

ANADARKO PETROLEUM CORP

FLOWER 'A' #1

SW 25-31S-38W STEVENS CO., KS

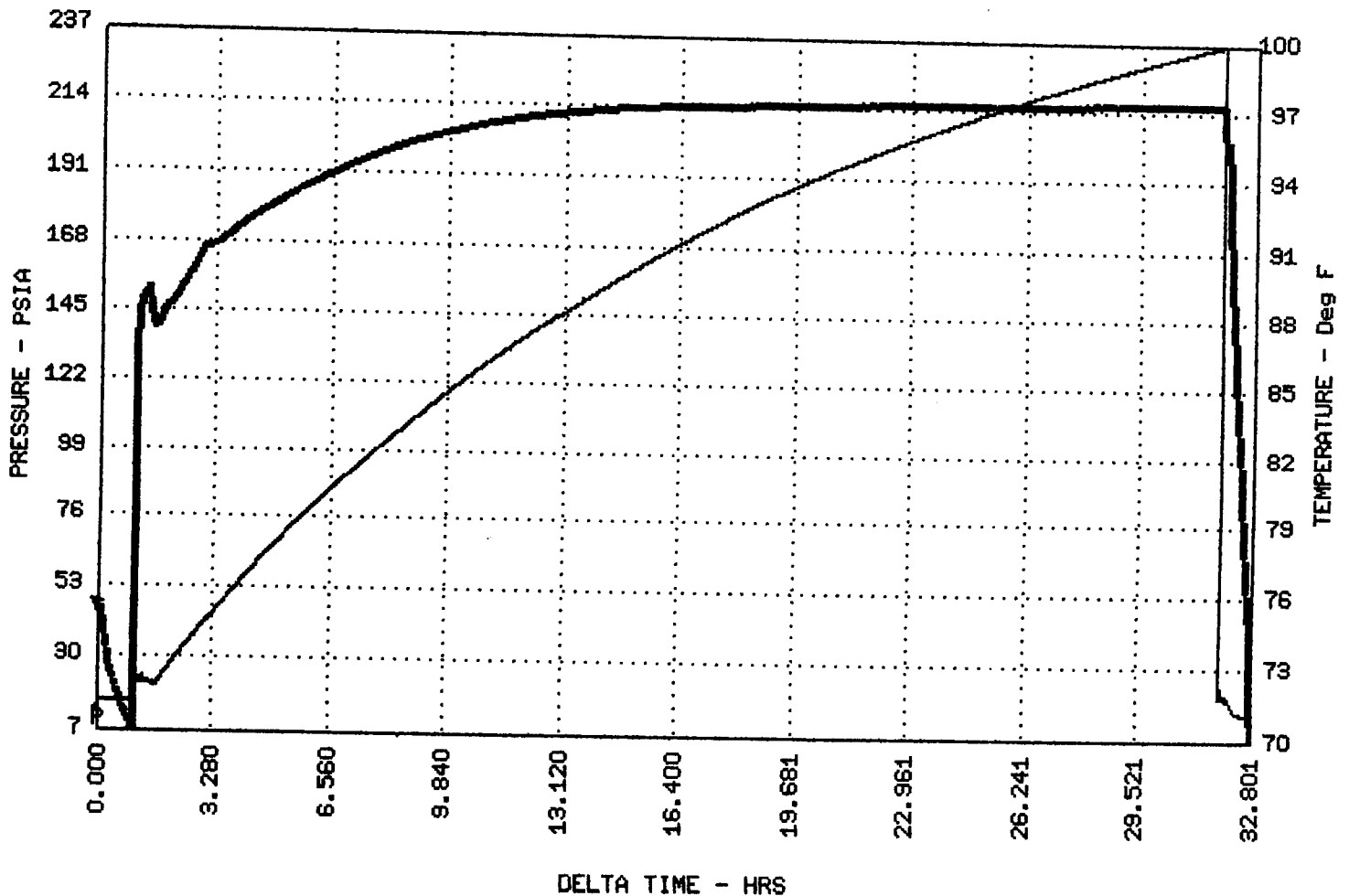
DRILLSTEM TESTS

COUNCIL GROVE SERIES

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: COUNCIL GROVE 'A' (2790-2850)
LOCATION: SW 25-31S-38W STEVENS CO., KS.
TEST OPERATOR: HELM
COMMENTS: UPPER GAUGE SET AT 2807'.

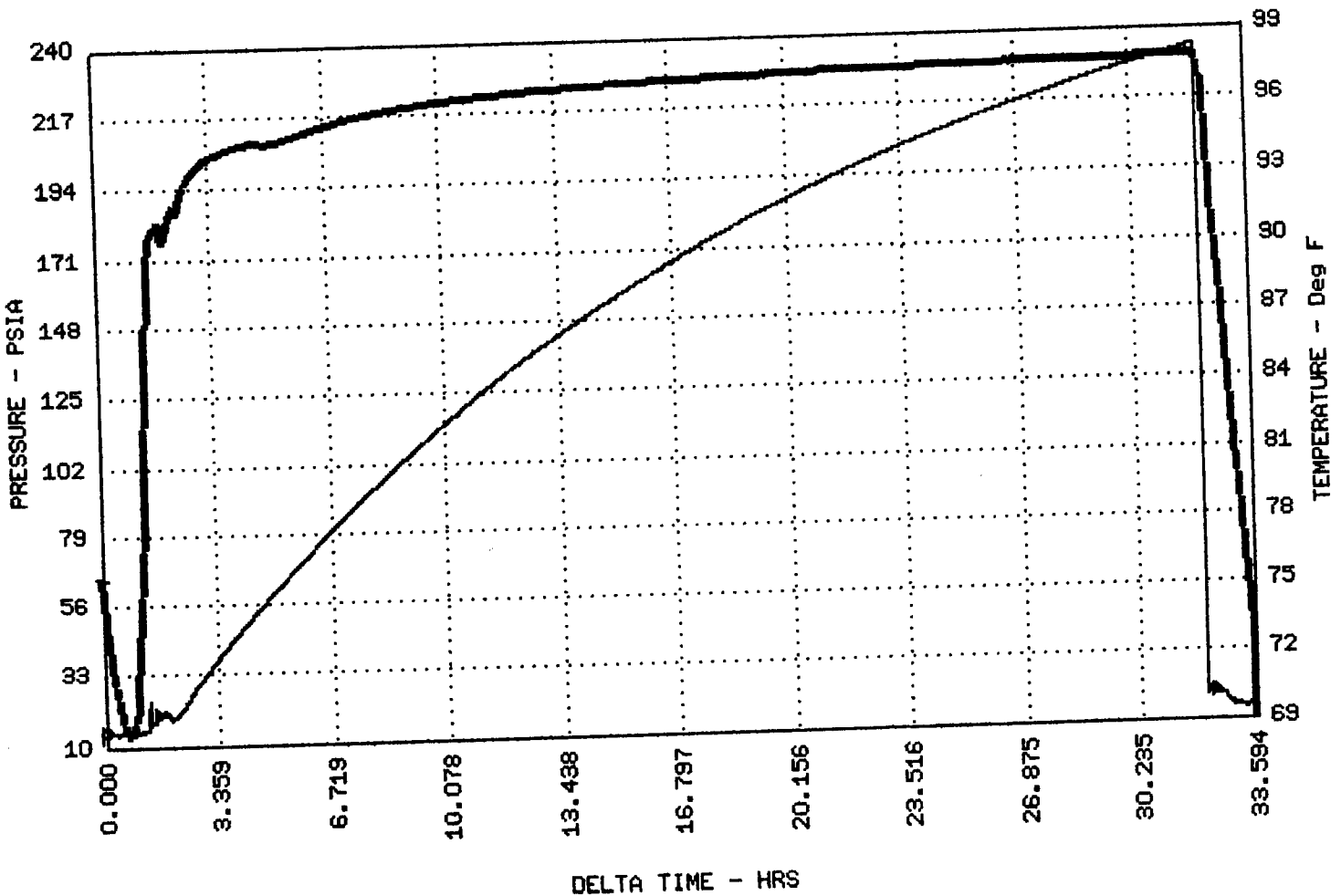
Starting date: 12/18/94
time: 15:16:00



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: COUNCIL GROVE 'A' (2790-2850)
LOCATION: SW 25-31S-38W STEVENS CO., KS.
TEST OPERATOR: HELM
COMMENTS: LOWER GAUGE SET AT 2811'.

Starting date: 12/18/94
time: 15:16:00



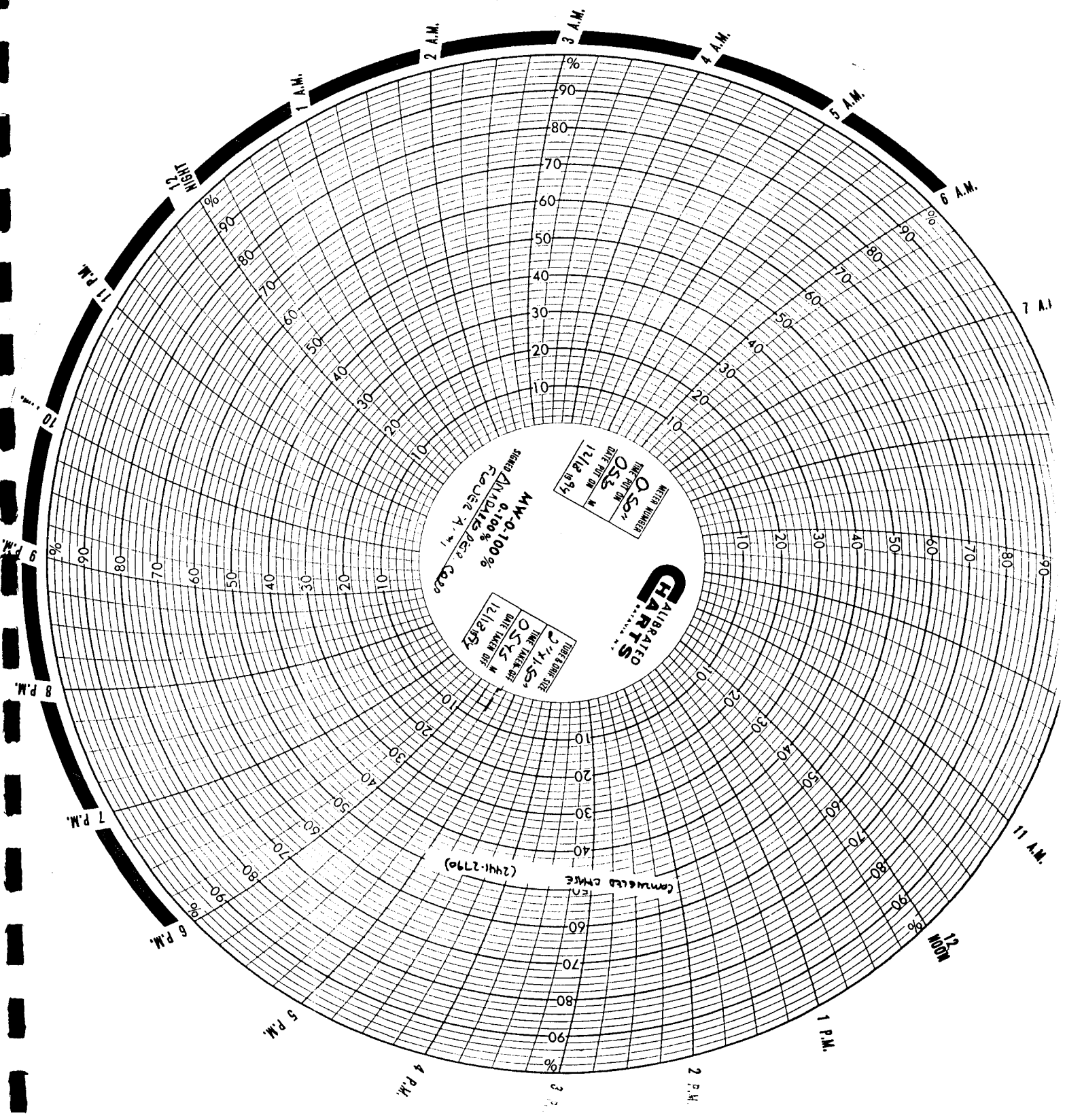
PRODUCER ANADARKO PETROLEUM CORP
 WELL NAME FLOWER 'A' #1
 LOCATION SW 25-31S-38W
 COUNTY STEVENS STATE KS
 CSG 8 5/8 WT 24.0 SET 2435 TD PB GL
 TBG WT SET SN PKR KB
 PERFS. 2790 TO 2850 TO TO
 PROVER METER TAPS ORIFICE PCR TCR
 GG .716 API GM RESERVOIR COUNCIL GROVE 'A'

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 OF READING	ELAP TIME HOURS	WELLHEAD PRESSURE DATA			MEASUREMENT DATA			LIQUIDS		TYPE TEST	INITIAL ANNUAL	SPECIAL RETEST	ENDING DATE
		CSG PSIG	ΔP TBG PSIG	ΔP TBG PSIG	BHP PSIG	ΔP BHP	PRESS. PSIG	DIFF.	TEMP				
SUNDAY 12-18-94													2-20-94
0600													START IN WELL WITH CORE BARREL.
0740													CORE BARREL ON BOTTOM.
0845													START CORING.
1045													FINISH CORING COUNCIL GROVE 'A' (2790-2850).
1230													START OUT OF WELL WITH CORE BARREL.
1345													CORE BARREL ON SURFACE.
1516													POWER UP GRC EMS-725 INSTRUMENTS.
1521													START IN WELL WITH INSTRUMENTS.
1643													INSTRUMENTS ON BOTTOM.
													BOTTOM OF TOP PACKER - 2792'
													BOTTOM OF BOTTOM PACKER - 2800'
													BOTTOM OF TOP GAUGE - 2807'
													BOTTOM OF LOWER GAUGE - 2811'
1645													SET PACKER.
1645													START FLOW PERIOD WITH 2" O.W.T. AND 1/8" PLATE.
1650									0				0
1655									0				0
1700									0				0
1705									0				0
1710									0				0
1715									0				0
1723									0				0

CLOSE DOWNHOLE SHUT-OFF.



CALIBRATED
CHARTS
...
...
...

INSTRUMENT NUMBER
053
DATE TAKEN OFF
12/12/87

STANDARD AIR MILES
0.100%
CORRECT FOR
0.000%

TIME TAKEN FOR
2:11.5
DATE TAKEN OFF
12/18/87

CONTACTED CHANGE
(2441-2790)

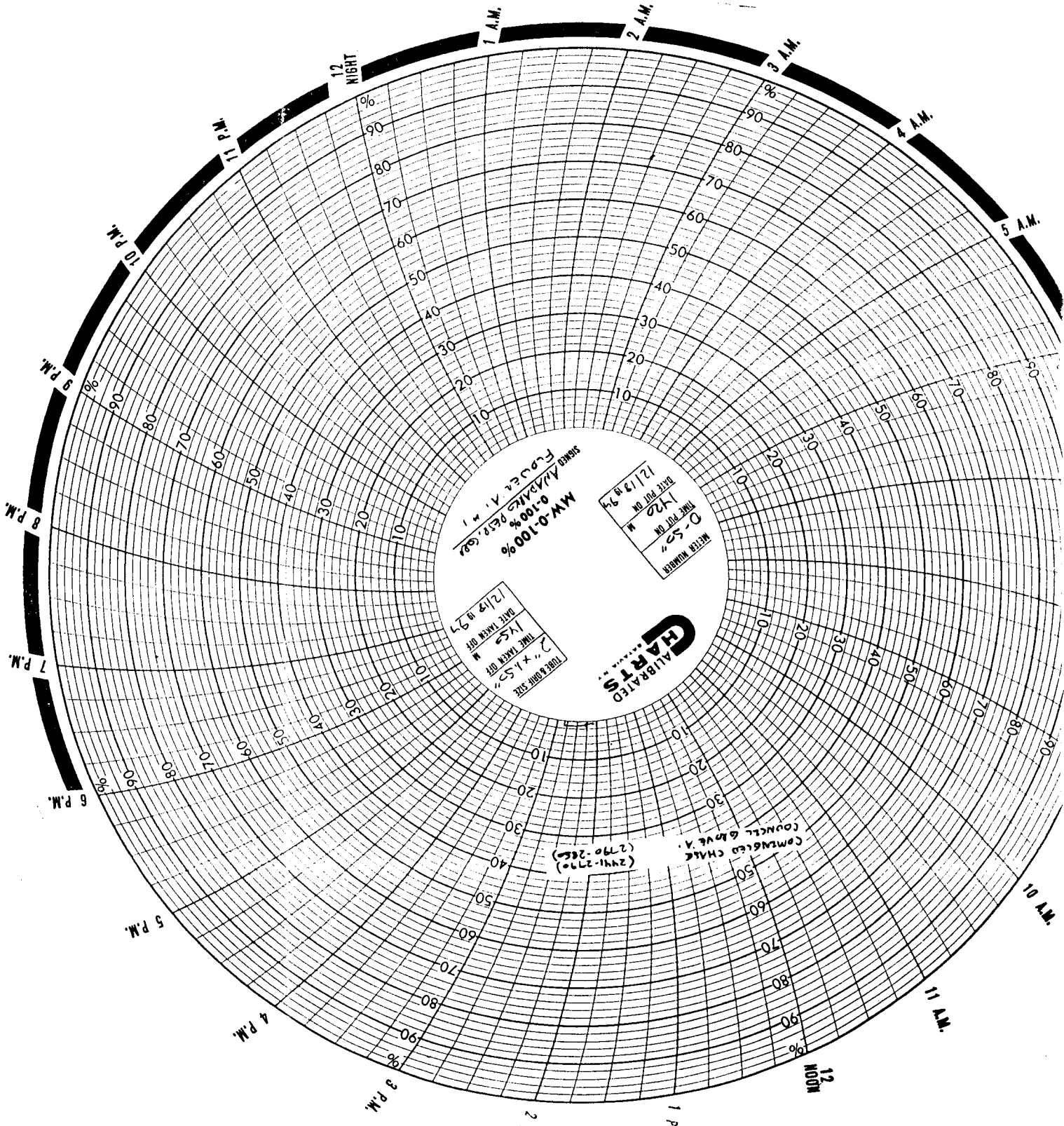
PRODUCER ANADARKO PETROLEUM CORP
 WELL NAME FLOWER VAY #1
 LOCATION SW 25-31S-38W
 COUNTY STEVENS STATE KS
 CSG 8 5/8 WT 24.0 SET 2435 TD PB GL
 TBG WT SET SN PKR KB
 PERFS TO TO TO TO
 PROVER METER TAPS ORIFICE PCR TCR
 GG .720EST API GM RESERVOIR

PRODUCTION DATA
 FLOWER VAY #1
 SW 25-31S-38W
 STEVENS STATE KS

Precision Well Testing
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 PHONE: 316-624-4505
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DATE OF READING	ELAP TIME HOURS	WELLHEAD PRESSURE DATA				MEASUREMENT DATA				LIQUIDS		TYPE TEST	INITIAL ANNUAL	SPECIAL RETEST	ENDING DATE	
		CSG PSIG	ΔP CSG	TBG PSIG	ΔP TBG	BHP PSIG	ΔP BHP	PRESS. PSIG	DIFF.	TEMP	Q MCF/D					COND. BBL/S
SUNDAY 12-18-94																
0530																
0535									3.0		110					
0540									3.0		110					
0545									3.0		110					
1420																
1425									1.0		63.5					
1430									1.0		63.5					
1435									1.0		63.5					
1440									1.0		63.5					
1445									1.0		63.5					
1450									1.0		63.5					
1645																
1650									1.0		63.5					
1655									1.0		63.5					
1700									1.0		63.5					
1705									1.0		63.5					
1710									1.0		63.5					
1715									1.0		63.5					
1723									1.0		63.5					

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 CHASE (2441-2790).
 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 CHASE (2441-2790) AND COUNCIL GROVE "A" (2790-2850)).
 END COMINGLED FLOW TEST. PREPARE TO RUN IN WELL FOR DST. #12.
 SET PACKER. INSTALL 2" O.W.T. WITH 1 1/2" PLATE DIRECTLY OFF CASING
 (COMINGLED CHASE (2441-2790)).



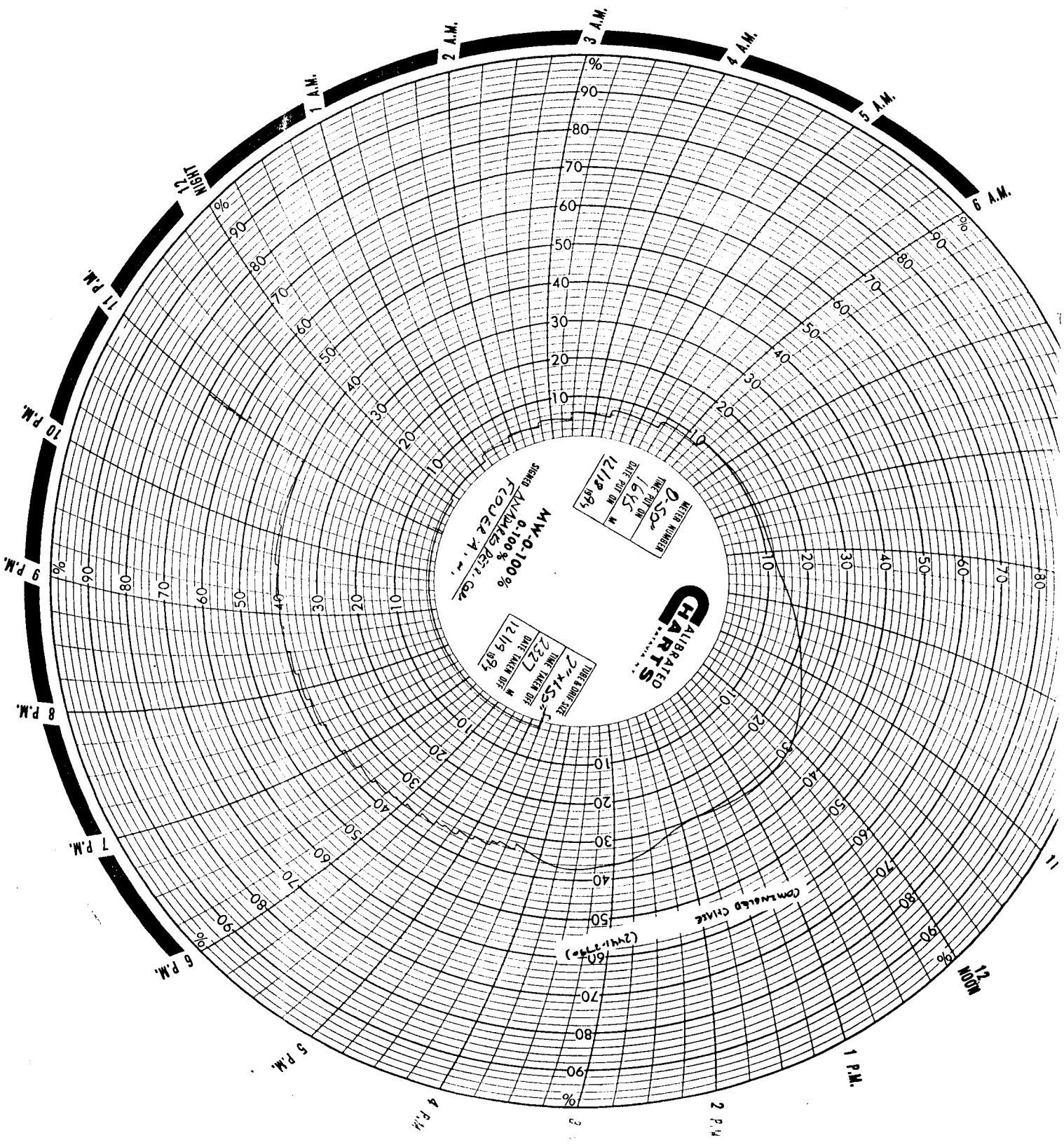
MODEL NUMBER
 D-55
 DATE PUR. 12/18/94
 TIME PUR. 11:52 A.M.

MODEL NUMBER
 D-55
 DATE PUR. 12/18/94
 TIME PUR. 11:52 A.M.

MODEL NUMBER
 D-55
 DATE PUR. 12/18/94
 TIME PUR. 11:52 A.M.

MODEL NUMBER
 D-55
 DATE PUR. 12/18/94
 TIME PUR. 11:52 A.M.

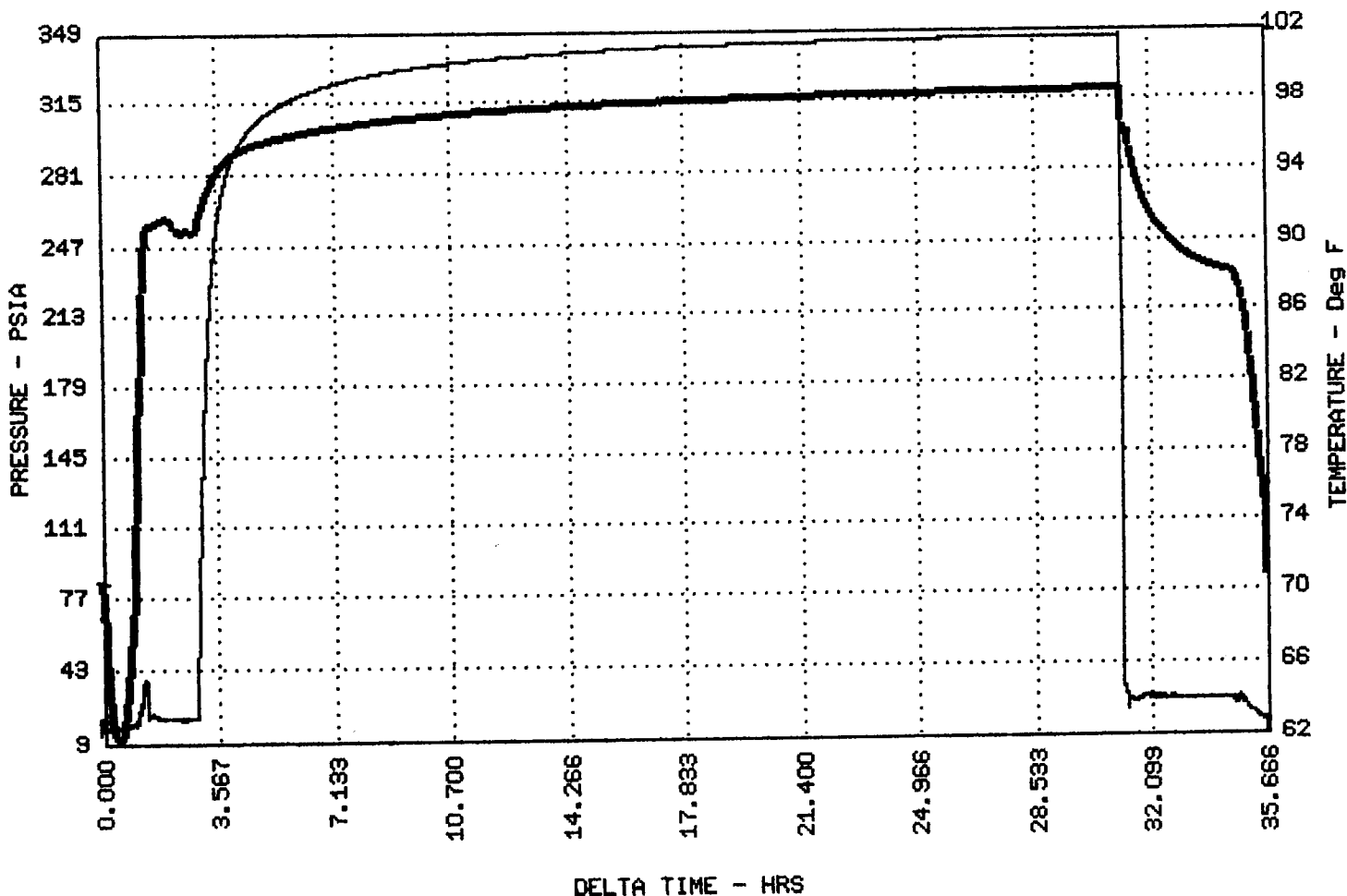
MODEL NUMBER
 D-55
 DATE PUR. 12/18/94
 TIME PUR. 11:52 A.M.



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: COUNCIL GROVE B-1 (2850-2882)
LOCATION: SW 25-31S-38W STEVENS CO., KS.
TEST OPERATOR: HELM
COMMENTS: UPPER GAUGE SET AT 2867'.

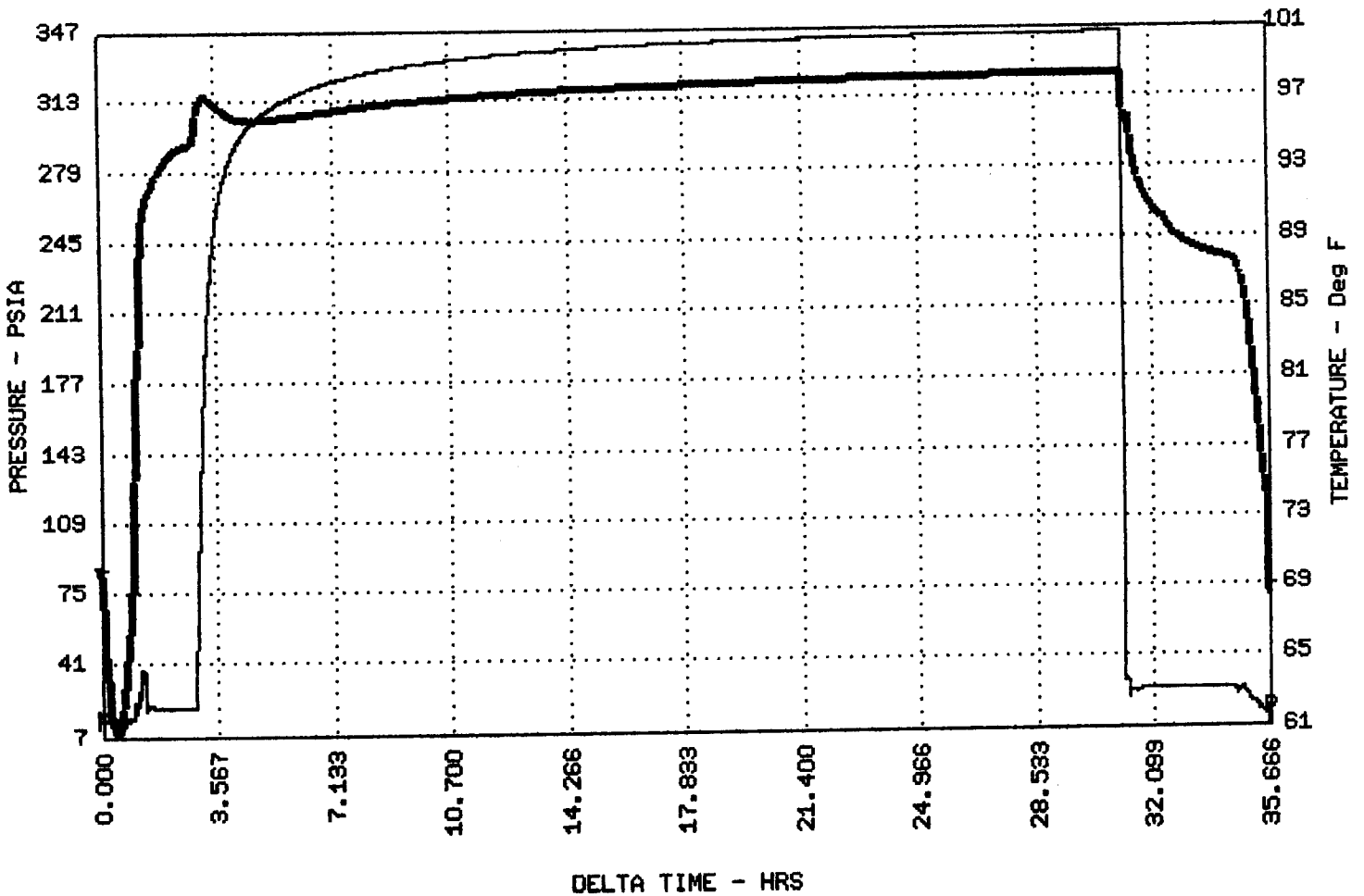
Starting date: 12/20/94
time: 09:53:00

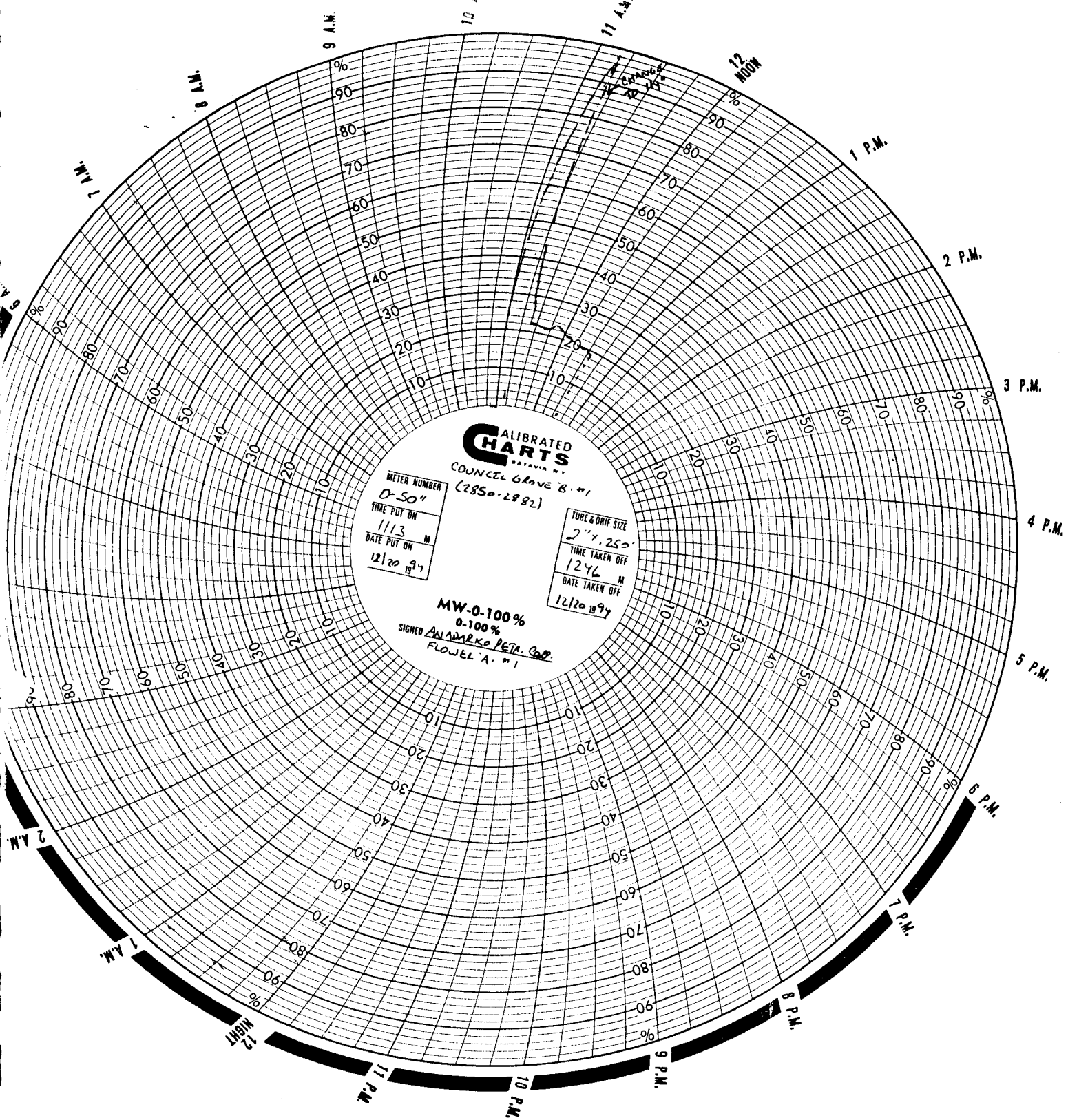


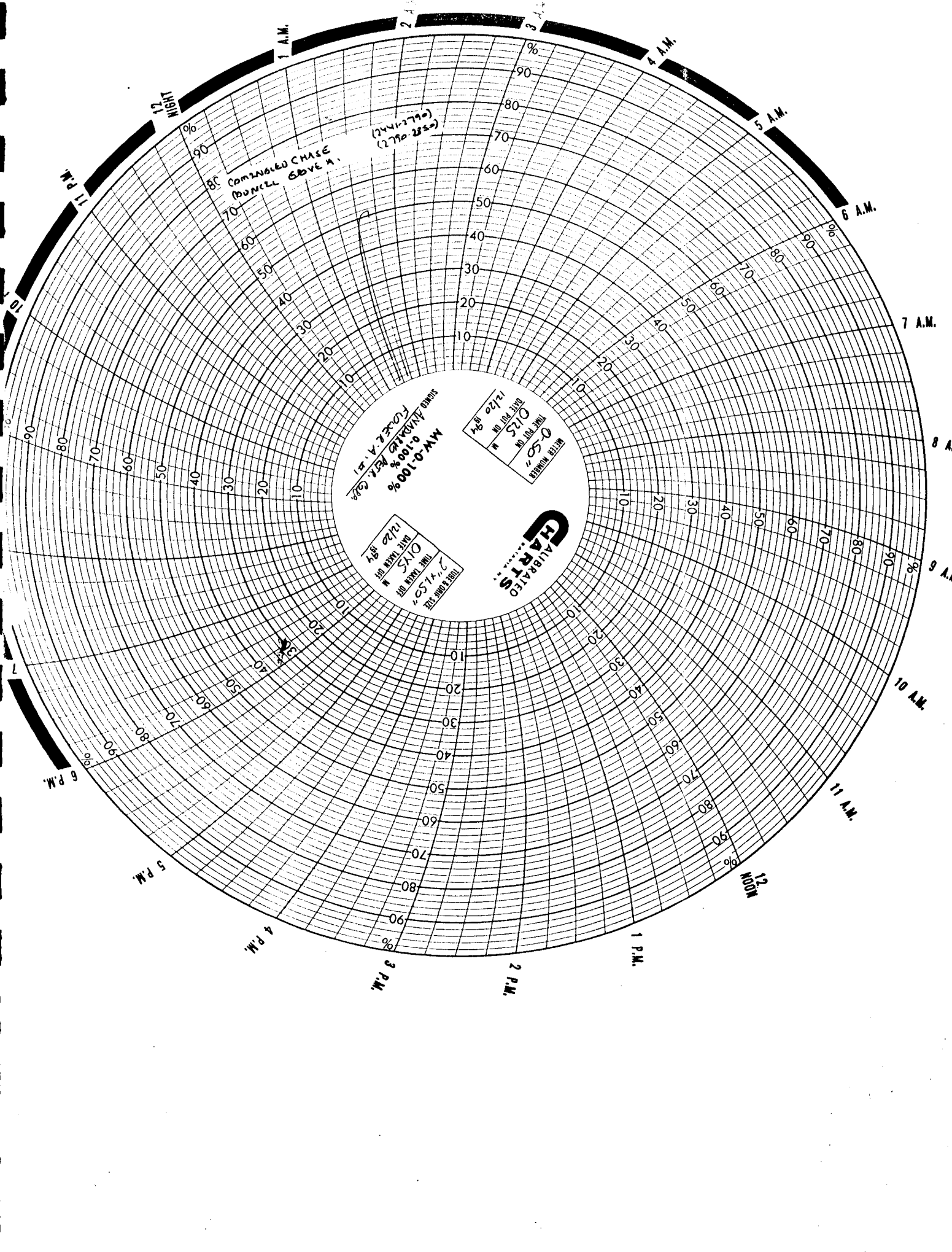
EMR-710 WELL TEST DATA

COMPANY: PRECISION WELL TESTING
CLIENT: ANADARKO PETROLEUM CORP.
GAUGE NUMBER: 86059
WELL NAME: FLOWER 'A'
WELL NUMBER: 1
TEST NUMBER: COUNCIL GROVE B-1 (2850-2882)
LOCATION: SW 25-31S-38W STEVENS CO., KS.
TEST OPERATOR: HELM
COMMENTS: LOWER GAUGE SET AT 2871'.

Starting date: 09/01/94
time: 08:28:14







COMBINED CHASE
 DUNELL GROVE A.

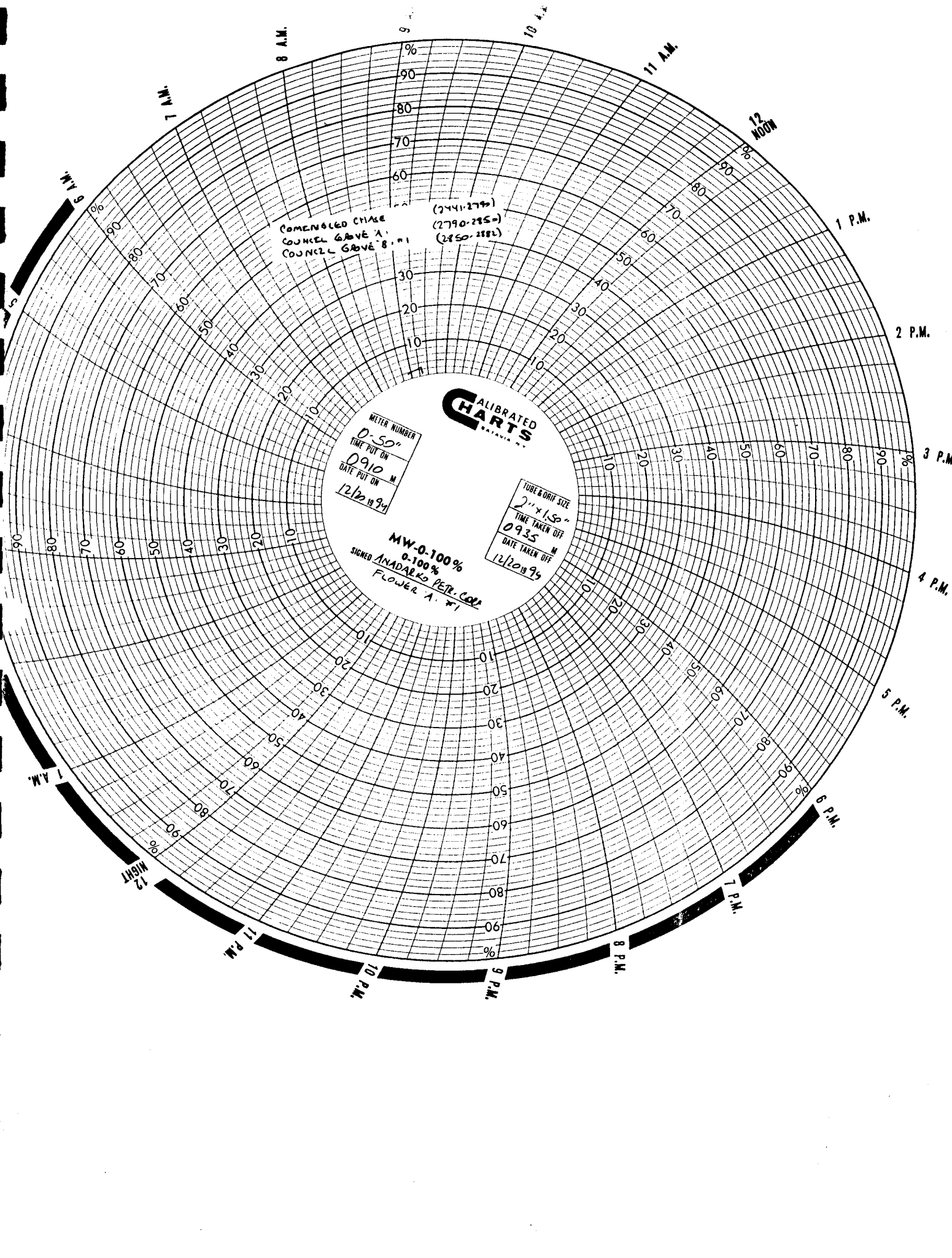
(7441-7790)
 (2790-2850)

STANDARD CONDITIONS
 WET BULB TEMPERATURE
 70°F (21.1°C)
 DRY BULB TEMPERATURE
 70°F (21.1°C)
 RELATIVE HUMIDITY
 100%

WET BULB TEMPERATURE
 70°F (21.1°C)
 DRY BULB TEMPERATURE
 70°F (21.1°C)
 RELATIVE HUMIDITY
 100%

CLAIBORNE
CHARTS
 MADE IN U.S.A.

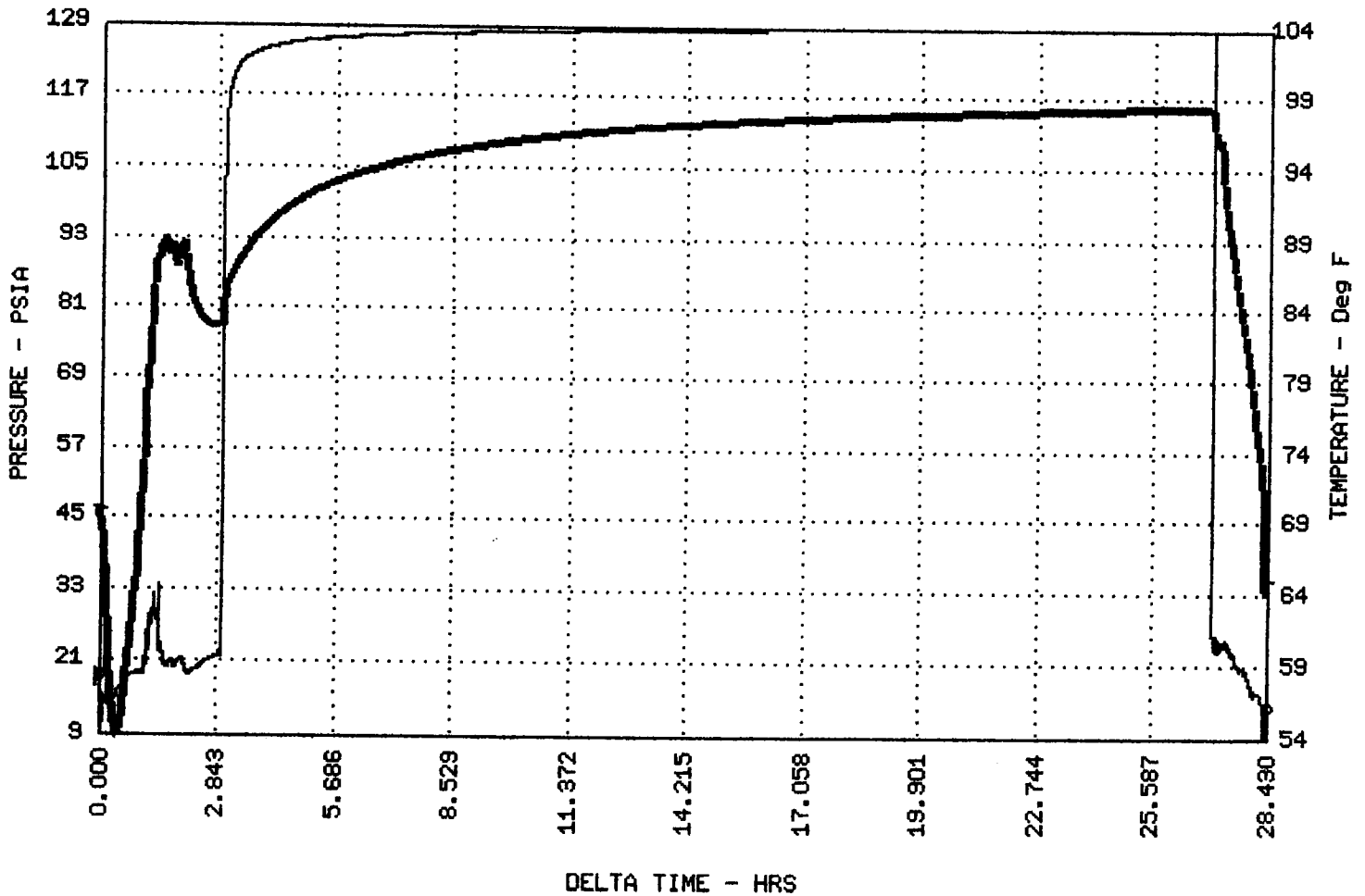
WET BULB TEMPERATURE
 70°F (21.1°C)
 DRY BULB TEMPERATURE
 70°F (21.1°C)
 RELATIVE HUMIDITY
 100%



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: COUNCIL GROVE B-2 (2882-2902)
LOCATION: SW 25-31S-38W STEVENS CO., KS.
TEST OPERATOR: HELM
COMMENTS: UPPER GAUGE SET AT 2896'.

Starting date: 12/22/94
time: 06:57:00



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 2435 TD _____ PB _____ GL _____
 TBG _____ WT _____ SET 0 SN _____ PKR _____ KB _____
 PERFS _____ TO _____ TAPS _____ ORIFICE _____ PCR _____ TO _____
 PROVER _____ METER _____ TAPS _____ ORIFICE _____ PCR _____ TO _____
 GG .720EST API _____ GM _____ RESERVOIR _____

DATE TIME OF READING	ELAP TIME HOURS	WELLHEAD PRESSURE DATA						MEASUREMENT DATA			LIQUIDS			TYPE TEST:	INITIAL	SPECIAL RETEST	ENDING DATE
		CSG PSIG	Δ P CSG	TBG PSIG	Δ P TBG	BHP PSIG	Δ P BHP	PRESS. PSIG	DIFF.	TEMP	Q MCF/D	COND. BRLS.	WATER BRLS.				
TUESDAY 12-20-94																	
0125																	
0130																	
0135																	
0140																	
0145																	
0910																	
0915																	
0920																	
0925																	
0930																	
0935																	
1113																	
1118																	
1123																	
1128																	
1133																	
1138																	
1143																	
1148																	

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 CHASE GROUP (2441-2790) AND COUNCIL
 GROVE 'A' (2790-2850)).

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 CHASE (2441-2790), COUNCIL GROVE 'A' (2790-
 2850), AND COUNCIL GROVE 'B' #1 (2850-2882)).

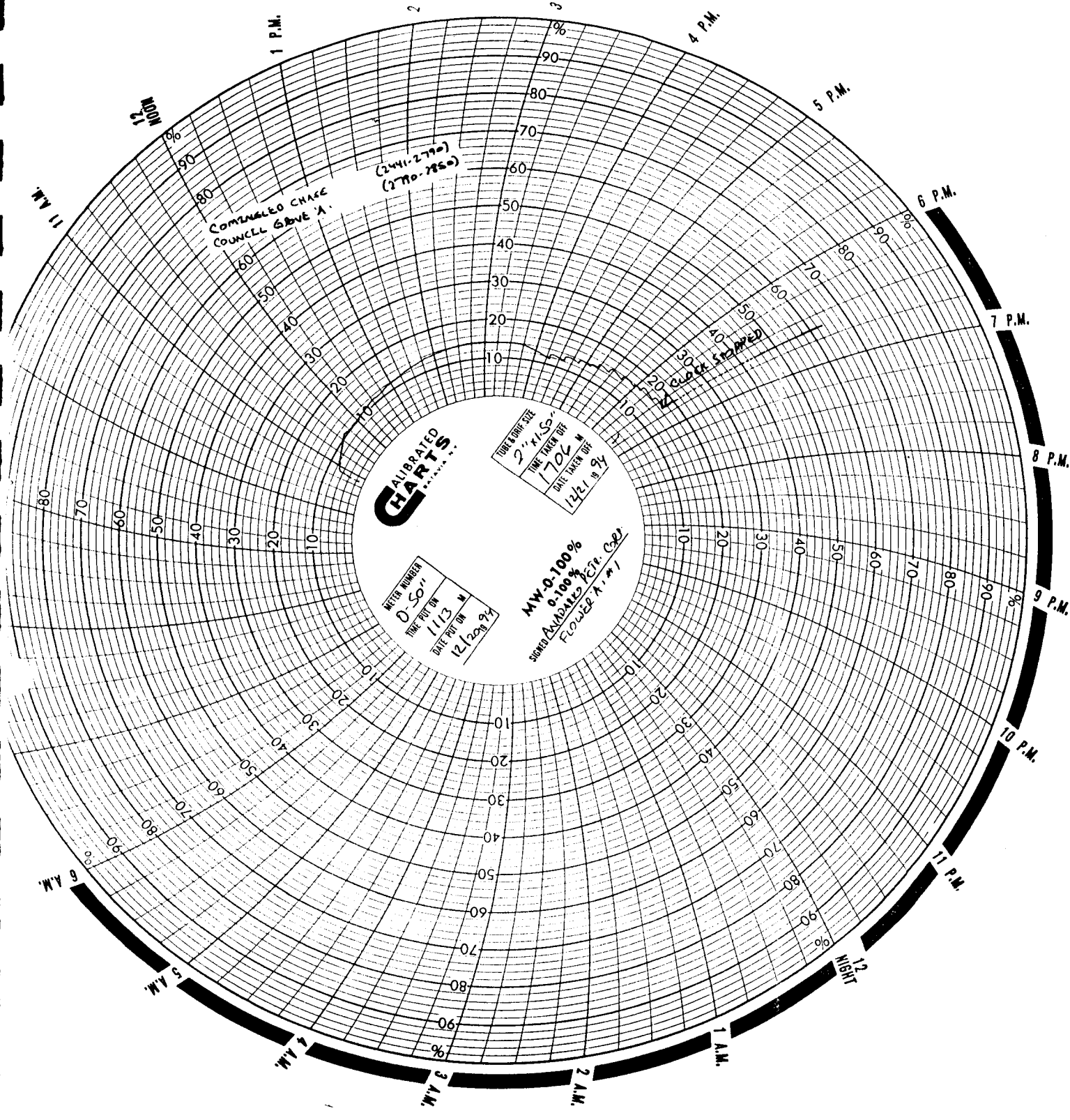
END COMINGLED FLOW TEST. PREPARE TO RUN IN WELL FOR
 DST. #13.

SET PACKER. INSTALL 2" O.W.T. WITH 1 1/2" PLATE DIRECTLY
 OFF CASING.
 (COMINGLED CHASE (2441-2790) AND COUNCIL GROVE 'A'
 (2790-2850)).

Precision Well Testing

ANADARKO PETROLEUM CORP - FLOWER 'A' #1

DATE TIME OF READING	ELAP TIME HOURS	WELLHEAD PRESSURE DATA						MEASUREMENT DATA			LIQUIDS		TYPE TEST:					
		CSG PSIG	ΔP CSG	TBG PSIG	ΔP TBG	BHP PSIG	ΔP BHP	PRESS. PSIG	DIFF.	TEMP	O MCFD	COND. BBL.	WATER BBL.	INITIAL	ANNUAL	SPECIAL RETEST	ENDING DATE	
TUESDAY 12-20-94	(CONTD)																	
1153								5.0		142								
1158								5.0		142								
1203								5.0		142								
1208								5.0		142								
1213								5.0		142								
1218								5.0		142								
1223								5.0		142								
1228								5.0		142								
1233								5.0		142								
1238								5.0		142								
1246								5.0		142								
WEDNESDAY 12-21-94																		
1706								32.0		360								
RELEASE PACKER. START OUT OF WELL WITH INSTRUMENTS.																		



Precision Well Testing

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 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

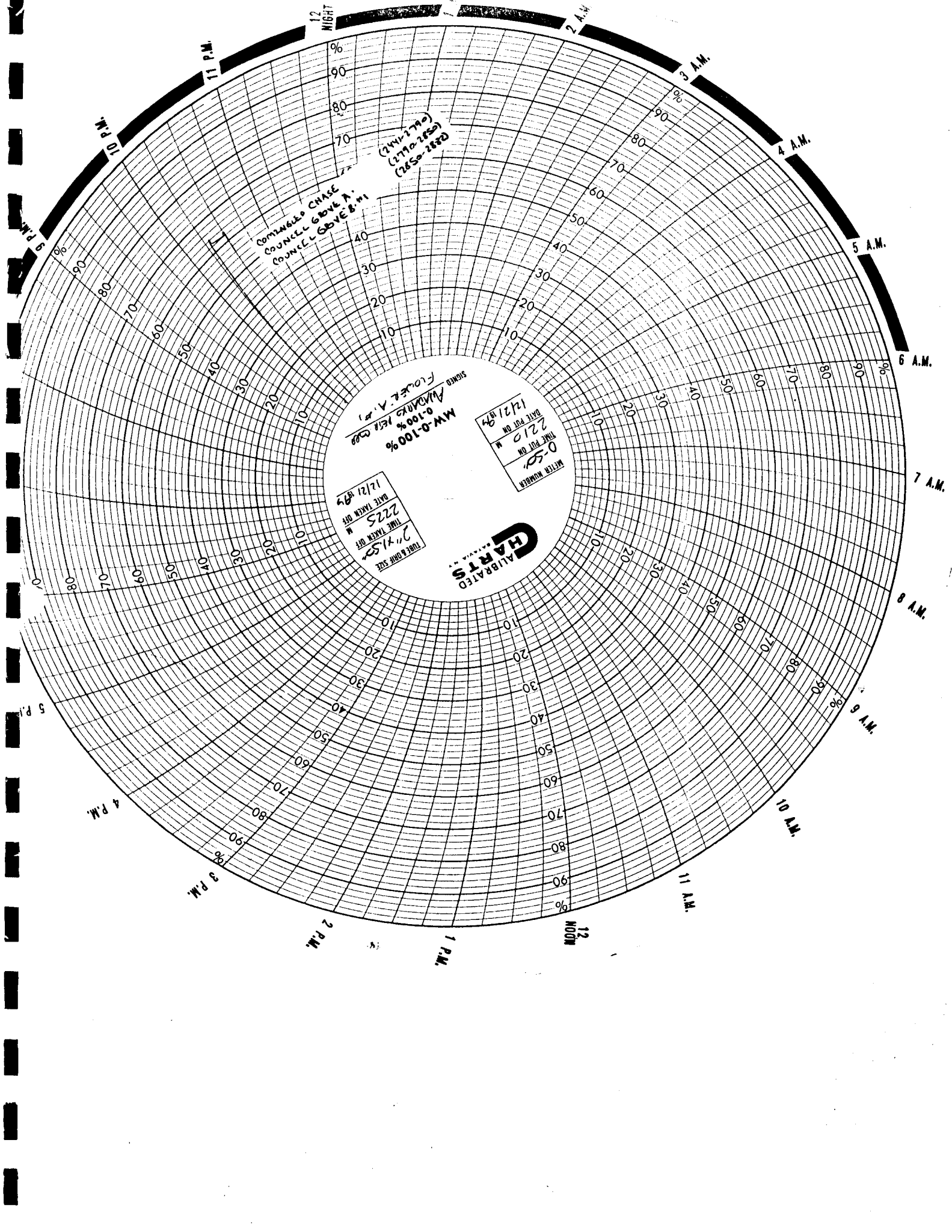
CSG 8 5/8 WT 24.0 SET 2435 TD SN PB GL
 TBG 2882 TO 2902 WT SET TO PKR KB
 PERFS 2882 TO 2902 TAPS ORIFICE TO PCR TO
 PROVER METER TAPS ORIFICE PCR TO CR
 GG .783 API GM RESERVOIR COUNCIL GROVE 'B'
 #2

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.	TEMP	Q MCF/D	COND. BRLS					WATER BRLS
WEDNESDAY 12-21-94																	
2245																	
2355																	
THURSDAY 12-22-94																	
0045																	
0140																	
0415																	
0545																	
0657																	
0704																	
0820																	
0823																	
0828																	
0833																	
0838																	
0843																	
0848																	

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

GAS VOLUMES CORRECTED TO A .783 GRAVITY.
 GAS TO SURFACE.

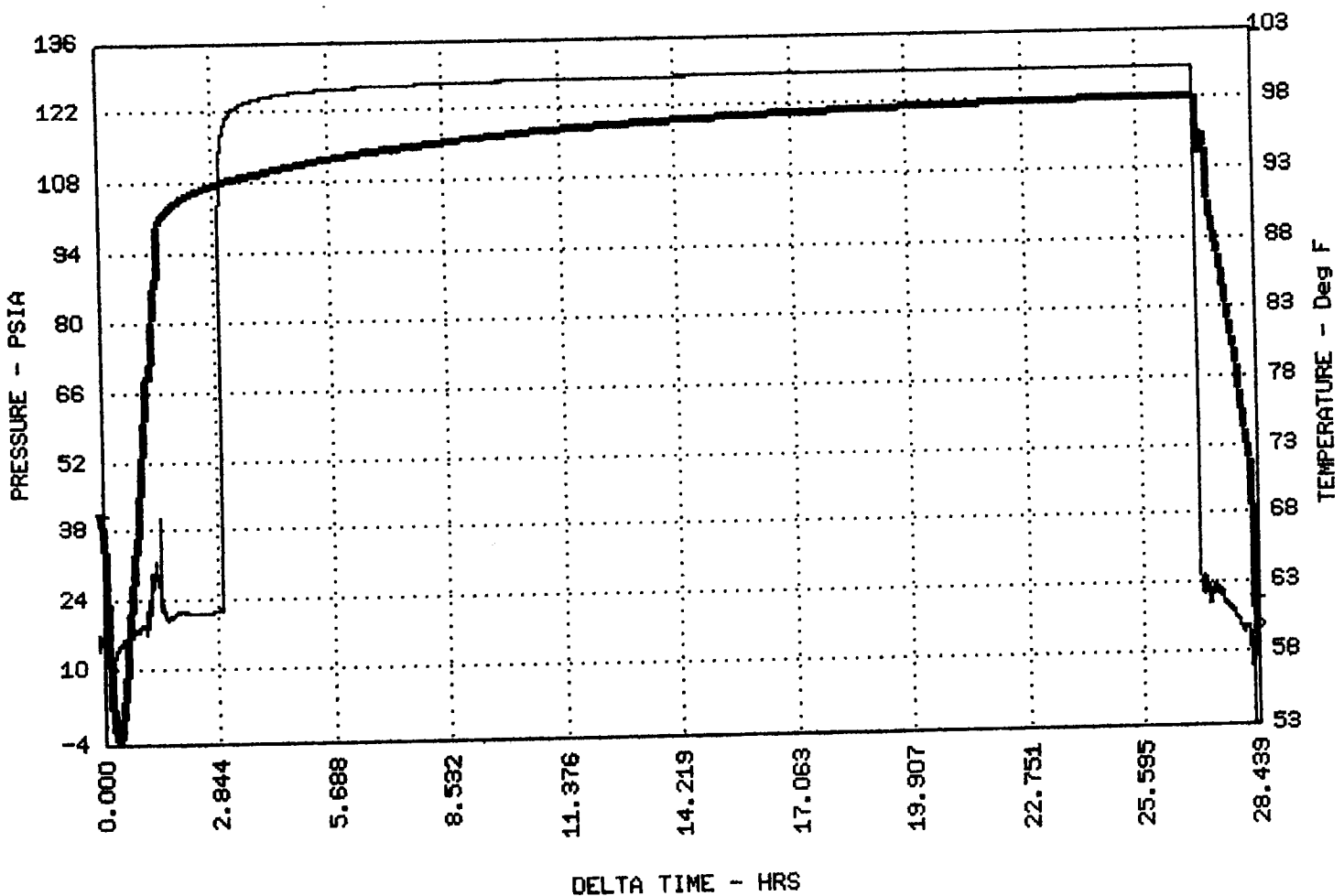
START IN WELL WITH CORE BARREL.
 CORE BARREL ON BOTTOM.
 START CORING.
 FINISH CORING COUNCIL GROVE 'B' #2 (2882-2902).
 START OUT OF WELL WITH CORE BARREL.
 CORE BARREL ON SURFACE.
 POWER UP GRC EMS-725 INSTRUMENTS.
 START IN WELL WITH INSTRUMENTS.
 INSTRUMENTS ON BOTTOM.
 BOTTOM OF TOP PACKER - 2882'
 BOTTOM OF BOTTOM PACKER - 2890'
 BOTTOM OF TOP GAUGE - 2896'
 BOTTOM OF LOWER GAUGE - 2900'
 SET PACKER.

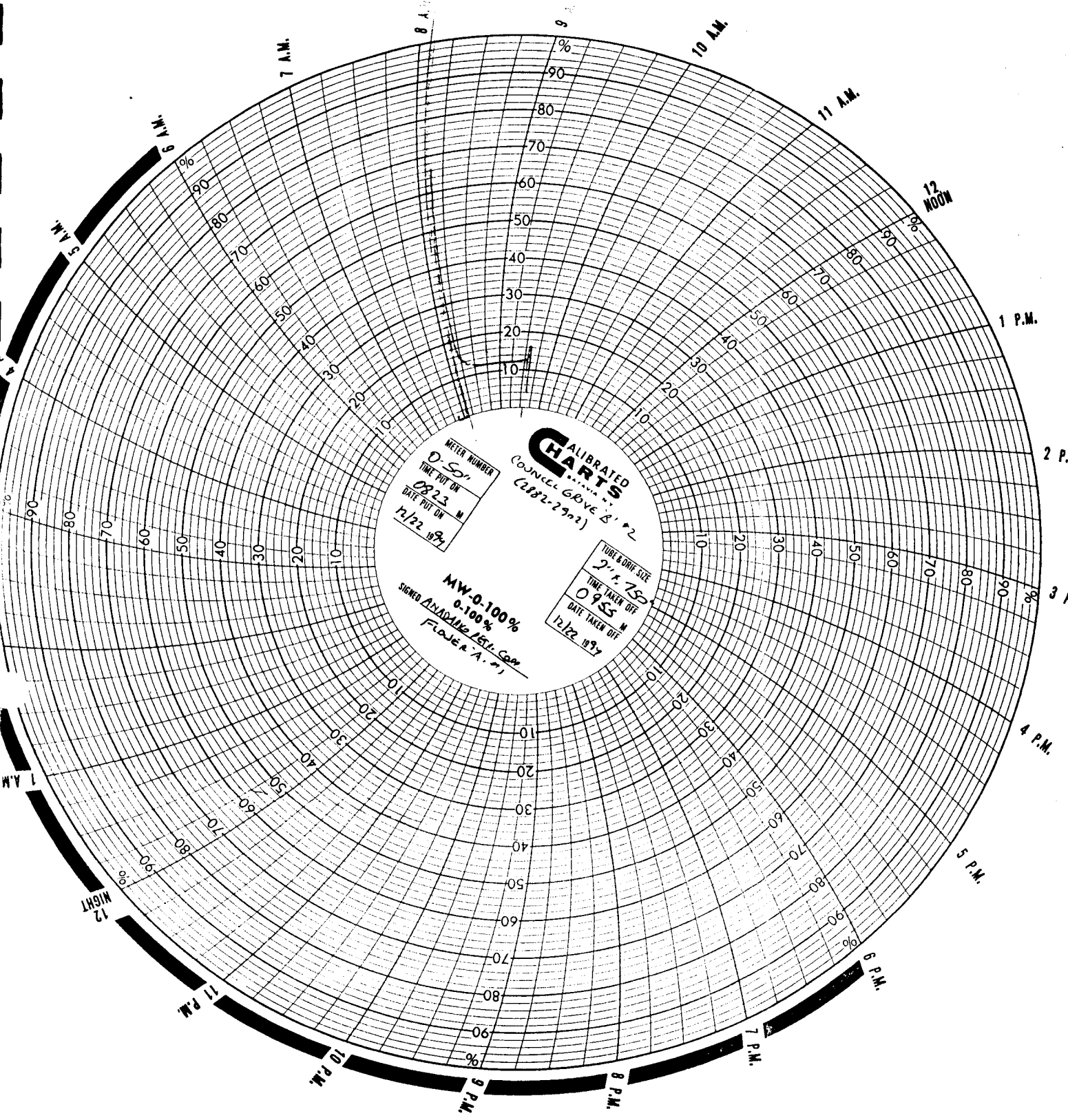


EMR-710 WELL TEST DATA

COMPANY: PRECISION WELL TESTING
CLIENT: ANADARKO PETROLEUM CORP.
GAUGE NUMBER: 86059
WELL NAME: FLOWER 'A'
WELL NUMBER: 1
TEST NUMBER: COUNCIL GROVE B-2 (2882-2902)
LOCATION: SW 25-31S-38W STEVENS CO., KS.
TEST OPERATOR: HELM
COMMENTS: LOWER GAUGE SET AT 2900'.

Starting date: 12/22/94
time: 06:57:00





METER NUMBER
0-50"
TIME PUT ON
0823
DATE PUT ON
12/22 1937

CALIBRATED CHARTS
CORNER GROVE ST. #2
(2882-2901)

MW-0-100%
0-100%
SIGNED ANADARKO TEST CORP.
FLORIDA, FLA.

TUBE & DRIVE SIZE
2" x 25"
TIME TAKEN OFF
0955
DATE TAKEN OFF
12/22 1937

12 MIGHT

11 P.M.

10 P.M.

9 P.M.

8 P.M.

7 P.M.

6 P.M.

5 P.M.

4 P.M.

3 P.

2 P.

1 P.M.

12 NOON

11 A.M.

10 A.M.

7 A.M.

6 A.M.

5 A.M.

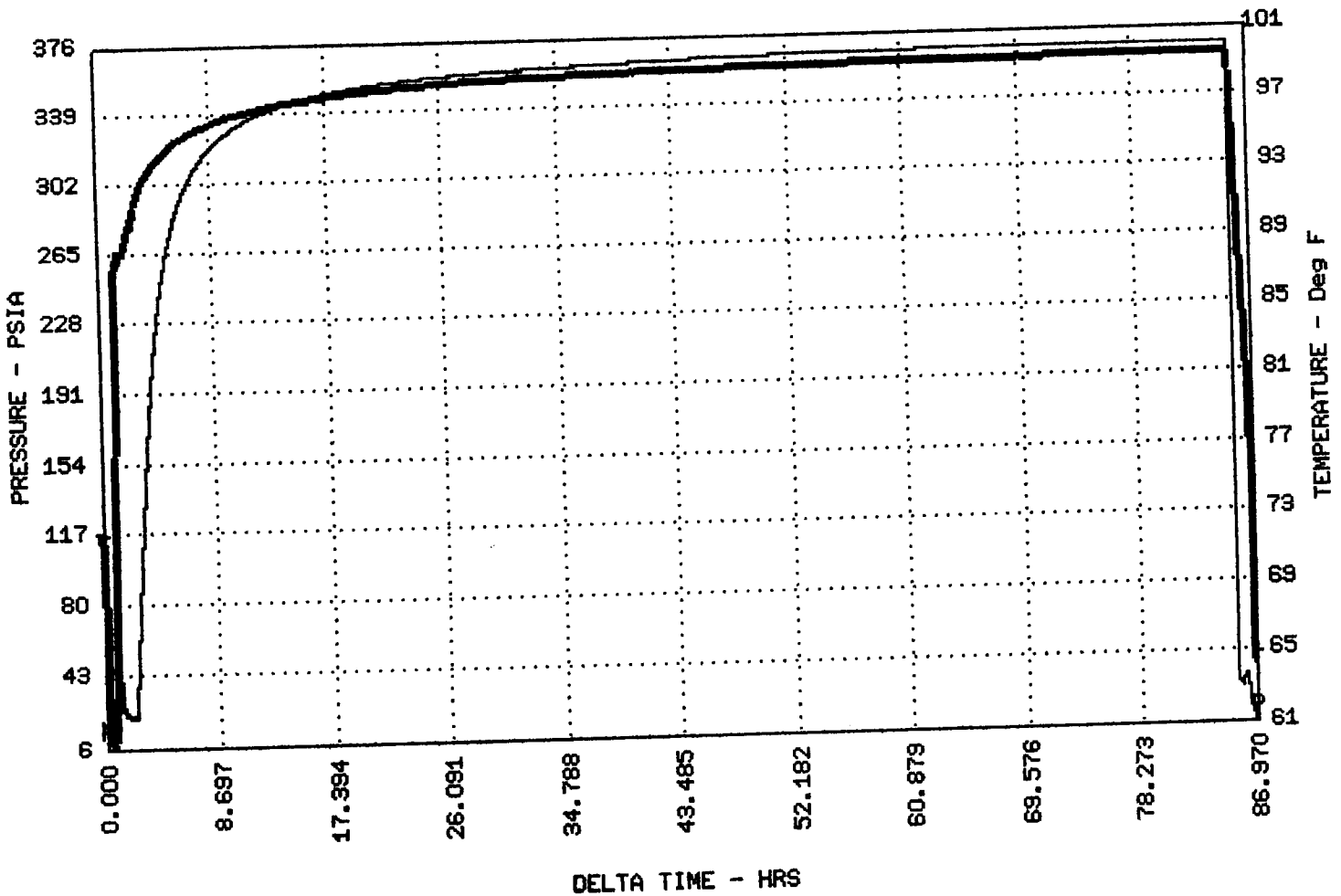
1 A.M.

EMR-710 WELL TEST DATA

COMPANY:
CLIENT:
GAUGE NUMBER:
WELL NAME:
WELL NUMBER:
TEST NUMBER:
LOCATION:
TEST OPERATOR:
COMMENTS:

PRECISION WELL TESTING
ANADARKO PETROLEUM CORP.
87011
FLOWER 'A'
1
COUNCIL GROVE B-3 (2902-2921)
SW 25-31S-38W STEVENS CO., KS.
HELM
UPPER GAUGE SET AT 2916'.

Starting date: 12/29/94
time: 18:36:00



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

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

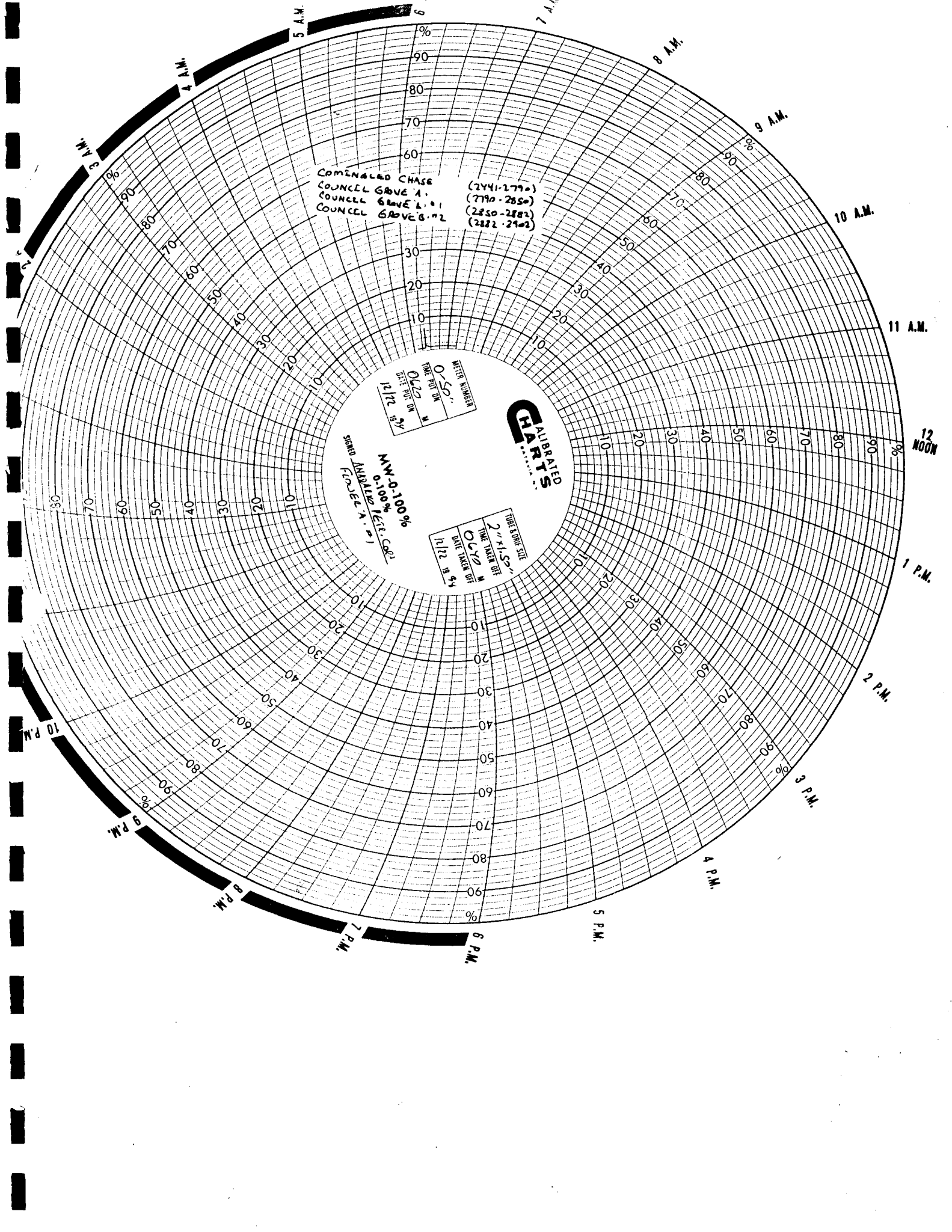
CSG 8 5/8 WT 24.0 SET 2435 TD PB GL
 TBG WT SET SN PKR KB
 PERFS TO TO TO TO
 PROVER METER TAPS ORIFICE PCR TCR
 GG API GM RESERVOIR

DATE TIME OF READING	ELAP TIME HOURS	WELLHEAD PRESSURE DATA				MEASUREMENT DATA				LIQUIDS		REMARKS PERTINENT TO TEST DATA QUALITY	SPECIAL RETEST DATE	ENDING DATE	
		CSG PSIG	Δ P CSG	TBG PSIG	Δ P TBG	BHP PSIG	Δ P BHP	PRESS. PSIG	DIFF.	TEMP	Q MCF/D				COND. BBL/S
WEDNESDAY 12-21-94															
2210															
2215															
2220															
2225															
THURSDAY 12-22-94															
0620															
0625															
0630															
0635															
0640															
0823															
0828															
0833															
0838															
0843															
0848															
0853															
0858															

TYPE INITIAL SPECIAL ENDING
 TEST: ANNUAL RETEST DATE 12-23-94
 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 CHASE GROVE (2790), COUNCIL GROVE 'A' (2790-2850), COUNCIL GROVE 'B' #1 (2850-2882), AND COUNCIL GROVE 'B' #2 (2882-2902)).

END COMINGLED FLOW TEST. PREPARE TO RUN IN WELL FOR
 DST. #14.
 SET PACKER. INSTALL 2" O.W.T. WITH 1 1/2" PLATE DIRECTLY
 OFF CASING.
 (COMINGLED CHASE (2441-2790), COUNCIL GROVE 'A' (2790-2850), AND COUNCIL GROVE 'B' #1 (2850-2882)).



COMENALDO CHASE (2441-2770)
COUNCEL GROVE A. (7790-2850)
COUNCEL GROVE L. #1 (2850-2882)
COUNCEL GROVE B. #2 (2882-2902)

WATER METER READING
0.55'
TIME TAKEN OFF 0.22 M
DATE TAKEN OFF 12/12 84

MAN-0.100%
0.100%
SPECIAL ANALYSIS FOR
FORD RIVER COUNCEL GROVE A. #1

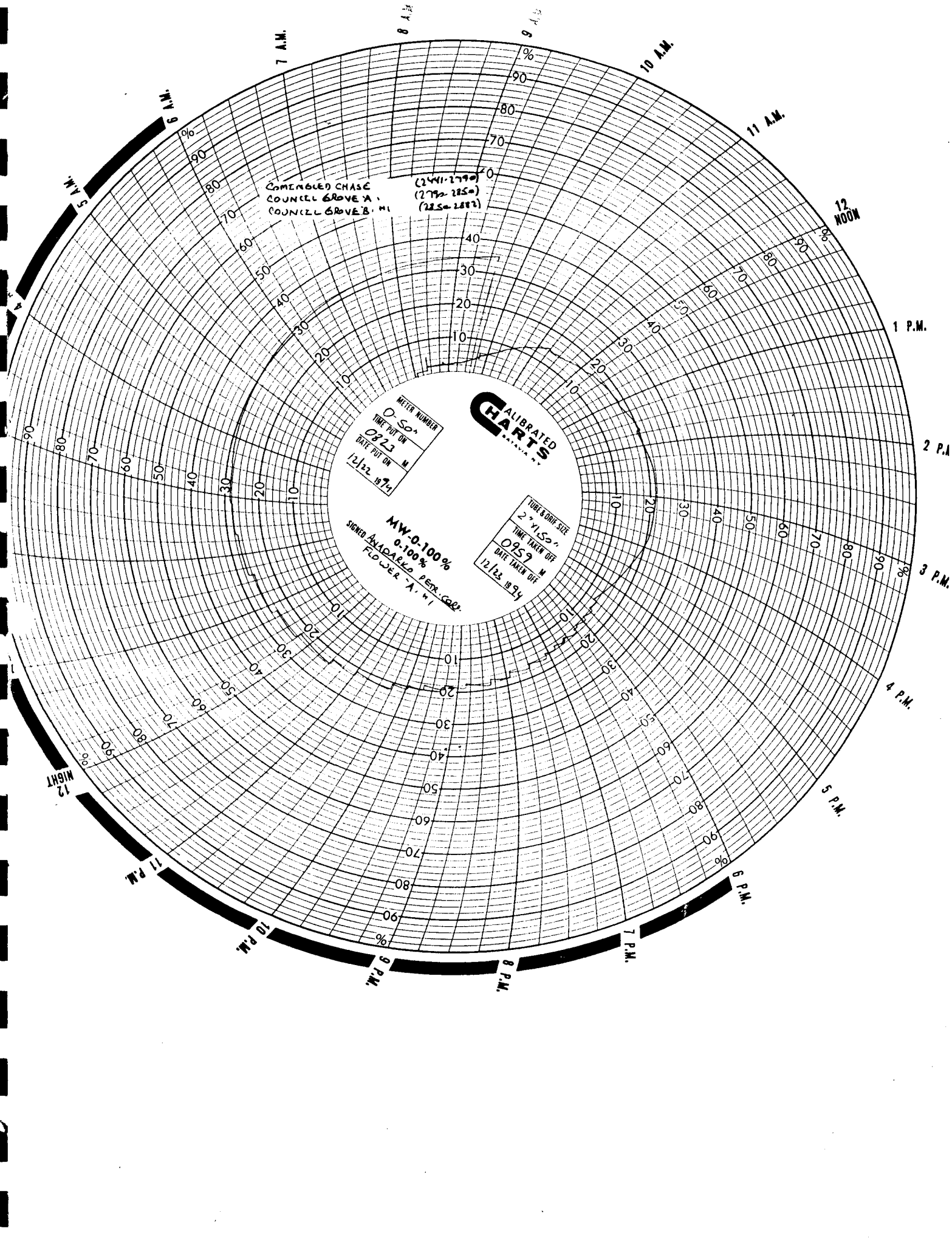
TUBE & BURET SIZE 2" x 1/8"
TIME TAKEN OFF 0.40 M
DATE TAKEN OFF 12/12 84

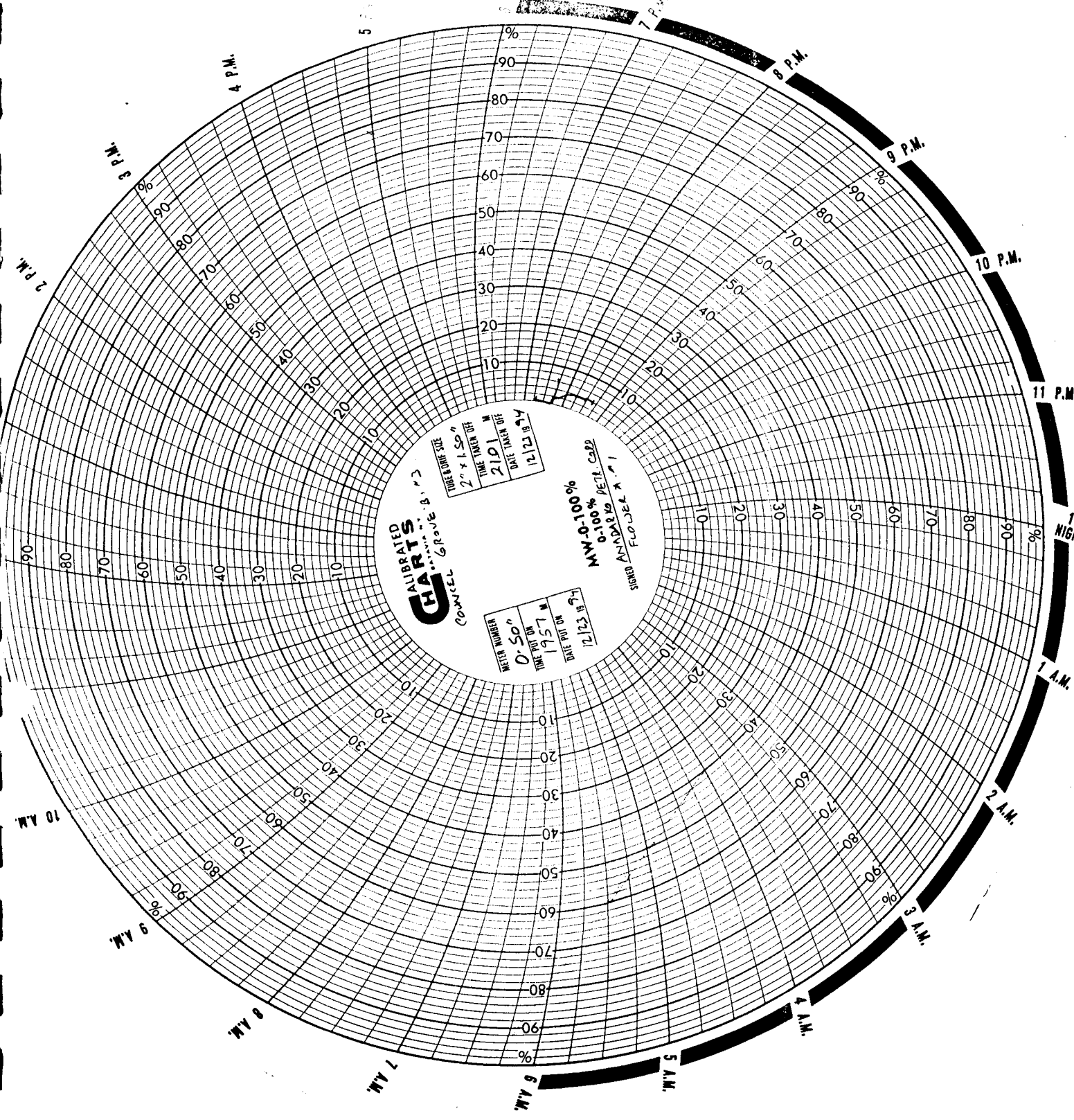
CHARTS
ALIBATES

Precision Well Testing

ANADARKO PETROLEUM CORP - FLOWER 'A' #1

DATE TIME OF READING	ELAP TIME HOURS	WELLHEAD PRESSURE DATA						MEASUREMENT DATA				LIQUIDS		TYPE			
		CSG PSIG	Δ P CSG	TBG PSIG	Δ P TBG	BHP PSIG	Δ P BHP	PRESS. PSIG	DIFF.	TEMP	O MCF/D	COND. BBL/S.	WATER BBL/S.	INITIAL	ANNUAL	SPECIAL	ENDING
THURSDAY 12-23-94 (CONTD)																	
0903									1.5		77.7						
0908									1.5		77.7						
0913									1.5		77.7						
0918									1.5		77.7						
0923									1.5		77.7						
0928									1.5		77.7						
0933									1.5		77.7						
0938									1.5		77.7						
0943									1.5		77.7						
0948									1.5		77.7						
0955									2.0		89.9						
FRIDAY 12-23-94																	
0959									18.0		269						
RELEASE PACKER. START OUT OF WELL WITH INSTRUMENTS.																	





CALIBRATED CHARTS
COUNSEL GROVE B. P. 3

TUBE ORK SIZE
2" x 1.50"
TIME TAKEN OFF
2:01 M
DATE TAKEN OFF
12/23/94

METER NUMBER
0-50"
TIME PUT ON
9:57 M
DATE PUT ON
12/23/94

MAN-0100%
0-100% DET. CO. 20
SIGNER ANADARIS
FLOJEL A. 1

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.

1 A.M.

2 A.M.

3 A.M.

4 A.M.

5 A.M.

6 A.M.

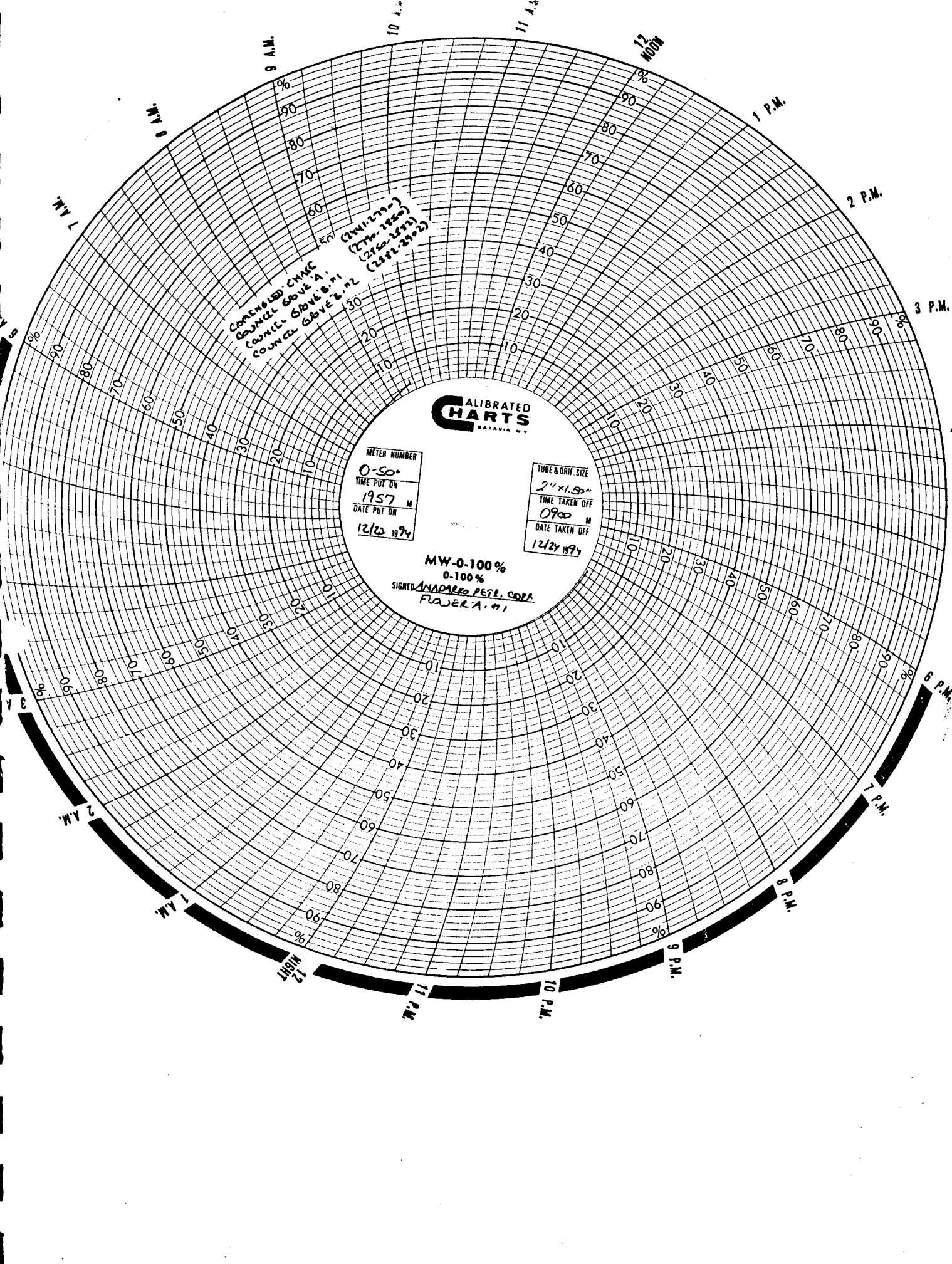
7 A.M.

8 A.M.

9 A.M.

10 A.M.

1 NIGHT



COMMERCIAL CHARGE
COUNCIL GROVE A.
COUNCIL GROVE B. M.
COUNCIL GROVE B. M.
R.N. (2111-2113)
(2114-2116)
(2117-2119)
(2120-2122)

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

METER NUMBER
0-50
TIME PUT ON
1957 M
DATE PUT ON
12/20 1974

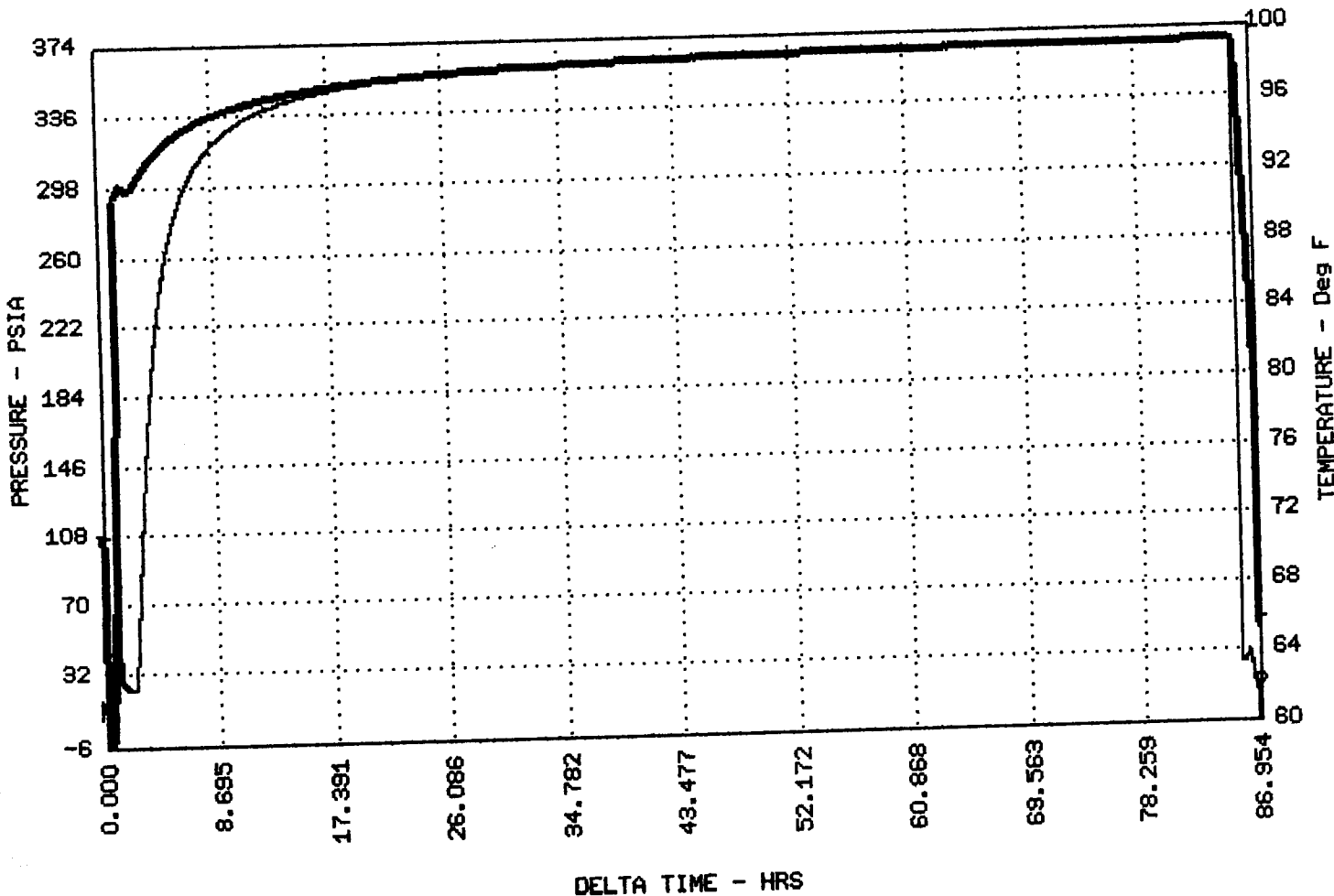
TUBE & ORIF. SIZE
2" x 1.5"
TIME TAKEN OFF
0900 M
DATE TAKEN OFF
12/27 1974

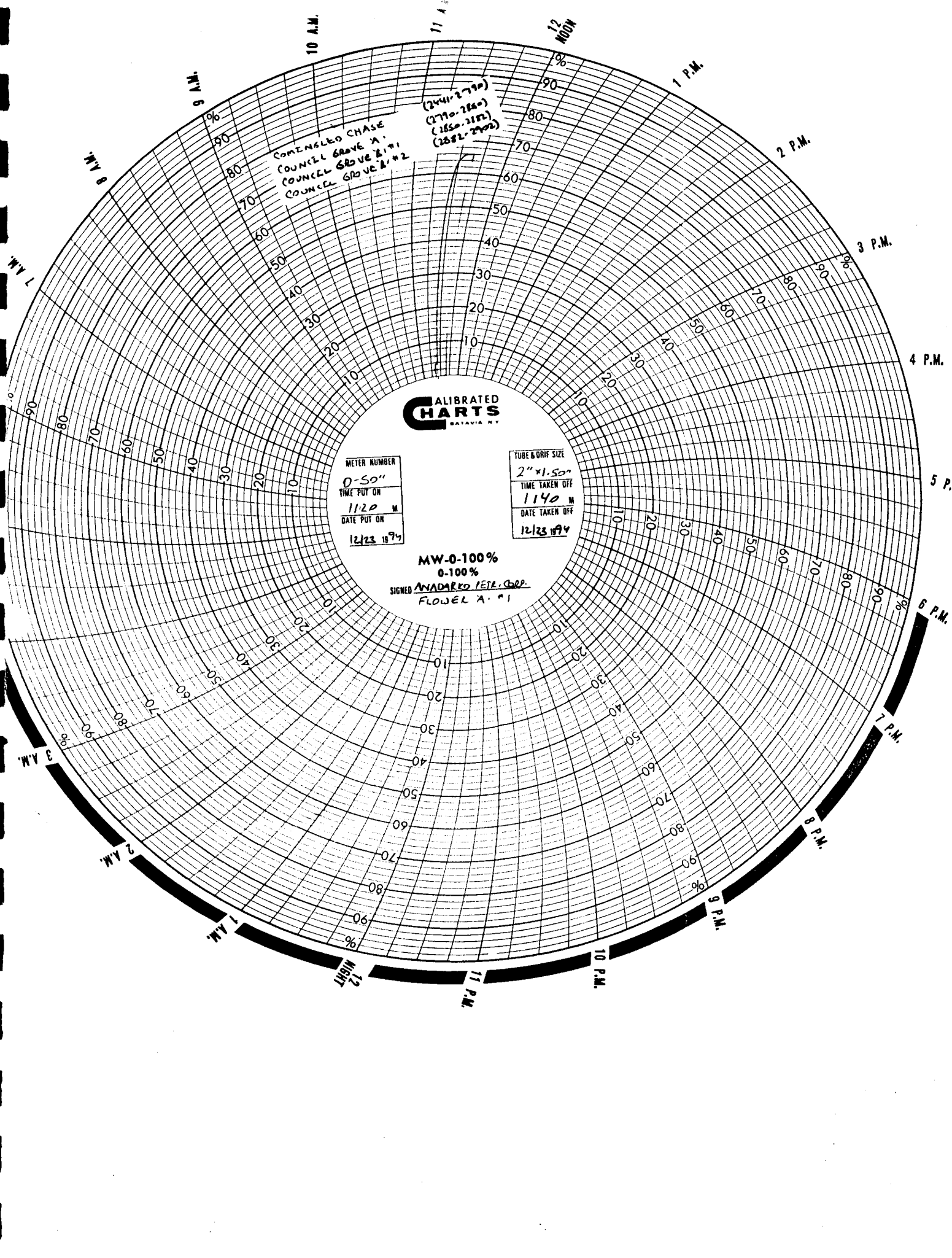
MW-0-100%
0-100%
SIGNED ANADARKO PETR. CORP.
FLOWER A. 91

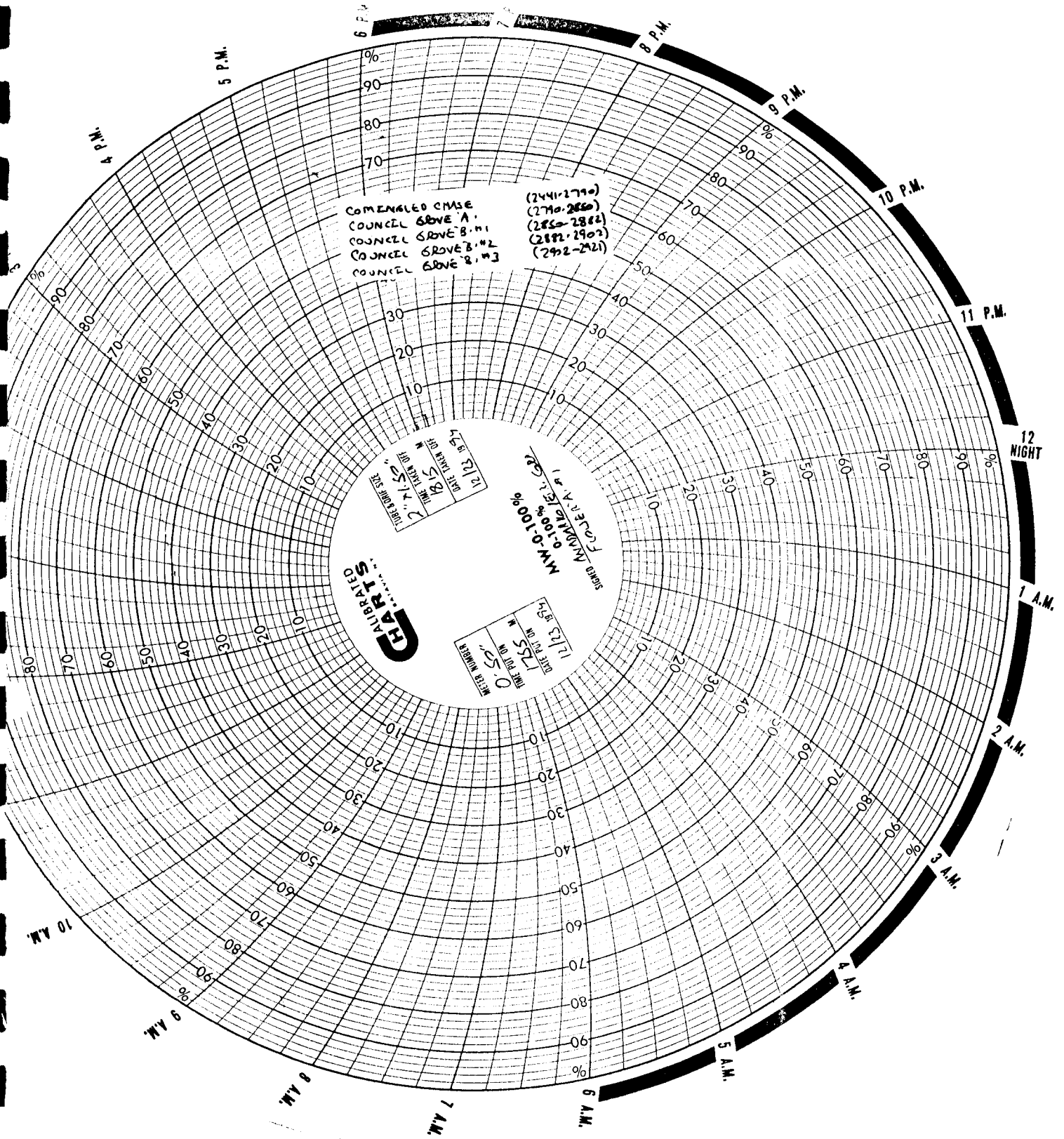
EMR-71U WELL TEST DATA

COMPANY: PRECISION WELL TESTING
CLIENT: ANADARKO PETROLEUM CORP.
GAUGE NUMBER: 86059
WELL NAME: FLOWER 'A'
WELL NUMBER: 1
TEST NUMBER: COUNCIL GROVE B-3 (2902-2921)
LOCATION: SW 25-31S-38W STEVENS CO., KS.
TEST OPERATOR: HELM
COMMENTS: LOWER GAUGE SET AT 2920'.

Starting date: 12/23/94
time: 18:96:00







COMENGALED CHASE (2441-2790)
 COUNCEL GROVE A. (2790-2860)
 COUNCEL GROVE B.#1 (2860-2882)
 COUNCEL GROVE B.#2 (2882-2902)
 COUNCEL GROVE B.#3 (2902-2921)

HAIRTS
 AIRPATED

SUPER ADDRESS COVER # 1
 NW-0-100%
 12/25/55
 1755
 12/25/55

METEOROLOGICAL
 O.S.
 12/25/55
 1755

54 51 37 32 12
 12/25/55
 1755
 12/25/55

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.

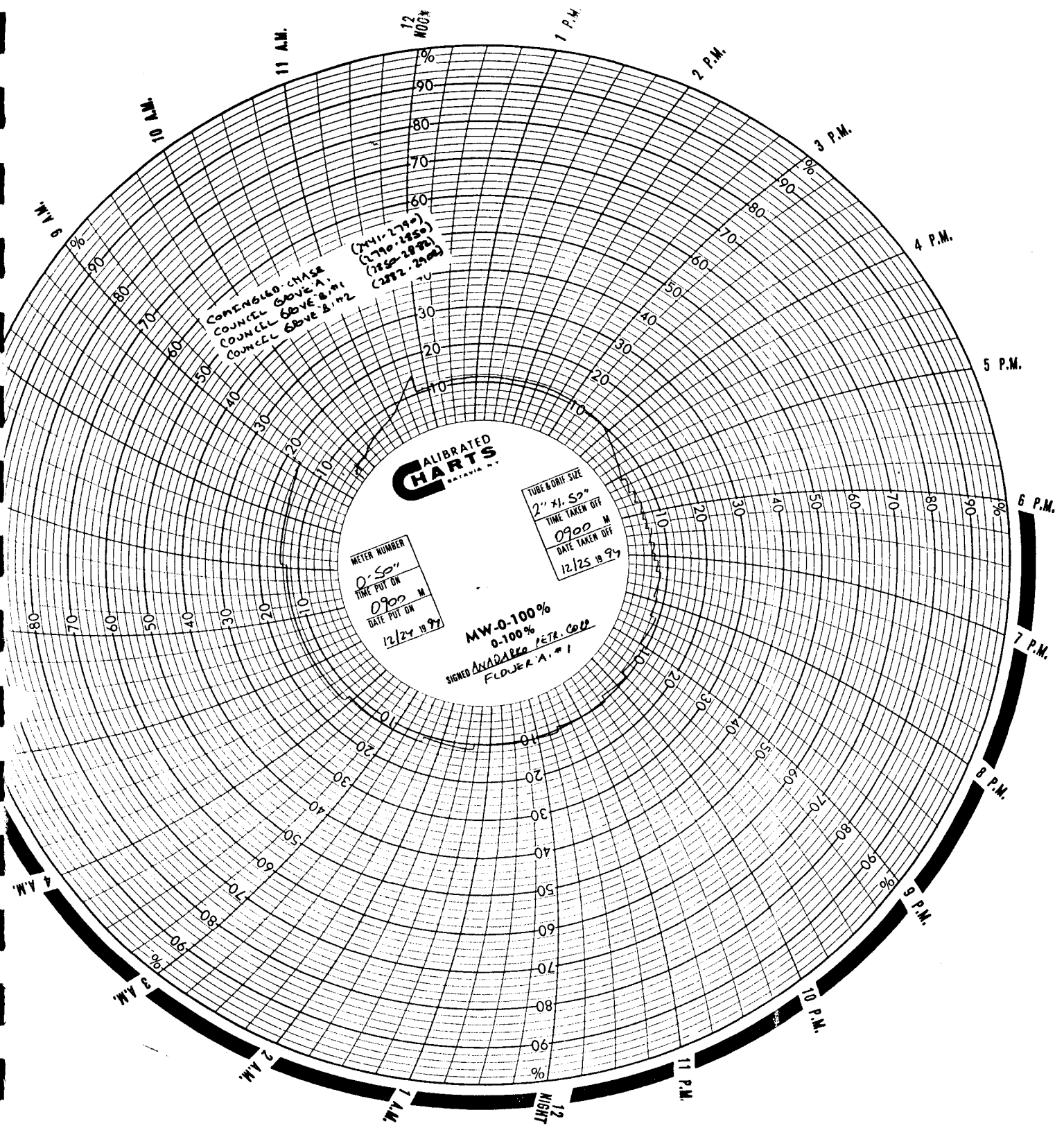
6 A.M.

7 A.M.

8 A.M.

9 A.M.

10 A.M.



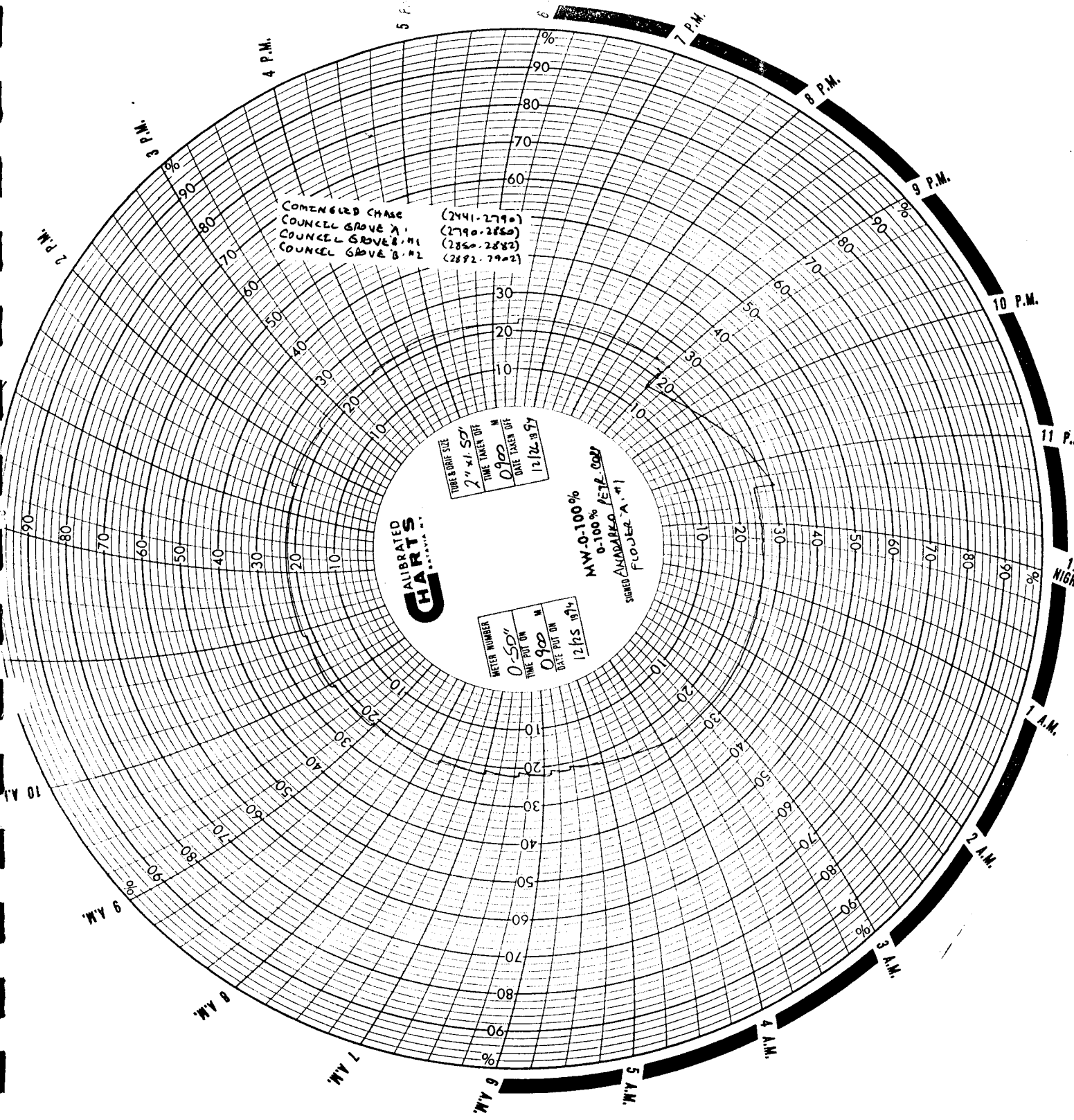
CONDENSER CHASE
COUNCEL GROVE A.
COUNCEL GROVE B. #1
COUNCEL GROVE B. #2
(2441-2794)
(2790-2455)
(2820-2870)
(2872-2902)

CALIBRATED
CHARTS
BATAVIA, N.Y.

METER NUMBER
0-50"
TIME PUT ON
0900 M.
DATE PUT ON
12/27 19 97

TUBE & ORIF. SIZE
2" x 1/2"
TIME TAKEN OFF
0900 M.
DATE TAKEN OFF
12/25 19 97

MW-0-100%
0-100%
SIGNED *ANADAR PETER COLL*
FLOWER A. #1



COMENGLB CHASE (2441-2790)
 COUNCEL GROVE A (2790-2860)
 COUNCEL GROVE B #1 (2860-2882)
 COUNCEL GROVE B #2 (2882-2902)

CALIBRATED
CHARTS
INCORPORATED

TUBE & GAGE SIZE
 2" x 1.5"
 TIME TAKEN OFF
 0900 M
 DATE TAKEN OFF
 12/25/1974

MW-0-100%
 0-100%
 L. V. TAYLOR
 SHIPPED ASHARAKO, TEX. CO.

METER NUMBER
 0-50"
 TIME PUT ON
 0900 M
 DATE PUT ON
 12/25/1974

10 A.M.

9 A.M.

8 A.M.

7 A.M.

6 A.M.

5 A.M.

4 A.M.

3 A.M.

2 A.M.

1 A.M.

12 MIDD

10 P.M.

11 P.M.

9 P.M.

8 P.M.

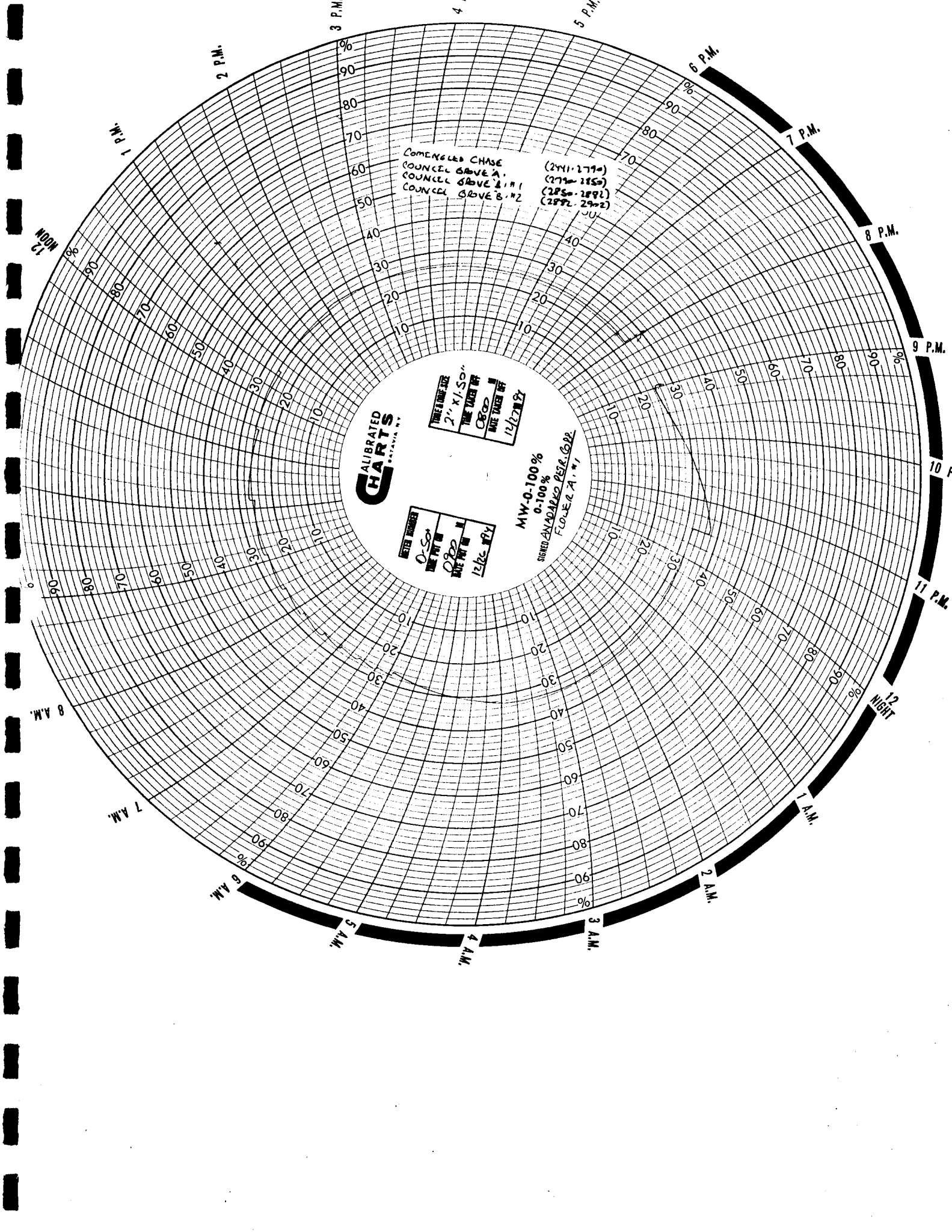
7 P.M.

5 P.M.

4 P.M.

3 P.M.

2 P.M.



COMENGLER CHASE
 COUNCEL GROVE A. (2771-2779)
 COUNCEL GROVE B. #1 (2779-2850)
 COUNCEL GROVE B. #2 (2850-2892)
 (2892-2902)

CALIBRATED CHARTS
ASTORIA, OREGON

TIME RANGE 2" x 1.50"
 TIME RANGE 1" x 1.00"
 DATE RANGE 12/22/77
 DATE RANGE 12/22/77

MW-0-100%
 0-100%
 SIGNED AND APPROVED
 FLORENCE A. #1

12 NOON

1 P.M.

2 P.M.

3 P.M.

4 P.

5 P.M.

6 P.M.

7 P.M.

8 P.M.

9 P.M.

10 P.

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.

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 2435 TD _____ PB _____ GL _____
 TBG _____ WT _____ SET _____ SN _____ PKR _____ K8 _____
 PERFS _____ TO _____ TO _____ TO _____
 PROVER _____ METER _____ TAPS _____ ORIFICE _____ PCR _____ TCR _____
 GG .720BEST API _____ GM _____ RESERVOIR _____

DATE TIME OF READING	ELAP TIME HOURS	WELLHEAD PRESSURE DATA				MEASUREMENT DATA				LIQUIDS		TYPE	INITIAL	SPECIAL	RETEST	ENDING DATE	
		CSG PSIG	Δ P CSG	TBG PSIG	Δ P TBG	BHP PSIG	Δ P BHP	PRESS. PSIG	DIFF.	TEMP	O MCFD						COND. WATER BBLs
FRIDAY 12-23-94																	
1120																	
1125																	
1130																	
1135																	
1140																	
1755																	
1800																	
1805																	
1810																	
1815																	
1957																	
2002																	
2007																	
2012																	
2017																	
2022																	
2027																	
2032																	
2037																	

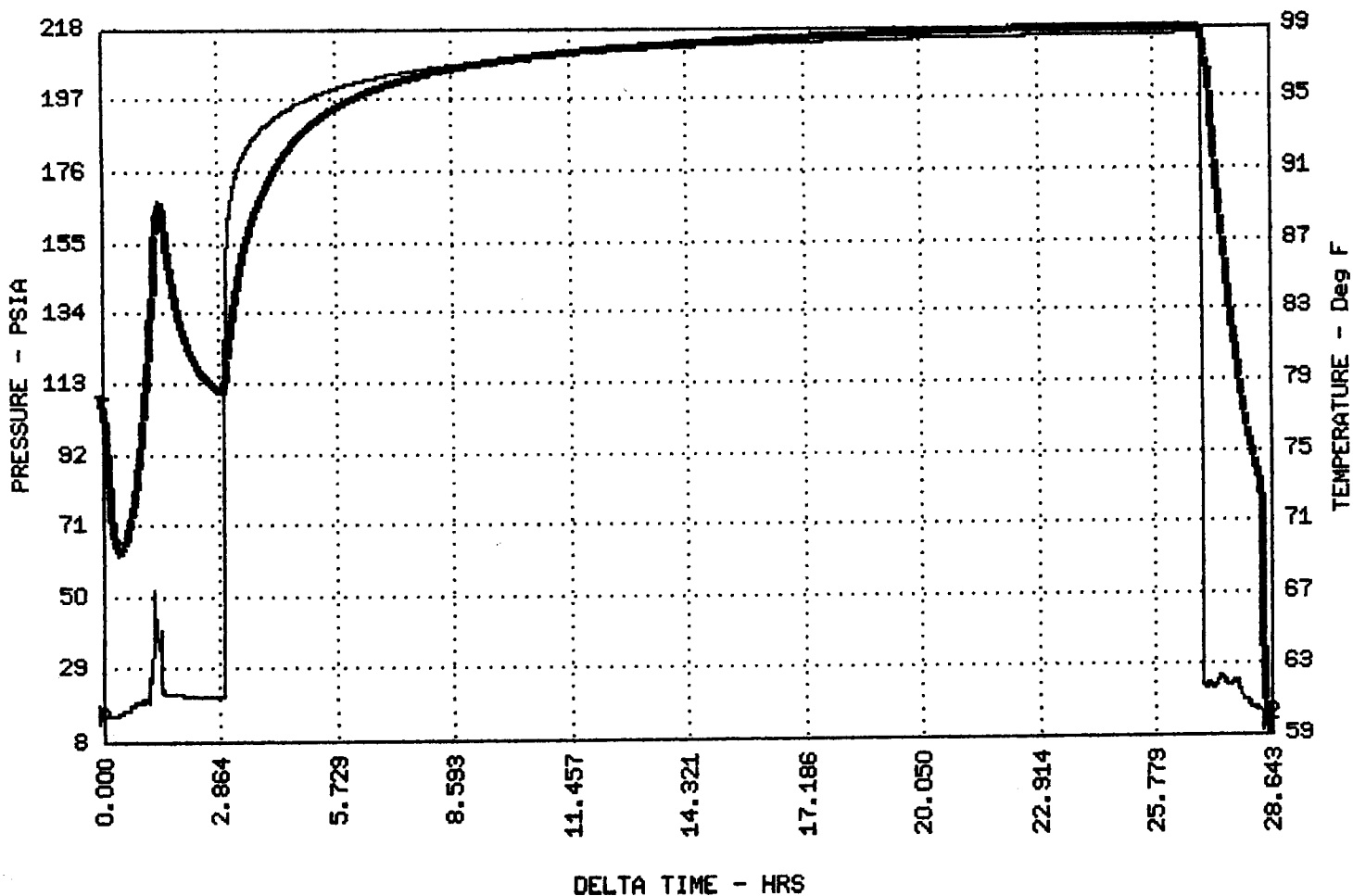
END FLOW. PREPARE TO RUN CORE BARREL.
 RUN 1 STAND DRILLPIPE IN WELL.
 INSTALL 2" VALVE IN DRILLPIPE AT SURFACE (CLOSED).
 INSTALL 2" O.W.T. WITH 1 1/2" PLATE DIRECTLY OFF CASING
 (COMINGLED GAS FROM CHASE GROUP (2441-2790), COUNCIL GROVE 'A' (2790-2850), COUNCIL GROVE 'B' #1 (2850-2882) AND COUNCIL GROVE 'B' #2 (2882-2902)).

END FLOW. PREPARE TO RUN IN WELL FOR
 DST. #15.
 SET PACKER. INSTALL 2" O.W.T. WITH 1 1/2" PLATE
 DIRECTLY OFF CASING.
 (COMINGLED CHASE (2441-2790), COUNCIL GROVE 'A' (2790-2850), COUNCIL GROVE 'B' #1 (2850-2882), AND COUNCIL GROVE 'B' #2 (2882-2902)).

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: COUNCIL GROVE B-4 (2921-2939)
LOCATION: SW 25-31S-38W STEVENS CO., KS.
TEST OPERATOR: HELM
COMMENTS: UPPER GAUGE SET AT 2932'.

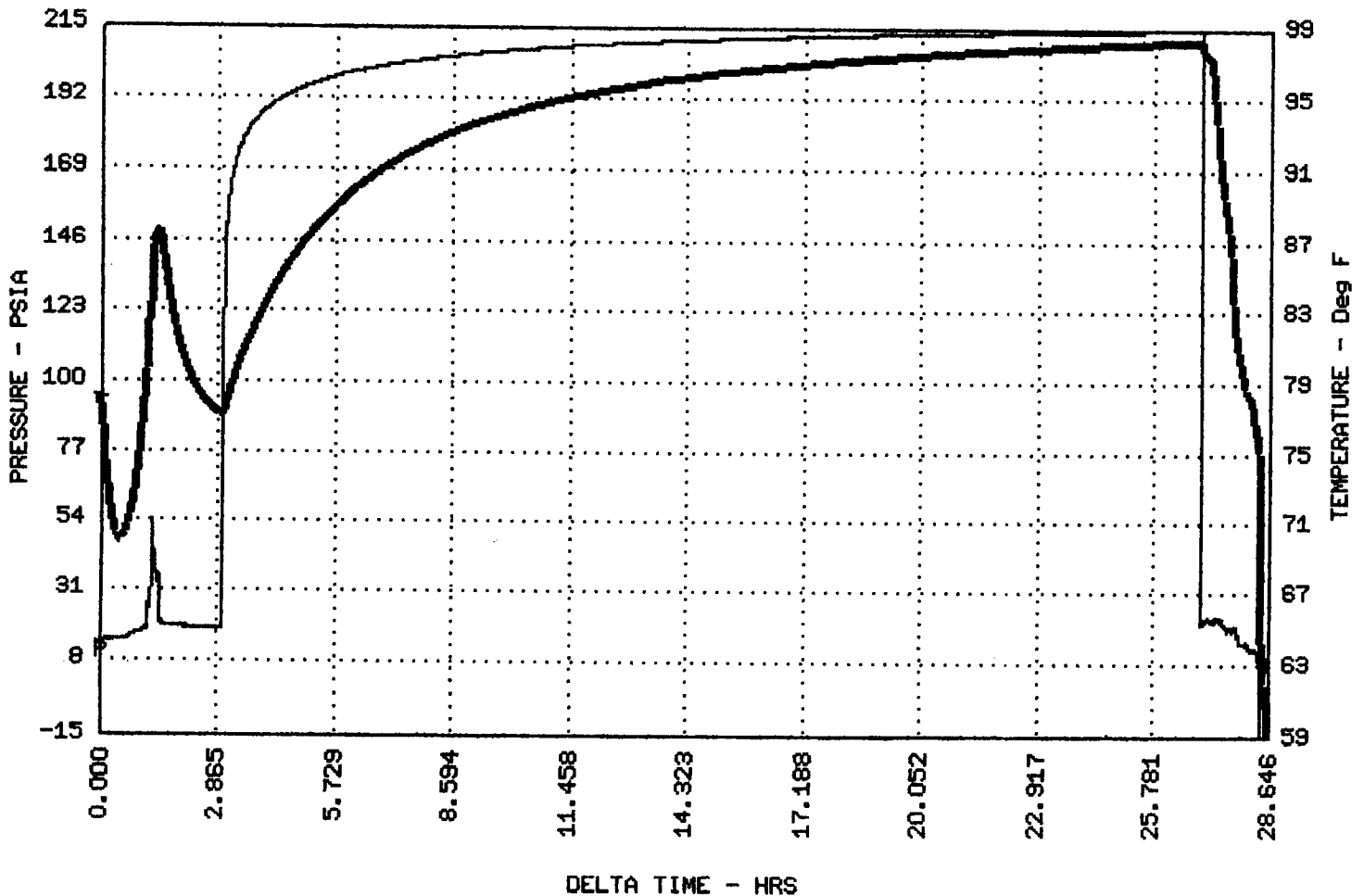
Starting date: 12/27/94
time: 18:38:00



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: COUNCIL GROVE B-4 (2921-2939)
LOCATION: SW 25-31S-38W STEVENS CO., KS.
TEST OPERATOR: HELM
COMMENTS: LOWER GAUGE SET AT 2936'.

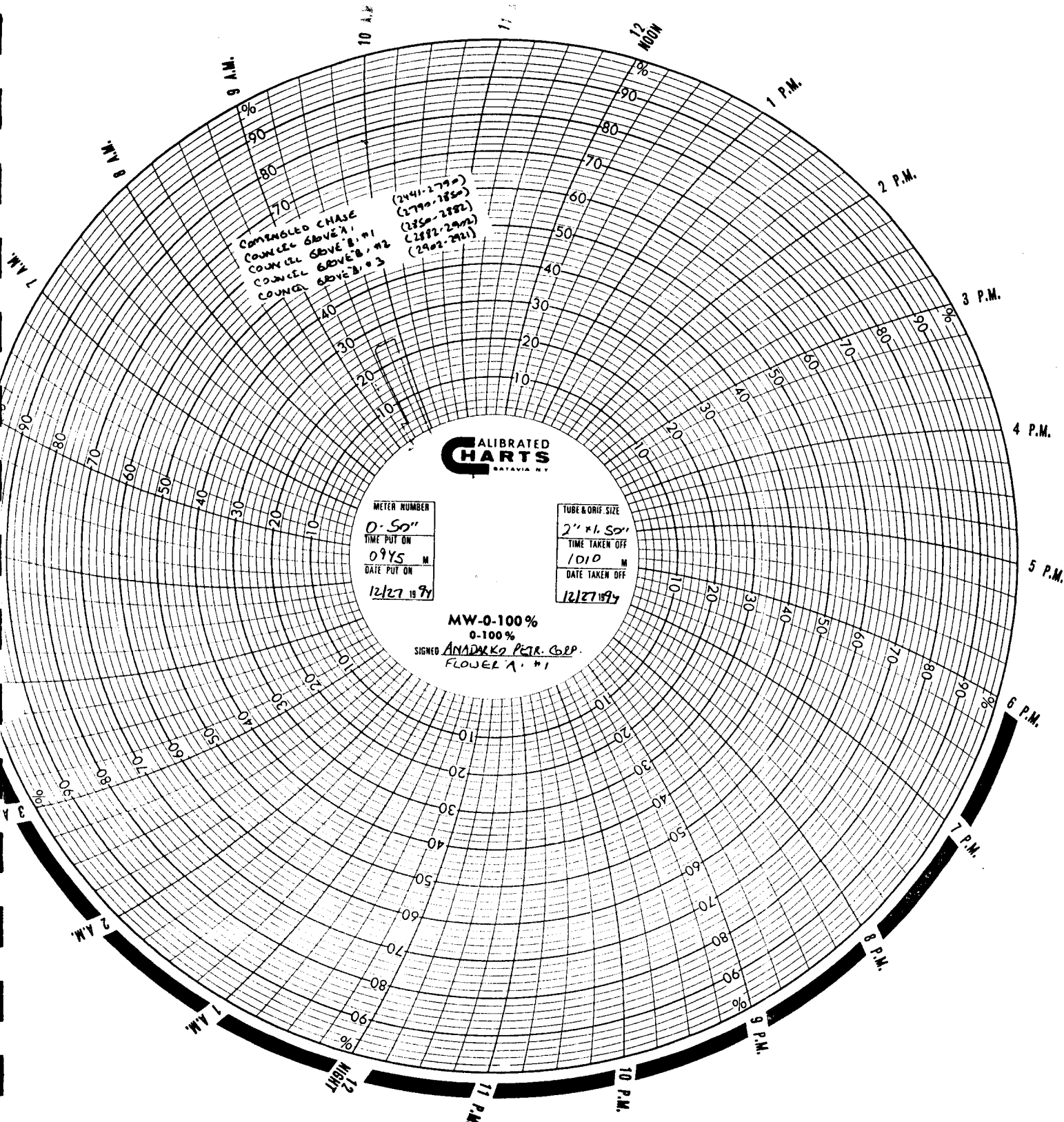
Starting date: 12/27/94
time: 18:38:00



Precision Well Testing

ANADARKO PETROLEUM CORP - FLOWER 'A' #1

DATE TIME OF READING	ELAP TIME HOURS	WELLHEAD PRESSURE DATA				MEASUREMENT DATA				LIQUIDS		TYPE TEST:	INITIAL ANNUAL	SPECIAL RETEST	ENDING DATE		
		CSG PSIG	ΔP CSG	TBG PSIG	ΔP TBG	BHP PSIG	ΔP BHP	PRESS. PSIG	DIFF.	TEMP	O MCF/D					COND. BBL	WATER BBL
12-27-94 TUESDAY	(CONTD)																
2045																	
2050																	
2055																	
2100																	
2105																	
2110																	
2115																	
2120																	
2125																	
2130																	
2137																	
2306																	
2317																	
WEDNESDAY 12-28-94																	
START OUT OF WELL WITH INSTRUMENTS.																	
INSTRUMENTS ON SURFACE.																	
POWER DOWN GRC EMS-725 INSTRUMENTS.																	
UPPER GAUGE (87011) ASCII FILE - FLOB41U																	
LOWER GAUGE (86059) ASCII FILE - FLOB41L																	
CLOSE DOWNHOLE SHUT-OFF.																	



COMENGLD CHASE
 COUNCEL GROVE A,
 COUNCEL GROVE B, #1
 COUNCEL GROVE B, #2
 COUNCEL GROVE B, #3

(2441-2792)
 (2792-1852)
 (2852-2992)
 (2992-2921)

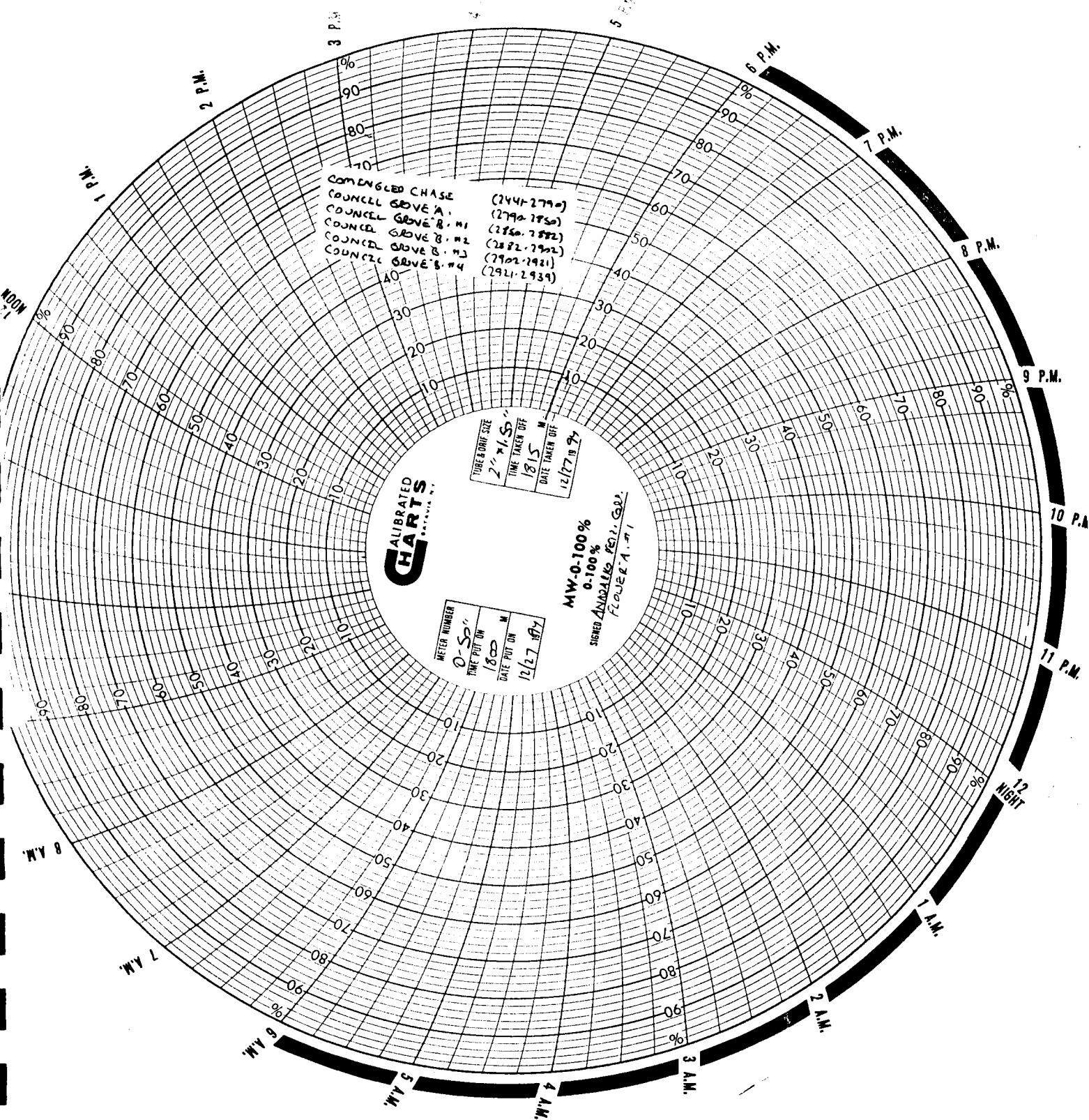
ALIBRATED
HARTS
 BATAVIA, N.Y.

METER NUMBER
 0-50"
 TIME PUT ON
 09YS M
 DATE PUT ON
 12/27 1994

TUBE & ORIF. SIZE
 2" x 1.50"
 TIME TAKEN OFF
 1010 M
 DATE TAKEN OFF
 12/27 1994

MW-0-100%
 0-100%
 SIGNED ANADAKKO Petr. Corp.
 FLOWER A, #1

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



COMINGLED CHASE
 COUNCEL GROVE A. (244-2790)
 COUNCEL GROVE B. #1 (2790-2850)
 COUNCEL GROVE B. #2 (2850-2882)
 COUNCEL GROVE B. #3 (2882-2902)
 COUNCEL GROVE B. #4 (2902-2921)
 (2921-2939)

TUBE ORIF. SIZE	2" x 1/2"
TIME TAKEN OFF	1815
DATE TAKEN OFF	12/27/94

METER NUMBER	0-50
TIME PUT ON	1800
DATE PUT ON	12/27/94

MW-0-100%
 0-100%
 SIGNED ANDREAS FELT. GUY.
 FLOWER A. #1

ALIBRATED
CHARTS
INCORPORATED

Precision Well Testing
 P. O. BOX 1843
 LIBERAL, KANSAS 67905 - 1843
 PHONE: 316-624-4505
 MOBILE: 316-524-5258 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 2435 TD SN PB GL
 TBG TO TO TO TO TO TO
 PERFS TO TO TO TO TO TO
 PROVER METER TAPS ORIFICE PCR TOR
 GG .720EST API GM RESERVOIR

DATE TIME OF READING	ELAP TIME HOURS	WELLHEAD PRESSURE DATA				MEASUREMENT DATA				LIQUIDS		TYPE TEST: ANNUAL	REMARKS PERTINENT TO TEST DATA QUALITY	SPECIAL RETEST DATE	ENDING DATE	
		CSG PSIG	Δ P CSG	TBG PSIG	Δ P TBG	BHP PSIG	Δ P BHP	PRESS. PSIG	DIFF.	TEMP	Q MCF/D					CONO. BRLS.
THURSDAY 12-27-94																
0945																
0950																
0955																
1000																
1005																
1010																
1800																
1805																
1810																
1815																
2005																
2010																
2015																
2020																
2025																
2030																
2035																
2040																
2045																

GAS VOLUMES CORRECTED TO A .720 GRAVITY.
 RUN 1 STAND DRILLPIPE IN WELL.
 INSTALL VALVE IN DRILLPIPE AT SURFACE (CLOSED).
 INSTALL 2" O.W.T. WITH 1 1/2" PLATE DIRECTLY OFF CASING
 (COMINGLED GAS FROM CHASE GROUP (2441-2790), COUNCIL GROVE 'A' (2790-2850), COUNCIL GROVE 'B' #1 (2850-2882), COUNCIL GROVE 'B' #2 (2882-2902), AND COUNCIL GROVE 'B' #3 (2902-2921)).

END FLOW. PREPARE TO RUN CORE BARREL.
 RUN 1 STAND DRILLPIPE IN WELL.
 INSTALL 2" O.W.T. WITH 1 1/2" PLATE DIRECTLY OFF CASING.
 INSTALL 2" O.W.T. WITH 1 1/2" PLATE DIRECTLY OFF CASING.
 (COMINGLED CHASE (2441-2790), COUNCIL GROVE 'A' (2790-2850), COUNCIL GROVE 'B' #1 (2850-2882), COUNCIL GROVE 'B' #2 (2882-2902), COUNCIL GROVE 'B' #3 (2902-2921), AND COUNCIL GROVE 'B' #4 (2921-2939)).

END COMINGLED FLOW TEST. PREPARE TO RUN IN WELL FOR DST. #16.
 SET PACKER. INSTALL 2" O.W.T. WITH 1 1/2" PLATE DIRECTLY OFF CASING.

(COMINGLED CHASE (2441-2790), COUNCIL GROVE 'A' (2790-2850), COUNCIL GROVE 'B' #1 (2850-2882), COUNCIL GROVE 'B' #2 (2882-2902), AND COUNCIL GROVE 'B' #3 (2902-2921)).

Precision Well Testing

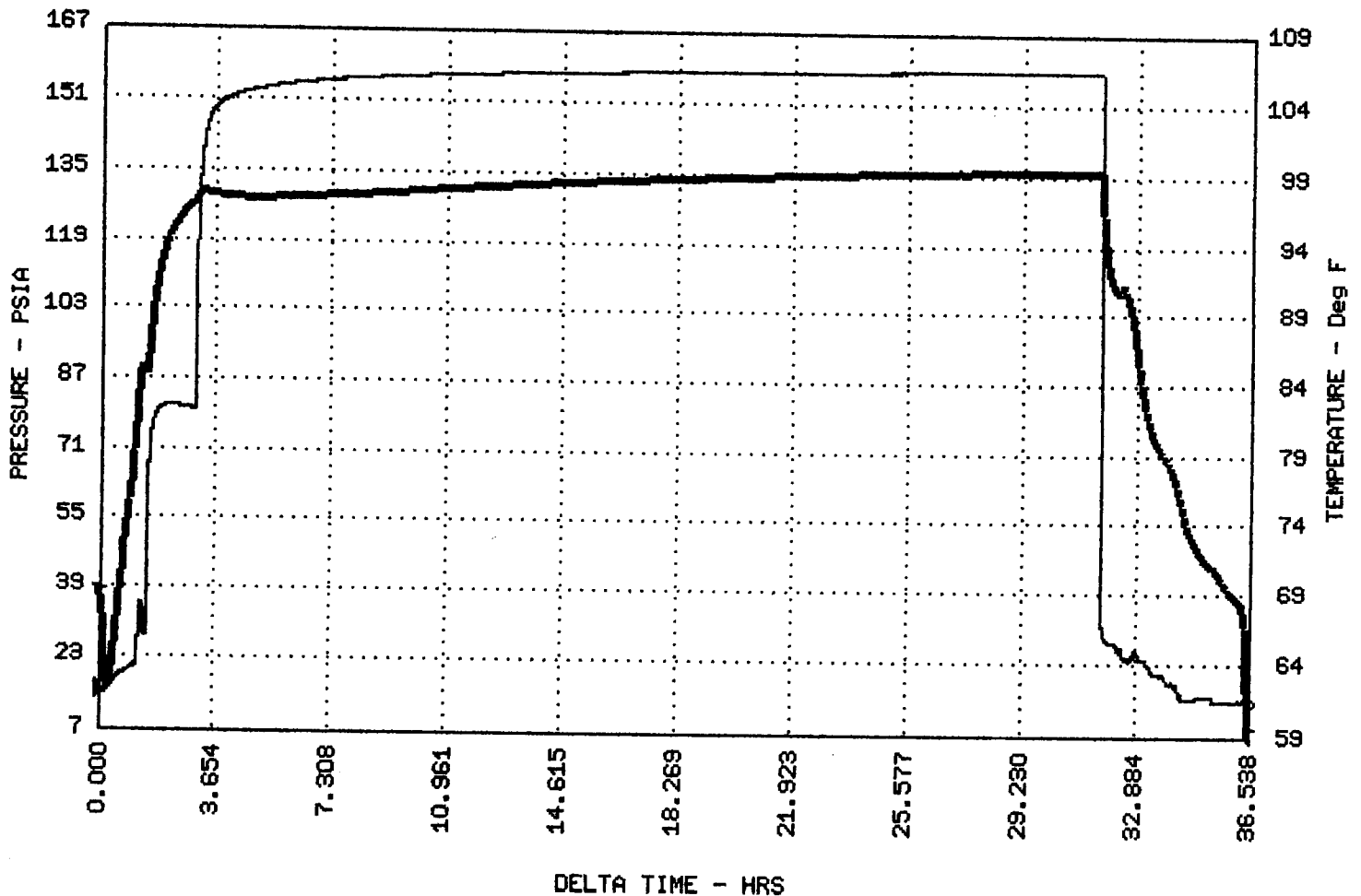
ANADARKO PETROLEUM CORP - FLOWER 'A' #1

DATE TIME OF READING	ELAP TIME HOURS	WELLHEAD PRESSURE DATA						MEASUREMENT DATA				LIQUIDS		TYPE TEST:	INITIAL ANNUAL	SPECIAL RETEST	ENDING DATE	
		CSG PSIG	ΔP CSG	TBG PSIG	ΔP TBG	BHP PSIG	ΔP BHP	PRESS. PSIG	DIFF.	TEMP	O MCF/D	COND. BBL/S	WATER BBL/S					REMARKS PERTINENT TO TEST DATA QUALITY
TUESDAY 12-27-94																		
	2050							6.0			155							
	2055							6.0			155							
	2100							6.0			155							
	2105							6.0			155							
	2110							6.0			155							
	2115							6.0			155							
	2120							5.5			149							
	2125							5.5			149							
	2130							5.0			142							
	2137																	
WEDNESDAY 12-28-94																		
	2137							36.0			382							
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: COUNCIL GROVE B-5 (2939-2958)
LOCATION: SW 25-31S-38W STEVENS CO., KS.
TEST OPERATOR: HELM
COMMENTS: UPPER GAUGE SET AT 2953'.

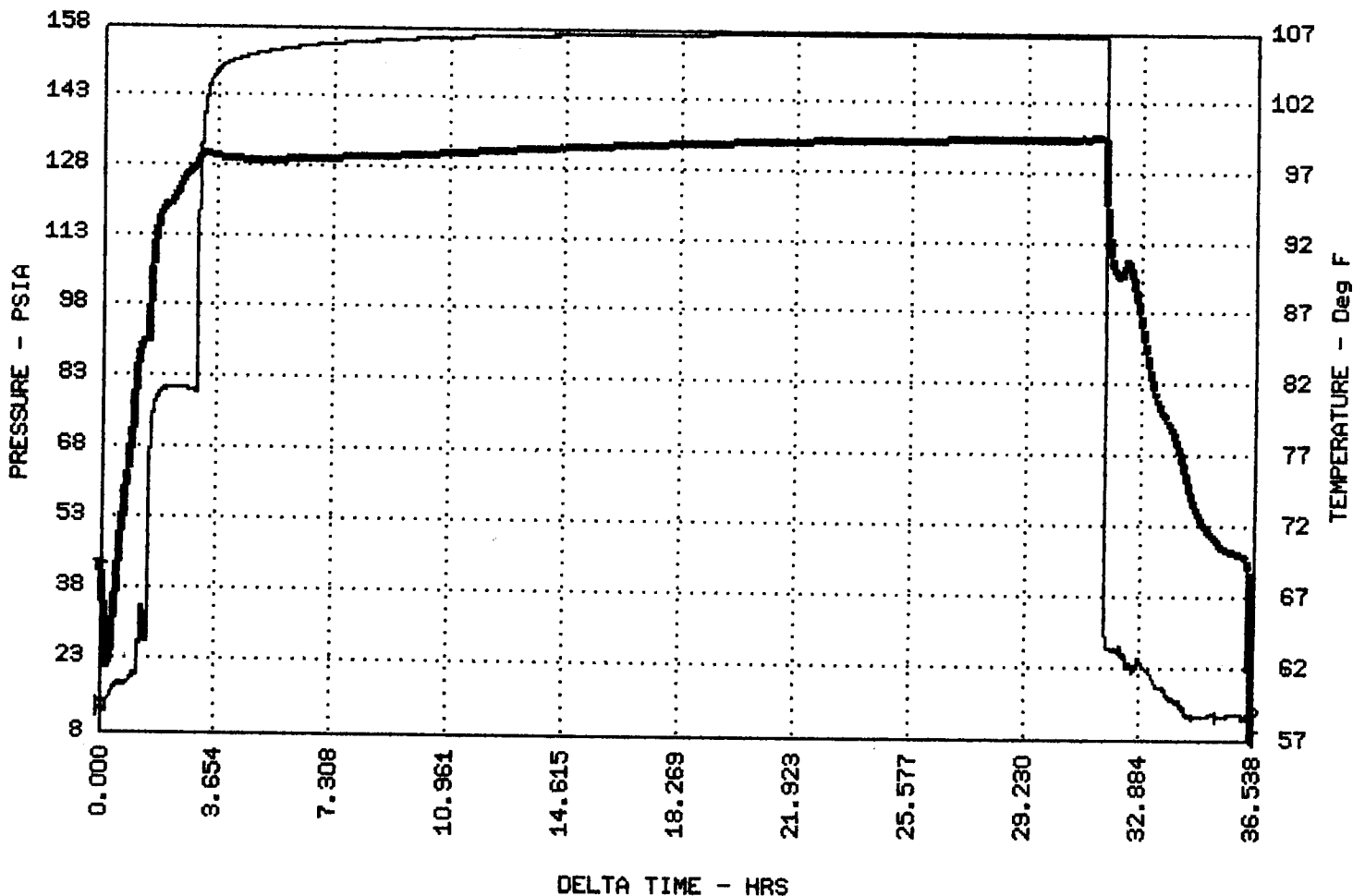
Starting date: 12/29/94
time: 09:39:00

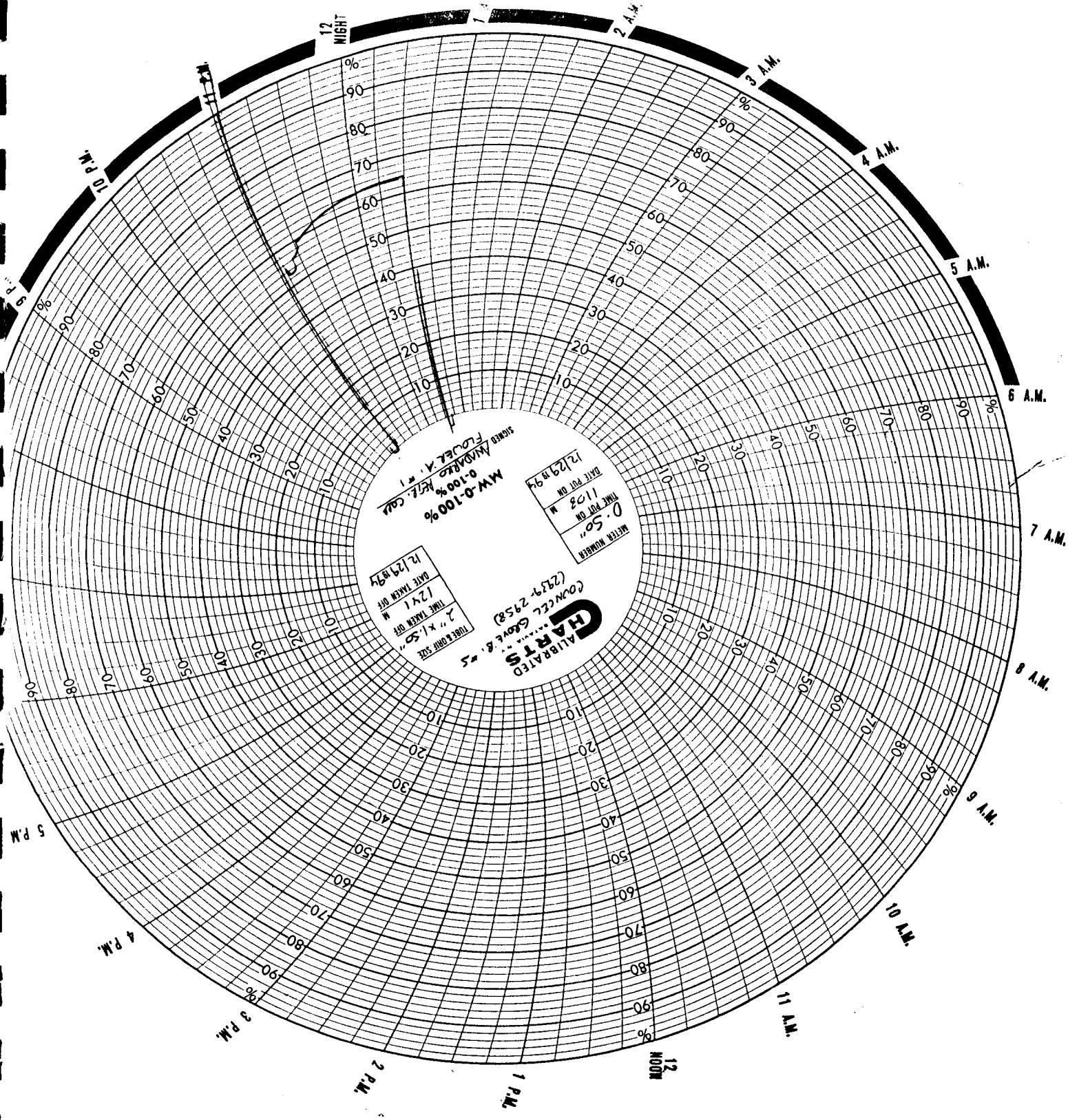


EMR-710 WELL TEST DATA

COMPANY: PRECISION WELL TESTING
CLIENT: ANADARKO PETROLEUM CORP.
GAUGE NUMBER: 86059
WELL NAME: FLOWER 'A'
WELL NUMBER: 1
TEST NUMBER: COUNCIL GROVE B-5 (2939-2958)
LOCATION: SW 25-31S-38W STEVENS CO., KS.
TEST OPERATOR: HELM
COMMENTS: LOWER GAUGE SET AT 2957'.

Starting date: 12/29/94
time: 09:39:00





SIGNED AND APPROVED

 0-100% REL. HUM.
 MW-0.100%

DATE TAKEN ON
 12/29/94
 TIME TAKEN ON
 11:28 M
 0.50"
 WET BULB THERM

DATE TAKEN ON
 12/29/94
 TIME TAKEN ON
 12:41 M
 0.50"
 WET BULB THERM

CALIBRATED CHARTS
 (2837-2958)
 CONECLL GLOVE & S

10 P.M.

12 NIGHT

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 SW 25-31S-38W
 COUNTY STEVENS STATE KS

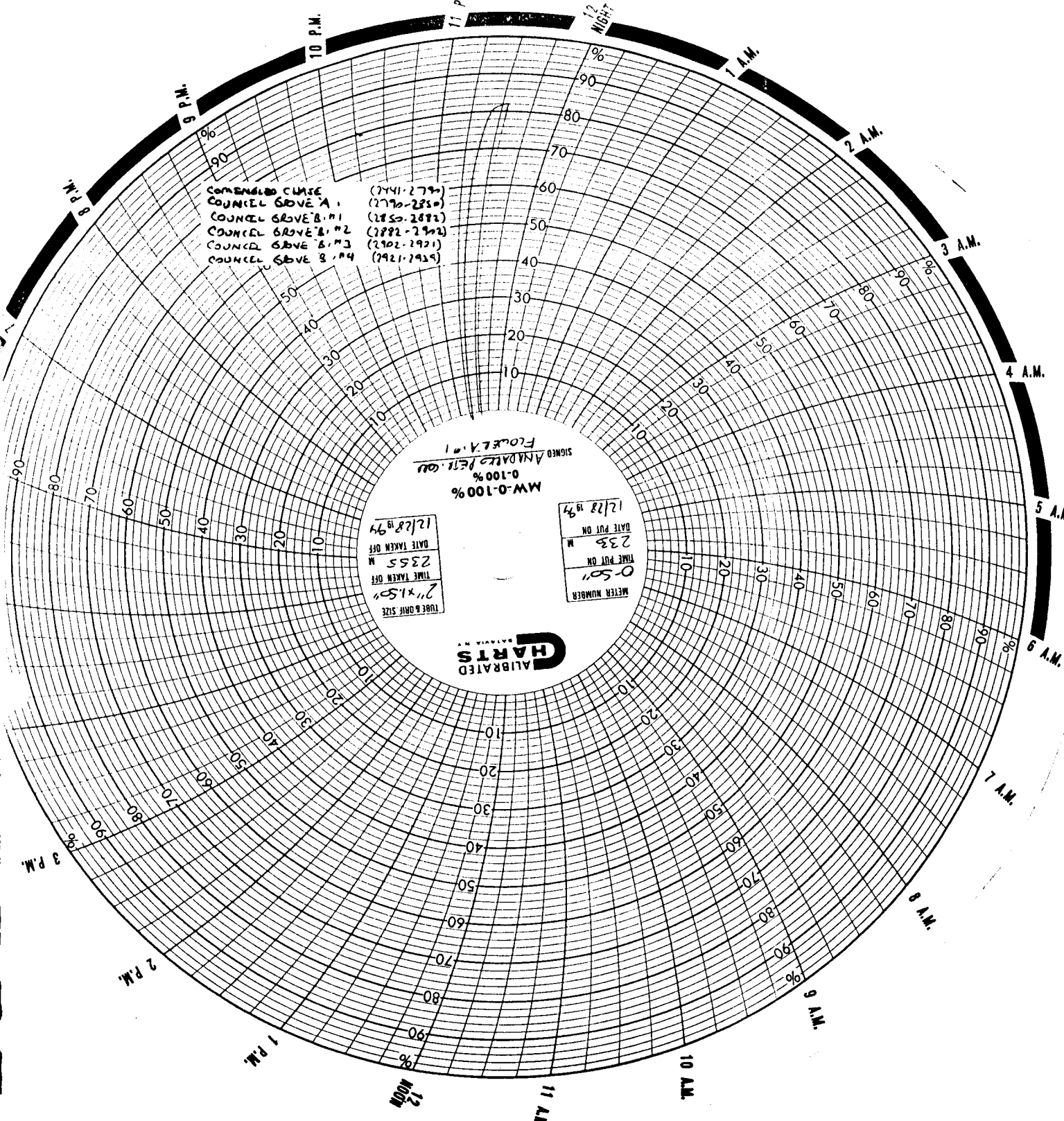
CSG 8 5/8 WT 24.0 SET @ 2435 TD _____ PB _____ GL _____
 TBG 2939 WT _____ SET @ _____ SN _____ PKR _____ KB _____
 PERFS. 2939 TO 2958 TO _____ TO _____ TO _____
 PROVER API METER _____ TAPS _____ ORIFICE _____ POR _____ TOR _____
 GG .829 API _____ GM _____ RESERVOIR COUNCIL GROVE 'B'
 #5

DATE TIME OF READING	ELAP TIME HOURS	WELLHEAD PRESSURE DATA				MEASUREMENT DATA			LIQUIDS		TYPE TEST:	INITIAL ANNUAL	SPECIAL RETEST	REMARKS PERTINENT TO TEST DATA QUALITY	ENDING DATE
		CSG PSIG	Δ P CSG	TBG PSIG	Δ P TBG	BHP PSIG	Δ P BHP	PRESS. PSIG	DIFF.	TEMP					
THURSDAY 12-29-94															
0015															
0130															
0230															
0325															
0525															
0705															
0939															
0944															
1104															
1108															
1108															
1113															
1118															
1123															
1128															
1133															
1138															
1143															

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

START IN WELL WITH CORE BARREL.
 CORE BARREL ON BOTTOM.
 START CORING.
 FINISH CORING COUNCIL GROVE 'B' #5 (2929-2958).
 START OUT OF WELL WITH CORE BARREL.
 CORE BARREL ON SURFACE.
 POWER UP GRC EMS-725 INSTRUMENTS.
 START IN WELL WITH INSTRUMENTS.
 INSTRUMENT ON BOTTOM.
 BOTTOM OF TOP PACKER - 2940'
 BOTTOM OF BOTTOM PACKER - 2948'
 BOTTOM OF TOP GAUGE - 2953'
 BOTTOM OF LOWER GAUGE - 2957'
 SET PACKER.

GAS VOLUMES CORRECTED TO A .829 GRAVITY.
 GAS TO SURFACE.



COMBINED COOLING (741-279)
 COUNCIL GROVE A (279-285)
 COUNCIL GROVE B #1 (285-288)
 COUNCIL GROVE B #2 (288-292)
 COUNCIL GROVE B #3 (292-292)
 COUNCIL GROVE B #4 (292-292)

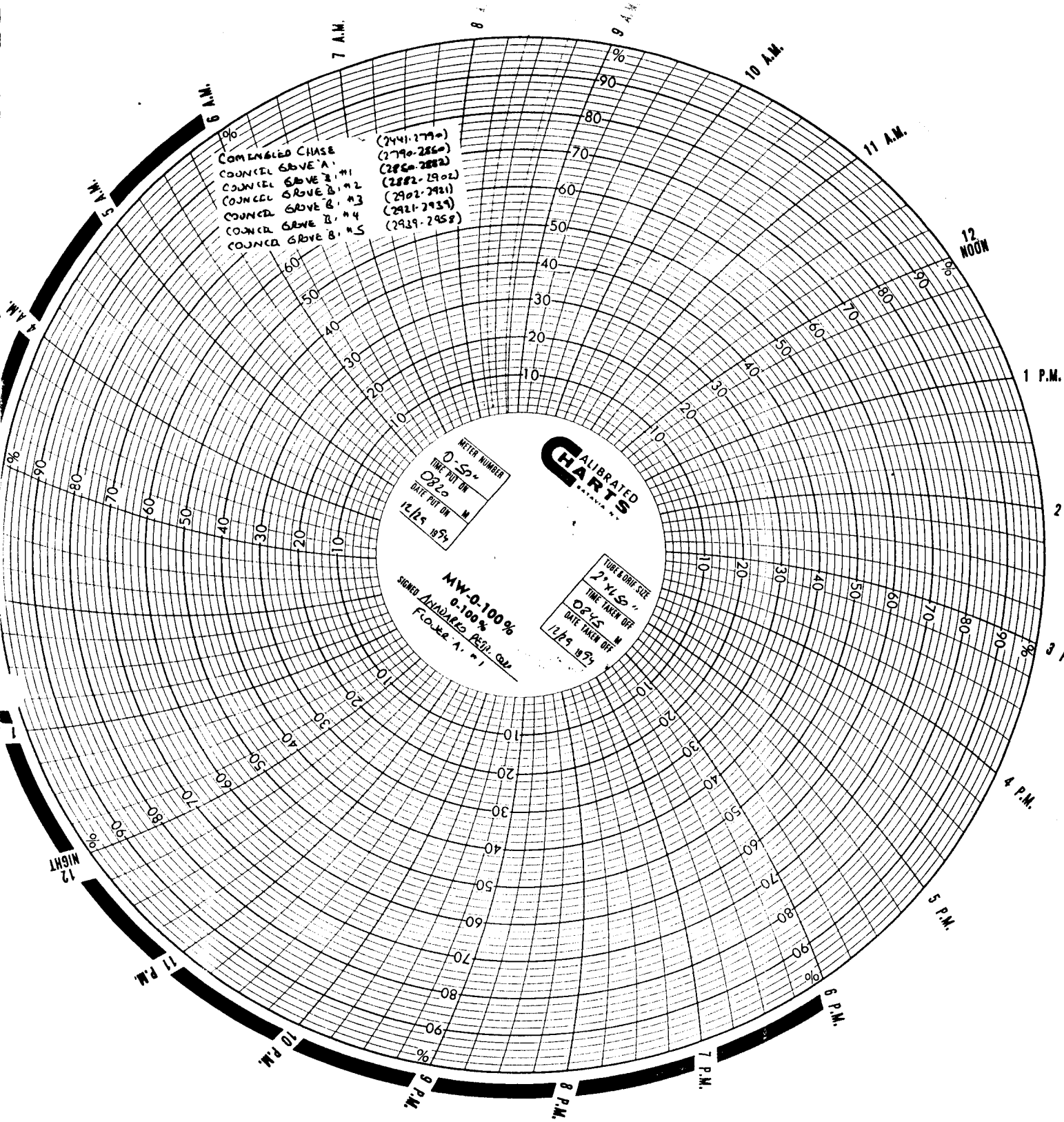
SIGNED AND DATED PER
 MW-0-100%
 0-100%
 FLOW 1.01

TUBE & ORIF. SIZE 2" x 1.5"
 TIME TAKEN OFF 2355 M
 DATE TAKEN OFF 12/28/99

METER NUMBER 0-501
 TIME PUT ON 233 M
 DATE PUT ON 12/28/99

CHARTS
 CALIBRATED
 MADE IN U.S.A.

9 P.M. 10 P.M. 11 P. 12 MIGHT 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.



COMPLETED CHASE
 COUNCEL GROVE A. #1 (2741-2790)
 COUNCEL GROVE B. #2 (2790-2860)
 COUNCEL GROVE B. #3 (2860-2882)
 COUNCEL GROVE B. #4 (2882-2902)
 COUNCEL GROVE B. #5 (2902-2921)
 COUNCEL GROVE B. #6 (2921-2939)
 COUNCEL GROVE B. #7 (2939-2958)

WATER NUMBER
 0-50
 TIME TAKEN OFF
 08:20
 DATE TAKEN OFF
 12/15 1974

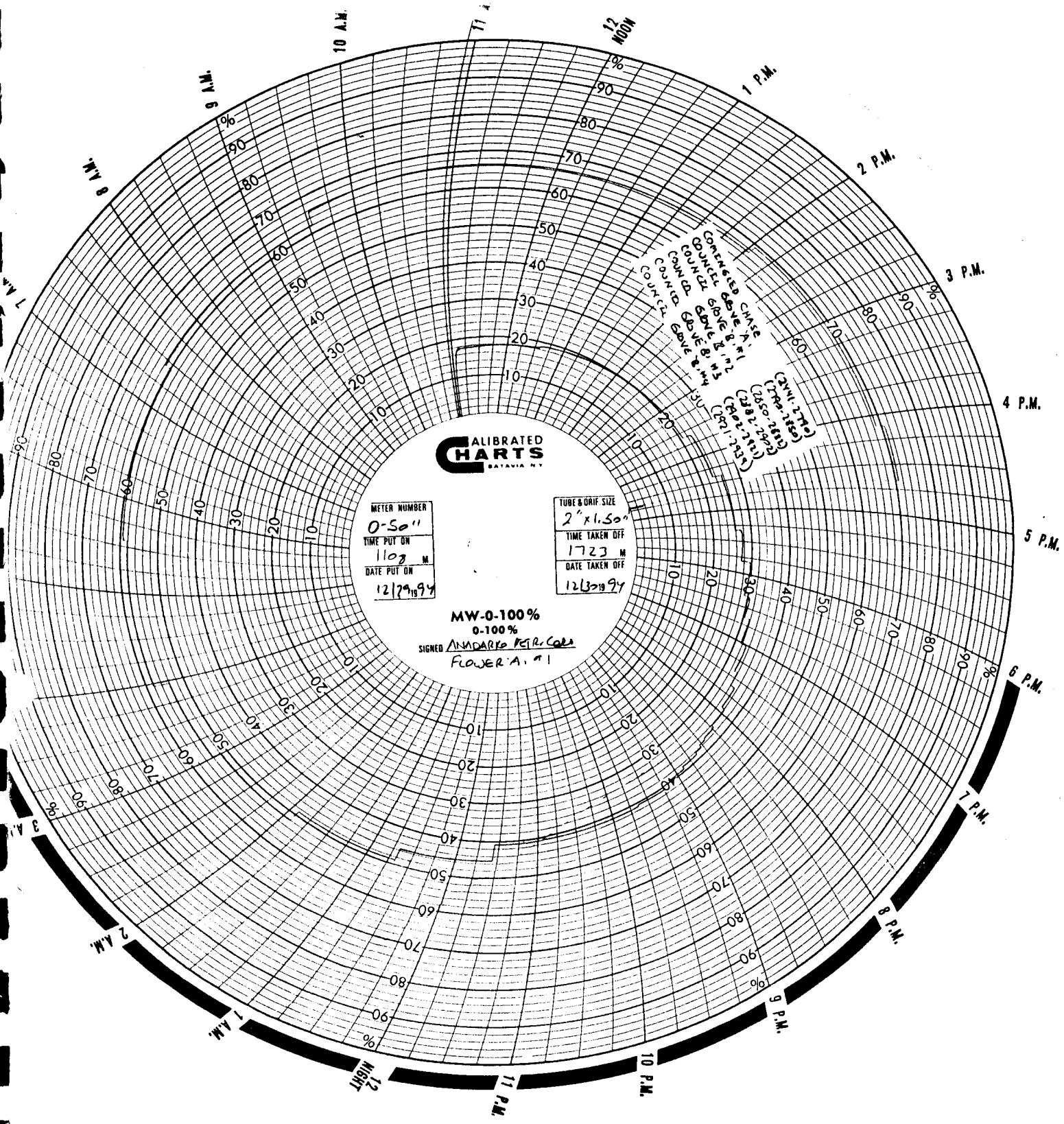
**CALIBRATED
 CHARTS**

SIGNED *James R. Smith*
 MW-0-100%
 0-100%
 FLOWE A. #1

TUBE & DRIP SIZE
 2" XL 50"
 TIME TAKEN OFF
 08:15
 DATE TAKEN OFF
 12/15 1974

12 NIGHT
 11 P.M.
 10 P.M.
 9 P.M.
 8 P.M.
 7 P.M.
 6 A.M.
 5 A.M.
 4 A.M.
 3 A.M.
 2 A.M.
 1 A.M.
 12 NOON

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 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 SW 25-31S-38W
 COUNTY STEVENS STATE KS

CSG 8 5/8 WT 24.0 SET 2435 TO PB PKR KB
 TBG TO SN TO PKR TO
 PERFS TO TO PKR TO
 PROVER METER TAPS ORIFICE PCR TCR
 GG .730 API GM RESERVOIR

DATE TIME OF READING	ELAP TIME HOURS	WELLHEAD PRESSURE DATA				MEASUREMENT DATA			LIQUIDS		TYPE TEST:	INITIAL ANNUAL REMARKS PERTINENT TO TEST DATA QUALITY	SPECIAL RETEST DATE	ENDING DATE			
		CSG PSIG	Δ P CSG	TBG PSIG	Δ P TBG	BHP PSIG	Δ P BHP	PRESS. PSIG	DIFF.	TEMP					O MCFD	COND. BRLS.	WATER BRLS.
WEDNESDAY 12-28-94																	
2330																	
2335																	
2340																	
2345																	
2350																	
2355																	
THURSDAY 12-29-94																	
0820																	
0825																	
0830																	
0835																	
0840																	
0845																	
1108																	
1113																	
1118																	
1123																	
1128																	

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 CHASE GROUP (2441-2790), COUNCIL GROVE 'A' (2790-2850), COUNCIL GROVE 'B' #1 (2850-2882), COUNCIL GROVE 'B' #2 (2882-2902), COUNCIL GROVE 'B' #3 (2902-2921), AND COUNCIL GROVE 'B' #4 (2921-2939)).

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 CHASE (2441-2790), COUNCIL GROVE 'A' (2790-2850), COUNCIL GROVE 'B' #1 (2850-2882), COUNCIL GROVE 'B' #2 (2882-2902), COUNCIL GROVE 'B' #3 (2902-2921), AND COUNCIL GROVE 'B' #4 (2921-2939)).

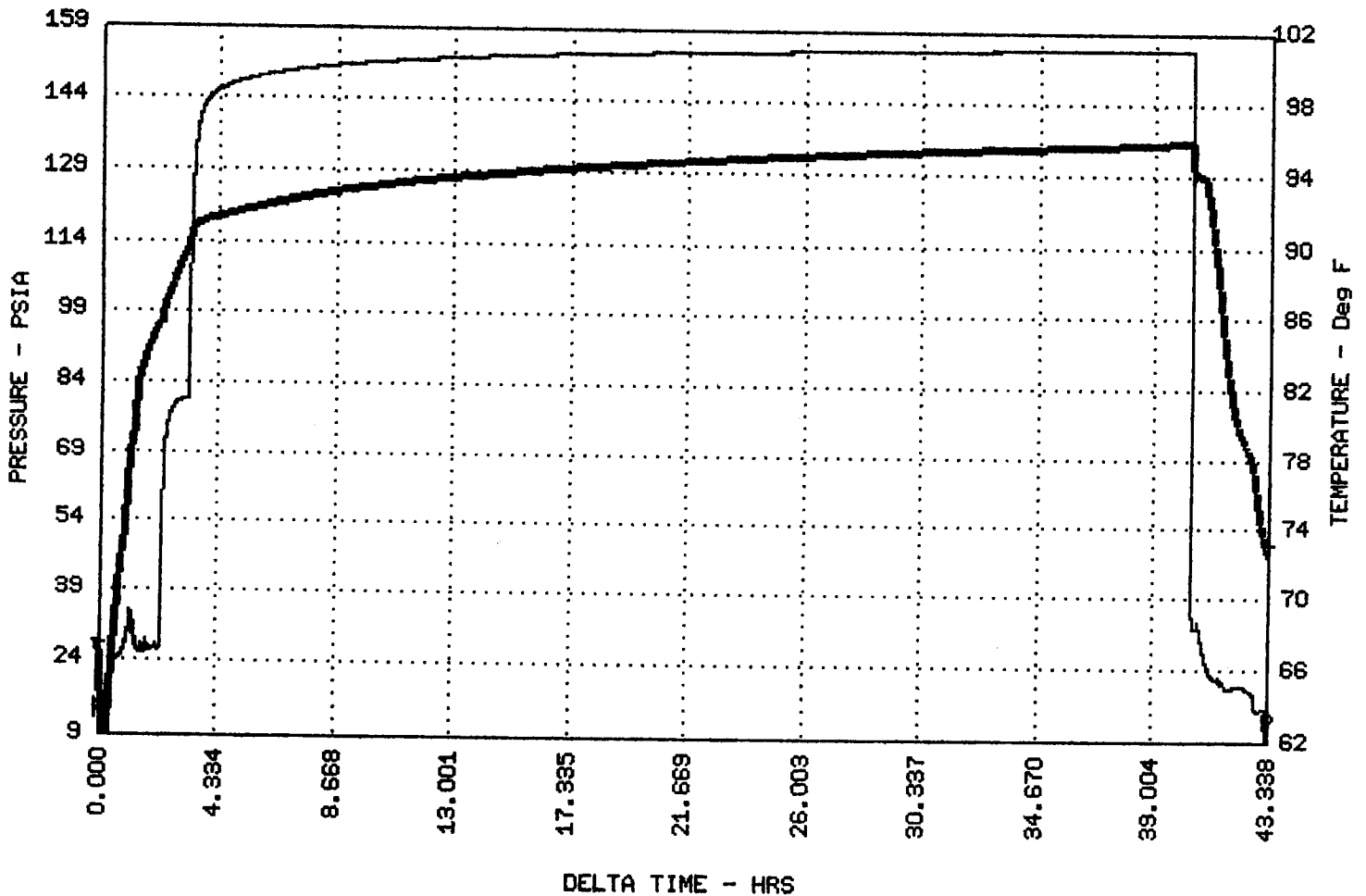
END COMINGLED FLOW TEST. PREPARE TO RUN IN WELL FOR DST. #17.
 SET PACKER. INSTALL 2" O.W.T. WITH 1 1/2" PLATE DIRECTLY

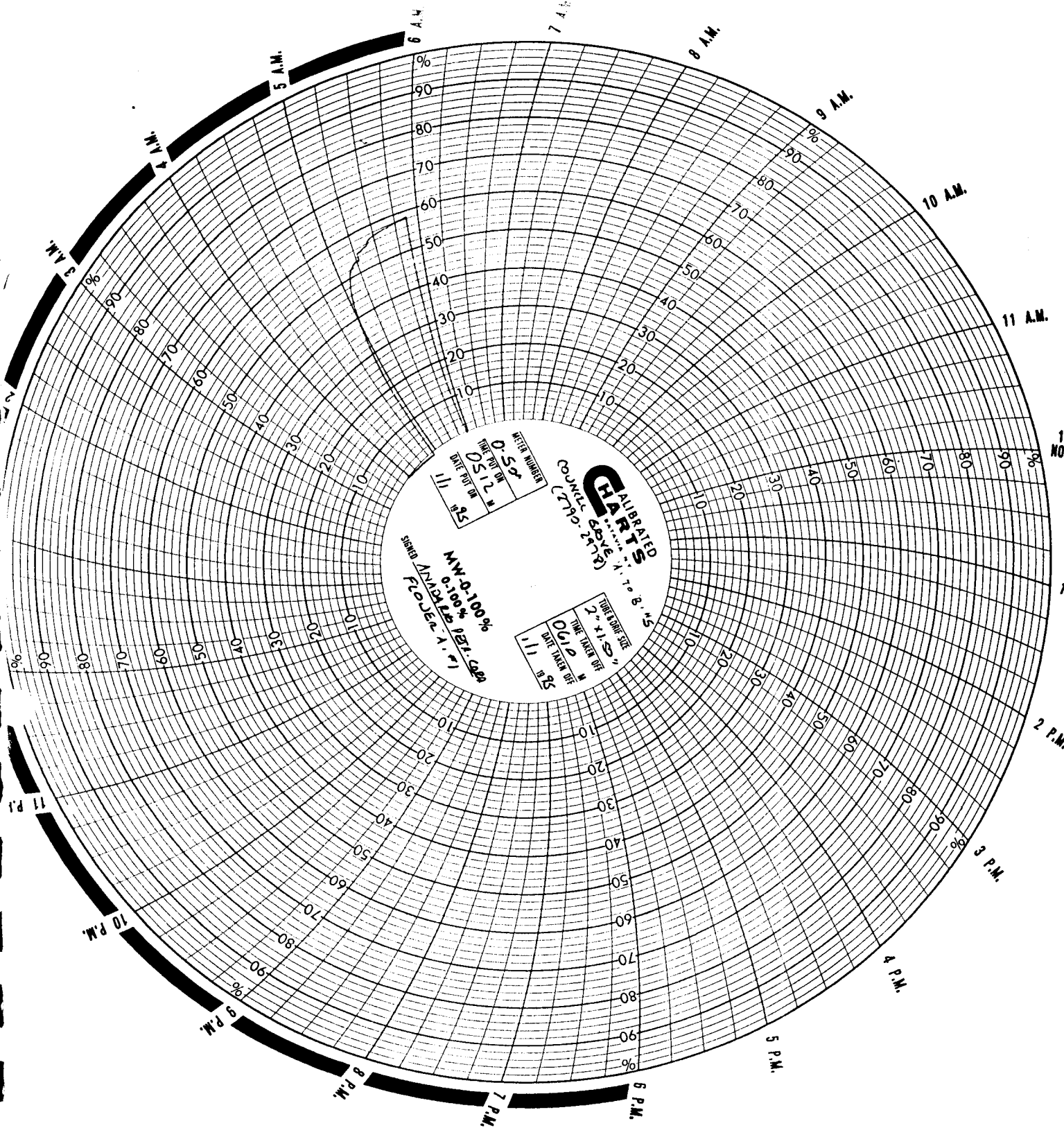
OFF CASING.
 (COMINGLED CHASE (2441-2790), COUNCIL GROVE 'A' (2790-2850), COUNCIL GROVE 'B' #1 (2850-2882), COUNCIL GROVE 'B' #2 (2882-2902), COUNCIL GROVE 'B' #3 (2902-2921), AND COUNCIL GROVE 'B' #4 (2921-2939)).

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: COUNCIL GROVE (2790-2978)
LOCATION: SW 25-31S-38W STEVENS CO., KS.
TEST OPERATOR: HELM
COMMENTS: UPPER GAUGE SET AT 2812'.

Starting date: 01/01/95
time: 02:53:00





METER NUMBER
059
TIME PUT ON
0512
DATE PUT ON
11 28

CALIBRATED
CHARTS
COUNCIL BLUFFS
(615) 672-2122
K. T. & S. K.

Standard
MW-0-100%
0-100%
FLO-JET 1.1

TUBE ORIF. SIZE
2 x 1/2
TIME TAKEN OFF
0610
DATE TAKEN OFF
11 28

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

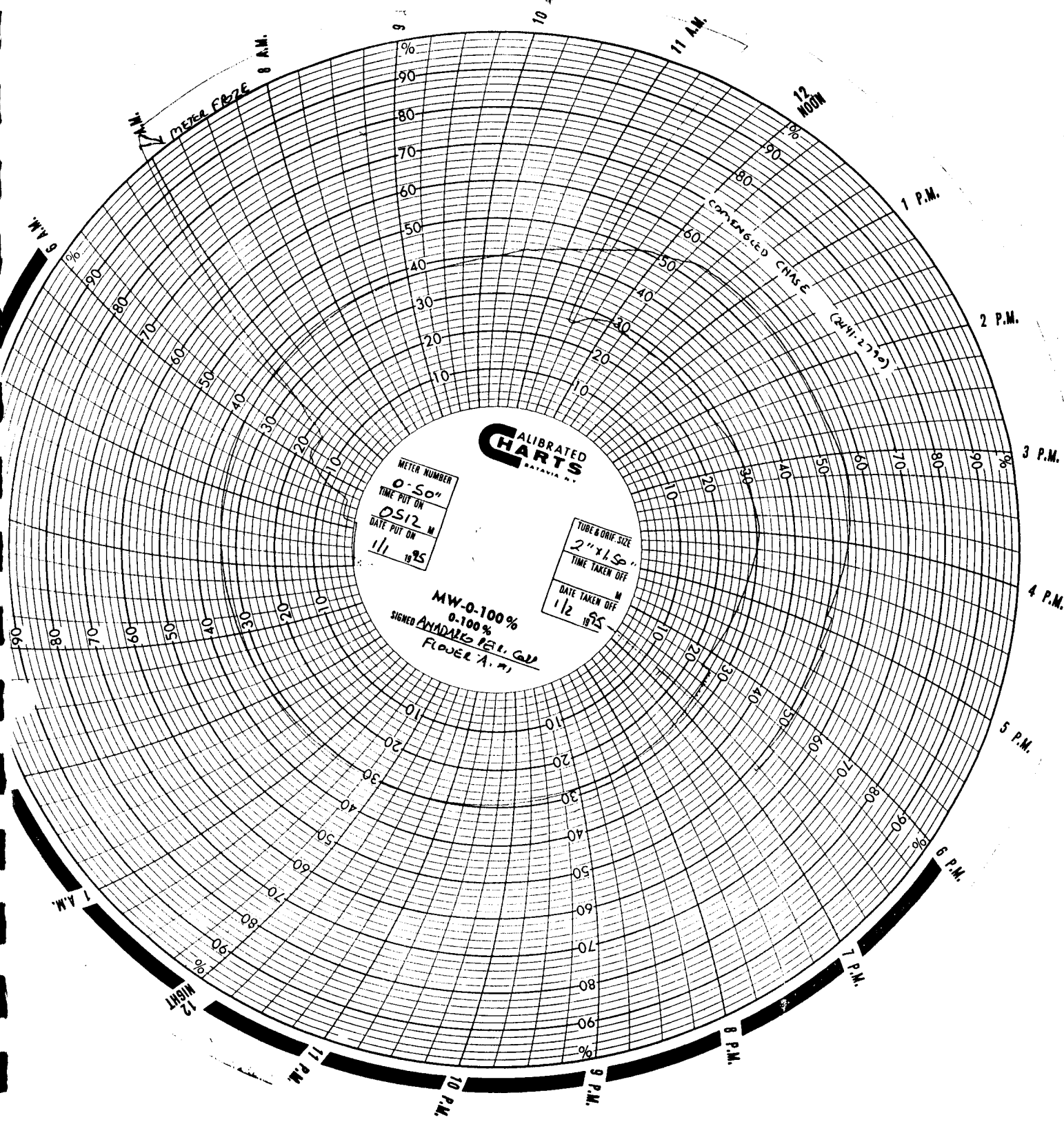
CSG 8 5/8 WT 24.0 SET 2435 TD _____ PB _____ GL _____
 TBG _____ WT _____ SET _____ SN _____ PKR _____ KB _____
 PERFS 2790 TO 2979 _____ TO _____
 PROVER _____ METER _____ TAPS _____ ORIFICE _____ POR _____ TCR _____
 GG .843 API _____ GM _____ RESERVOIR COUNCIL GROVE

DATE TIME OF READING	ELAP TIME HOURS	WELLHEAD PRESSURE DATA				MEASUREMENT DATA				LIQUIDS COND. WATER BBL'S	TYPE TEST	INITIAL	SPECIAL RETEST	ENDING DATE	
		CSG PSIG	Δ P CSG	TBG PSIG	Δ P TBG	BHP PSIG	Δ P BHP	PRESS. PSIG	DIFF.						TEMP
SUNDAY 1-1-95															
0253															
0258															
0509															
0512															
0512															
0517															
0522															
0527															
0532															
0537															
0542															
0547															
0552															
0557															
0602															
0607															
0610															

GAS VOLUMES CORRECTED TO A .843 GRAVITY.

GAS TO SURFACE.

H₂S = 400 PPM CLOSE DOWNHOLE SHUT-OFF.



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 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 _____

DATE TIME OF READING	ELAP TIME HOURS	WELLHEAD PRESSURE DATA				MEASUREMENT DATA				LIQUIDS		TYPE TEST: _____ REMARKS PERTINENT TO TEST DATA QUALITY	INITIAL _____ ANNUAL _____ RETEST _____ DATE <u>1-2-95</u>		
		CSG PSIG	Δ P CSG	TBG PSIG	Δ P TBG	BHP PSIG	Δ P BHP	PRESS. PSIG	DIFF.	TEMP	O MCFD			COND. WATER BBL/S	
SUNDAY 1-1-95															
0512															
0517															
0522															
0527															
0532															
0537															
0542															
0547															
0552															
0557															
0602															
0607															
0610															
MONDAY 1-2-95															
1916															

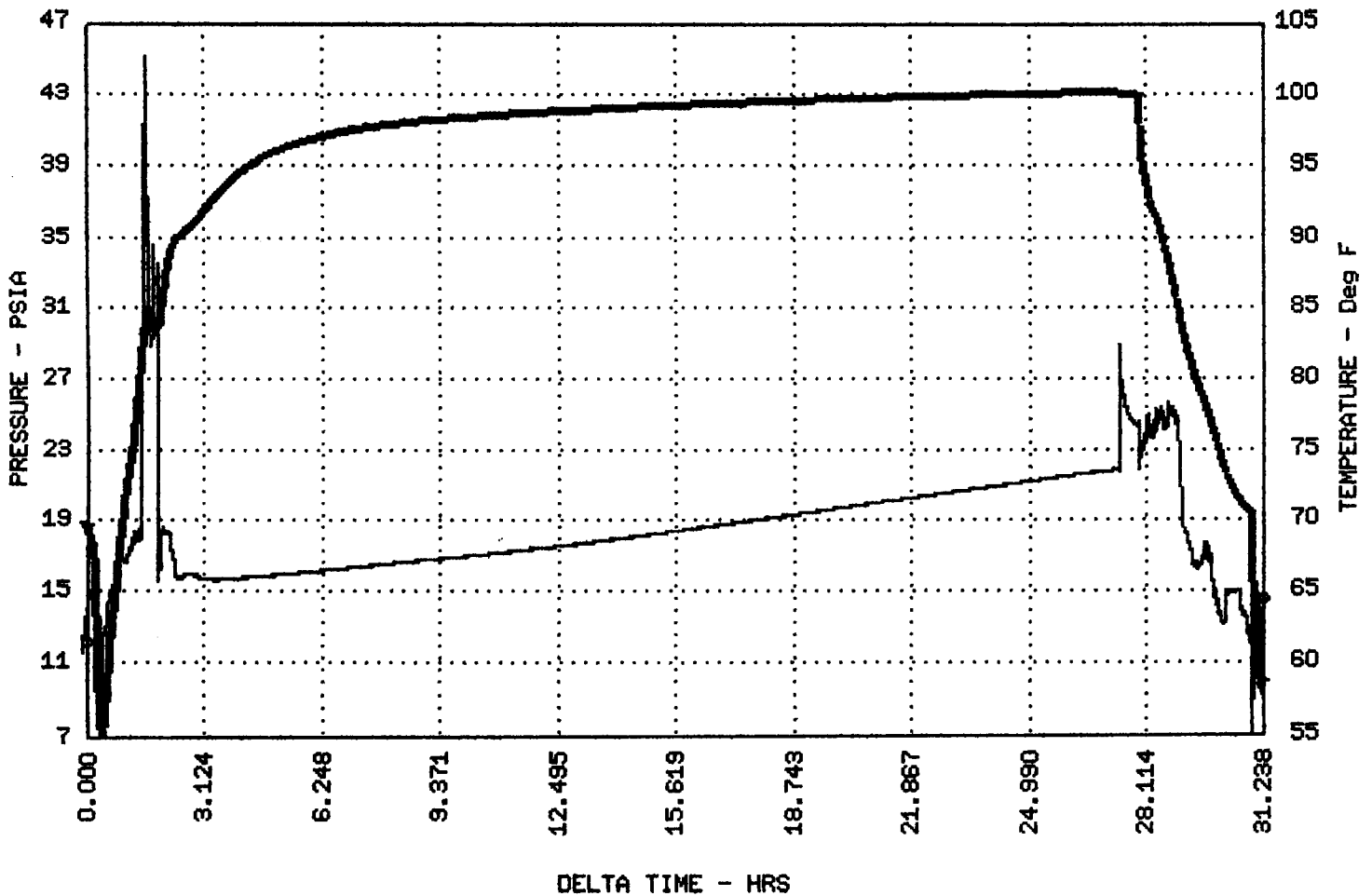
RELEASE PACKER. START OUT OF WELL WITH INSTRUMENTS

GAS VOLUMES CORRECTED TO A .720 GRAVITY.
 SET PACKER. INSTALL 2" O.W.T. WITH 1 1/2" PLATE DIRECTLY
 OFF CASTING.
 (COMINGLED CHASE (2441-2790)).

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: COUNCIL GROVE C-1 (2978-3005)
LOCATION: SW 25-31S-38W STEVENS CO., KS.
TEST OPERATOR: HELM
COMMENTS: LOWER GAUGE SET AT 2997'.

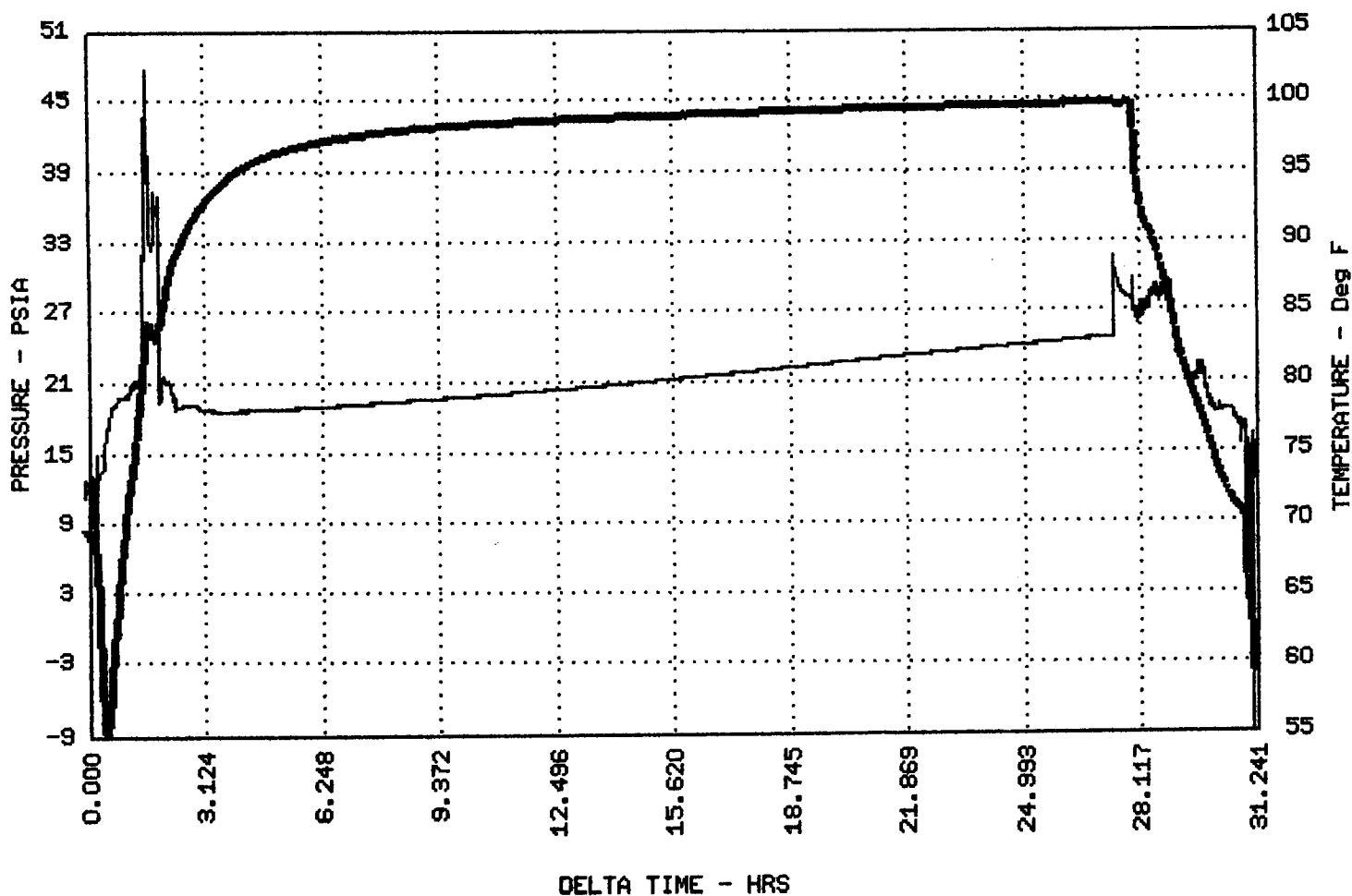
Starting date: 01/03/95
time: 11:21:00

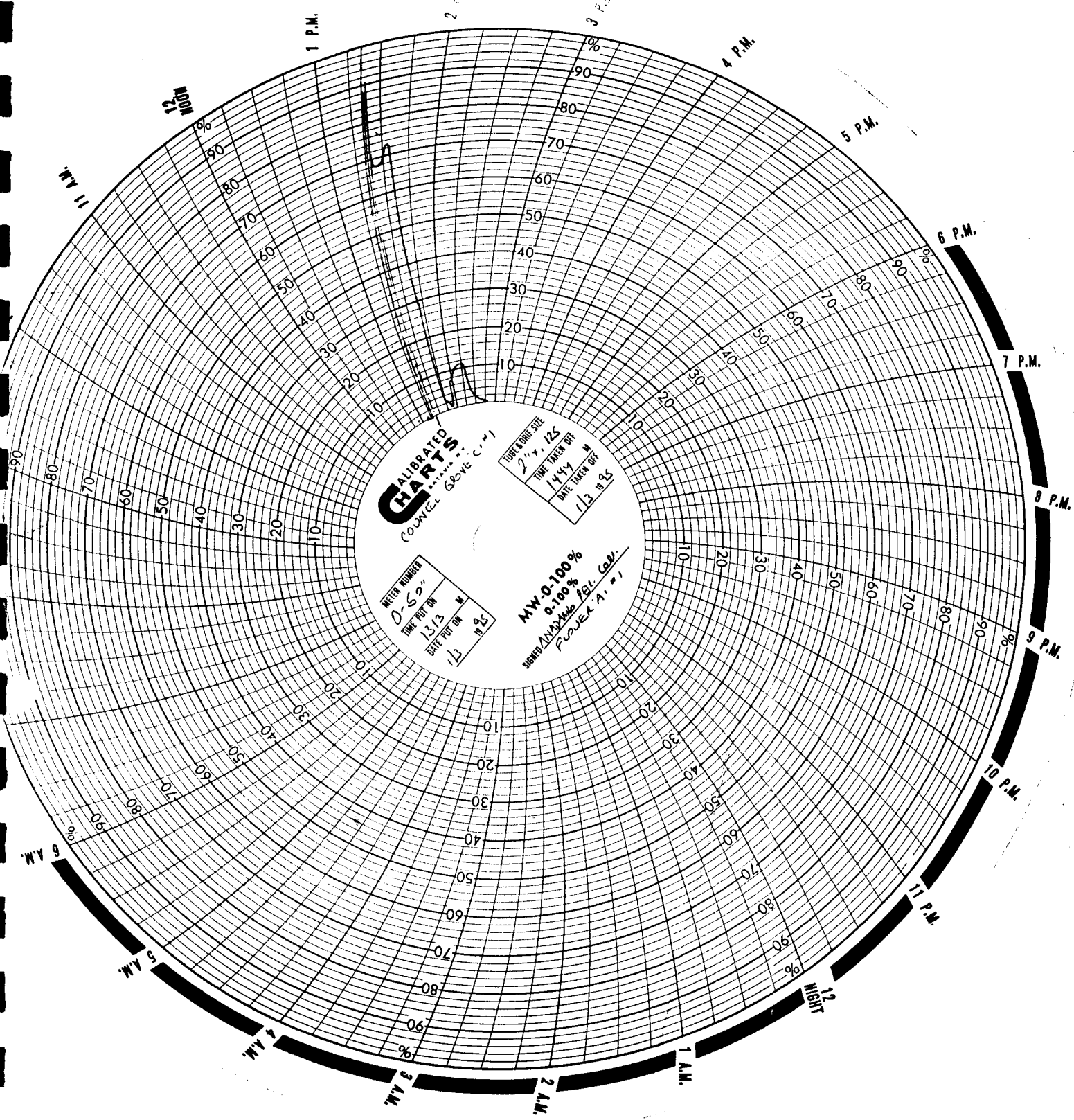


EMR-710 WELL TEST DATA

COMPANY: PRECISION WELL TESTING
CLIENT: ANADARKO PETROLEUM CORP.
GAUGE NUMBER: 87011
WELL NAME: FLOWER 'A'
WELL NUMBER: 1
TEST NUMBER: COUNCIL GROVE C-1 (2978-3005)
LOCATION: SW 25-31S-38W STEVENS CO., KS.
TEST OPERATOR: HELM
COMMENTS: UPPER GAUGE SET AT 2993'.

Starting date: 01/03/95
time: 11:21:00





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.

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 SM 25-31S-38W
 COUNTY STEVENS STATE KS

CGG 8 5/8 WT 24.0 SET 2435 TD SN PKR GL
 TBG TO SET TO TO TO TO
 PERFS TO TO TO TO TO TO
 PROVER METER TAPS ORIFICE PCR TCR
 GG .720BEST API GM RESERVOIR COUNCIL GROVE 'C'
 #1

DATE TIME OF READING	ELAP TIME HOURS	WELLHEAD PRESSURE DATA						MEASUREMENT DATA			LIQUIDS		TYPE TEST: INITIAL RETEST: _____ REMARKS PERTINENT TO TEST DATA QUALITY	SPECIAL DATE	ENDING DATE		
		CSG PSIG	Δ P CSG	TBG PSIG	Δ P TBG	BHP PSIG	Δ P BHP	PRESS. PSIG	DIFF.	TEMP	O MCFD	COND. BBL/S				WATER BBL/S	
MONDAY 1-2-95																	
2340																	
TUESDAY 1-3-94																	
0240																	
0430																	
0530																	
0725																	
0850																	
1121																	
1137																	
1309																	
1313																	
1318																	
1323																	
1328																	
1333																	
1338																	

START FLOW PERIOD WITH 2" O.M.T. AND 1/8" PLATE.

START IN WELL WITH CORE BARREL.

CORE BARREL ON BOTTOM.

START CORING.

FINISH CORING COUNCIL GROVE 'C' #1 (2978-3005).

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 - 2978'

BOTTOM OF BOTTOM PACKER - 2986'

BOTTOM OF TOP GAUGE - 2993'

BOTTOM OF LOWER GAUGE - 2997'

SET PACKER.

ADJUSTING DRILLSTEM STRING.

Precision Well Testing

ANADARKO PETROLEUM CORP - FLOWER 'A' #1

DATE TIME OF READING	ELAP TIME HOURS	WELLHEAD PRESSURE DATA						MEASUREMENT DATA				LIQUIDS		TYPE TEST:	INITIAL ANNUAL	SPECIAL RETEST	REMARKS PERTINENT TO TEST DATA QUALITY	ENDING DATE	
		CSG PSIG	ΔP CSG	TBG PSIG	ΔP TBG	BHP PSIG	ΔP BHP	PRESS. PSIG	DIFF.	TEMP	O MCFD	COND. BBL/S	WATER BBL/S						
TUESDAY 1-3-94	(CONTD)																		
1343										36.0			2.88						
1348										36.0			2.88						
1353										1.0			.48						
1358										4.0			.96						
1403										4.0			.96						
1408										5.0			1.07						
1413										5.5			1.13						
1428										5.5			1.13						
1423										4.0			.96						
1428										3.5			.91						
1433										2.0			.68						
1438										1.0			.48						
1444										1.0			.48						
WEDNESDAY 1-4-94																			
START OUT OF WELL WITH INSTRUMENTS.																			
INSTRUMENTS ON SURFACE.																			
POWER DOWN GRC EMS-725 INSTRUMENTS.																			
UPPER GAUGE (87011) ASCII FILE - FLOC11U																			
LOWER GAUGE (86059) ASCII FILE - FLOC11L																			



COMINGLED CHASE
 COUNCIL ABOVE A1
 COUNCIL ABOVE B1
 COUNCIL ABOVE B2
 COUNCIL ABOVE B3
 COUNCIL ABOVE B4
 COUNCIL ABOVE B5

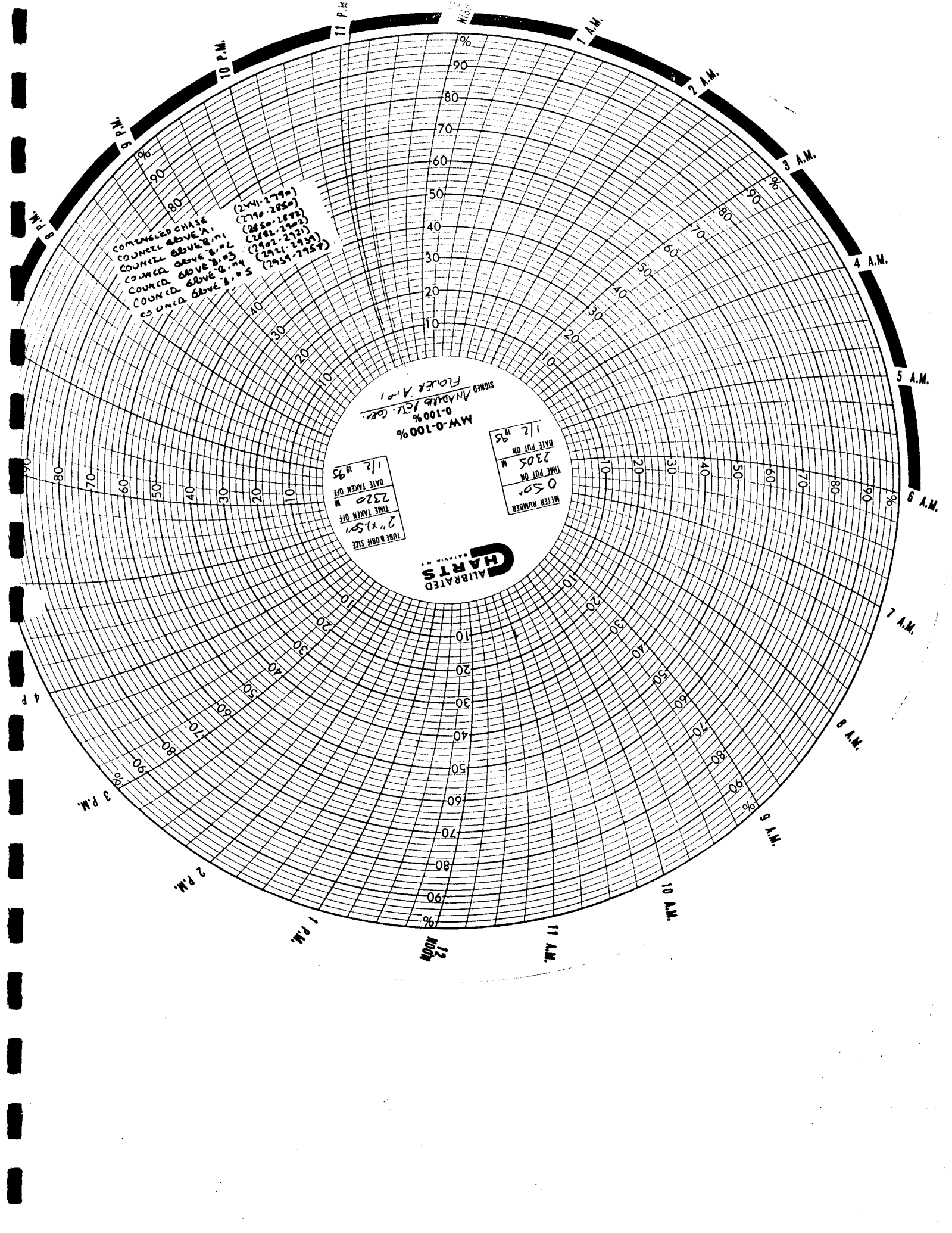
(2741-1790)
 (2790-2850)
 (2850-2892)
 (2892-2922)
 (2922-2954)
 (2954-2994)

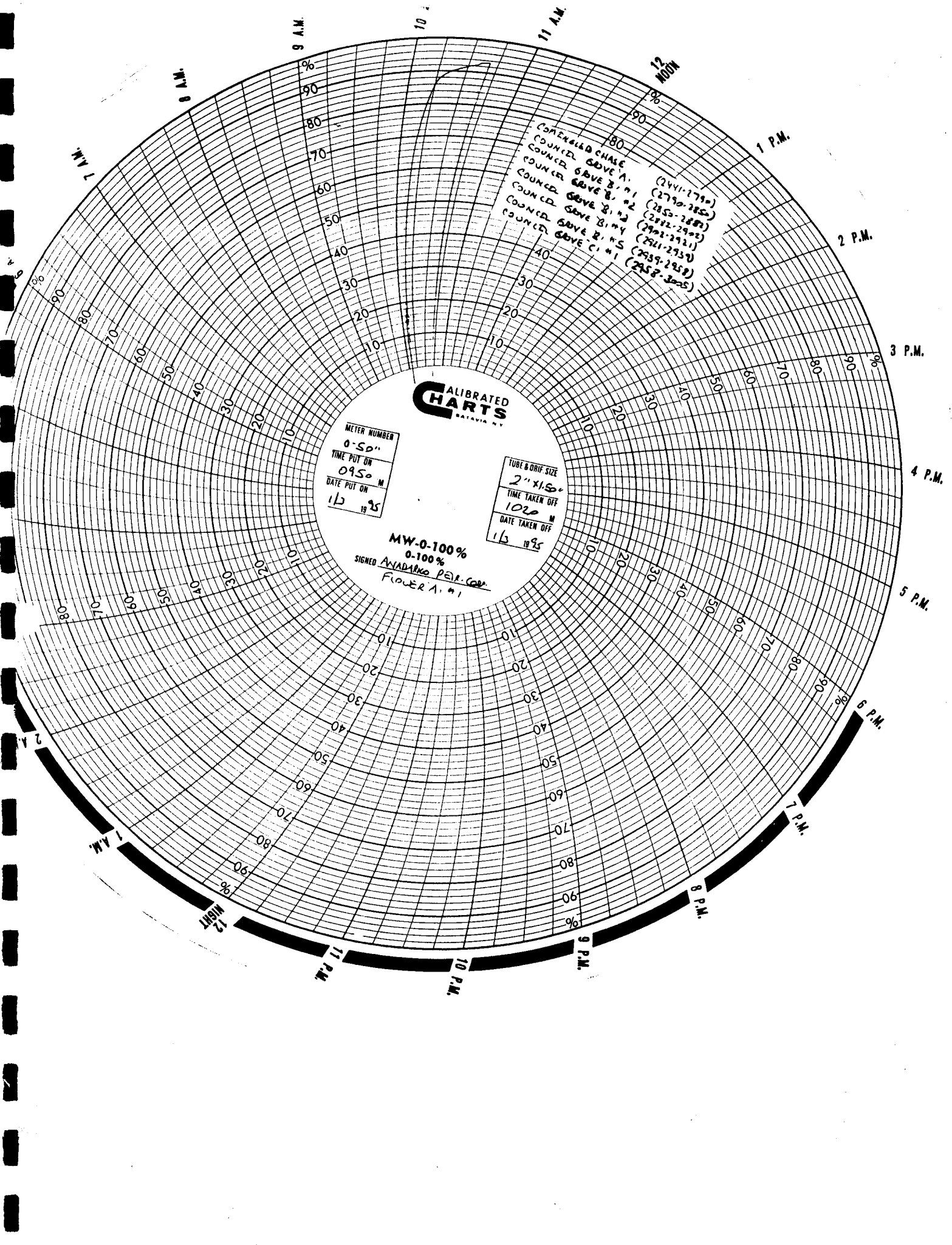
SIGNED / MADE BY / DATE
 FLORET A-101
 MW-0-100%
 0-100%

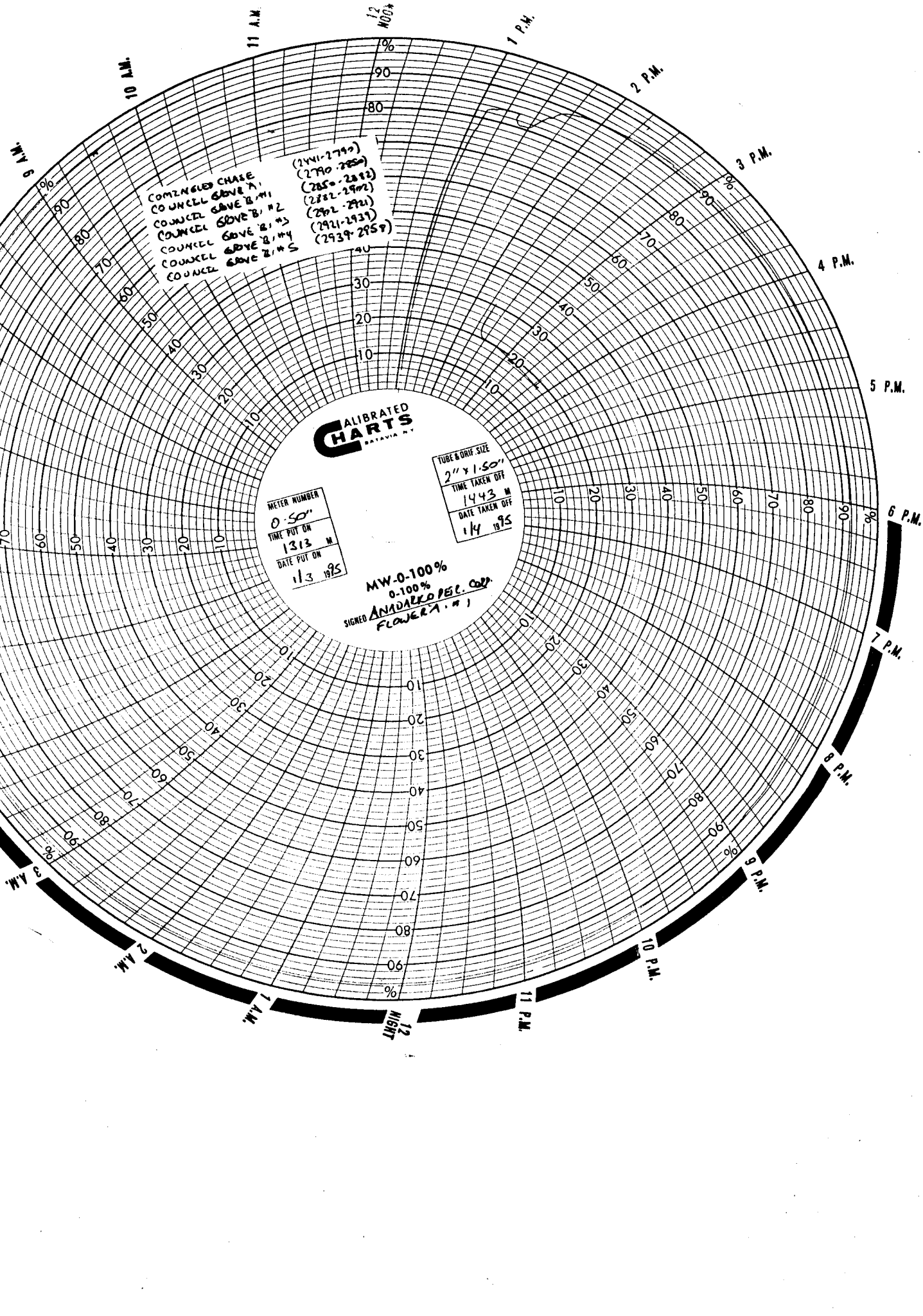
TUBE BORE SIZE
 2" x 1.5"
 TIME TAKEN OFF
 2320
 DATE TAKEN OFF
 1/2 1995

METER NUMBER
 050
 TIME PUT ON
 2305
 DATE PUT ON
 1/2 1995

GAIBRATED
CHARTS
 MADE IN U.S.A.







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 2435 TD _____ PB _____ GL _____
 TBG _____ WT _____ SET _____ SN _____ PKR _____ KB _____
 PERFS _____ TO _____ TO _____ TO _____ TO _____
 PROVER _____ METER _____ TAPS _____ OFFICE _____ PCR _____ TOR _____
 GG _____ 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	Δ P CSG	TBG PSIG	Δ P TBG	BHP PSIG	Δ P BHP	PRESS. PSIG	DIFF.	TEMP	O MCFD					COND. BRLS.
MONDAY 1-2-95																
2305																
2310																
2315																
2320																
TUESDAY 1-3-95																
0950																
0955																
1000																
1005																
1010																
1015																
1020																
1313																
1318																
1323																
1328																
1333																
1338																

CSG VOLUMES CORRECTED TO A .720 GRAVITY.
 RUN 1 STAND DRILLPIPE IN WELL.
 INSTALL 2" VALVE IN DRILLPIPE AT SURFACE (CLOSED).
 INSTALL 2" O.M.T. WITH 1 1/2" PLATE DIRECTLY OFF CASING
 (COMINGLED GAS FROM CHASE GROUP (2441-2790), COUNCIL GROVE 'A' (2790-2850), COUNCIL GROVE 'B' #1 (2850-2882), COUNCIL GROVE 'B' #2 (2882-2902), COUNCIL GROVE 'B' #3 (2902-2921), COUNCIL GROVE 'B' #4 (2921-2939), AND COUNCIL GROVE 'B' #5 (2939-2958), AND COUNCIL GROVE 'C' #1 (2978-3005).
 END FLOW. PREPARE TO RUN CORE BARREL.

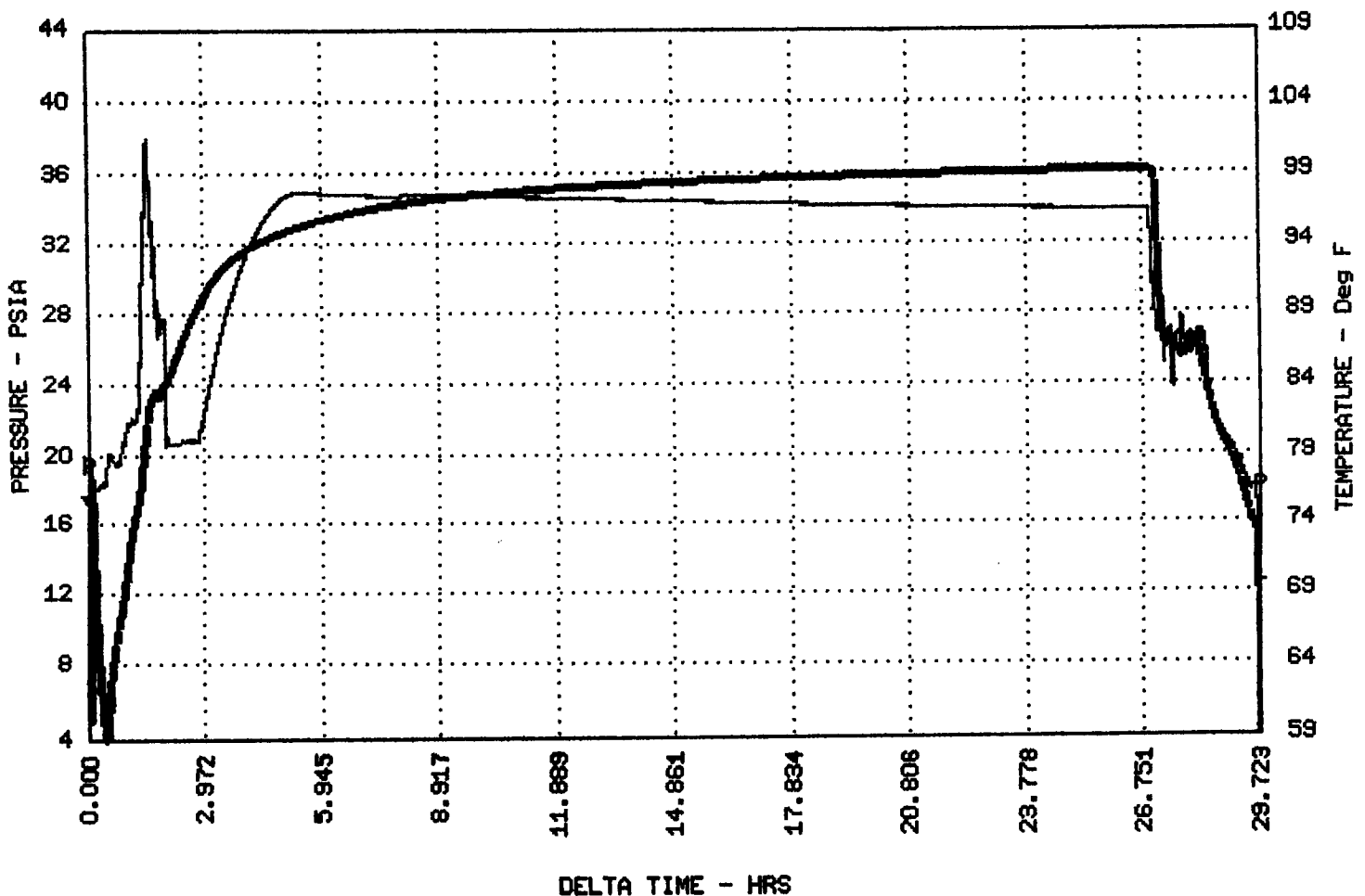
RUN 1 STAND DRILLPIPE IN WELL.
 INSTALL 2" VALVE IN DRILLPIPE AT SURFACE (CLOSED).
 INSTALL 2" O.M.T. WITH 1 1/2" PLATE DIRECTLY OFF CASING
 (COMINGLED CHASE (2441-2790), COUNCIL GROVE 'A' (2790-2850), COUNCIL GROVE 'B' #1 (2850-2882), COUNCIL GROVE 'B' #2 (2882-2902), COUNCIL GROVE 'B' #3 (2902-2921), COUNCIL GROVE 'B' #4 (2921-2939), AND COUNCIL GROVE 'B' #5 (2939-2958), AND COUNCIL GROVE 'C' #1 (2978-3005).
 END COMINGLED FLOW TEST. PREPARE TO RUN IN WELL FOR
 DST. #19.

SET PACKER. INSTALL 2" O.M.T. WITH 1 1/2" PLATE DIRECTLY
 OFF CASING.
 (COMINGLED CHASE (2441-2790), COUNCIL GROVE 'A' (2790-2850), COUNCIL GROVE 'B' #1 (2850-2882), COUNCIL GROVE 'B' #2 (2882-2902), COUNCIL GROVE 'B' #3 (2902-2921), COUNCIL GROVE 'B' #4 (2921-2939), AND COUNCIL GROVE 'B' #5 (2939-2958).
 END COMINGLED FLOW TEST. PREPARE TO RUN IN WELL FOR
 DST. #19.

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: COUNCIL GROVE C-1 (2978-3005)
LOCATION: SW 25-31S-38W STEVENS CO., KS.
TEST OPERATOR: HELM
COMMENTS: UPPER GAUGE SET AT 2994'.
RETEST.

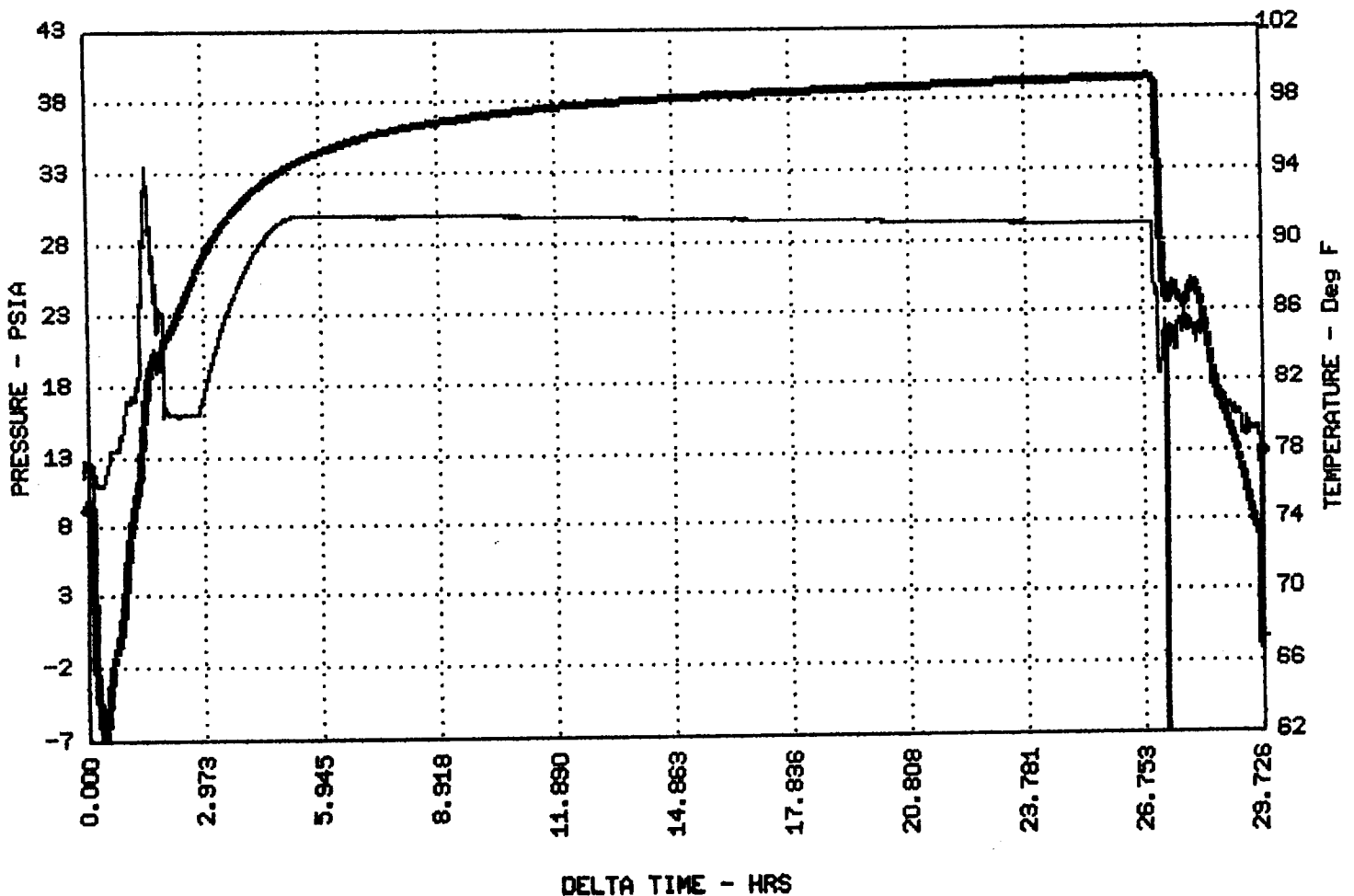
Starting date: 01/05/95
time: 08:21:00

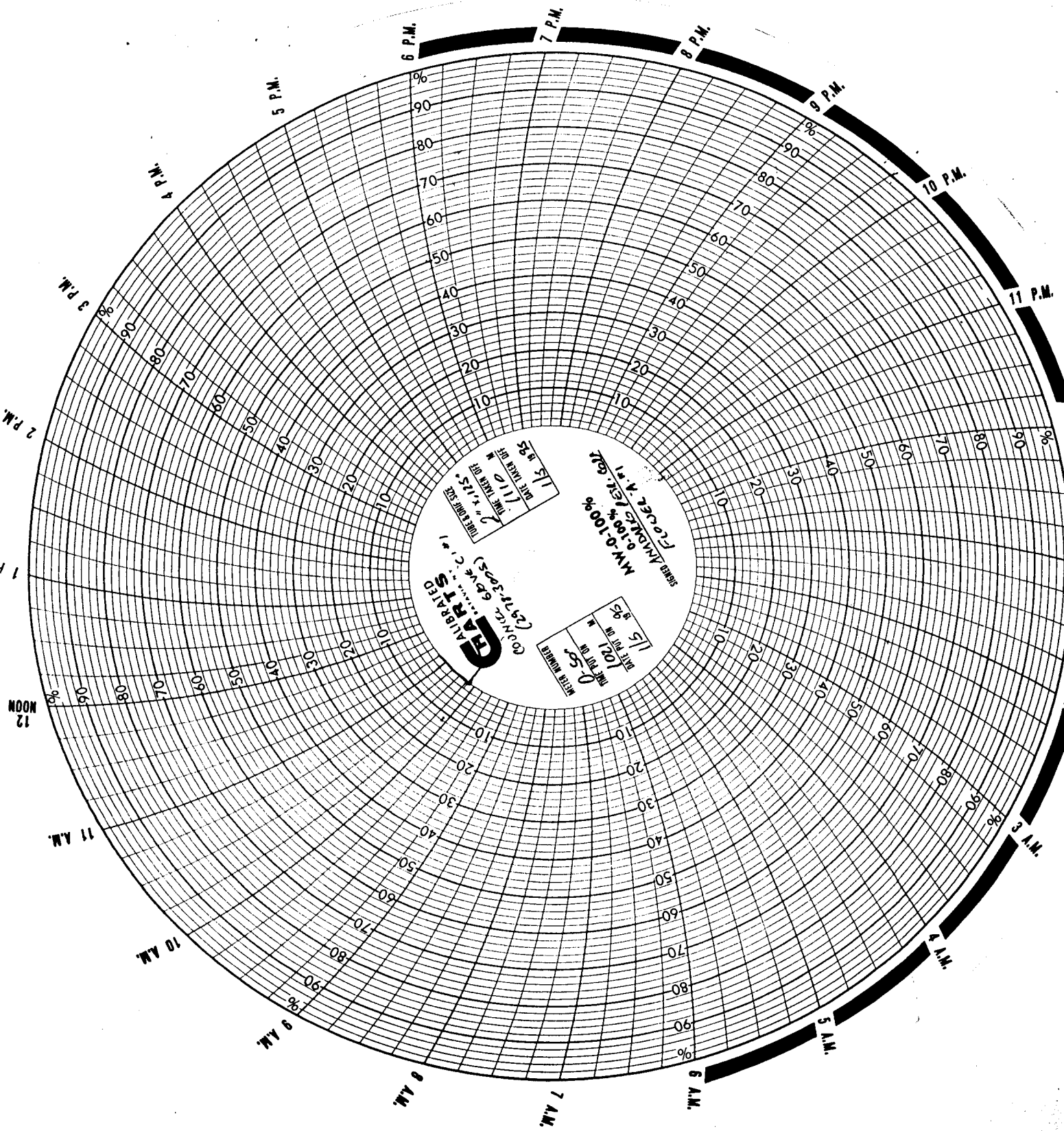


EMR-710 WELL TEST DATA

COMPANY: PRECISION WELL TESTING
CLIENT: ANADARKO PETROLEUM CORP.
GAUGE NUMBER: 86058
WELL NAME: FLOWER 'A'
WELL NUMBER: 1
TEST NUMBER: COUNCIL GROVE C-1 (2978-3005)
LOCATION: SW 25-31S-38W STEVENS CO., KS.
TEST OPERATOR: HELM
COMMENTS: LOWER GAUGE SET AT 2998'.
RETEST.

Starting date: 01/05/95
time: 08:21:00





GAIRBARD
COUNTING MACHINE CO. (INCORPORATED)
150 N. W. 10th St., Miami, Fla.

WEEK NUMBER: 1021
M. JUL. 1951
L.S. # 95

NEW YORK: 100%
NEW YORK: 90%
NEW YORK: 80%
NEW YORK: 70%
NEW YORK: 60%
NEW YORK: 50%
NEW YORK: 40%
NEW YORK: 30%
NEW YORK: 20%
NEW YORK: 10%

NEW YORK: 100%
NEW YORK: 90%
NEW YORK: 80%
NEW YORK: 70%
NEW YORK: 60%
NEW YORK: 50%
NEW YORK: 40%
NEW YORK: 30%
NEW YORK: 20%
NEW YORK: 10%

NEW YORK: 100%
NEW YORK: 90%
NEW YORK: 80%
NEW YORK: 70%
NEW YORK: 60%
NEW YORK: 50%
NEW YORK: 40%
NEW YORK: 30%
NEW YORK: 20%
NEW YORK: 10%

