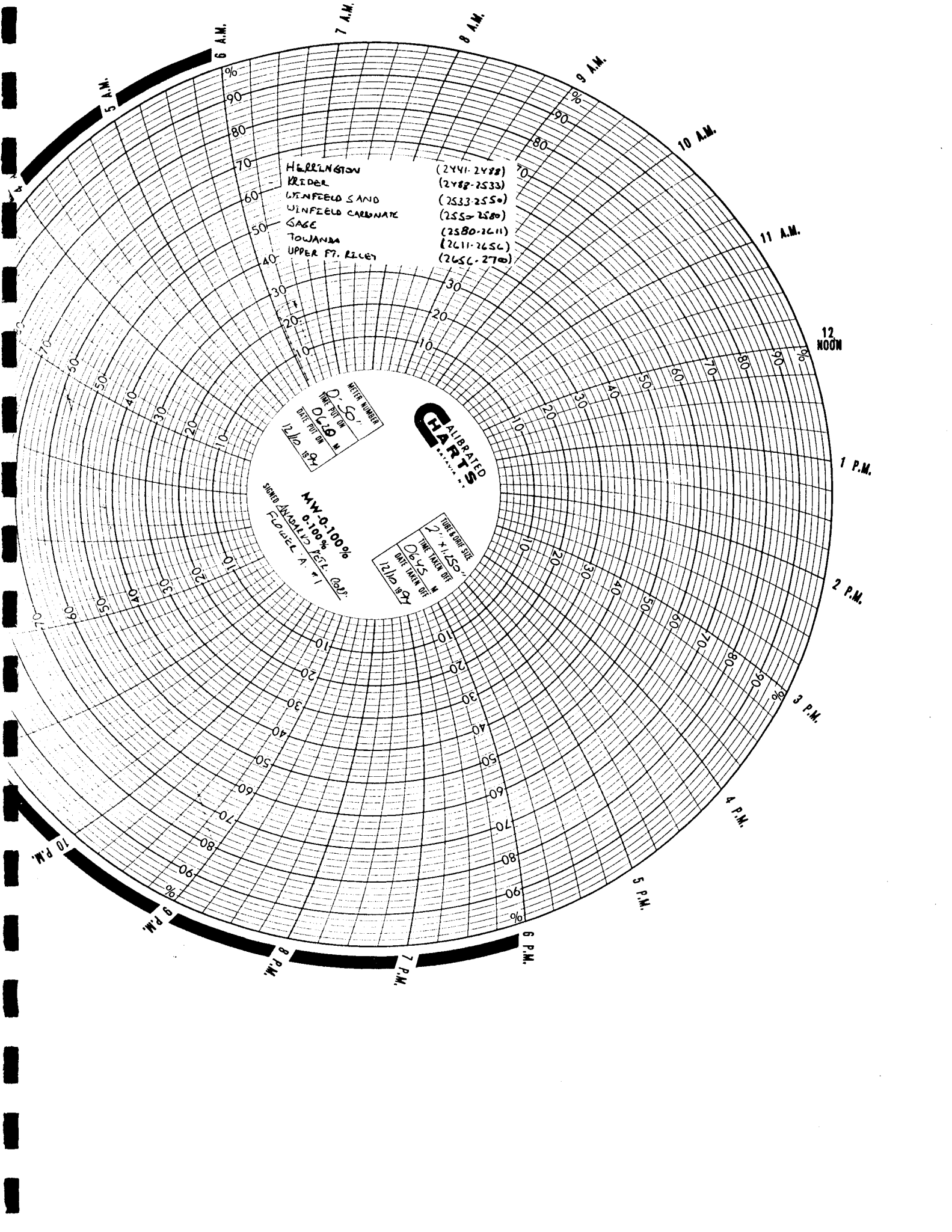
TUBE ORIF. SIZE  
2" x 25"  
TIME TAKEN OFF  
1018 M  
DATE TAKEN OFF  
12/10/84

MW-0-100%  
0-100%  
SIGNED ANNAKLO P&L CO. J.  
FLOWER A. #1









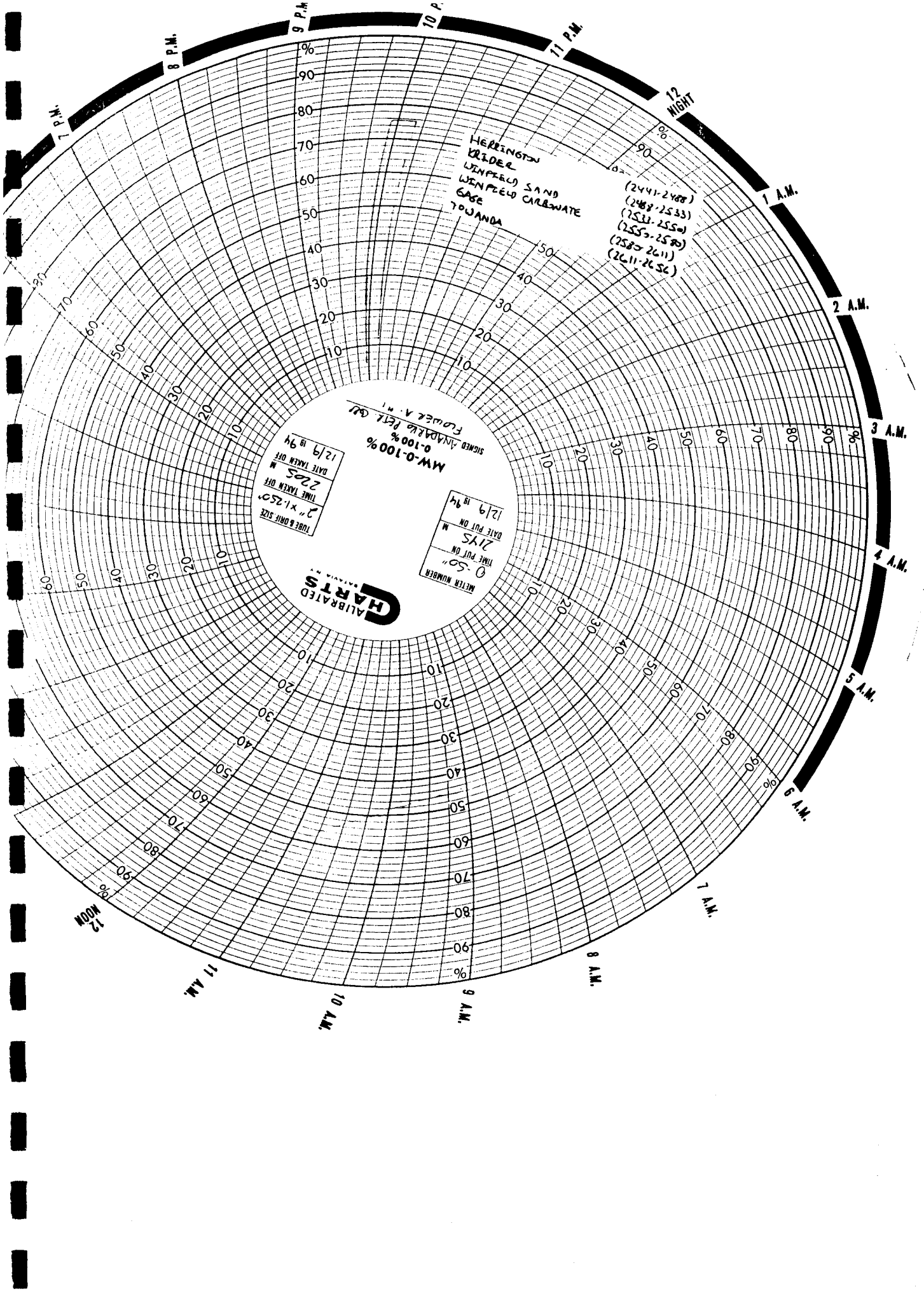
HERRINGTON (2441-2488)  
KREIDER (2488-2533)  
WINFIELD SAND (2533-2550)  
WINFIELD CARBONATE (2550-2580)  
GAGE (2580-2611)  
TOWANDA (2611-2656)  
UPPER FT. RILEY (2656-2700)

WATER NUMBER  
D-50  
TIME TAKEN BY  
0619 M.  
DATE TAKEN BY  
12/10/59

STANDARD GRADE  
0-100%  
FLO WEL. A #1

**GA** CALIBRATED  
CHARTS

TYPE & UNIT SIZE  
7' x 12.5"  
TIME TAKEN BY  
0645 M.  
DATE TAKEN BY  
12/10/59

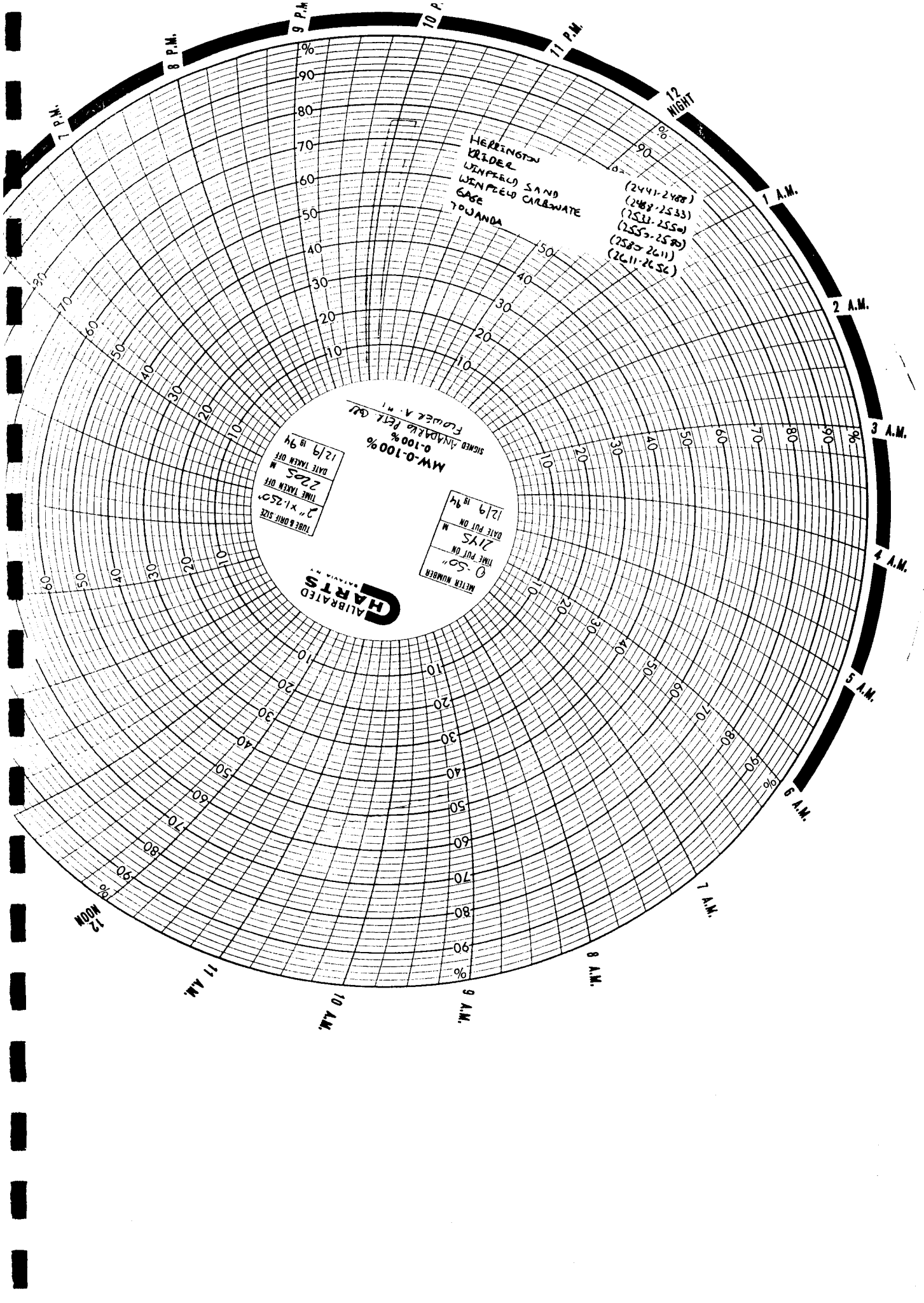


HERBINGTON  
 KRIDEL  
 WINFIELD SAND  
 WINFIELD CARBONATE  
 GAGE  
 TOJANDA  
 (2441-2488)  
 (2489-2533)  
 (2534-2550)  
 (2551-2590)  
 (2591-2611)  
 (2612-2656)

METER NUMBER  
 0-50  
 DATE PUT ON  
 12/9 89  
 TIME PUT ON  
 2:15  
 TUBE ORNG. SIZE  
 2" x 1.250"  
 TIME TAKEN OFF  
 2:25  
 DATE TAKEN OFF  
 12/9 89

METER NUMBER  
 0-100%  
 DATE PUT ON  
 12/9 89  
 TIME PUT ON  
 12:19  
 TUBE ORNG. SIZE  
 2" x 1.250"  
 TIME TAKEN OFF  
 2:25  
 DATE TAKEN OFF  
 12/9 89

CALIBRATED  
 CHARTS  
 BOSTON, MASS.



**Precision Well Testing**  
 P.O. BOX 1843  
 LIBERAL, KANSAS 67905 - 1843  
 PHONE: 316-624-4505  
 MOBILE: 316-624-6258 UNIT 9390

PRODUCER ANADARKO PETROLEUM CORP  
 WELL NAME FLOWER 'A' #1  
 LOCATION 25-31S-38W  
 COUNTY STEVENS STATE KS

CSG 8 5/8 WT 24.0 SET 2435 TO PB GL  
 TBG WT SET 9 SN PKR KB  
 PERFS TO TO TO TCR  
 PROVER METER TAPS ORIFICE FCR TCR  
 GG .720EST API GM RESERVOIR

DATE TIME OF READING	ELAP TIME HOURS	WELLHEAD PRESSURE DATA				MEASUREMENT DATA				LIQUIDS COND. BBL. WATER BBL.	TYPE TEST	INITIAL ANNUAL	SPECIAL RETEST	ENDING DATE	
		CSG PSIG	$\Delta$ P CSG	TBG PSIG	$\Delta$ P TBG	BHP PSIG	$\Delta$ P BHP	PRESS. PSIG	DIFF.						TEMP
FRIDAY 12-9-94															
2145															
2150						38				247					
2155						38				247					
2200						38				247					
2205						38				247					
SATURDAY 12-10-94															
0620															
0625						12.5				141					
0630						12.5				141					
0635						12.5				141					
0640						12.5				141					
0645						12.5				141					
0847															
0852						12.5				225					
0857						12.5				225					
0902						12.5				225					
0907						12.5				225					
0912						12.5				225					

GAS VOLUMES CORRECTED TO A .720 GRAVITY.

RUN 1 STAND DRILLPIPE IN WELL.

INSTALL 2" VALVE IN DRILLPIPE AT SURFACE (CLOSED).

INSTALL 2" O.W.T. WITH 1 1/4" PLATE DIRECTLY OFF CASING

(COMINGLED GAS FROM HERRINGTON (2441-2488), KRIDER (2488-2533), WINFIELD SAND (2533-2550), WINFIELD CARBONATE (2550-2580), GAGE (2580-2611), AND TOWANDA (2611-2656)).

END FLOW. PREPARE TO RUN CORE BARREL.

RUN 1 STAND DRILLPIPE IN WELL.

INSTALL 2" VALVE IN DRILLPIPE AT SURFACE (CLOSED).

INSTALL 2" O.W.T. WITH 1 1/4" PLATE DIRECTLY OFF CASING

(COMINGLED HERRINGTON (2441-2488), KRIDER (2488-2533), WINFIELD SAND (2533-2550), WINFIELD CARBONATE (2550-2580), GAGE (2580-2611), TOWANDA (2611-2656), AND UPPER FT. RILEY (2656-2700)).

END COMINGLED FLOW TEST. PREPARE TO RUN IN WELL FOR DST. #7.

SET PACKER. INSTALL 2" O.W.T. WITH 1 1/2" PLATE DIRECTLY OFF CASING.

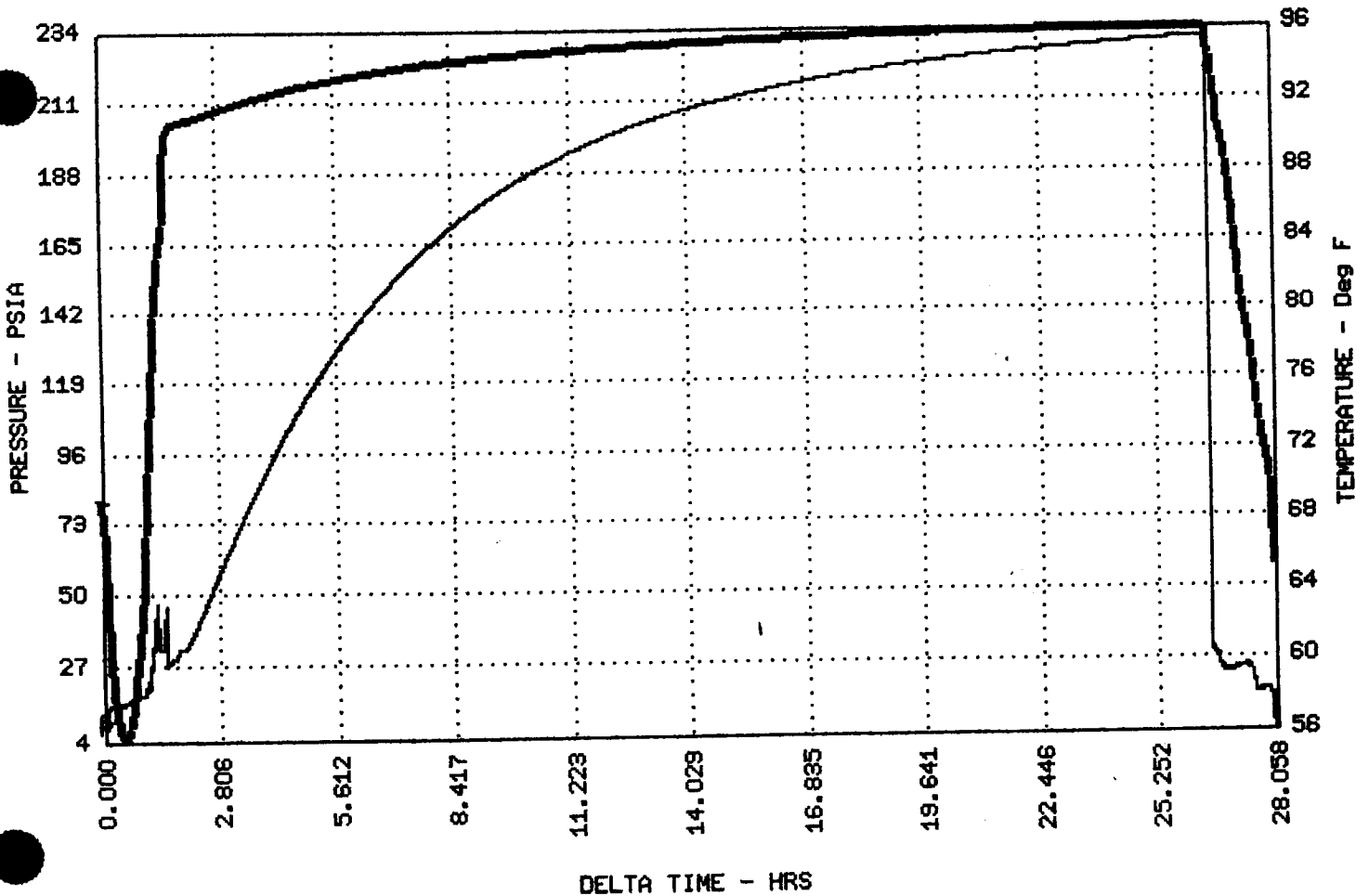
(COMINGLED HERRINGTON (2441-2488), KRIDER (2488-2533), WINFIELD SAND (2533-2550), WINFIELD CARBONATE (2550-2580), GAGE (2580-2611), AND TOWANDA (2611-2656)).



# EMR-710 WELL TEST DATA

COMPANY: PRECISION WELL TESTING  
CLIENT: ANADARKO PETROLEUM CORP.  
GAUGE NUMBER: 87011  
WELL NAME: FLOWER 'A'  
WELL NUMBER: 1  
TEST NUMBER: LOWER FT. RILEY (2700-2725)  
LOCATION: SW 25-31S-38W STEVENS CO., KS.  
TEST OPERATOR: HELM  
COMMENTS: UPPER GAUGE SET AT 2719'.

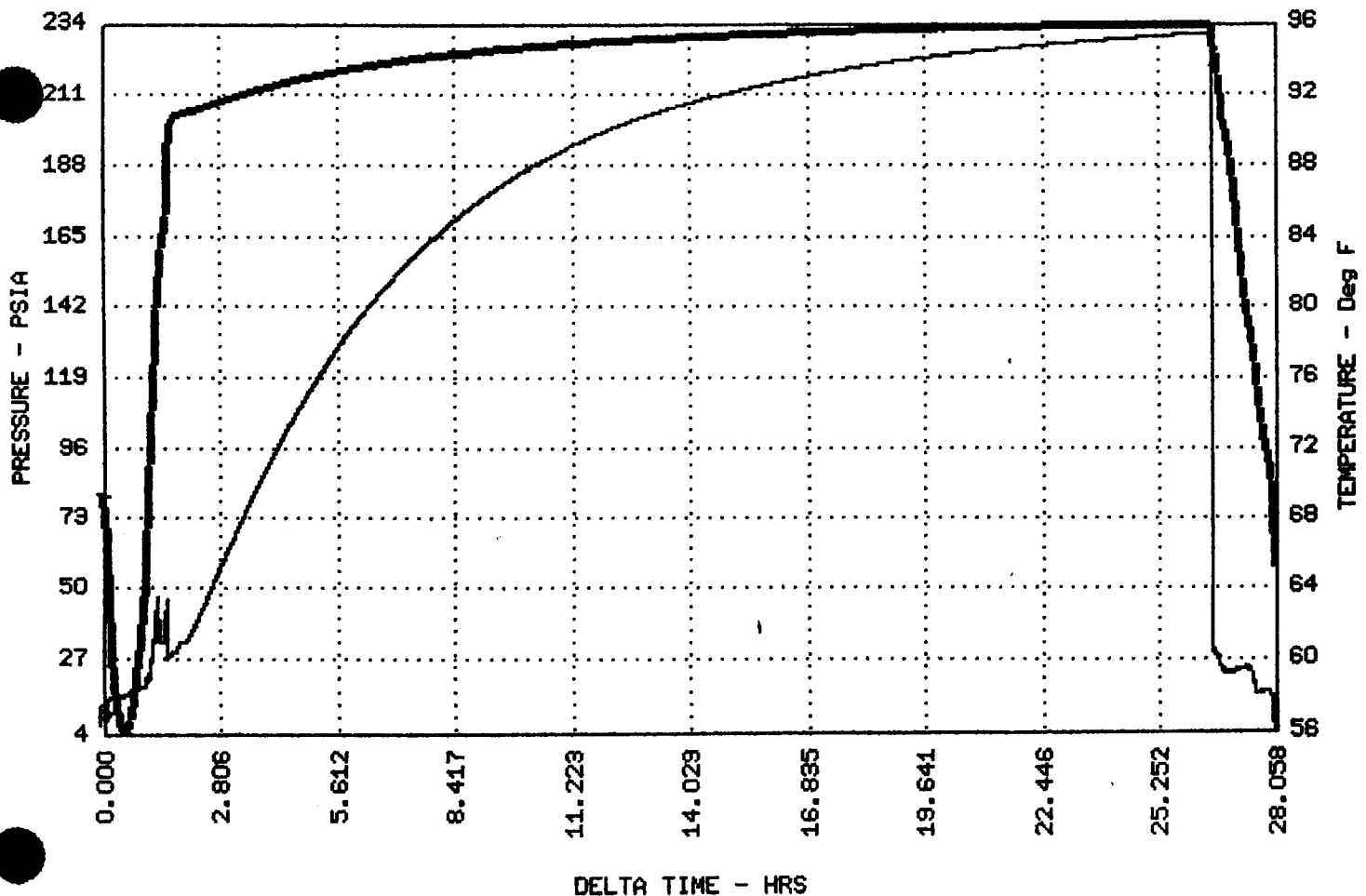
Starting date: 12/11/94  
time: 19:47:00

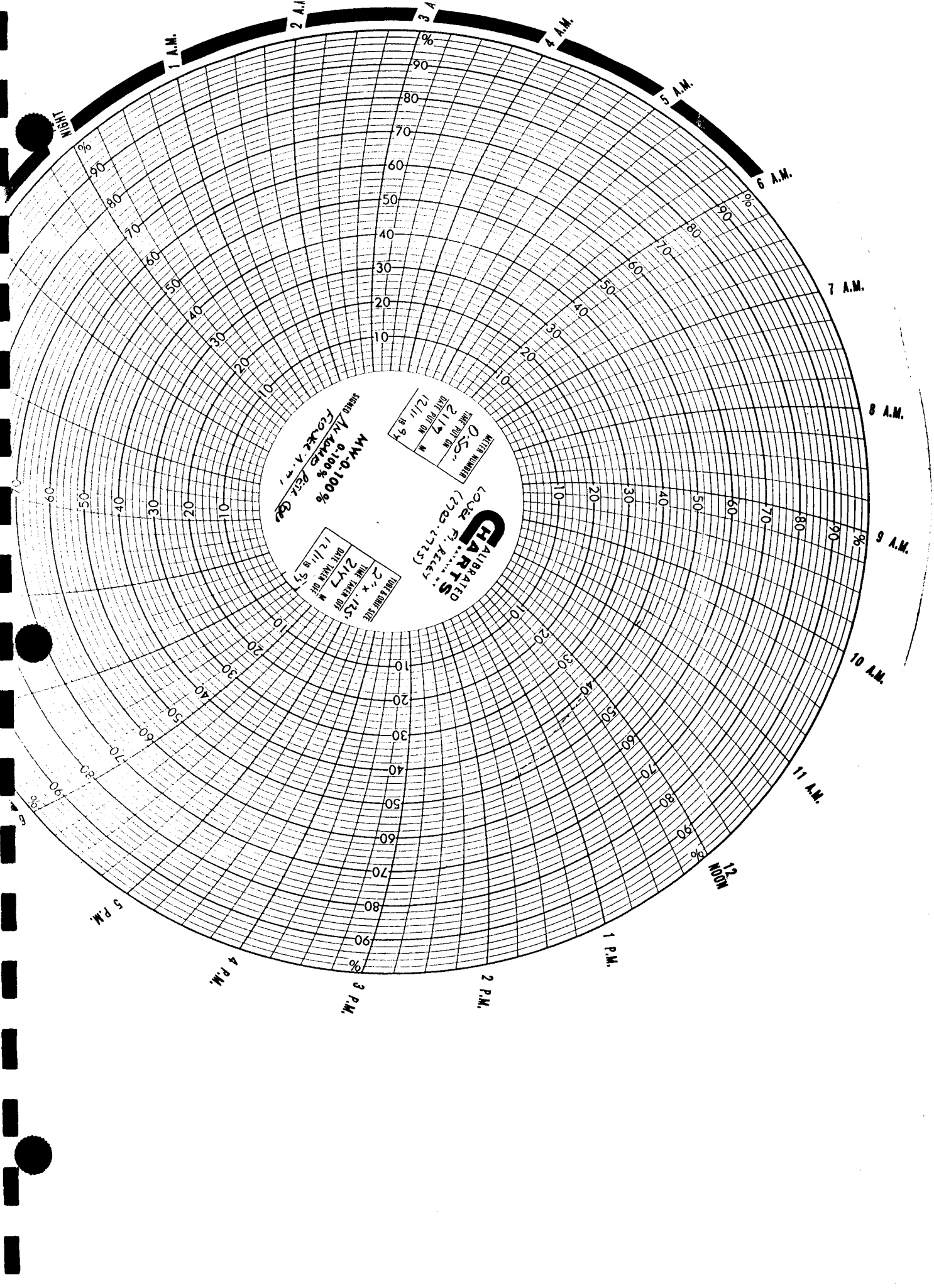


# EMR-710 WELL TEST DATA

COMPANY: PRECISION WELL TESTING  
CLIENT: ANADARKO PETROLEUM CORP.  
GAUGE NUMBER: 87011  
WELL NAME: FLOWER 'A'  
WELL NUMBER: 1  
TEST NUMBER: LOWER FT. RILEY (2700-2725)  
LOCATION: SW 25-31S-38W STEVENS CO., KS.  
TEST OPERATOR: HELM  
COMMENTS: UPPER GAUGE SET AT 2719'.

Starting date: 12/11/94  
time: 19:47:00





**CALIBRATED CHARTS**  
LOUISIANA POWER & LIGHT CO.  
(2722-2725)

SAMPLE NO. 1  
MW-0.100%  
RH-0.000%  
DB-72.0 F  
WB-72.0 F

COND. & HUMID. SIZE  
2.5 x 10.5  
2177  
DATE TAKEN 12/11/57

ARTICLE NUMBER  
0-5  
DATE TAKEN 12/11/57

1 A.M.

2 A.M.

3 A.M.

4 A.M.

5 A.M.

6 A.M.

7 A.M.

8 A.M.

9 A.M.

10 A.M.

11 A.M.

12 noon

1 P.M.

2 P.M.

3 P.M.

4 P.M.

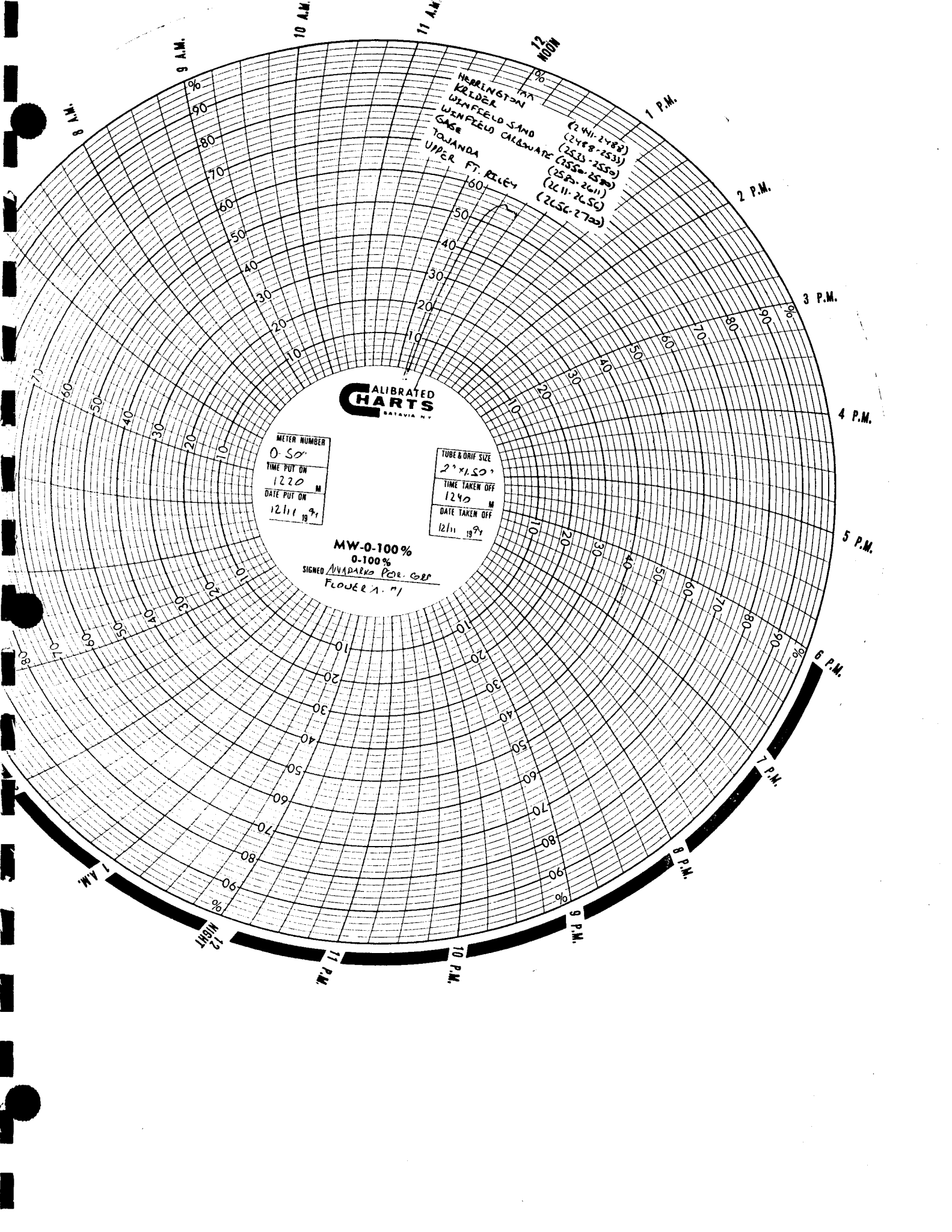
5 P.M.

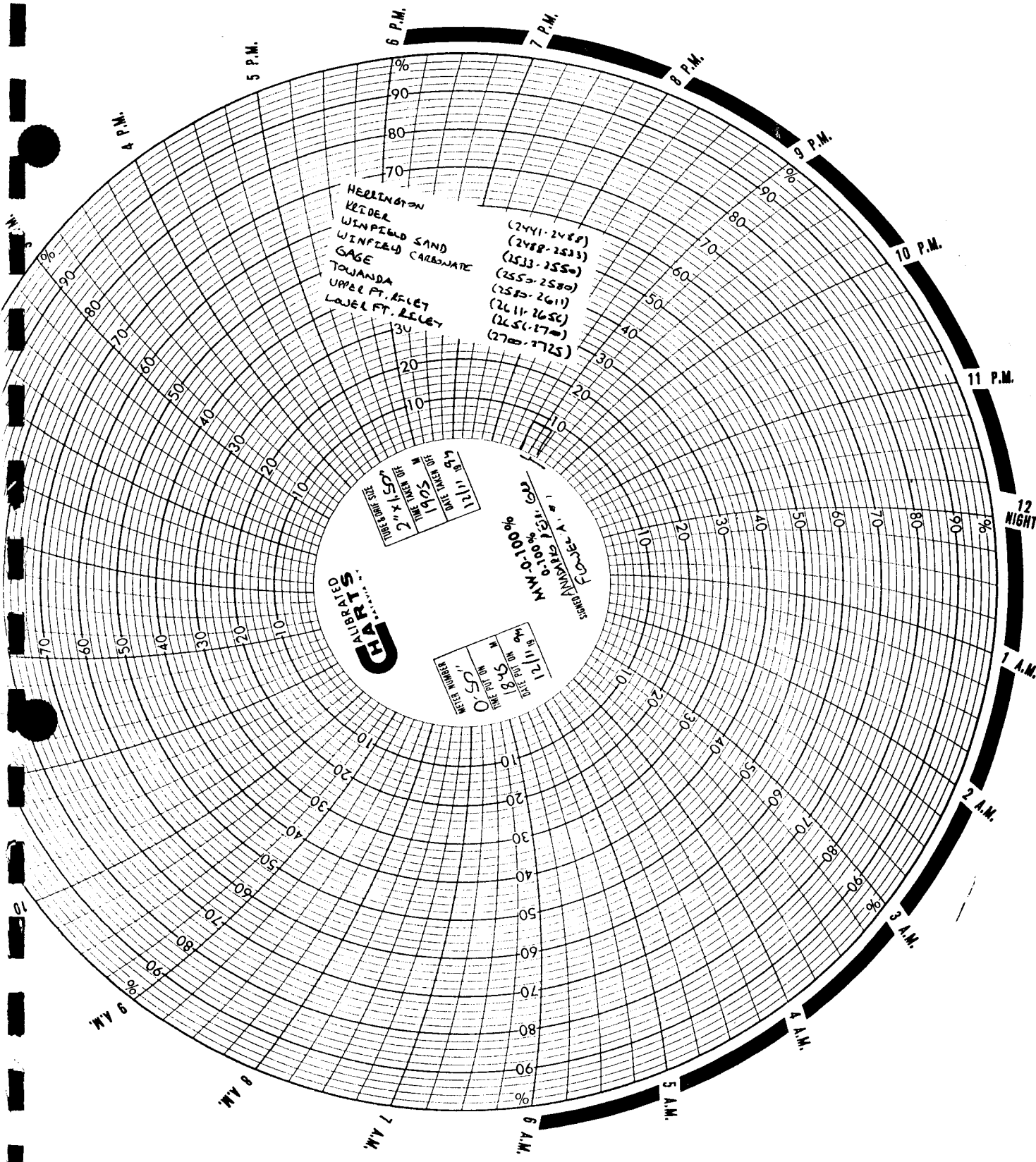
**Precision Well Testing**  
 P.O. BOX 1843  
 LIBERAL, KANSAS 67905 - 1843  
 PHONE: 316-624-4505  
 MOBILE: 316-624-6258 UNIT 9390

PRODUCER ANADARKO PETROLEUM CORP  
 WELL NAME FLOWER 'A' #1  
 LOCATION 25-31S-38W  
 COUNTY STEVENS STATE KS  
 CSG 8 5/8 WT 24.0 SET 2435 TD SN PKR GL  
 TBG WT SET 6 SN PKR KB  
 PERFS. 2700 TO 2725 TO TAPS ORIFICE PCR TCR  
 PROVER METER TAPS ORIFICE PCR TCR  
 GG API GM RESERVOIR LOWER FT. RILEY

DATE TIME OF READING	ELAP TIME HOURS	WELLHEAD PRESSURE DATA			MEASUREMENT DATA			LIQUIDS COND. WATER BBL. BBL.	Q MCFD	TYPE TEST:	INITIAL ANNUAL	SPECIAL RETEST	ENDING DATE
		CSG PSIG	$\Delta P$ CSG	TBG PSIG	$\Delta P$ TBG	BHP PSIG	$\Delta P$ BHP						
SUNDAY 12-11-94													
1320													START IN WELL WITH CORE BARREL.
1450													CORE BARREL ON BOTTOM.
1530													START CORING.
1630													FINISH CORING LOWER FT. RILEY (2700-2725).
1725													START OUT OF WELL WITH CORE BARREL.
1830													CORE BARREL ON SURFACE.
1947													POWER UP GRC EMS-725 INSTRUMENTS.
1952													START IN WELL WITH INSTRUMENTS.
2113													INSTRUMENTS ON BOTTOM.
													BOTTOM OF TOP PACKER - 2704'
													BOTTOM OF BOTTOM PACKER - 2712'
													BOTTOM OF TOP GAUGE - 2719'
													BOTTOM OF LOWER GAUGE - 2723'
													SET PACKER.
2117													
2117													START FLOW PERIOD WITH 2" O.W.T. AND 1/8" PLATE
2122									0				
2127									0				
2132									0				
2137									0				
2142									0				
2147									0				CLOSE DOWNHOLE SHUT-OFF.







HEERINGTON  
 KEIDER  
 WINFIELD SAND  
 WINFIELD CARBONATE  
 GAGE  
 TOWANDA  
 UPPER FT. KELEY  
 LOWER FT. KELEY

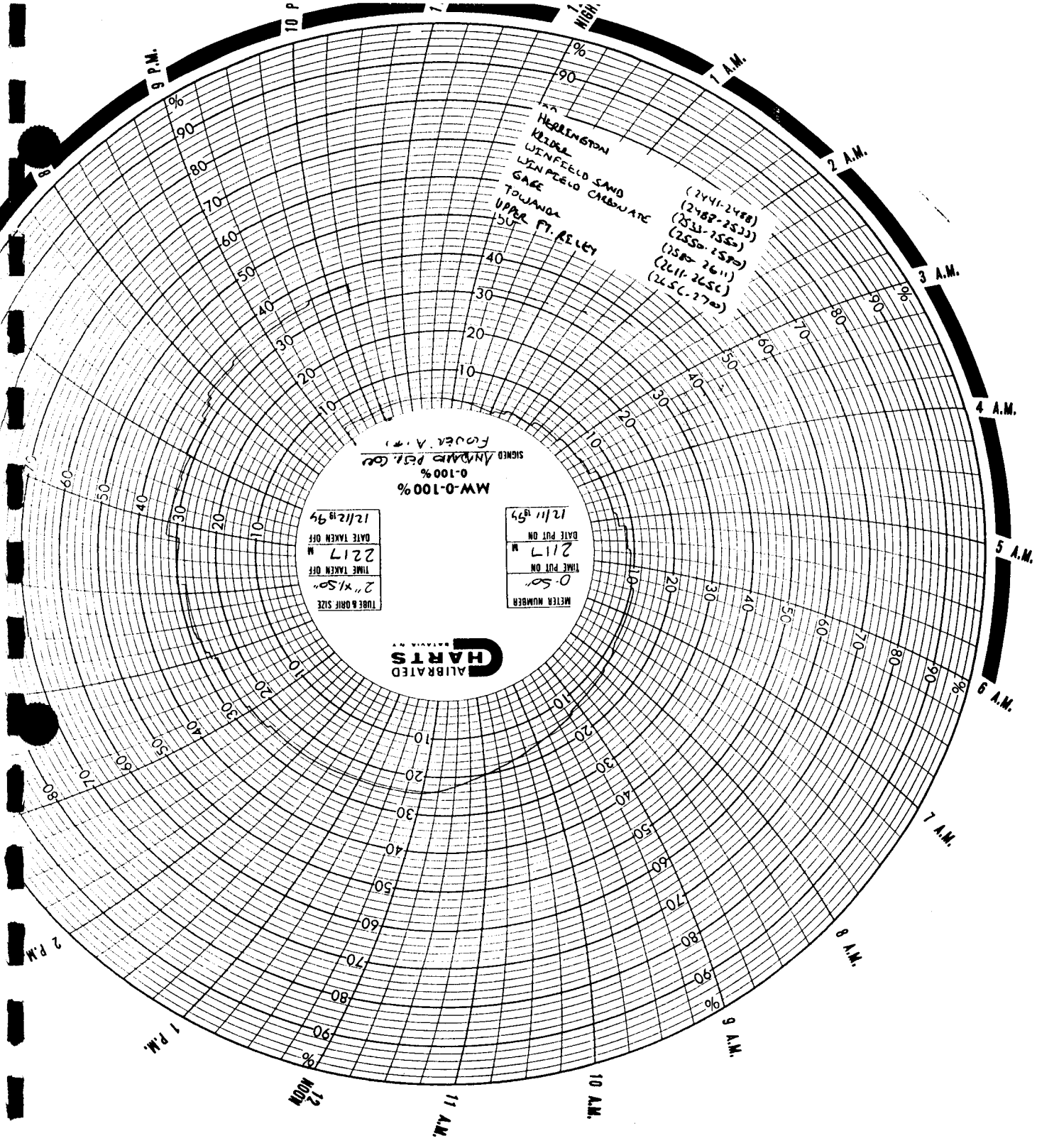
(2441-2488)  
 (2488-2533)  
 (2533-2580)  
 (2580-2611)  
 (2611-2656)  
 (2656-2700)  
 (2700-2725)

THE ORDER NO. 2  
 THE NUMBER 1605  
 THE DATE 11/11/11  
 THE TIME 11:11 AM

CORRECTED  
 M.W. 0.1000  
 ANOMALY 0.0100  
 F. CORRECTED

**CHARLES**  
 STARRS  
 DISTRICT OFFICE

THE ORDER NO. 8  
 THE NUMBER 1211  
 THE DATE 11/11/11  
 THE TIME 11:11 AM



**Precision Well Testing**  
 P.O. BOX 1843  
 LIBERAL, KANSAS 67905-1843  
 PHONE: 316-624-4505  
 MOBILE: 316-624-6258 UNIT 9390

PRODUCER ANDARKO PETROLEUM CORP  
 WELL NAME FLOWER 'A' #1  
 LOCATION SW 25-31S-38W  
 COUNTY STEVENS STATE KS

CSG 8 5/8 WT 24.0 SET 2435 TD SN PKR GL  
 TBG WT SET PKR KB  
 PERFS TO TO TO TO  
 PROVER METER TAPS ORIFICE PCR TCR  
 GG .720EST API GM RESERVOIR

DATE TIME OF READING	ELAP TIME HOURS	WELLHEAD PRESSURE DATA			MEASUREMENT DATA			LIQUIDS		TYPE TEST:	INITIAL ANNUAL	SPECIAL RETEST	ENDING DATE
		CSG PSIG	$\Delta$ P CSG	TBG PSIG	$\Delta$ P TBG	BHP PSIG	DIFF. PSIG	TEMP	O MCF/D				
SUNDAY 12-11-94													
1220													
1225					28			336					
1230					28			336					
1235					28			336					
1240					28			336					
1845													
1850					4.0			127					
1855					4.0			127					
1900					4.0			127					
1905					4.0			127					
2117													
2122					1.5			77					
2127					1.5			77					
2132					1.5			77					
2137					1.5			77					
2142					1.5			77					
2147					1.5			77					

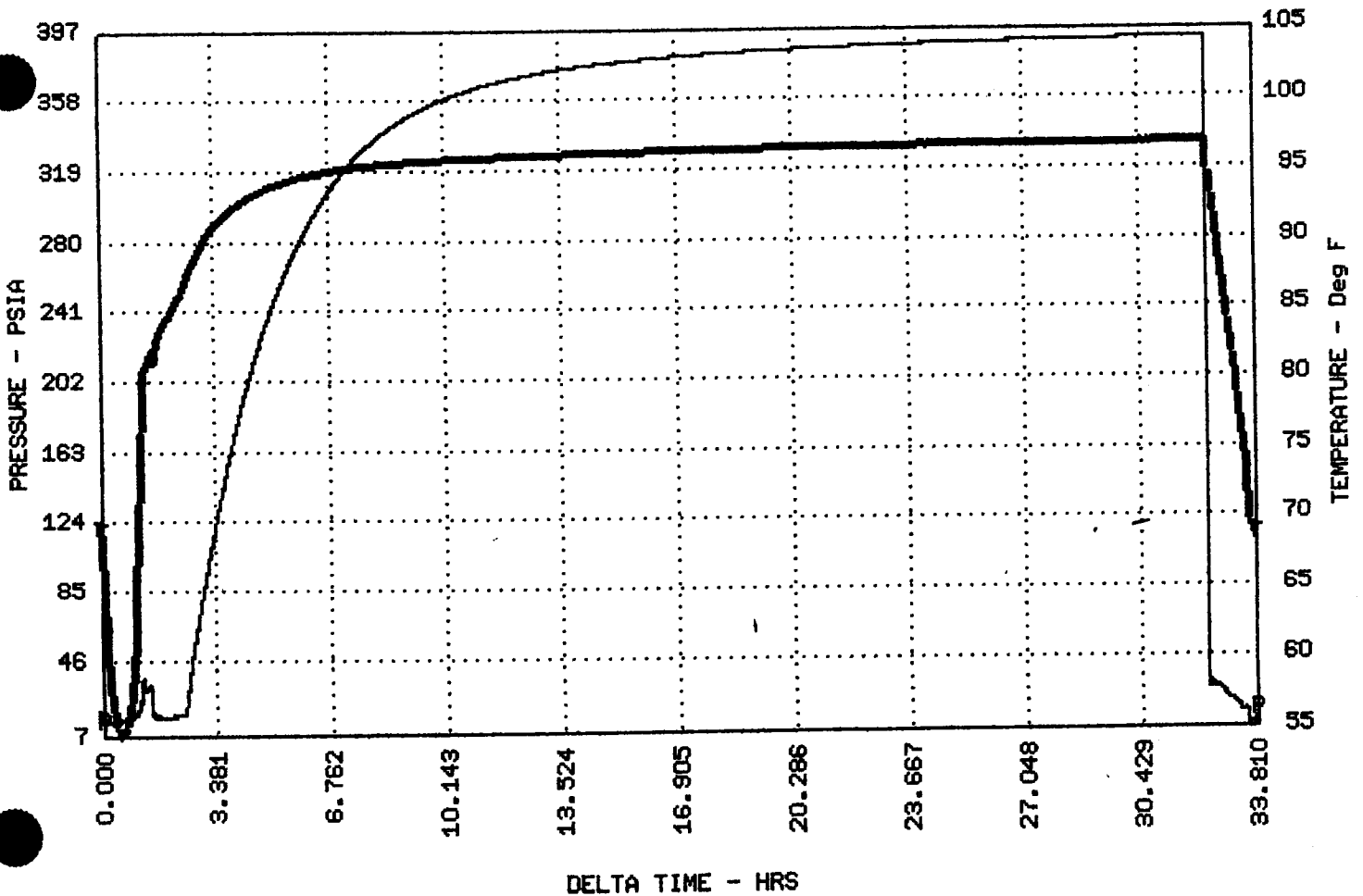
GAS VOLUMES CORRECTED TO A .720 GRAVITY.  
 RUN 1 STAND DRILLPIPE IN WELL.  
 INSTALL 2" VALVE IN DRILLPIPE AT SURFACE (CLOSED).  
 INSTALL 2" O.W.T. WITH 1 1/2" PLATE DIRECTLY OFF CASING.  
 (COMINGLED GAS FROM HERRINGTON (2441-2488), KRIDER (2488-2533), WINFIELD SAND (2533-2550), WINFIELD CARBONATE (2550-2580), GAGE (2580-2611), TOWANDA (2611-2656), UPPER FT. RILEY (2656-2700)).  
 END FLOW. PREPARE TO RUN CORE BARREL.  
 RUN 1 STAND DRILLPIPE IN WELL.  
 INSTALL 2" VALVE IN DRILLPIPE AT SURFACE (CLOSED).  
 INSTALL 2" O.W.T. WITH 1 1/2" PLATE DIRECTLY OFF CASING.  
 (COMINGLED HERRINGTON (2441-2488), KRIDER (2488-2533), WINFIELD SAND (2533-2550), WINFIELD CARBONATE (2550-2580), GAGE (2580-2611), TOWANDA (2611-2656), UPPER FT. RILEY (2656-2700), AND LOWER FT. RILEY (2700-2725)).  
 END COMINGLED FLOW TEST. PREPARE TO RUN IN WELL FOR DST. #8.  
 SET PACKER. INSTALL 2" O.W.T. WITH 1 1/2" PLATE DIRECTLY OFF CASING.  
 (COMINGLED FROM HERRINGTON (2441-2488), KRIDER (2488-2533), WINFIELD SAND (2533-2550), WINFIELD CARBONATE (2550-2580), GAGE (2580-2611), TOWANDA (2611-2656), AND UPPER FT. RILEY (2656-2700)).

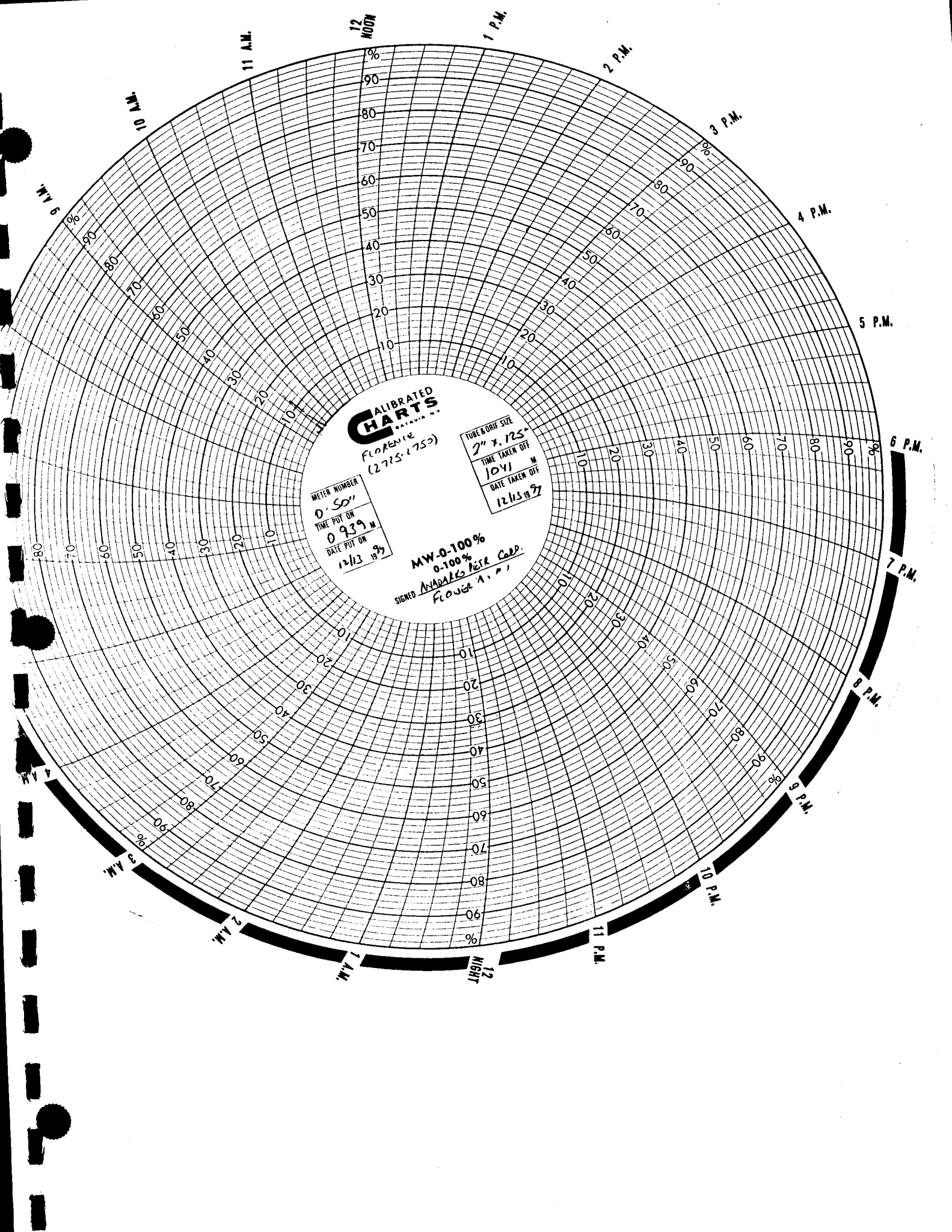


# EMR-710 WELL TEST DATA

COMPANY: PRECISION WELL TESTING  
CLIENT: ANADARKO PETROLEUM CORP.  
GAUGE NUMBER: 87011  
WELL NAME: FLOWER 'A'  
WELL NUMBER: 1  
TEST NUMBER: FLORENCE (2725-2750)  
LOCATION: SW 25-31S-38W STEVENS CO., KS.  
TEST OPERATOR: HELM  
COMMENTS: UPPER GAUGE SET AT 2735'.

Starting date: 12/13/94  
time: 08:14:00





**CALIBRATED CHARTS**  
BALTIMORE, MD.

FLORENCE  
(2725-1750)

METER NUMBER  
0-50"  
TIME PUT ON  
0 939 M  
DATE PUT ON  
12/13 93

TUBE & DRIF. SIZE  
2" x .125"  
TIME TAKEN OFF  
1041 M  
DATE TAKEN OFF  
12/13 93

MW-0-100%  
0-100%  
SIGNED ANADAKS Dist. Corp.  
Florence A. #1

10 A.M.

11 A.M.

12 NOON

1 P.M.

2 P.M.

3 P.M.

4 P.M.

5 P.M.

6 P.M.

7 P.M.

8 P.M.

9 P.M.

10 P.M.

11 P.M.

12 NIGHT

1 A.M.

2 A.M.

3 A.M.

4 A.M.

5 A.M.

6 A.M.

7 A.M.

8 A.M.

9 A.M.

10 A.M.

11 A.M.

12 NOON

1 P.M.

2 P.M.

3 P.M.

4 P.M.

4 P.M.

5 P.M.

5 P.M.

6 P.M.

6 P.M.

7 P.M.

7 P.M.

8 P.M.

8 P.M.

9 P.M.

9 P.M.

10 P.M.

10 P.M.

11 P.M.

11 P.M.

12 NIGHT

12 NIGHT

1 A.M.

1 A.M.

2 A.M.

2 A.M.

3 A.M.

3 A.M.

4 A.M.

4 A.M.

5 A.M.

5 A.M.

6 A.M.

6 A.M.

7 A.M.

7 A.M.

8 A.M.

8 A.M.

9 A.M.

9 A.M.

10 A.M.

10 A.M.

11 A.M.

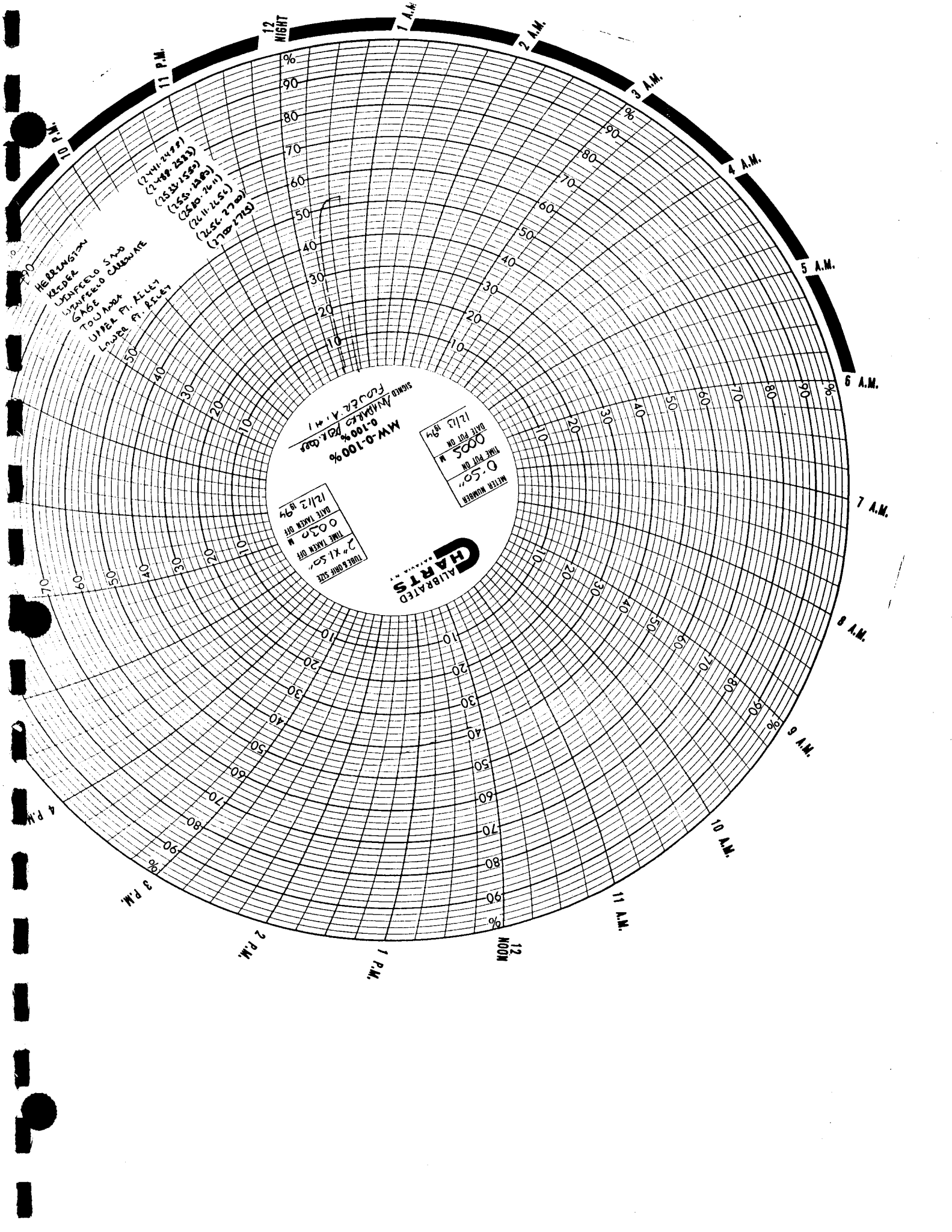
11 A.M.

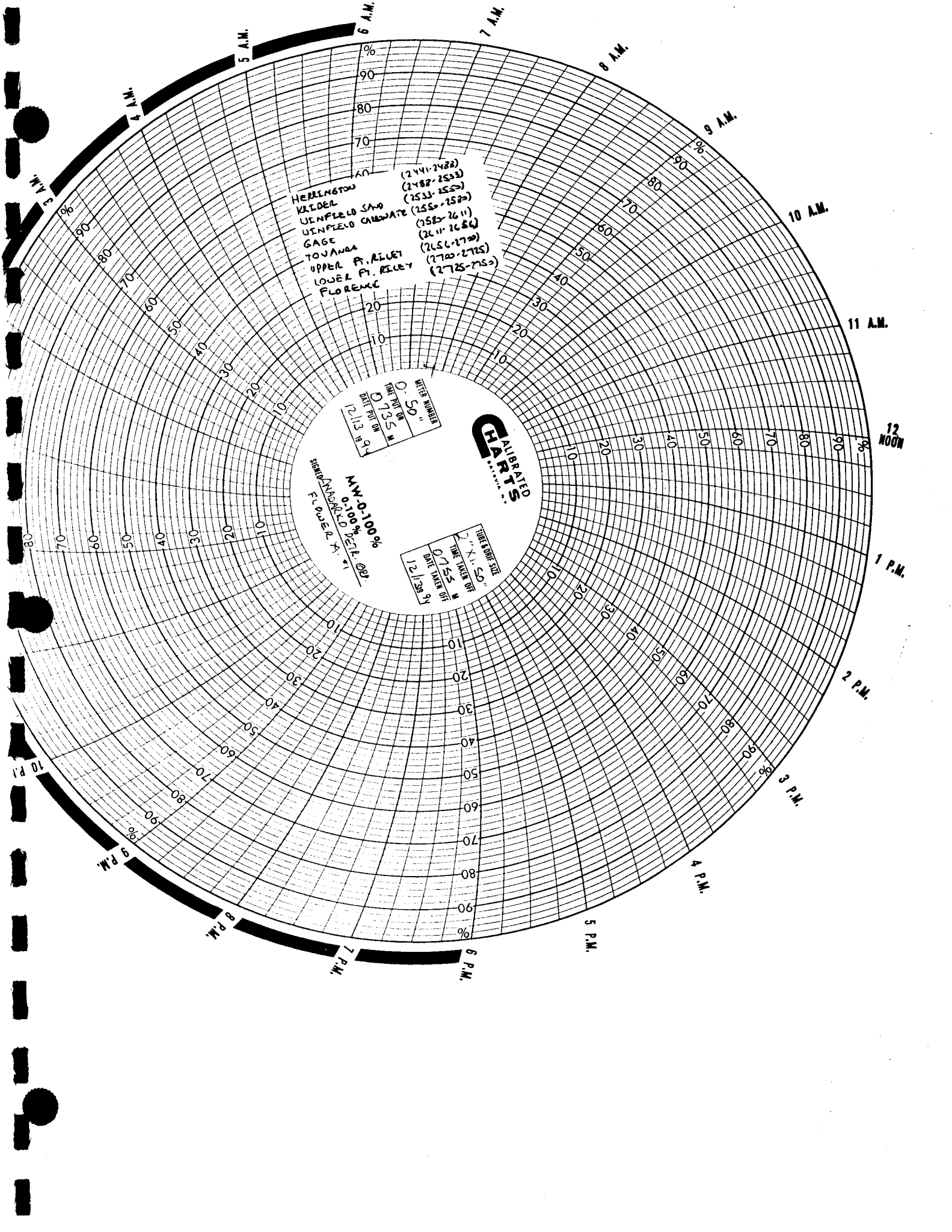
12 NOON

12 NOON









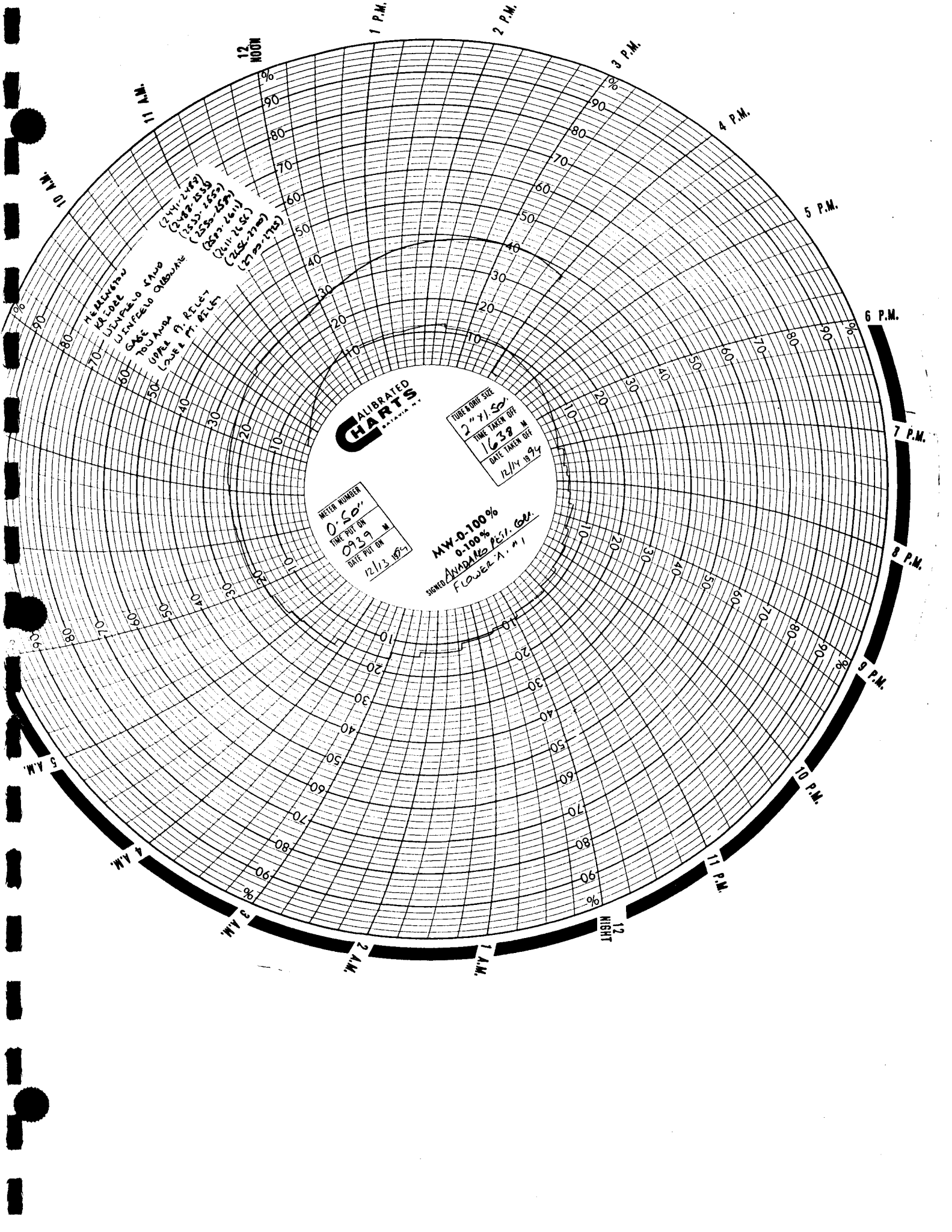
HERRINGTON (2441-2482)  
 KLEIDER (2482-2533)  
 WENFIELD SAND (2533-2584)  
 WENFIELD CANNONATE (2584-2635)  
 GAGE (2635-2686)  
 TOUANDA (2686-2737)  
 UPPER P. RILEY (2737-2788)  
 LOWER P. RILEY (2788-2839)  
 FLORENCE (2839-2890)

DATE	12/13/59
TIME	10:35
UNIT	IN
SCALE	50
WATER NUMBER	0

M.W. 0.100%  
 0.100% DEF. @ 2"  
 SHERMAN, ARK. DEPT.  
 F. QUER. X. 1

DATE	12/13/59
TIME	10:35
UNIT	IN
SCALE	50
WATER NUMBER	0

**CALIBRATED CHARTS**  
 ...



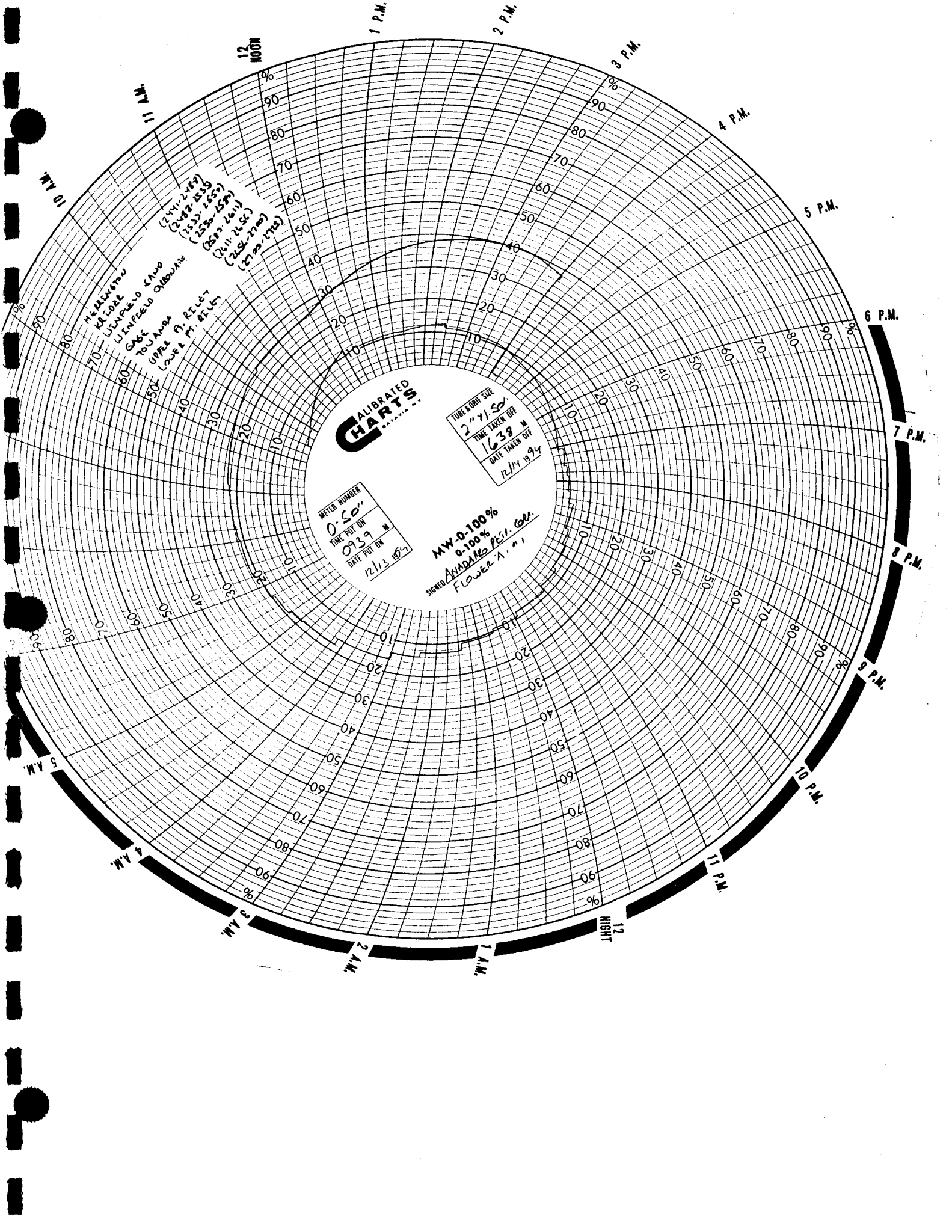
**CALIBRATED  
CHARTS**  
ASTORIA, ORE.

METER NUMBER  
**0-50**  
TIME PUT ON  
**0959**  
DATE PUT ON  
**12/13 1975**

**MW-0-100%**  
**0-100%**  
SIGNED **AWAD/MS**  
**FLOWER A. #1**

TUBE & GUP SIZE  
**2" x 1/2"**  
TIME TAKEN OFF  
**1638**  
DATE TAKEN OFF  
**12/14 1974**

HEZELWOOD  
401 E. 10th  
LINCOLN OREGON  
GAGE  
To J. A. M. P.  
UPPER N. RIVER  
LOWER N. RIVER  
(244-2443)  
(244-2443)  
(255-2553)  
(255-2553)  
(244-2443)  
(244-2443)  
(277-2773)



**Precision Well Testing**  
 P.O. BOX 1843  
 LIBERAL KANSAS 67905 - 1843  
 PHONE: 316-624-4505  
 MOBILE: 316-624-6258 UNIT 9390

PRODUCER ANADARKO PETROLEUM CORP  
 WELL NAME FLOWER 'A' #1  
 LOCATION SW 25-31S-38W  
 COUNTY STEVENS STATE KS

CSG 8 5/8 WT 24.0 SET 6 TD SN PKR GL  
 TBG WT SET 6 TO TO TO KB  
 PERFS TO TAPS ORIFICE PCR TCR  
 PROVER METER GM RESERVOIR  
 GG API

DATE TIME OF READING	ELAP TIME HOURS	WELLHEAD PRESSURE DATA			MEASUREMENT DATA			LIQUIDS		TYPE TEST:	INITIAL ANNUAL	SPECIAL RETEST	ENDING DATE
		CSG PSIG	$\Delta$ P CSG	TBG PSIG	$\Delta$ P TBG	BHP PSIG	$\Delta$ P BHP	PRESS. PSIG	DIFF.				
TUESDAY 12-13-94													12-14-94
0005													
0010							24.0		311				
0015							25.0		318				
0020							26.0		324				
0025							26.0		324				
0030							26.0		324				
0735													
0740							1.0		63				
0745							1.0		63				
0750							1.0		63				
0755							1.0		63				
0939													
0944							1.0		63				
0949							1.0		63				
0954							2.0		90				
0959							2.0		90				
1004							2.0		90				
1009							2.0		90				
1014							2.0		90				

REMARKS PERTINENT TO TEST DATA QUALITY

GAS VOLUMES CORRECTED TO A .720 GRAVITY.

RUN 1 STAND DRILLPIPE IN WELL.

INSTALL 2" VALVE IN DRILLPIPE AT SURFACE (CLOSED)

INSTALL 2" O.W.T. WITH 1 1/2" PLATE DIRECTLY OFF CASING

(COMINGLED GAS FROM HERRINGTON (2441-2488), KRIDER (2488-2533), WINFIELD SAND (2533-2550), WINFIELD CARBONATE (2550-2580), GAGE (2580-2611), TOWANDA (2611-2656) UPPER FT. RILEY (2656-2700), AND LOWER FT. RILEY (2700-2725))

END FLOW. PREPARE TO RUN CORE BARREL.

RUN 1 STAND DRILLPIPE IN WELL.

INSTALL 2" VALVE IN DRILLPIPE AT SURFACE (CLOSED)

INSTALL 2" O.W.T. WITH 1 1/2" PLATE DIRECTLY OFF CASING

(COMINGLED HERRINGTON (2441-2488), KRIDER (2488-2533), WINFIELD SAND (2533-2550), WINFIELD CARBONATE (2550-2580), GAGE (2580-2611), TOWANDA (2611-2656) UPPER FT. RILEY (2656-2700), LOWER FT. RILEY (2700-2725), AND FLORENCE (2725-2750))

END COMINGLED FLOW TEST. PREPARE TO RUN IN WELL FOR DST. #9

SET PACKER. INSTALL 2" O.W.T. WITH 1 1/2" PLATE DIRECTLY OFF CASING.

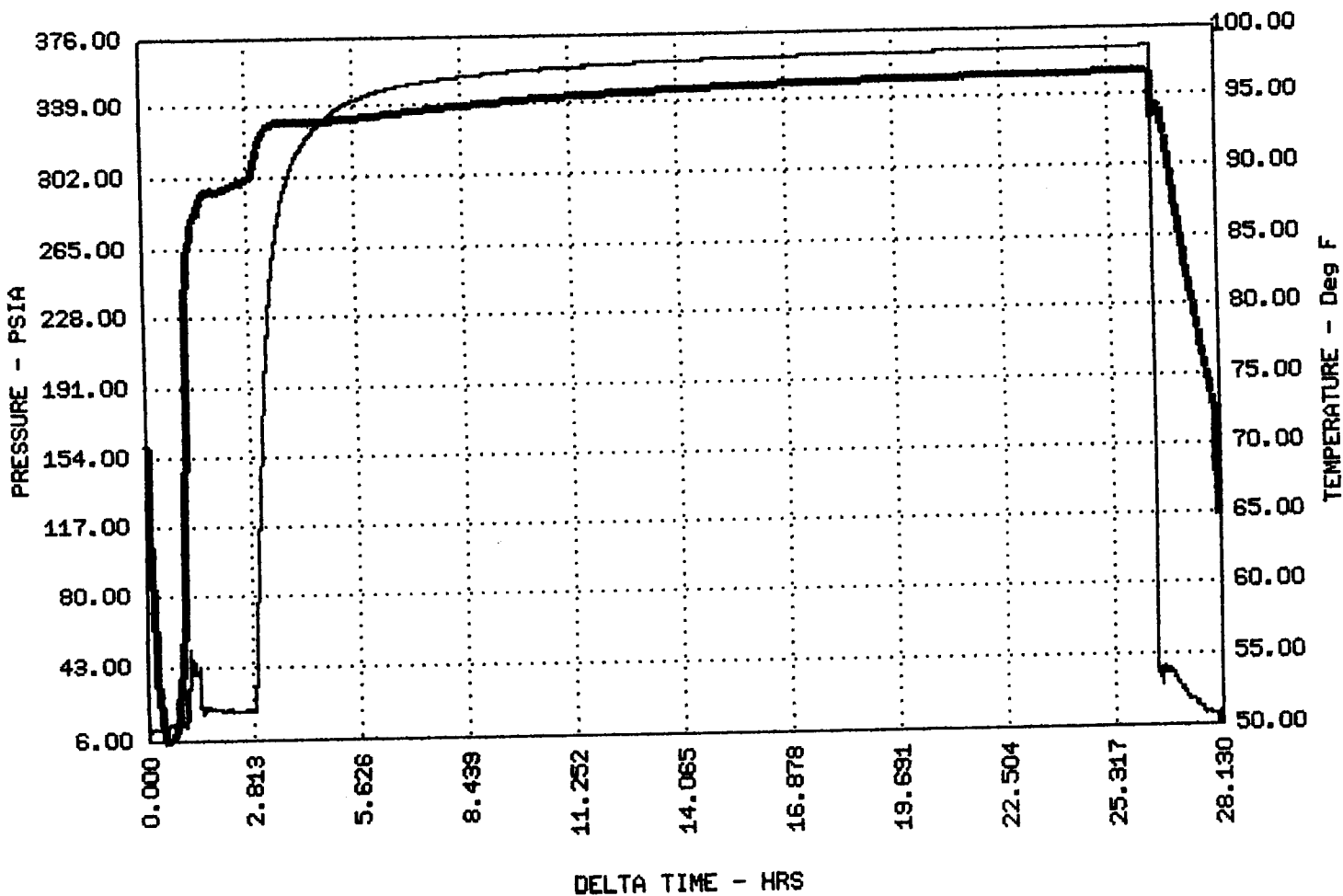
(COMINGLED HERRINGTON (2441-2488), KRIDER (2488-2533), WINFIELD SAND (2533-2550), WINFIELD CARBONATE (2550-2580), GAGE (2580-2611), TOWANDA (2611-2656) UPPER FT. RILEY (2656-2700), AND LOWER FT. RILEY (2700-2725)).



# WELL TEST DATA

COMPANY: PRECISION WELL TESTING  
CLIENT: ANADARKO PETROLEUM CORP.  
GAUGE NUMBER: 86059  
WELL NAME: FLOWER 'A'  
WELL NUMBER: 1  
TEST NUMBER: WREFOED (2750-2790)  
LOCATION: SW 25-31S-38W STEVENS CO., KS.  
TEST OPERATOR: HELM  
COMMENTS: LOWER GAUGE SET AT 2773'.

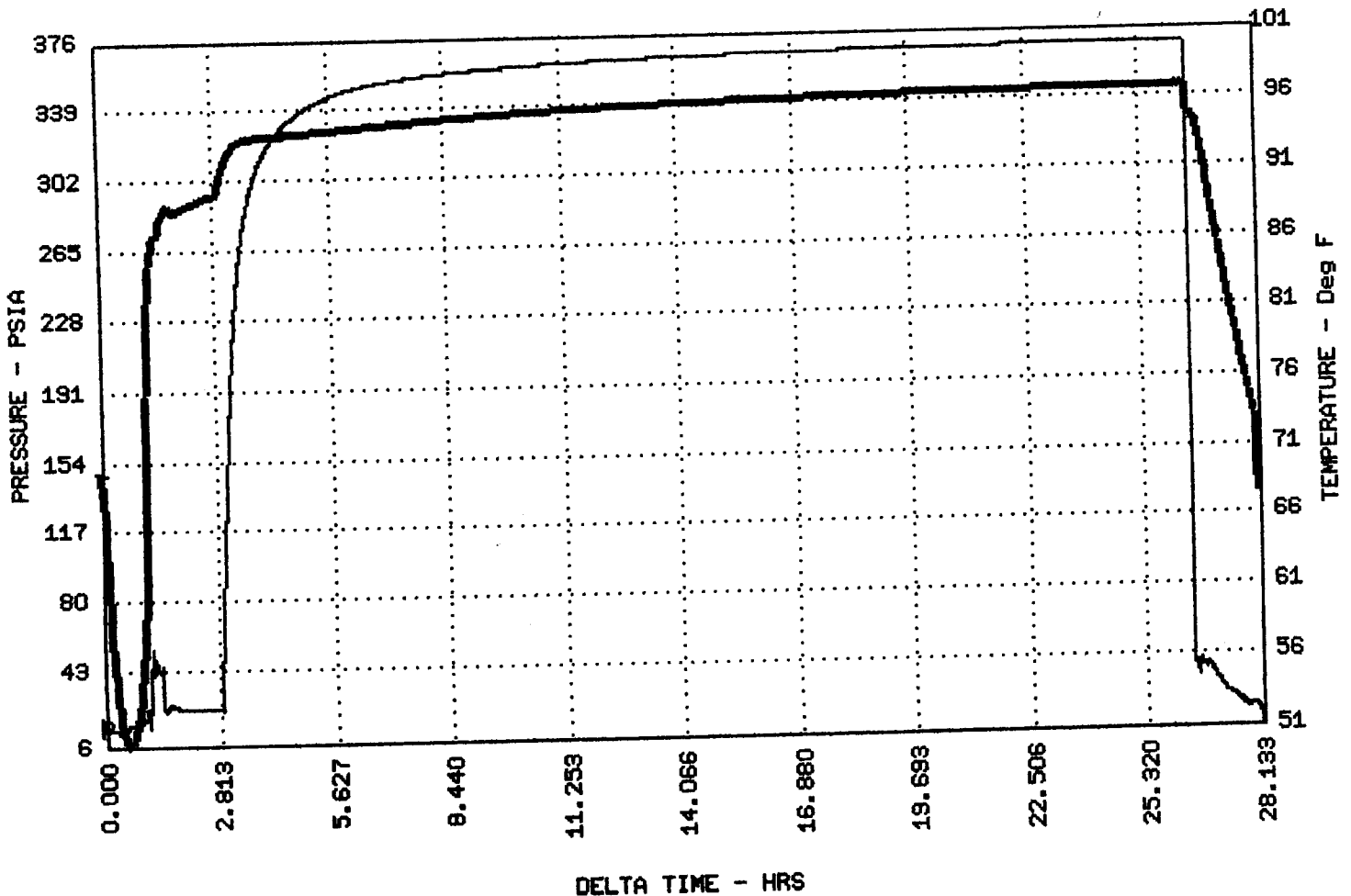
Starting date: 12/15/94  
time: 02:59:03



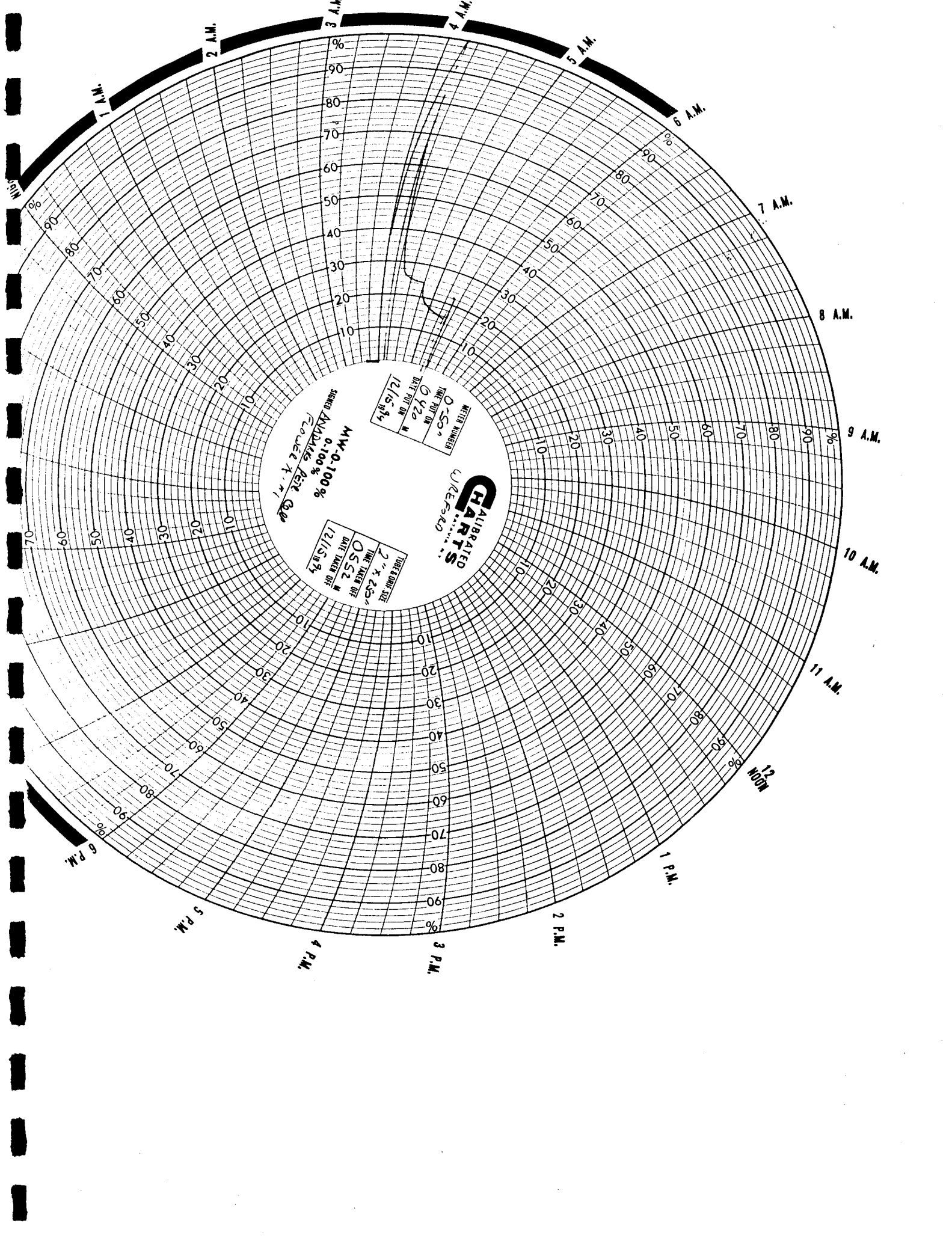
# EMR-710 WELL TEST DATA

COMPANY: PRECISION WELL TESTING  
CLIENT: ANADARKO PETROLEUM CORP.  
GAUGE NUMBER: 87011  
WELL NAME: FLOWER 'A'  
WELL NUMBER: 1  
TEST NUMBER: WREFORD (2750-2790)  
LOCATION: SW 25-31S-38W STEVENS CO., KS.  
TEST OPERATOR: HELM  
COMMENTS: UPPER GAUGE SET AT 2769'.

Starting date: 12/15/94  
time: 02:53:00







**WATER NUMBER**  
 0-50-  
 TIME TAKEN ON  
 0-42-  
 DATE TAKEN OFF  
 12/15/94

**TUBE BUNDLE SIZE**  
 2" x 23-  
 TIME TAKEN ON  
 0-52-  
 DATE TAKEN OFF  
 12/15/94

**WATER NUMBER**  
 0-100-  
 TIME TAKEN ON  
 0-100-  
 DATE TAKEN OFF  
 12/15/94

SENSITIVITY  
 0.100%  
 FLOWED x m



**Precision Well Testing**  
 P.O. BOX 1843  
 LIBERAL, KANSAS 67905-1843  
 PHONE: 316-624-4505  
 MOBILE: 316-624-6258 UNIT 9390

PRODUCER ANADARKO PETROLEUM CORP  
 WELL NAME FLOWER 1A #1  
 LOCATION SW 25-31S-38W  
 COUNTY STEVENS STATE KS

CSG 8 5/8 WT 24.0 SET 2435 TD PB GL  
 TBG WT SET SN PKR KB  
 PERFS. 2750 TO 2790 TO ORIFICE TO TCR  
 PROVER METER TAPS ORIFICE PCR TCR  
 GG .712 API GM RESERVOIR WREFORD

DATE OF TIME READING	ELAP TIME HOURS	WELLHEAD PRESSURE DATA			MEASUREMENT DATA			LIQUIDS COND. WATER BBL.S. BBL.S.	TYPE TEST:	INITIAL ANNUAL	SPECIAL RETEST	ENDING DATE
		CSG PSIG	$\Delta P$ TBG PSIG	$\Delta P$ TBG PSIG	BHP PSIG	$\Delta P$ BHP	PRESS. PSIG					
WEDNESDAY 12-14-94												12-16-94
1900												
2010												
2100												
2215												
2315												
THURSDAY 12-15-94												
0110												
0253												
0258												
0417												
0420												
0420												
0425												
0430												
0435												
0440												
0445												

REMARKS PERTINENT TO TEST DATA QUALITY

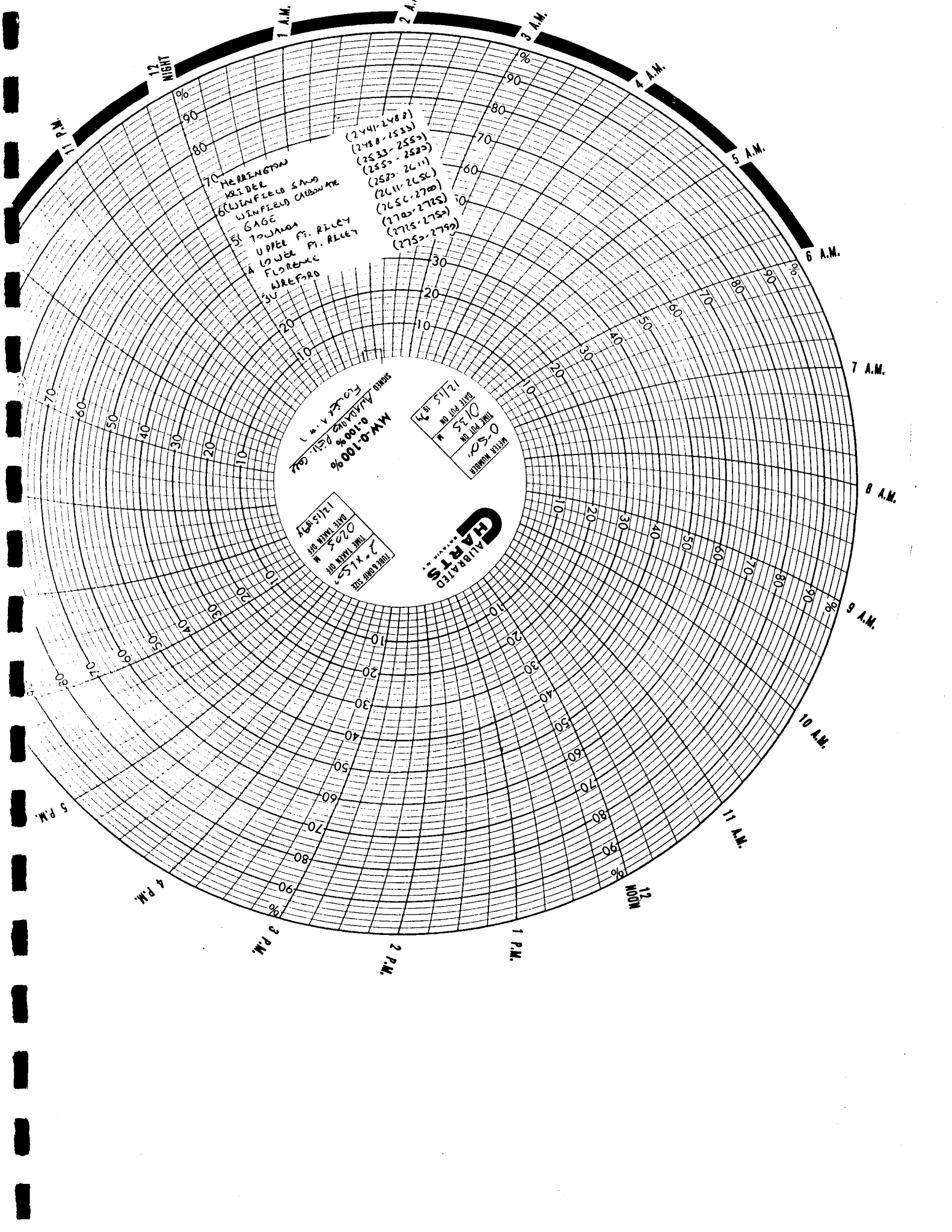
START IN WELL WITH CORE BARREL.  
 CORE BARREL ON BOTTOM.  
 START CORING.  
 FINISH CORING WREFORD (2750-2790).  
 START OUT OF WELL WITH CORE BARREL.  
 CORE BARREL ON SHIRFACE.  
 POWER UP GRC EMS-725 INSTRUMENTS.  
 START IN WELL WITH INSTRUMENTS.  
 INSTRUMENTS ON BOTTOM.  
 BOTTOM OF TOP PACKER - 2754'  
 BOTTOM OF BOTTOM PACKER - 2762'  
 BOTTOM OF TOP GAUGE - 2769'  
 BOTTOM OF LOWER GAUGE - 2773'  
 SET PACKER.  
 GAS VOLUMES CORRECTED TO A .712 GRAVITY.  
 GAS TO SURFACE.

START FLOW PERIOD WITH 2" O.N.T. AND 1/4" PLATE.

36.0  
 8.6  
 6.9  
 6.4  
 6.0







70 MERRINGTON  
 WILDER  
 6 WINDFIELD SAND  
 WINDFIELD CARBONATE  
 SAGE  
 51 TOWNANA  
 UPPER FT. RILEY  
 A LOWELL FT. RILEY  
 FLORENCE  
 WREFOED  
 33

(2441-2482)  
 (2488-1533)  
 (2533-2552)  
 (2552-2611)  
 (2611-2656)  
 (2656-2700)  
 (2700-2725)  
 (2725-2750)  
 (2750-2792)

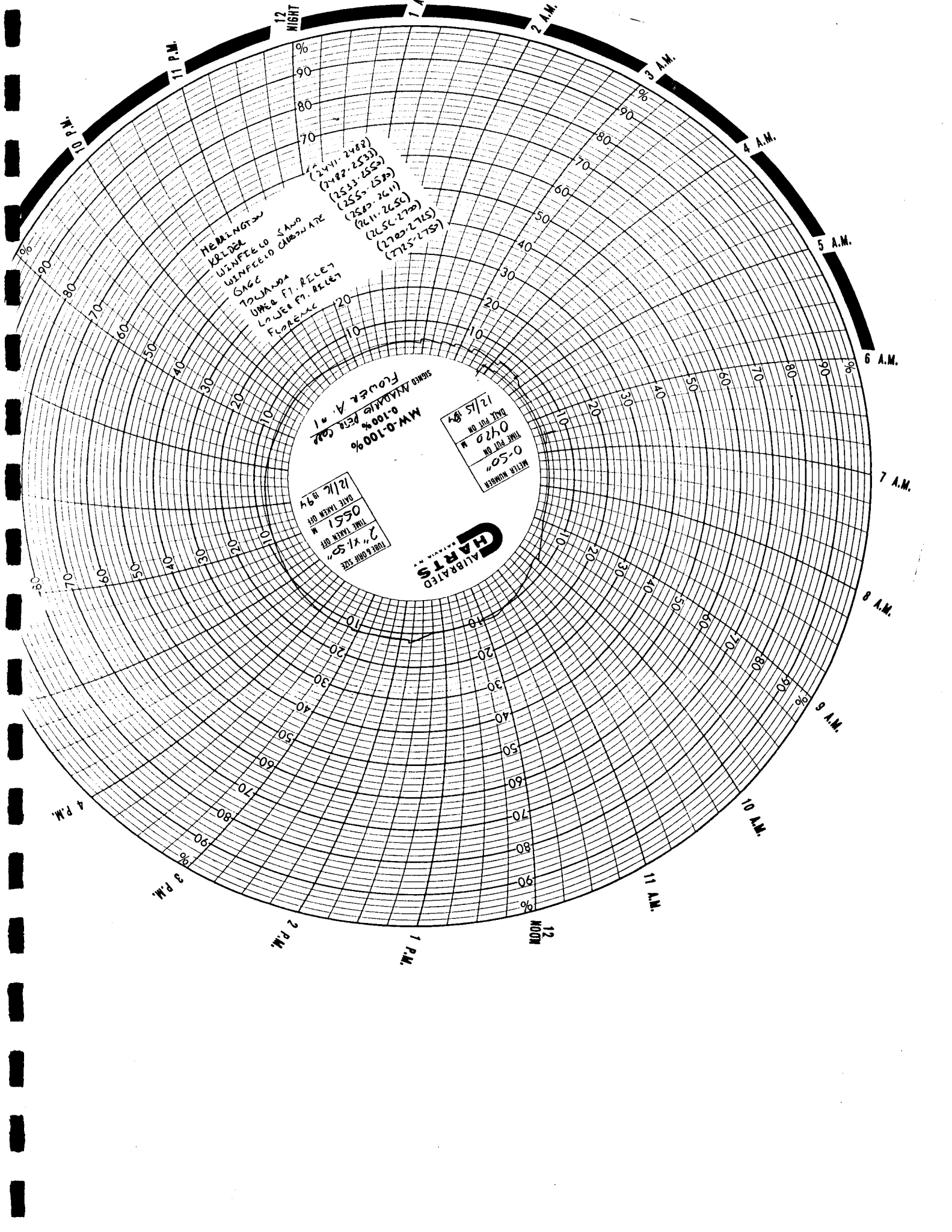
STANDARD  
 ALUMINUM  
 0.100%  
 0.100%  
 0.100%  
 0.100%

DATE PAID BY  
 12/15/57  
 0.50  
 0.50  
 0.50  
 0.50

DATE PAID BY  
 12/15/57  
 0.25  
 0.25  
 0.25  
 0.25

DATE PAID BY  
 12/15/57  
 0.25  
 0.25  
 0.25  
 0.25





SIGNED MIDDLE PERCENT  
 MW-0-100%  
 0-100% PERCENT  
 FLOWERS #1

METAL NUMBER  
 "0-50"  
 TANK FOR TON  
 0420 M  
 DATE FOR TON  
 12/15/82

LOG BOOK SIZE  
 7" x 5"  
 TANK FOR TON  
 0551 M  
 DATE FOR TON  
 12/16/82

**GAUBRATED**  
 CHARTS  
 MADE IN U.S.A.

MEMINGTON  
 KRIDER  
 WINFIELD SAUNDERS  
 WINFIELD CHASSAITE  
 SAGE  
 TOLWANDA  
 UMBE F. RELET  
 LAJEE F. RELET  
 FLORENCE

(2411-2487)  
 (2482-2533)  
 (2533-2555)  
 (2555-2577)  
 (2577-2611)  
 (2611-2655)  
 (2655-2700)  
 (2700-2755)  
 (2755-2800)

CSG 8 5/8 WT 24.0 SET 2435 TD PB GL  
 TBG WT SET SN PKR KB  
 PERFS. TO TO TO TO  
 PROVER METER TAPS ORIFICE PCR TCR  
 GG .720EST API GM RESERVOIR

PRODUCER ANADARKO PETROLEUM CORP  
 WELL NAME FLOWER 'A' #1  
 LOCATION SW 25-31S-38W  
 COUNTY STEVENS STATE KS

**Precision Well Testing**  
 P.O. BOX 1843  
 LIBERAL, KANSAS 67905 - 1843  
 PHONE: 316-624-4505  
 MOBILE: 316-624-6258 UNIT 9390

DATE TIME OF READING	ELAP TIME HOURS	WELLHEAD PRESSURE DATA			MEASUREMENT DATA			LIQUIDS		TYPE TEST:	INITIAL ANNUAL	SPECIAL RETEST:	ENDING DATE
		CSG PSIG	$\Delta$ P CSG	TBG PSIG	$\Delta$ P TBG	BHP PSIG	$\Delta$ P BHP	PRESS. PSIG	DIFF.				
WEDNESDAY 12-14-94													
1810													
1815							27		330				
1820							28		336				
1825							28		336				
1830							28		336				
1835							28		336				
THURSDAY 12-15-94													
0135													
0140							1.5		77				
0145							1.5		77				
0150							1.5		77				
0155							1.5		77				
0200							1.5		77				
0205							1.5		77				
0420													
0425							1.5		77				
0430							1.5		77				
0435							1.5		77				

GAS VOLUMES CORRECTED TO A .720 GRAVITY.  
 RUN 1 STAND DRILLPIPE IN WELL.  
 INSTALL 2" VALVE IN DRILLPIPE AT SURFACE (CLOSED).  
 INSTALL 2" O.W.T. WITH 1 1/2" PLATE DIRECTLY OFF CASING.  
 (COMINGLED GAS FROM HERRINGTON (2441-2488), KRIDER (2488-2533), WINFIELD SAND (2533-2550), WINFIELD CARBONATE (2550-2580), GAGE (2580-2611), TOWANDA (2611-2656), UPPER FT. RILEY (2656-2700), LOWER FT. RILEY (2700-2725), AND FLORENCE (2725-2750)).

END FLOW. PREPARE TO RUN CORE BARREL.

RUN 1 STAND DRILLPIPE IN WELL.  
 INSTALL 2" VALVE IN DRILLPIPE AT SURFACE (CLOSED).  
 INSTALL 2" O.W.T. WITH 1 1/2" PLATE DIRECTLY OFF CASING.  
 (COMINGLED HERRINGTON (2441-2488), KRIDER (2488-2533), WINFIELD SAND (2533-2550), WINFIELD CARBONATE (2550-2580), GAGE (2580-2611), TOWANDA (2611-2656), UPPER FT. RILEY (2656-2700), LOWER FT. RILEY (2700-2725), AND FLORENCE (2725-2750), AND WRETFORD (2750-2790)).

END COMINGLED FLOW TEST. PREPARE TO RUN IN WELL FOR

DST. #10.

SET PACKER. INSTALL 2" O.W.T. WITH 1 1/2" PLATE DIRECTLY

OFF CASING.

(COMINGLED HERRINGTON (2441-2488), KRIDER (2488-2533), WINFIELD SAND (2533-2550), WINFIELD CARBONATE (2550-2580), GAGE (2580-2611), TOWANDA (2611-2656), UPPER FT. RILEY (2656-2700), LOWER FT. RILEY (2700-2725), AND FLORENCE (2725-2750)).

**Precision Well Testing**

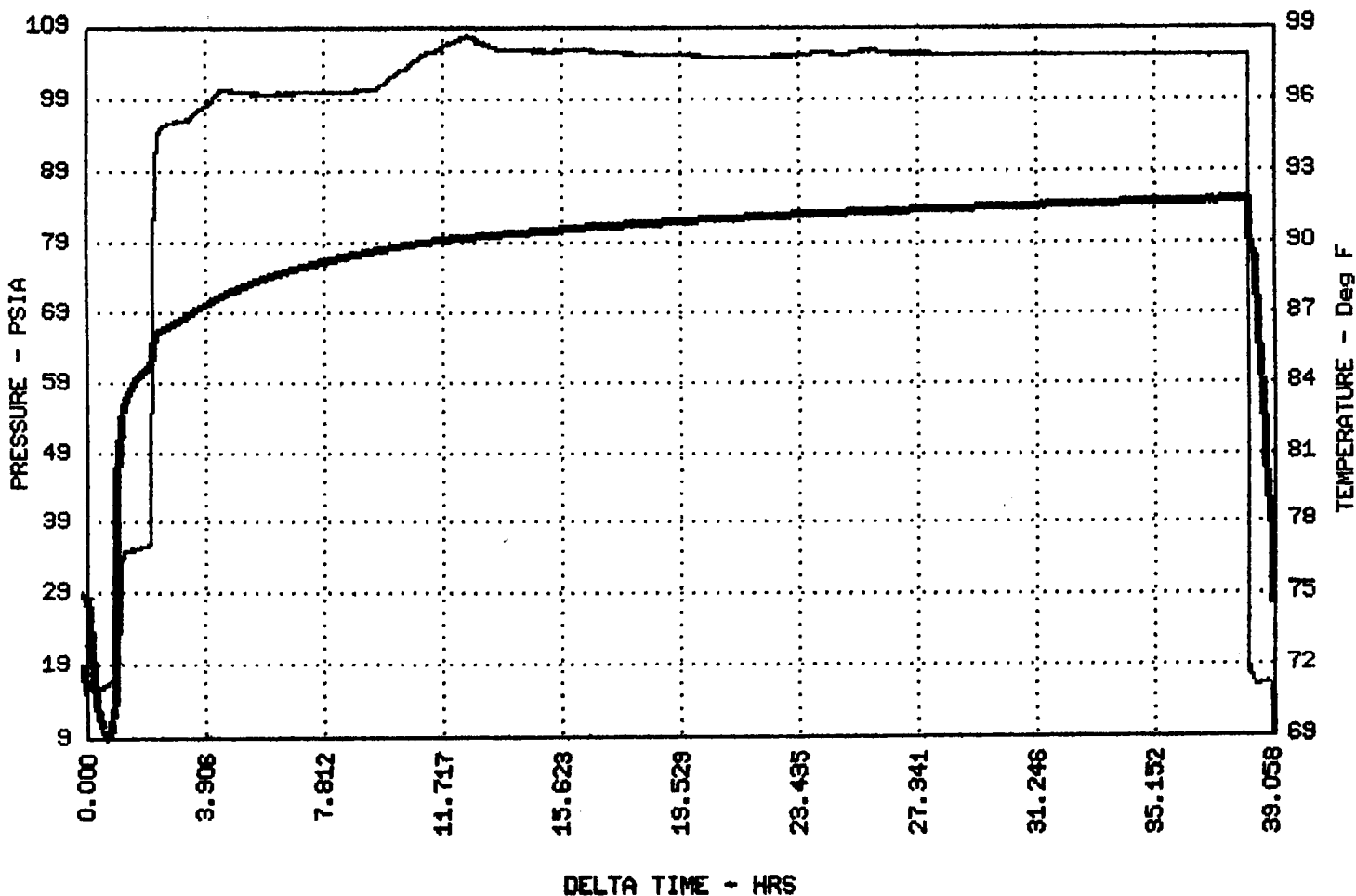
ANADARKO PETROLEUM CORP - FLOWER 'A' #1

DATE OF READING	ELAP TIME HOURS	WELLHEAD PRESSURE DATA				MEASUREMENT DATA				LIQUIDS	TYPE TEST:	INITIAL ANNUAL	SPECIAL RETEST	ENDING DATE	
		CSG PSIG	$\Delta P$ CSG	TBG PSIG	$\Delta P$ TBG	BHP PSIG	$\Delta P$ BHP	PRESS. PSIG	DIFF.						TEMP
THURSDAY 12-15-94															
0440									1.5		77				
0445									1.5		77				
0450									1.5		77				
0455									1.5		77				
0500									1.5		77				
0505									1.5		77				
0510									1.5		77				
0515									1.5		77				
0520									1.5		77				
0525									1.5		77				
0530									1.5		77				
0535									1.5		77				
0540									1.5		77				
0545									1.5		77				
0552									1.5		77				
FRIDAY 12-15-94															
0521									2.5		100				RELEASE PACKER. START OUT OF WELL WITH INSTRUMENTS.

# EMR-710 WELL TEST DATA

COMPANY: PRECISION WELL TESTING  
CLIENT: ANADARKO PETROLEUM CORP.  
GAUGE NUMBER: 87011  
WELL NAME: FLOWER 'A'  
WELL NUMBER: 1  
TEST NUMBER: COMINGLED CHASE (2441-2790)  
LOCATION: SW 25-31S-38W STEVENS CO., KS.  
TEST OPERATOR: HELM  
COMMENTS: UPPER GAUGE SET AT 2437'.

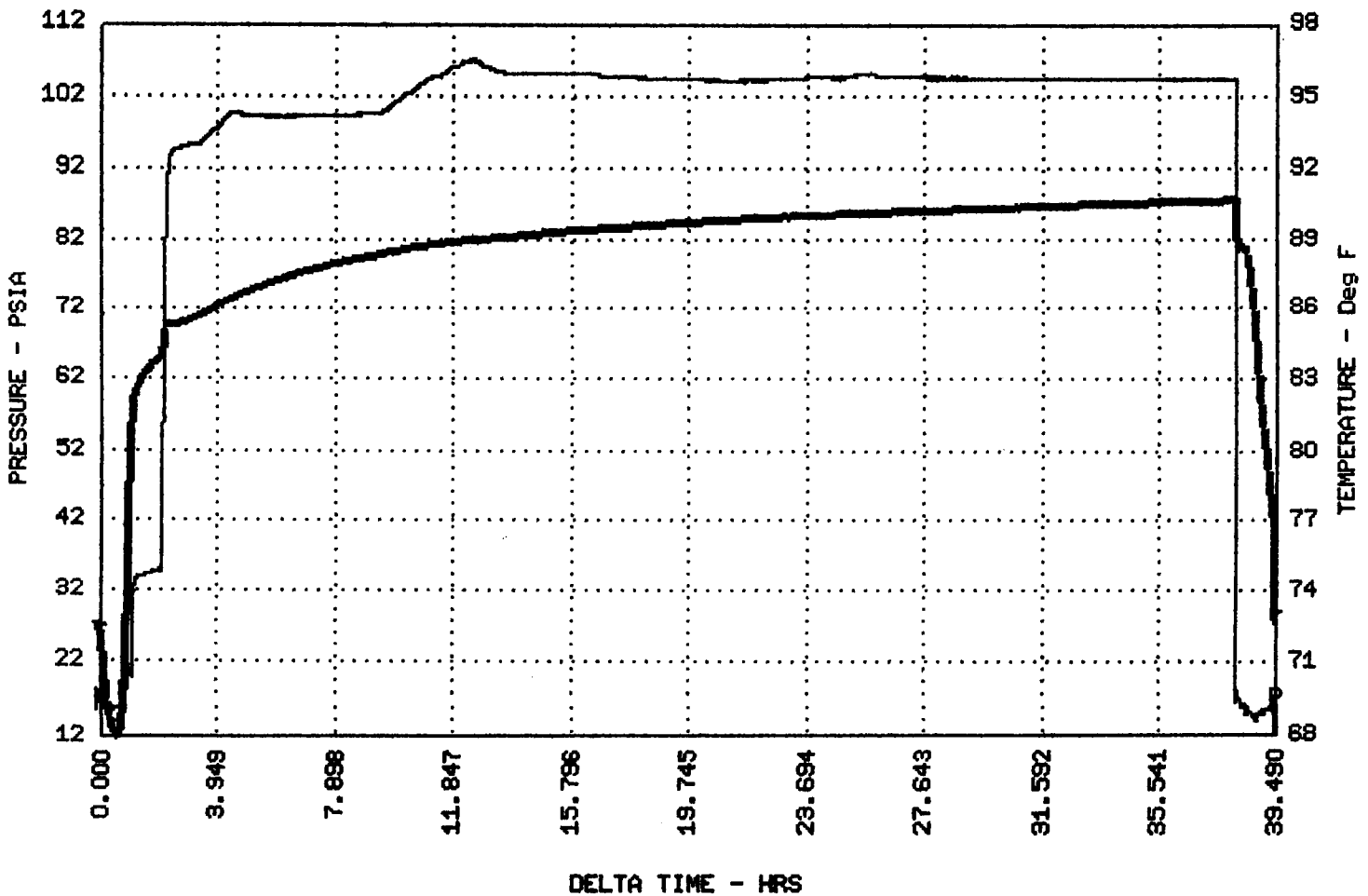
Starting date: 12/16/84  
time: 13:17:00



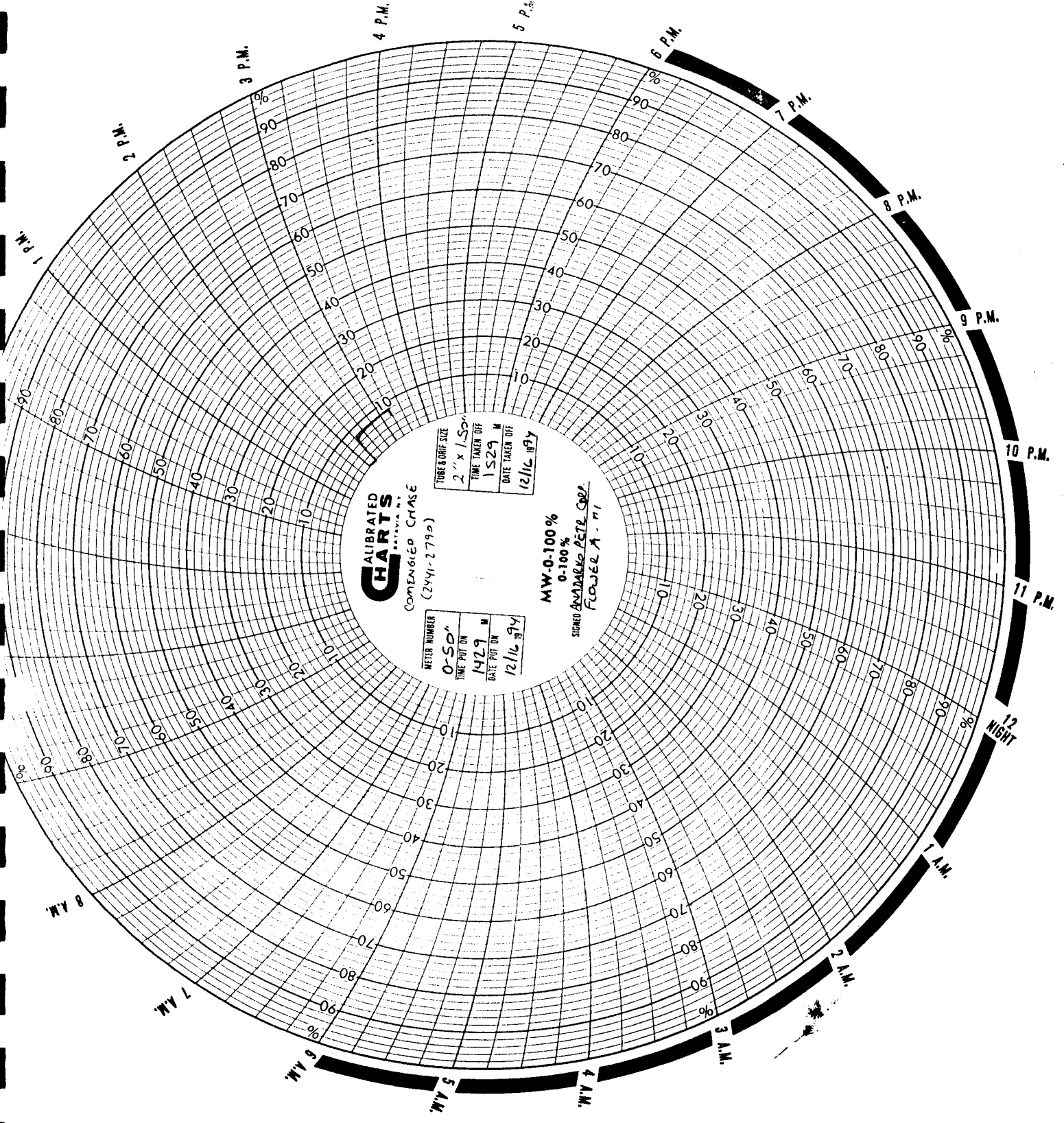
# EMR-710 WELL TEST DATA

COMPANY: PRECISION WELL TESTING  
CLIENT: ANADARKO PETROLEUM CORP.  
GAUGE NUMBER: 86059  
WELL NAME: FLOWER 'A'  
WELL NUMBER: 1  
TEST NUMBER: COMINGLED CHASE (2441-2790)  
LOCATION: SW 25-31S-38W STEVENS CO., KS.  
TEST OPERATOR: HELM  
COMMENTS: LOWER GAUGE SET AT 2444'.

Starting date: 12/16/94  
time: 18:17:00







**CALIBRATED CHARTS**  
BATAVIA, N.Y.  
COMMERCIAL CHARTS  
(244-2790)

TUBE & BORE SIZE	2" x 1.50"
TIME TAKEN OFF	1229 M
DATE TAKEN OFF	12/16/87

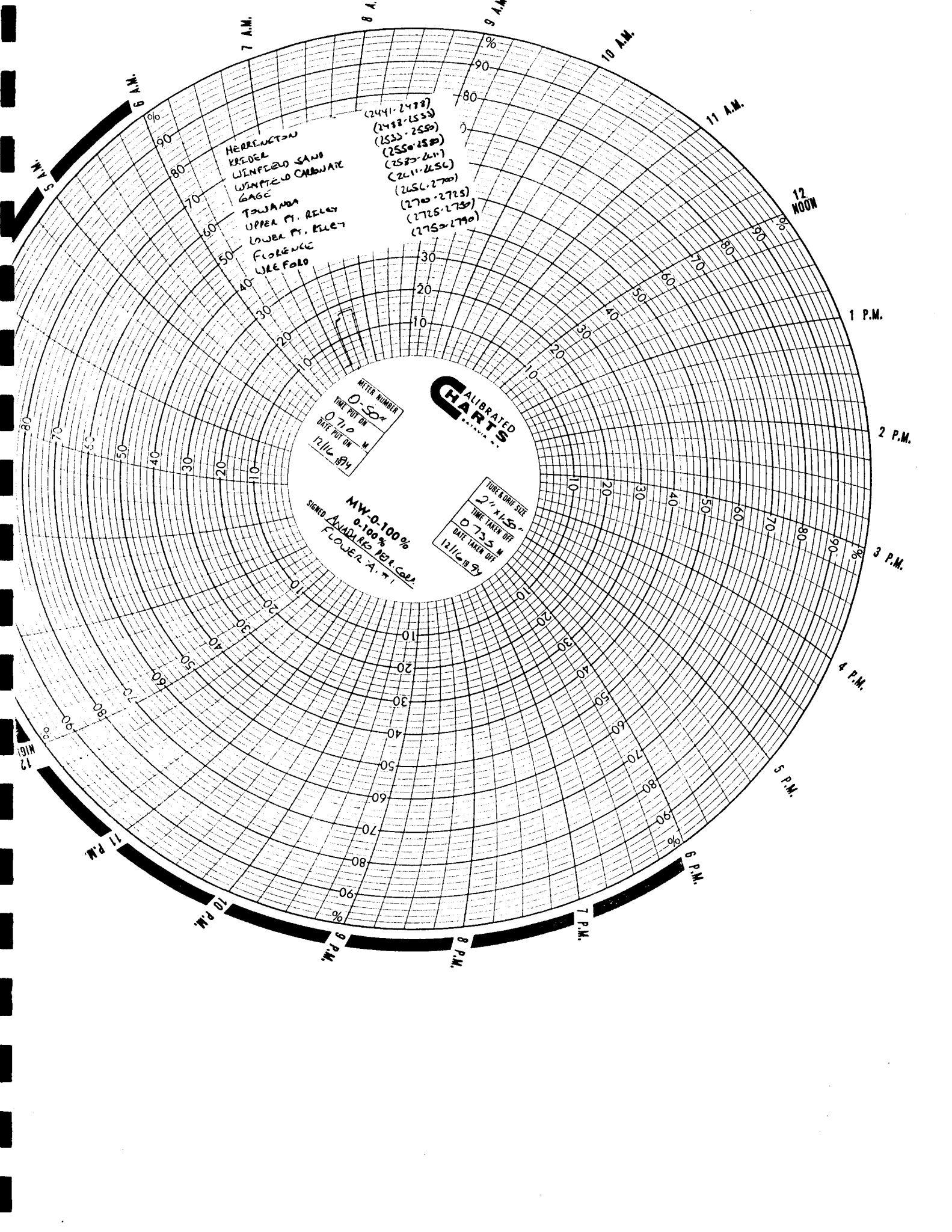
METER NUMBER	0-50'
TIME PUT ON	1429 M
DATE PUT ON	12/16/87

MW-0.100%  
0-100%

SIGNED ANDRZEJ PETR. GOR  
FLOWER A. ni







HERRINGTON  
KREDEL  
WINFIELD SAND  
WINFIELD CARBONATE  
GAGE  
TOWANDA  
UPPER PT. RELEY  
LOWER PT. RELEY  
FLORENCE  
WRE FORD

(2441-2477)  
(2478-2525)  
(2525-2550)  
(2550-2580)  
(2580-2611)  
(2611-2656)  
(2656-2700)  
(2700-2725)  
(2725-2750)  
(2750-2790)

METER NUMBER  
0-50%  
TIME TAKEN OFF  
0 7 10  
DATE TAKEN OFF  
12/16/89

**CALIBRATED  
CHARTS**

MW-0-100%  
0-100%  
SIGNED ASADARIE JET CO.  
FLORENCE A. T.

TUBE & DRIP SIZE  
2" x 1/2"  
TIME TAKEN OFF  
0 7 35 M  
DATE TAKEN OFF  
12/16/89

