1985 LICENSE CONDITION 3.E STEAM GENERATOR INSPECTION

SAN ONOFRE UNIT 1

DOCKET NO. 50-206

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Southern California Edison Company

Rosemead, California

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I. INTRODUCTION AND SUMMARY

A. Introduction

The purpose of this report is to provide to the Nuclear Regulatory Commission the information necessary to facilitate the NRC review of the results of the San Onofre Unit 1 (SONGS 1) steam generator inspection. This inspection was performed to meet the requirements of License Condition 3.E, Steam Generator Inspections, of Provisional Operating License No. DPR-13. Specifically, 3.E states:

> During the refueling outage scheduled to begin no later than November 30, 1985, Southern California Edison shall perform an inspection of the steam generators. The inspection program shall be submitted to the Commission at least 45 days prior to the scheduled shutdown. Commission approval shall be obtained before resuming power operation following this inspection.

Accordingly, by letter dated July 5, 1985, Southern California Edison submitted a program for the steam generator inspection to be performed in compliance with License Condition 3.E. The inspection program, discussed in Section II of this report, indicated that SCE would perform the 3.E inspection in steam generator "B" since the results of previous inspections have shown that, in the region to be inspected, all three steam generators are behaving in a like manner. The program also described the eddy current inspection, analytical techniques and the method of repair.

B. Summary

This report provides a description of the results of the steam generator inspection performed to comply with License Condition 3.E and should allow the NRC staff reviewers to conclude that it is appropriate to approve resumption of power operation at SONGS 1 as it relates to the inspection of steam generators. Section II of this report provides a point-by-point description of the actions performed to complete the inspection program provided in our July 5, 1985 letter. Section III provides a description of the eddy current testing (ECT) and analytical methodology used in the inspection program. Section III also discusses the advancement in ECT technology and how the application of this technology at SONGS 1 allows a more accurate determination of the inservice condition of the non-sleeved steam generator tubes. This ECT advancement and consequent additional confidence in the ECT results form the basis for a revision of our current commitments regarding the plugging criteria for the non-sleeved tubes and inspection periodicity.

Section IV describes the results of the steam generator inspection and discusses the appropriateness of performing eddy current inspections of the non-sleeved steam generator tubes at refueling outage intervals. Section V discusses the steam generator operating history of SONGS 1 over the period since 1980. Section VI presents a summary of the conclusions reached throughout the report. Section VI also presents SCE's determination that: (1) it is appropriate that San Onofre Unit 1 be approved for resumption of power operation as it relates to the inspection of steam generators, (2) it is appropriate to inspect non-sleeved tubes at refueling outage intervals, and (3) the plugging limit for the non-sleeved tubes should be that which is described in Technical Specification 4.16.E.1.C. Finally, Section VII provides a listing of the references used in the report.

II. SCOPE OF INSPECTION

It is the purpose of this section to provide a description of the steam generator inspection scope planned to comply with License Condition 3.E, Steam Generator Inspections. The discussion also provides a point-by-point description of the scope planned and the scope completed.

A. Inspection Scope Planned

The general plan submitted in our letter of July 5, 1985 consisted of three basic areas:

1. Cold Secondary Side Leakage Test (If Necessary)

   The cold secondary side leakage test consists of an 800 psid secondary-to-primary differential pressure test. The cold secondary side leakage test is intended to locate the source of primary-to-secondary leakage.

2. ECT of Non-Sleeved Steam Generator Tubes

   Inspect approximately 30% of the non-sleeved tubes in steam generator "B" from the hot leg side to just below the first tube support plate. Only "B" steam generator is to be inspected since the results of previous inspections have indicated that all steam generators are performing in a like manner.

   The inspection program consists of all non-sleeved tubes within two tubes of the sleeving repair boundary and a four-by-four pattern throughout the remainder of the periphery. This program is conducted utilizing the latest eddy current equipment available to the industry and San Onofre Unit 1. Data is collected using a MIZ-18 digital data collection system and analyzed with the DDA-4 digital analysis system. As stated in the July 5, 1985 submittal, the ECT inspection program uses two different probes, the standard bobbin coil probe and the 8 x 1 probe. Information gathered from the bobbin coil probe allows correlation to previous inspection data to further assess the IGA progression rate in the non-sleeved region.

If any tube inspected has an IGA indication greater than or equal to 50%, then additional tubes would be inspected until one tube without detectable IGA is found. In addition, the other two steam generators would be inspected in accordance with the above inspection plan.

3. Steam Generator Inspection Data Evaluation and Repair

All data generated in this inspection is evaluated using the DDA-4 digital data analysis system. The use of the DDA-4 improves the consistency and repeatability of interpretation.

The plugging criteria are consistent with that used to establish the original repair boundary. Specifically, all tubes with detectable IGA indications at the top of the tubesheet will be plugged. In addition, any non-sleeved tube immediately adjacent to a tube with an IGA indication greater than or equal to 50% will be plugged.

B. Inspection Scope Performed

1. Cold Secondary Side Leakage Test

The cold secondary side leakage test discussed above was to be conducted due to an indication of primary-to-secondary leakage that had been occurring at various leakage rates since the SONGS 1 return to service on November 27, 1984. The leakage started during March, 1985, and had an average leak rate of approximately 1 gallon per day (gpd) with a onetime peak of 5 gpd. The leak rate was 1 gpd when the Unit shut down on November 21, 1985.

The leak behavior was similar to the leakage experienced before SONGS 1 shut down for an interim eddy current inspection on February 27, 1982. During this February 27 outage, a leak test was conducted on all three steam generators and in steam generator "C" three tubes with leak limiting sleeves were found to be leaking at about 1-2 drops per minute. The results of that inspection were reported to the NRC as part of a report enclosed with our letter dated September 21, 1982. Based on the observed leak rate it was determined that the recently observed leakage is consistent with the allowable leakage design margin for leak limiting sleeves and the limits as stated in the Technical Specifications. Therefore, considering its similarity to the previous leakage and its technical specification acceptability, the test was not performed.

2. Eddy Current Testing

Multiple frequency ECT of 417 tubes (approximately 30% of the non-sleeved tubes in the "B" steam generator) was conducted with the standard bobbin coil probe and the 8 x 1 surface riding probe. The appropriateness of these probes is further discussed in Section III of this report. This ECT program was designed to assess the extent to which Intergranular Attack (IGA) is occurring at the top of the hot leg tubesheet. As shown in Figure 1 (Appendix A), the inspection pattern consisted of all non-sleeved tubes which lie within either two rows or columns of the sleeving repair boundary plus every fourth row and column (one sixteenth of the tubes) of the remainder of the non-sleeved tubes.

3. Steam Generator Inspection Data Evaluation and Repair

When the results of this inspection were evaluated, no tubes with IGA indications at the top of the tube sheet were detected in the 417 tubes inspected (see Section IV of this report) and no tubes required repair.

Based on the absence of indications of IGA in the tubes inspected, it is concluded that the current inservice condition of the non-sleeved steam generator tubes is adequate for the resumption of power operation.

III. INSPECTION AND ANALYTICAL METHODOLOGY

The purpose of this section is to provide a discussion of our application of ECT and analytical methodologies and the appropriateness of their use at SONGS 1.

A. ECT Data Gathering

Each tube was tested on the hot leg side of the steam generator from the entrance of the tube to just below the first tube support plate with two different probes, the standard bobbin coil and the 8 x 1 probe. The bobbin coil inspection was conducted utilizing the following frequencies; 400 KHz, 340 KHz, 100 KHz and 10 KHz. Each frequency was generated in both the differential and absolute modes. Based on industry research and as stated in the March 19, 1985 submittal, using the above frequencies the bobbin coil can detect the type of IGA found at SONGS 1 which exceeds 20% through-wall. The basis for the use of the 100 KHz absolute is further discussed in the report entitled "1985 Re-evaluation of Steam Generator Inspection Interval," submitted by our letter of March 19, 1982. The acceptability of the use of this frequency is discussed in the Safety Evaluation Report (SER) attached to Amendment No. 84 to Provisional Operating License No. DPR-13 dated June 5, 1985. The bobbin coil information also allows correlation to previous eddy current inspection data to further assess the IGA progression rate in the non-sleeved peripheral region of the steam generator.

The 4 x 4 probe used in past inspections was replaced by the industry standard 8 x 1 probe for the following reasons: 1) an 8 x 1 probe has eight individually monitored pancake probes which provide an indication of the circumferential extent of a defect and more sensitivity than does the series connection of each set of four pancake coils in the 4 x 4 probe, and 2) utilizing the increased capacity of the MIZ-18, each of the eight coils can be operated at two separate frequencies (300 KHz and 100 KHz) providing the capability to "mix out" the tubesheet entry signal and eliminating the need to compromise sensitivity using the 4 x 4 probe. SONGS 1 and industry experience has shown that pancake probes are better than the bobbin coil in detecting circumferential IGA. In past eddy current inspections, the pancake probe was used at SONGS 1 as the final test to identify if IGA was present and to aid in the determination that the tube should be removed from service. By combining the quantification capabilities of the bobbin coil and the detection capabilities of the 8 x 1 probe, the steam generator inspection program provided the best possible assessment of the condition of the non-sleeved tubes at the top of the hot leg tubesheet.

B. ECT Data Analysis

ECT data was collected utilizing the state-of-the-art MIZ-18 digital data collection system and analyzed with the DDA-4 digital analysis system. The evaluation of the ECT data using this hardware assures the consistency and repeatability of interpretation.

The data, once acquired, was analyzed utilizing the techniques defined in the SONGS 1 Eddy Current Data Interpretation Guidelines. These specific interpretation guidelines were developed by SCE to aid the eddy current analyst's evaluation of the SONGS 1 ECT data. The guidelines specify the type, extent and location of steam generator tube degradation found in the SONGS 1 steam generator tubing. The guidelines were developed based upon an extensive historical review of the ECT data from previous steam generator inspections, giving the eddy current analyst the ability to quickly refer to the previous history of specific tubes or areas in the steam generator. The guidelines also discuss the ECT techniques used to inspect the SONGS 1 steam generators and discuss the various strengths and limitations of each technique. The discussion of previous steam generator history also allows the eddy current analyst to be aware of inservice conditions such as thinning, denting or sludge that may affect the interpretation of a flaw.

Each of the 417 tubes was analyzed using the hardware and guidelines discussed above and the results are discussed in Section IV. The use of the SONGS 1 specific interpretation guidelines, coincident with the state-of-the-art hardware such as the DDA-4 and MIZ-18 provides confidence in the quality and accuracy of the inspection results.

Based upon the information provided above, it is concluded that the ECT and analytical methodologies as applied during the SONGS 1 License Condition 3.E Steam Generator Inspection are appropriate for assessment of the inservice condition of the non-sleeved steam generator tubes at the top of the hot leg tubesheet. It is also concluded that the application of these methodologies makes it appropriate to revise our current commitment regarding the plugging criteria for non-sleeved tubes established as part of our last license condition steam generator inspection.

IV. INSPECTION RESULTS

It is the purpose of this section to summarize the results of the ECT performed as part of the License Condition 3.E steam generator inspection.

The ECT results did not identify any tubes with IGA. However, when the results of the 417 tubes were compared to corresponding historical data, 47 tubes that had apparent new degradation above the top of the tubesheet were identified. To investigate if the degradation was new or due to improved detection capabilities, the 1985 ECT results were compared to the 1980 results for 52 indications in the 47 tubes. This comparison was done utilizing the DDA-4 to provide consistent results. The comparisons are provided in Appendix B along with the associated ECT data.

The result of the comparisons was that the steam generator tubes underwent a calculated mean growth of -1.1% over an operating time of 13.6 Equivalent Full Power Months (EFPM). This comparison identified 12 tubes with new > 20% indications and 0 cases of existing > 20% indications that had actual > 10% growth. This showed that the degradation was apparent and was, in fact, due to improved detection capabilities. Out of the 12 tubes with new > 20% indications only two tubes had no previous detectable defect.

A summary of the results of the non-sleeved tube inspection is as follows:

Tubes tested	417
Tubes compared between 1980 and 1985 (13.6 EFPM)	47
Tubes with new > 20% indications	12
Tubes with actual > 10% growth	0
Tubes plugged (IGA)	0
Mean Change	0(-1.1%)
Standard Deviation	10.8
Calculated Mean Growth (%/EFPM)	0(-0.08%)

The overall inspection yielded no tubes that had IGA indications. Therefore, it is concluded that the postulated IGA growth rate determined in SCE's March 19, 1985 report is adequately conservative and should not exceed 10% per refueling outage operating cycle (15 EFPM). Accordingly, it is concluded that it is appropriate that the non-sleeved steam generator tubes be inspected as part of the overall steam generator inspections performed in compliance with Technical Specification 4.16, Inservice Inspection of Steam Generator Tubing.

V. STEAM GENERATOR OPERATING HISTORY

The purpose of this section is to provide a discussion of the steam generator water chemistry, both prior to and during the most recent operating cycle and to provide a discussion of the unit operating history during the most recent operating cycle as they relate to the inservice condition of the non-sleeved tubes in the SONGS 1 steam generators.

Since SONGS 1 return to service on November 27, 1984, there have been three scheduled and five forced outages. It is noted that none of these outages were due to condenser leaks or extraordinary steam generator water chemistry conditions.

An overview of the steam generator water chemistry from 1980 to return to service on November 27, 1984 was previously provided to you in the March 19, 1985 submittal. As also stated in the submittal, since return to service on November 27, 1984, the steam generator water chemistry has been controlled and condenser problems corrected using a program that is consistent, to the extent practical, with the EPRI guidelines. Consistent with these guidelines, when condenser leaks were discovered in December 1984, February 1985 and October 1985, they were promptly corrected. Consequently the steam generator water chemistry has been consistently stable over the period of operation since return to service.

Based upon the information discussed above, it is concluded that the SONGS 1 operating history and steam generator water chemistry are consistent with the ECT results found in Section IV.

VI. CONCLUSIONS

The following conclusions have been made based upon a review of the ECT data and our steam generator operating history since return to service.

1. The results of the 1985 License Condition 3.E Steam Generator Inspection provide substantiation of the conclusions of the March 1985 Report, which conservatively concluded that the maximum IGA progression rate for the non-sleeved steam generator tubes is $\leq$ 10% wall degradation per 15 EFPM refueling cycle operating interval. Therefore, it is deemed appropriate to provide for the reinspection of the non-sleeved steam generator tubes as part of the overall inspection required by Technical Specification 4.16, Inservice Inspection of Steam Generator Tubing. Specification 4.16.A.1, requires that the tubes selected for inspection include those where experience at San Onofre Unit 1 or experience in similar plants indicates critical areas to be inspected. Since the tubes surrounding the sleeving boundary constitute a "critical area," they would be included in any refueling outage inspection plan until such time as historical results show them to not be a "critical area" of concern.

2. The information presented in Section III of this report provides information that concludes that the eddy current technology currently being used to inspect the non-sleeved tubes is adequate to detect and quantify IGA at the top of the hot leg tubesheet as found in the SONGS 1 steam generators. Accordingly, it is concluded that the detectability/quantification issue raised as part of the sleeving repair project is now resolved and the plugging criterion in Technical Specification Section 4.16.E.1.C which states that any tube with an imperfection depth of $\geq$ 50% of the nominal tube wall thickness shall be plugged is now appropriate for the non-sleeved steam generator tubes. Based upon these conclusions, it is determined that the implementation of the Technical Specification criteria for the plugging limit for the non-sleeved tubes is adequate to assure the continued integrity of the tubes in anticipated normal and transient operating conditions.

3. The information presented in all the sections of this report also provide adequate basis for the approval of resumption of power operation at San Onofre Unit 1 as it relates to the License Condition 3.E Steam Generator Inspection.

VII. REFERENCES

1. Letter, M. O. Medford, SCE, to J. A. Zwolinski, NRC, Steam Generator Tube Inspections, July 5, 1985

2. Letter, M. O. Medford, SCE, to J. A. Zwolinski, NRC, Steam Generator Inspections, March 19, 1985 with Enclosure "1985 Re-evaluation of Steam Generator Interval, March 1985"

3. Letter, K. P. Baskin, SCE, to D. M. Crutchfield, NRC, Steam Generator Inspection Report, September 21, 1982

4. NRC Amendment No. 84 to Provisional Operating License No. DPR-13 dated June 5, 1985

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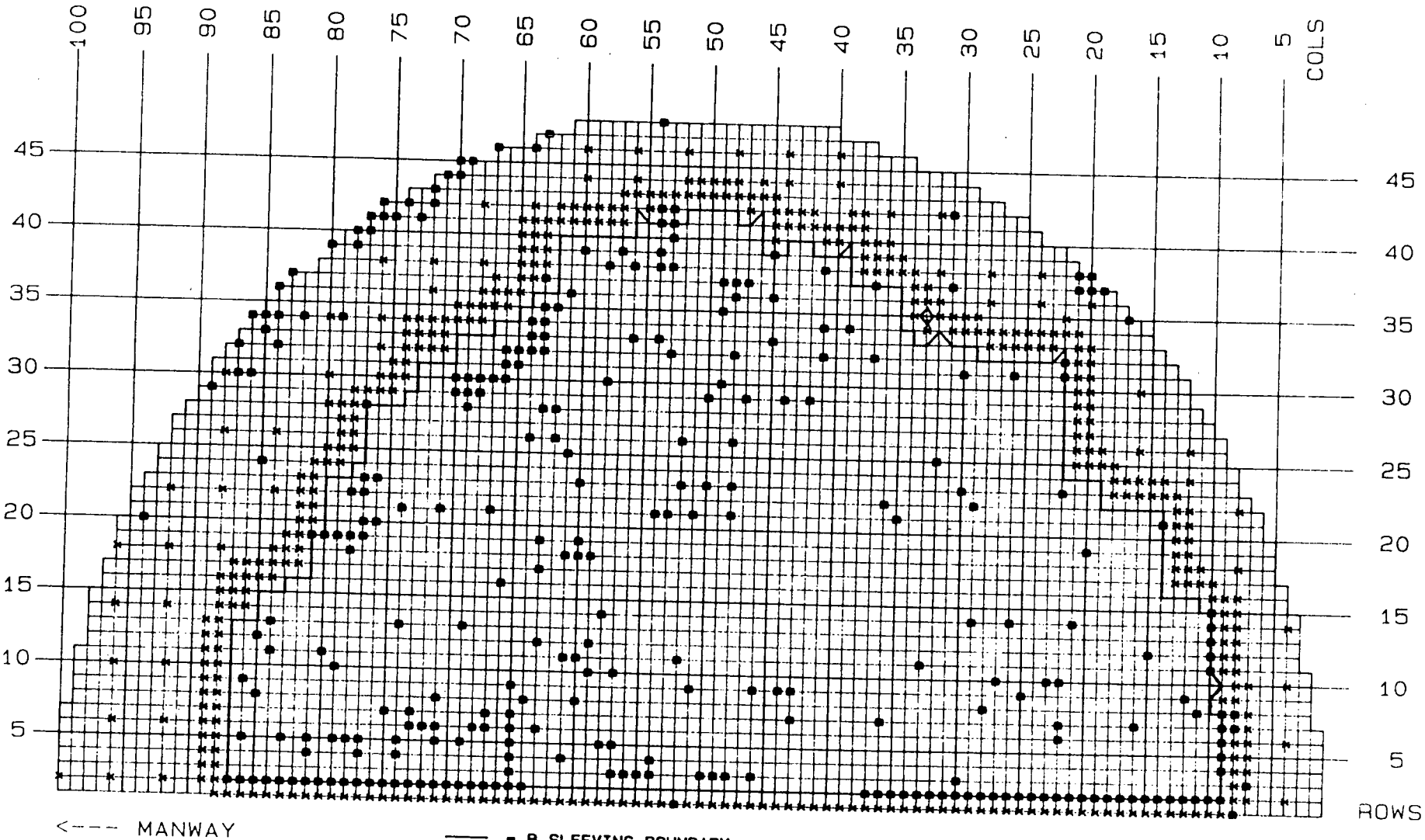
APPENDIX A

FIGURE 1

STEAM GENERATOR TUBESHEET MAP

SAN ONOFRE UNIT 1 S/G B

HOT LEG 8X1/8088IN TECH SPEC REPORT DATE: 1/15/86



APPENDIX B

COMPARISON OF 1980 AND 1985 ECT DATA

TABLE 1

STEAM GENERATOR "B" ECT DATA COMPARISONS

Tube Row	Tube Col	1980 Percent	1985 Percent	Percent Change
7	88	27	22	-5
9	88	19	24#	+5
10	88	36	25	-11
11	88	27	30	+3
11	88	24	28	+4
13	88	35	36	+1
14	87	26	22	-4
15	87	23	25	+2
15	88	26	25	-1
16	84	21	21	0
16	85	25	21	-4
16	86	28	28	0
17	82	25	23	-2
17	84	25	23	-2
19	82	22	27	+5
19	83	29	25	-4
20	81	17	21#	+4
25	19	17	24#	+7
25	19	27	22	-5
25	78	28	30	+2
26	19	28	38	+10
26	20	10	22#	+12
27	20	29	22	-7

Tube Row	Col	1980 Percent	1985 Percent	Percent Change
28	21	31	29	-2
29	78	0	22#	+22
30	74	18	27#	+9
30	76	0	25#	+25
31	74	34	21	-13
32	74	27	22	-5
32	75	20	28#	+8
33	73	29	28	-1
33	73	29	30	+1
34	26	24	24	0
34	33	19	22#	+3
35	31	25	22	-3
35	68	26	21	-5
36	65	34	22	-12
37	34	21	23	+2
38	34	22	24	+2
38	36	35	25	-10
38	36	34	26	-8
39	64	15	30#	+15
40	38	25	22	-3
41	41	34	26	-8
41	44	10	25#	+15
41	58	57	24	-33
41	59	54	21	-34
42	45	22	21	-1

Tube Row	Col	1980 Percent	1985 Percent	Percent Change
42	55	23	22	-1
42	55	19	22#	+3
42	58	54	24	-30
43	48	33	32	-1

#New 20% Indications	12
Total number of tubes compared	47
Total number of indications compared	52

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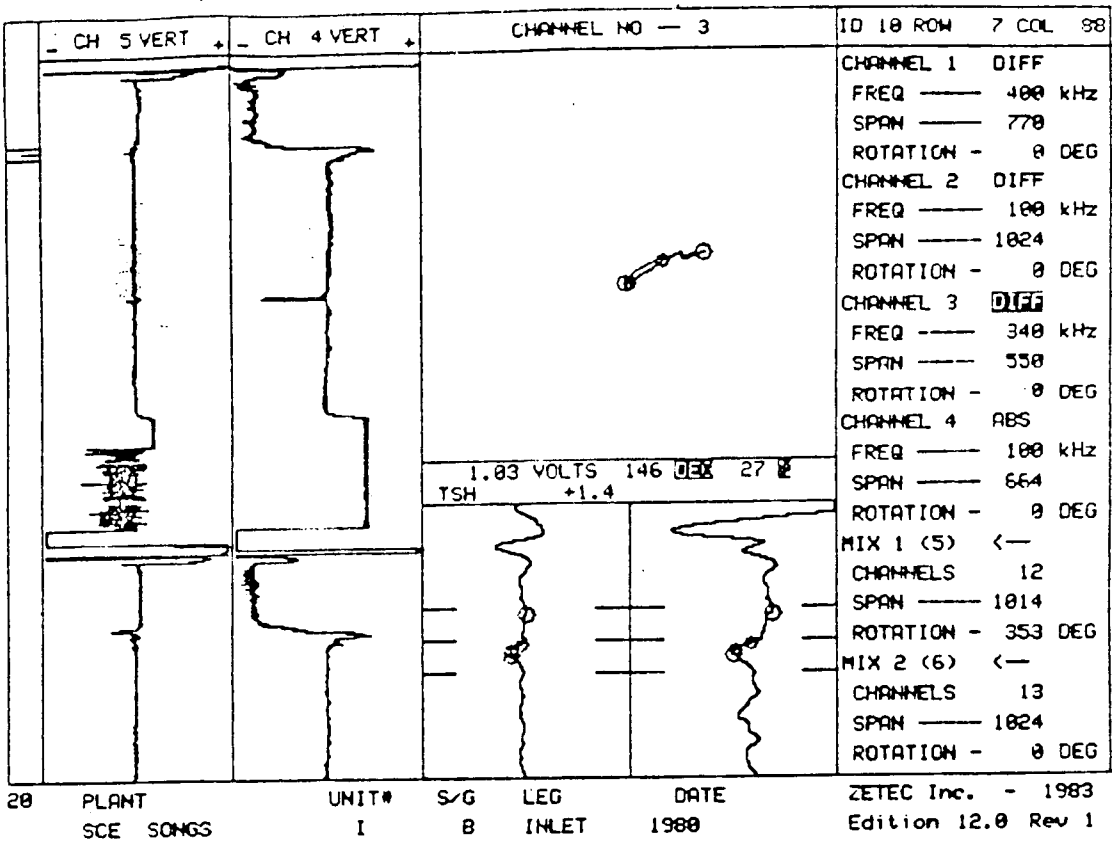
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FREQ —— 100 kHz
SPAN —— 1024
ROTATION - 0 DEG
CHANNEL 3 DIFF
FREQ —— 340 kHz
SPAN —— 550
ROTATION - 0 DEG
CHANNEL 4 ABS
FREQ —— 100 kHz
SPAN —— 664
ROTATION - 0 DEG
MIX 1 (5) <—
CHANNELS 12
SPAN —— 1014
ROTATION - 353 DEG
MIX 2 (6) <—
CHANNELS 13
SPAN —— 1024
ROTATION - 0 DEG
1.03 VOLTS 146 DEG 27 %
TSH +1.4
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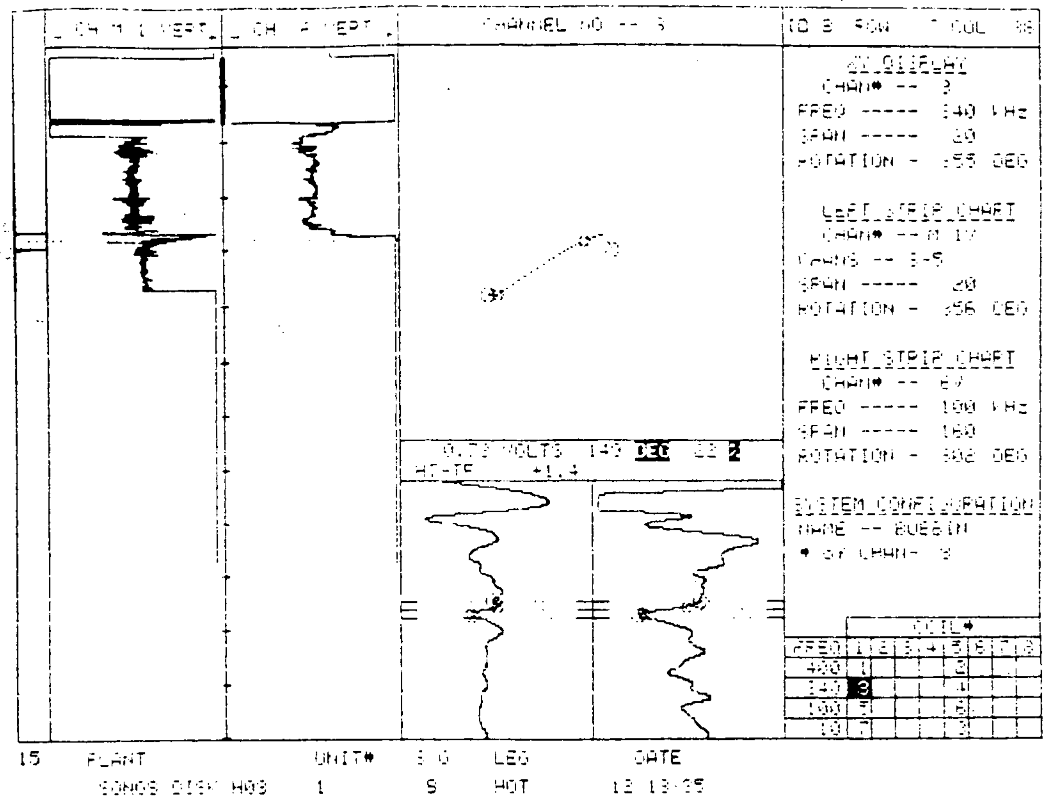
UNIT# I
S/G B
LEG INLET
DATE 1980
ZETEC Inc. - 1983
Edition 12.0 Rev 1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CHANS -- 3-5
SPAN ----- 20
ROTATION - 356 DEG
RIGHT STRIP CHART
CHAN# -- 8V
FREQ ----- 100 kHz
SPAN ----- 160
ROTATION - 302 DEG
SYSTEM CONFIGURATION
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OF CHAN- 8
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FREQ
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140
100
10
0.72 VOLTS 149 DEG
HI-TF +1.4
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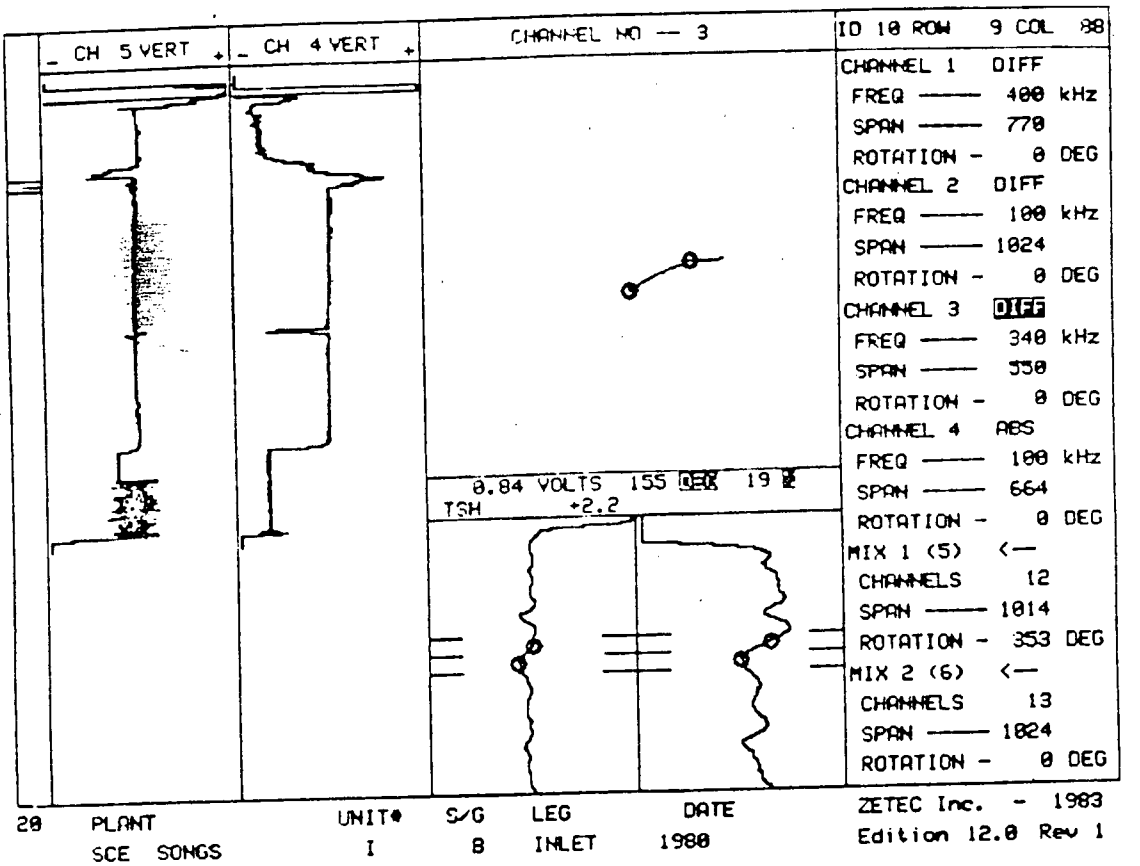
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CHANNEL 2 DIFF
FREQ —— 100 kHz
SPAN —— 1024
ROTATION - 0 DEG
CHANNEL 3 DIFF
FREQ —— 340 kHz
SPAN —— 550
ROTATION - 0 DEG
CHANNEL 4 ABS
FREQ —— 100 kHz
SPAN —— 664
ROTATION - 0 DEG
MIX 1 (5) <—
CHANNELS 12
SPAN —— 1014
ROTATION - 353 DEG
MIX 2 (6) <—
CHANNELS 13
SPAN —— 1024
ROTATION - 0 DEG
0.84 VOLTS 155 DEG 19
TSH +2.2
20 PLANT
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UNIT#
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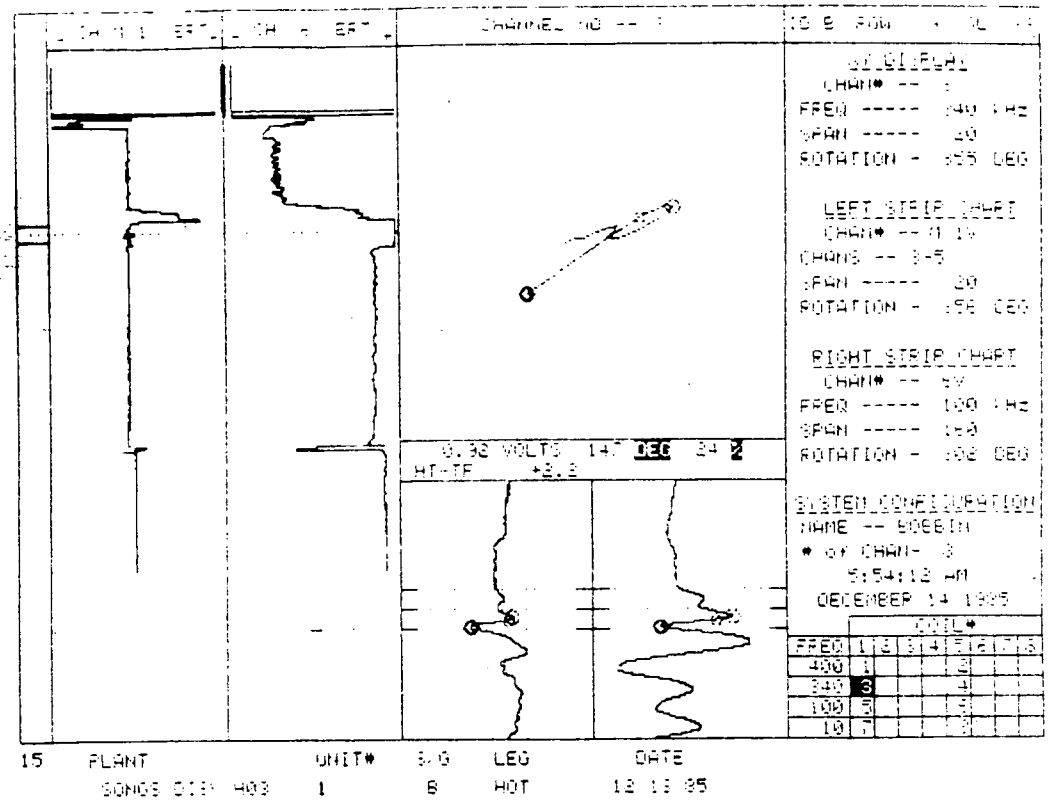
S/G
B
LEG
INLET
DATE
1980
ZETEC Inc. - 1983
Edition 12.0 Rev 1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HI-TF +2.3
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LEFT STRIP CHART
CHAN# -- 0 1V
CHANS -- 3-5
SPAN ----- 30
ROTATION - 156 DEG
RIGHT STRIP CHART
CHAN# -- 5V
FREQ ----- 100 KHz
SPAN ----- 150
ROTATION - 102 DEG
SYSTEM CONFIGURATION
NAME -- BOBBIN
OF CHAN- 8
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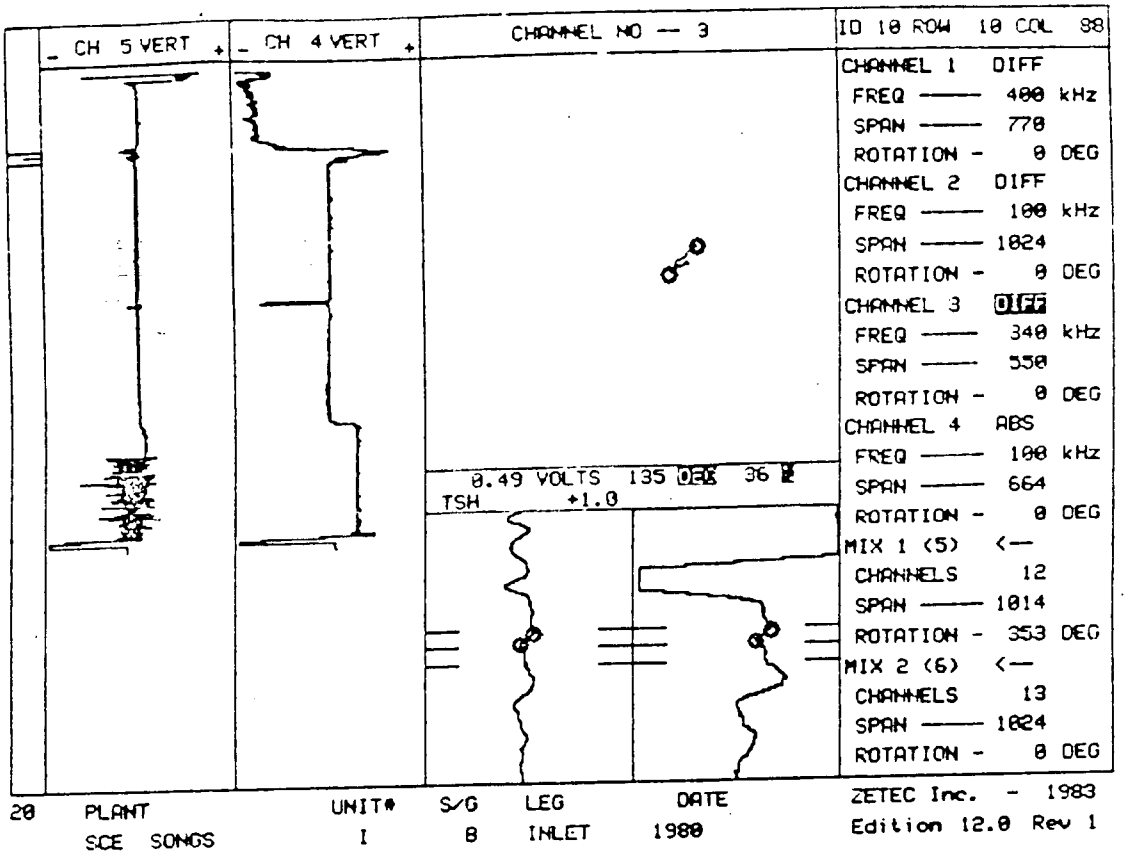
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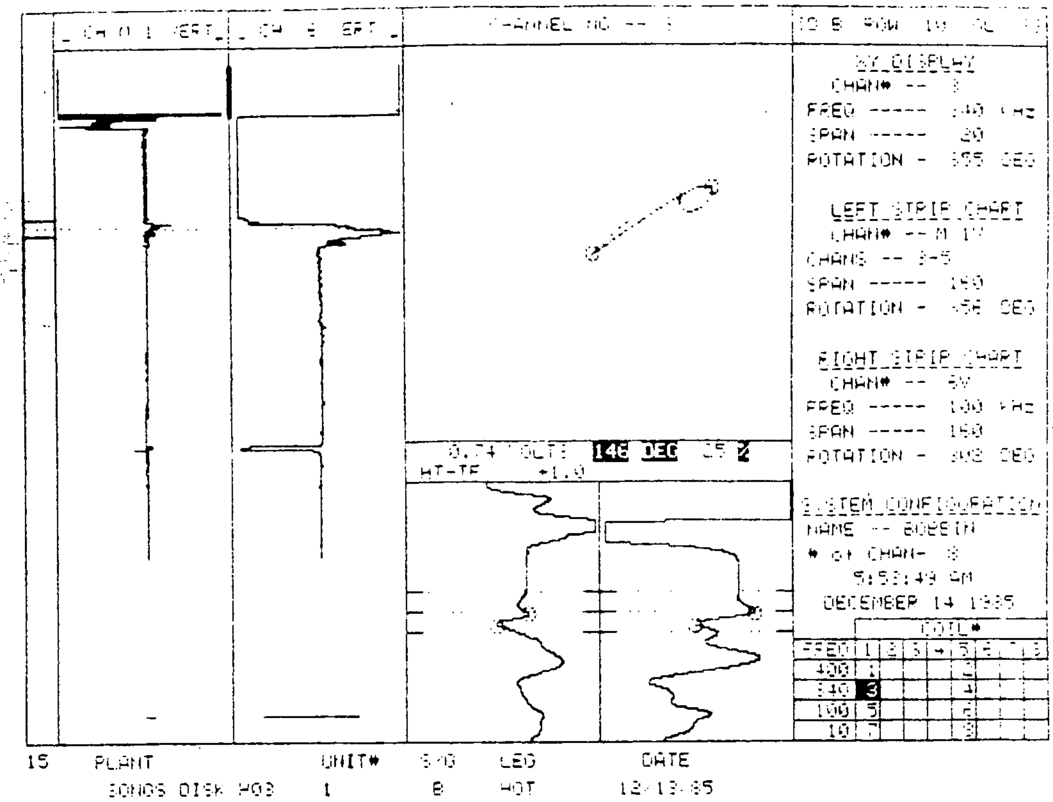
CHANNEL 3 DIFF
FREQ —— 340 kHz
SPAN —— 550
ROTATION - 0 DEG
CHANNEL 4 ABS
FREQ —— 100 kHz
SPAN —— 664
ROTATION - 0 DEG
MIX 1 (5) <—
CHANNELS 12
SPAN —— 1014
ROTATION - 353 DEG
MIX 2 (6) <—
CHANNELS 13
SPAN —— 1024
ROTATION - 0 DEG
0.49 VOLTS 135 DEG 36 %
TSH +1.0
20 PLANT SCE SONGS
UNIT# I
S/G B
LEG INLET
DATE 1980
ZETEC Inc. - 1983
Edition 12.0 Rev 1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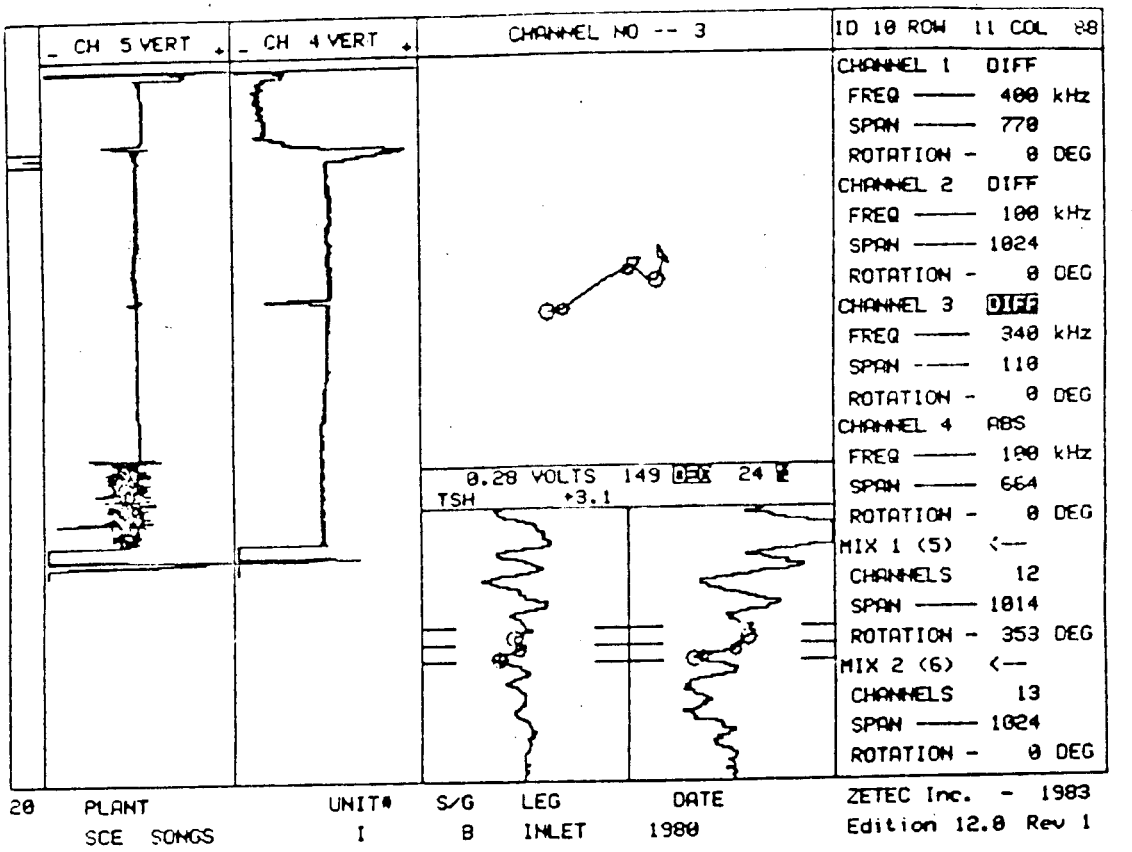
CHAN# -- M 1V
CHANS -- 3-5
SPAN ----- 150
ROTATION - 456 DEG
RIGHT STRIP CHART
CHAN# -- 5V
FREQ ----- 100 KHz
SPAN ----- 150
ROTATION - 303 DEG
SYSTEM CONFIGURATION
NAME -- BOBBIN
# of CHAN- 8
5:53:49 AM
DECEMBER 14 1985
COIL#
FREQ
400
140
100
10
HT-TF
146 DEG
15
PLANT
SONOS DISK H03
UNIT#
1
S/G
B
LEG
HOT
DATE
12/13/85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ROTATION - 0 DEG
CHANNEL 3 DIFF
FREQ —— 340 kHz
SPAN —— 110
ROTATION - 0 DEG
CHANNEL 4 ABS
FREQ —— 100 kHz
SPAN —— 664
ROTATION - 0 DEG
MIX 1 (5) <—
CHANNELS 12
SPAN —— 1014
ROTATION - 353 DEG
MIX 2 (6) <—
CHANNELS 13
SPAN —— 1024
ROTATION - 0 DEG
0.28 VOLTS 149 DEG 24
TSH +3.1
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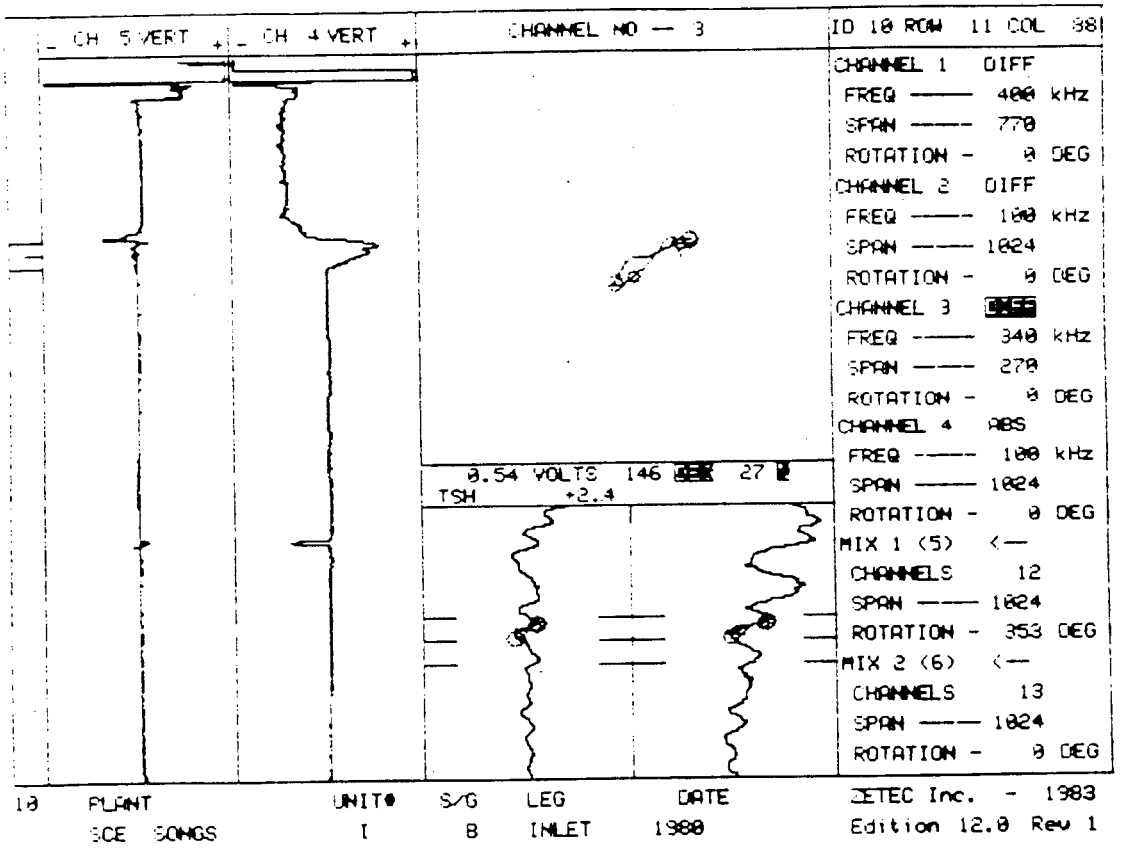
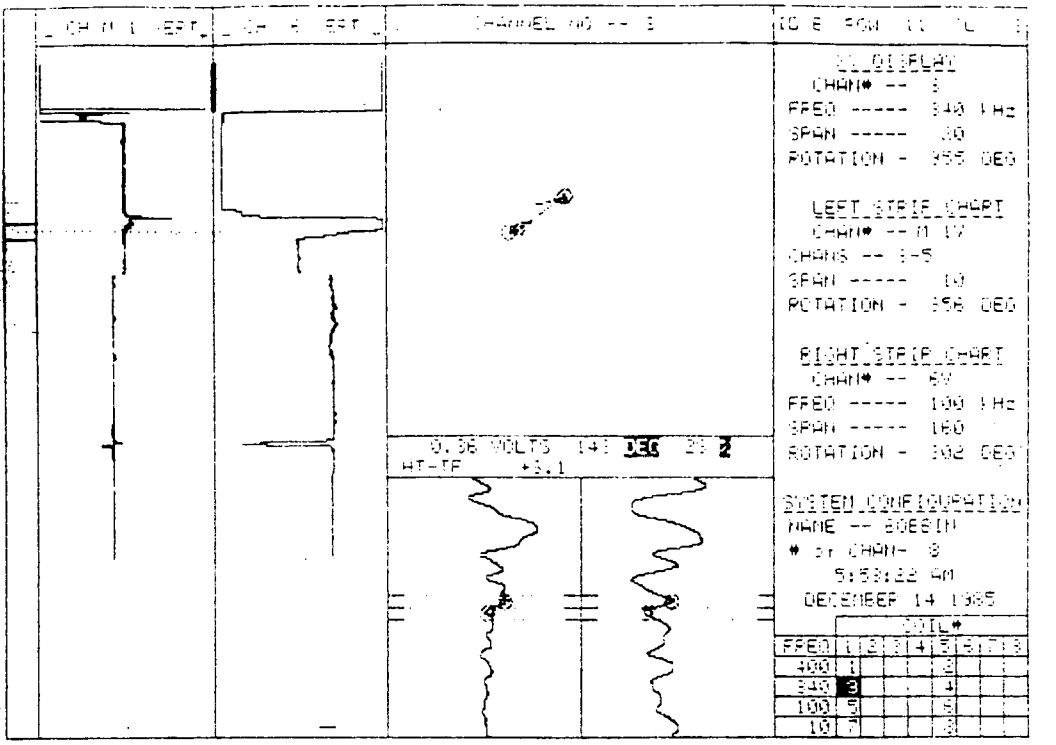
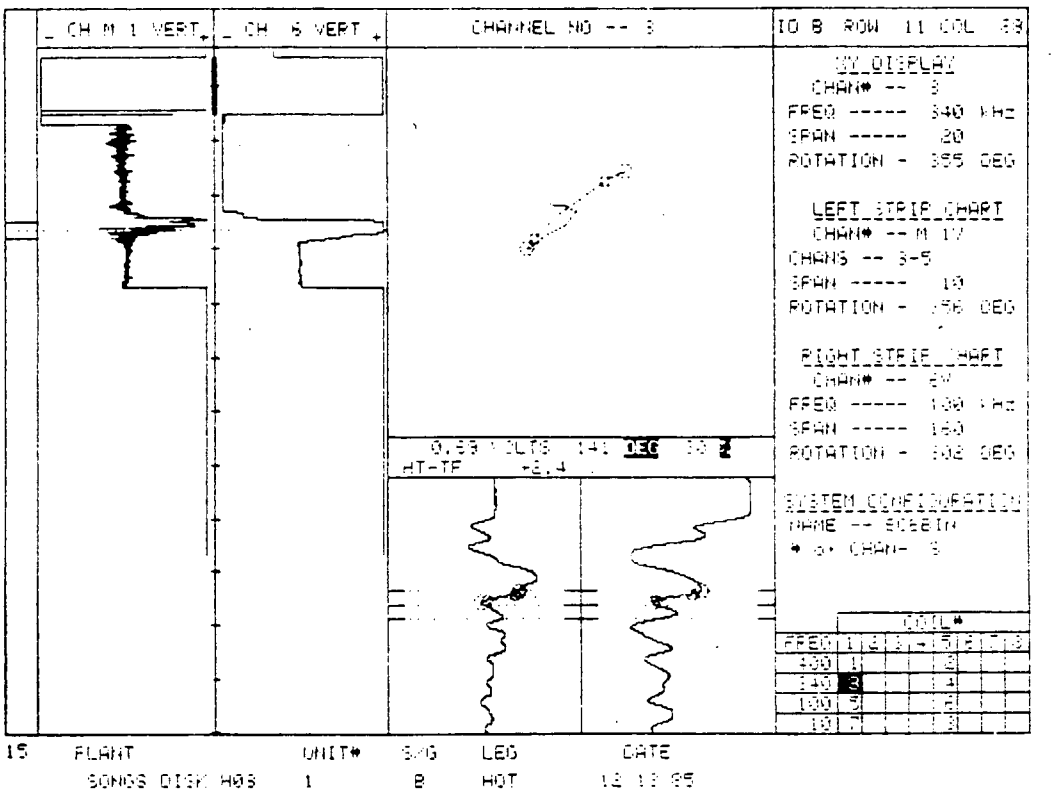
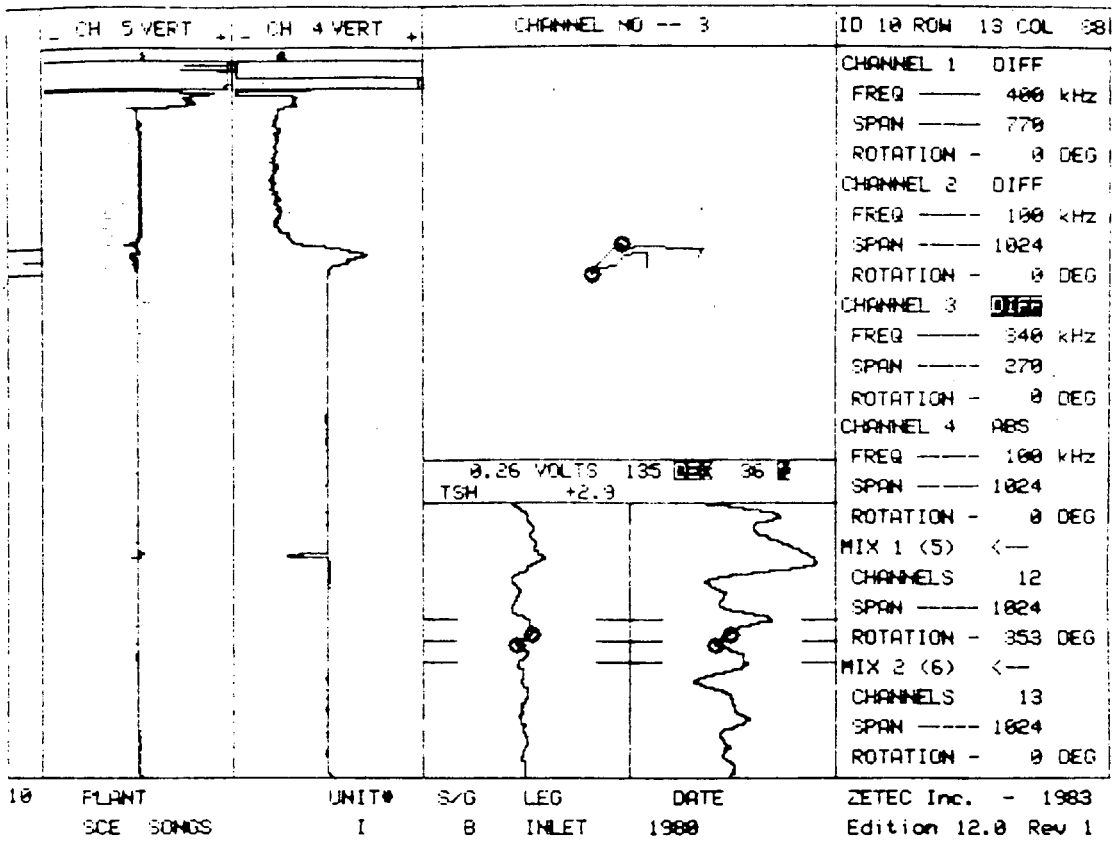
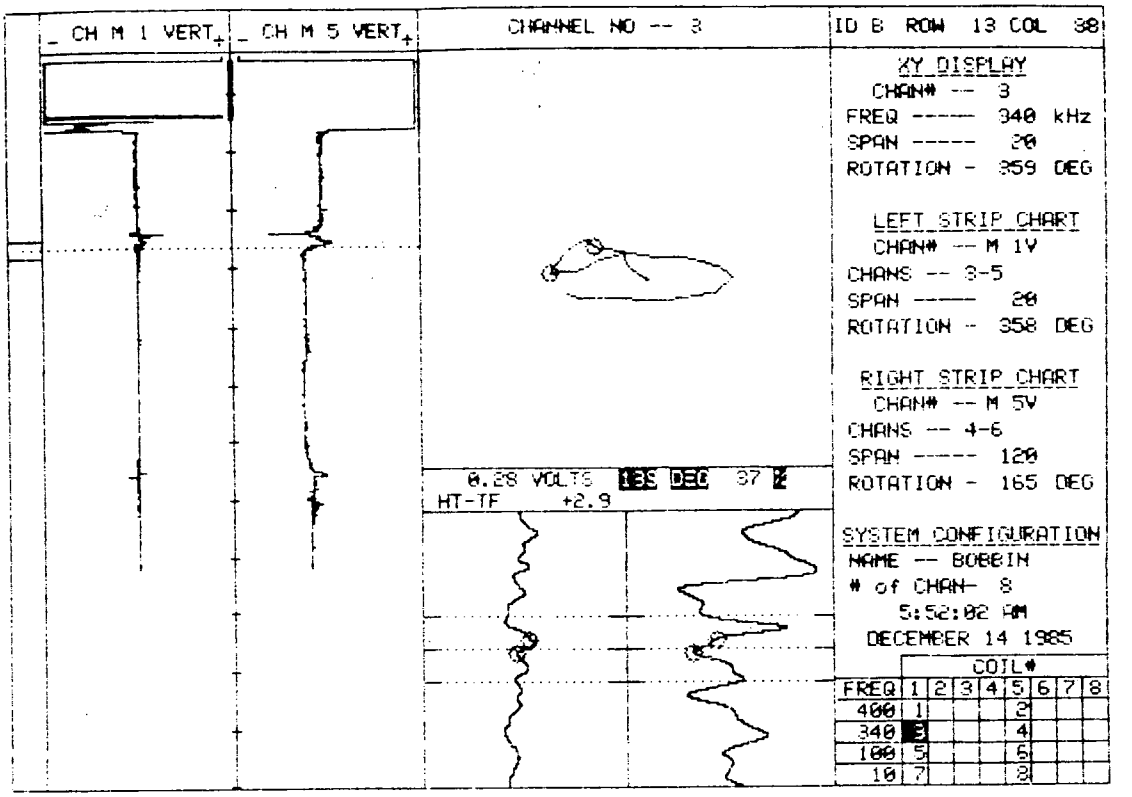
S/G B
LEG INLET
DATE 1980
ZETEC Inc. - 1983
Edition 12.0 Rev 1

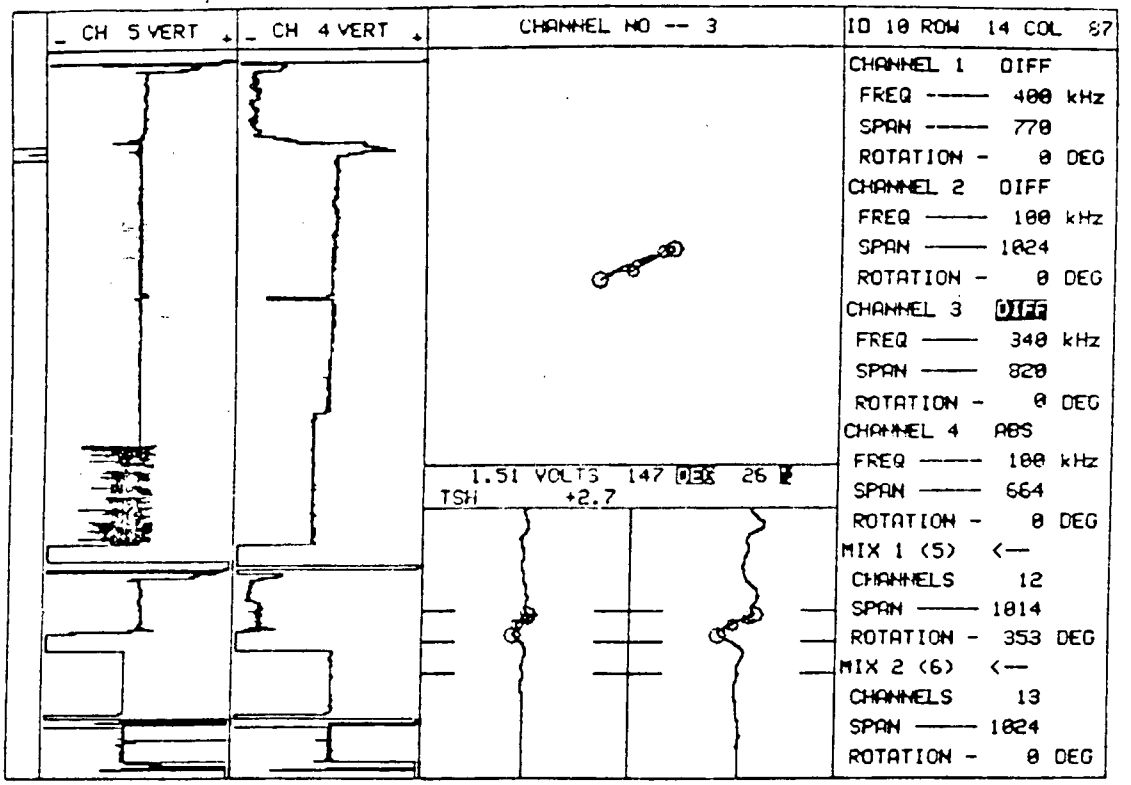

CH 5 VERT
CH 4 VERT
CHANNEL NO — 3
ID 10 ROW 11 COL 88
CHANNEL 1 DIFF
FREQ —— 400 kHz
SPAN —— 770
ROTATION - 0 DEG
CHANNEL 2 DIFF
FREQ —— 100 kHz
SPAN —— 1024
ROTATION - 0 DEG
CHANNEL 3 DIFF
FREQ —— 340 kHz
SPAN —— 270
ROTATION - 0 DEG
CHANNEL 4 ABS
FREQ —— 100 kHz
SPAN —— 1024
ROTATION - 0 DEG
MIX 1 (5) <—
CHANNELS 12
SPAN —— 1024
ROTATION - 353 DEG
MIX 2 (6) <—
CHANNELS 13
SPAN —— 1024
ROTATION - 0 DEG
0.54 VOLTS 146 DEG 27
TSH +2.4
10 PLANT SCE SONGS
UNIT# I
S/G B
LEG INLET
DATE 1980
ZETEC Inc. - 1983
Edition 12.0 Rev 1

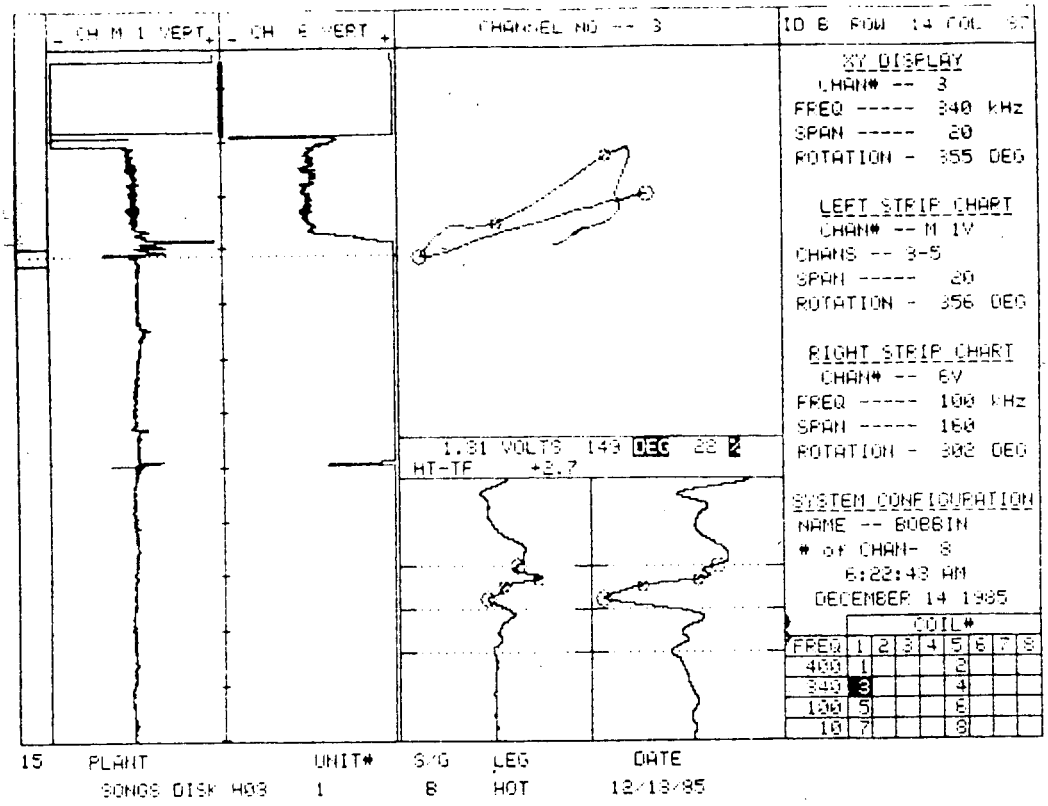

CH M 1 VERT
CH 6 VERT
CHANNEL NO -- 3
IO B ROW 11 COL 33
UV DISPLAY
CHAN# -- 3
FREQ ----- 340 KHz
SPAN ----- 20
ROTATION - 355 DEG
LEFT STRIP CHART
CHAN# -- M 1V
CHANS -- 3-5
SPAN ----- 10
ROTATION - 356 DEG
RIGHT STRIP CHART
CHAN# -- 6V
FREQ ----- 100 KHz
SPAN ----- 160
ROTATION - 302 DEG
SYSTEM CONFIGURATION
NAME -- SOBBIN
# of CHAN- 8
5:53:22 PM
DECEMBER 14 1995
0.38 VOLTS 141 DEG 30 %
HT-TF +3.1
COIL#
FREQ 1 2 3 4 5 6 7 8
400 1 3
340 3 4
100 5 5
10 7 8
15 PLANT UNIT# S/G LEG DATE
SONGS DISK H03 1 B HOT 12 13 95

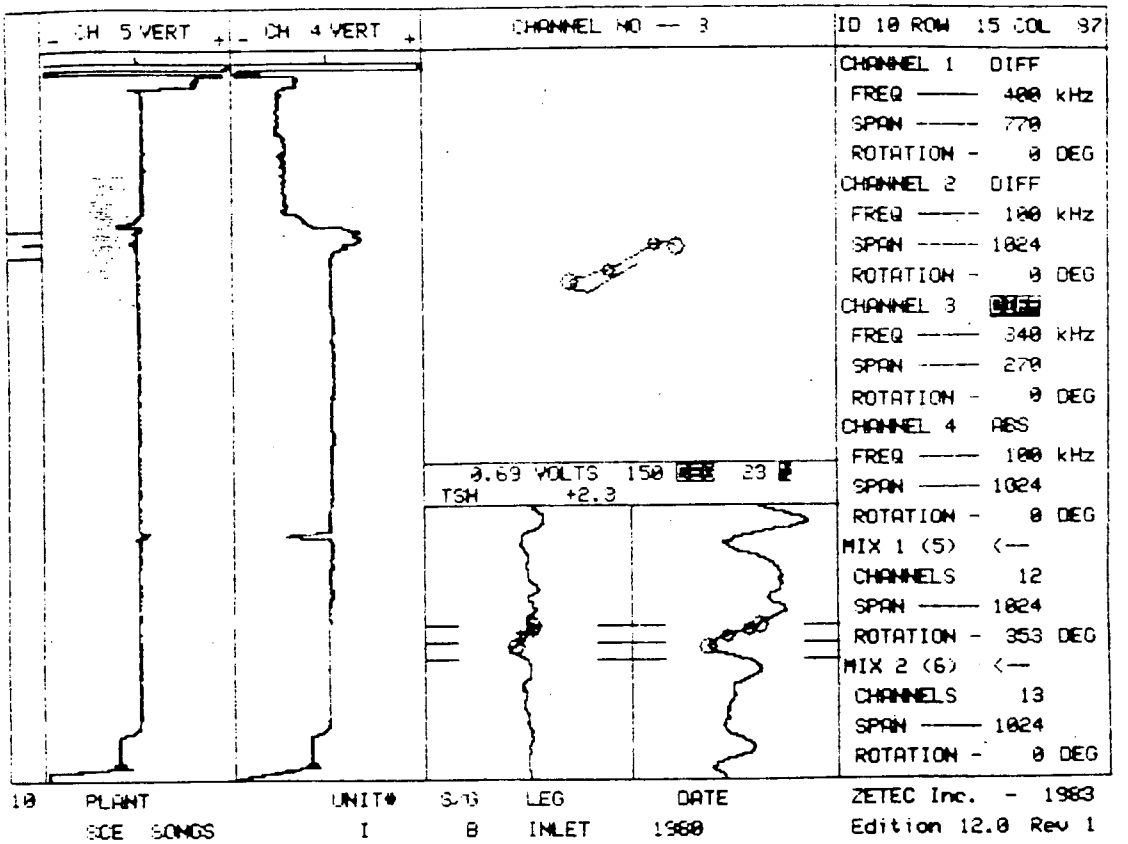

CH M 1 VERT
CH 6 VERT
CHANNEL NO -- 3
IO B ROW 11 COL 33
UV DISPLAY
CHAN# -- 3
FREQ ----- 340 KHz
SPAN ----- 20
ROTATION - 355 DEG
LEFT STRIP CHART
CHAN# -- M 1V
CHANS -- 3-5
SPAN ----- 10
ROTATION - 356 DEG
RIGHT STRIP CHART
CHAN# -- 6V
FREQ ----- 100 KHz
SPAN ----- 160
ROTATION - 302 DEG
SYSTEM CONFIGURATION
NAME -- SOBBIN
# of CHAN- 8
0.38 VOLTS 141 DEG 30 %
HT-TF +3.1
COIL#
FREQ 1 2 3 4 5 6 7 8
400 1 3
340 3 4
100 5 5
10 7 8
15 PLANT UNIT# S/G LEG DATE
SONGS DISK H03 1 B HOT 12 13 95

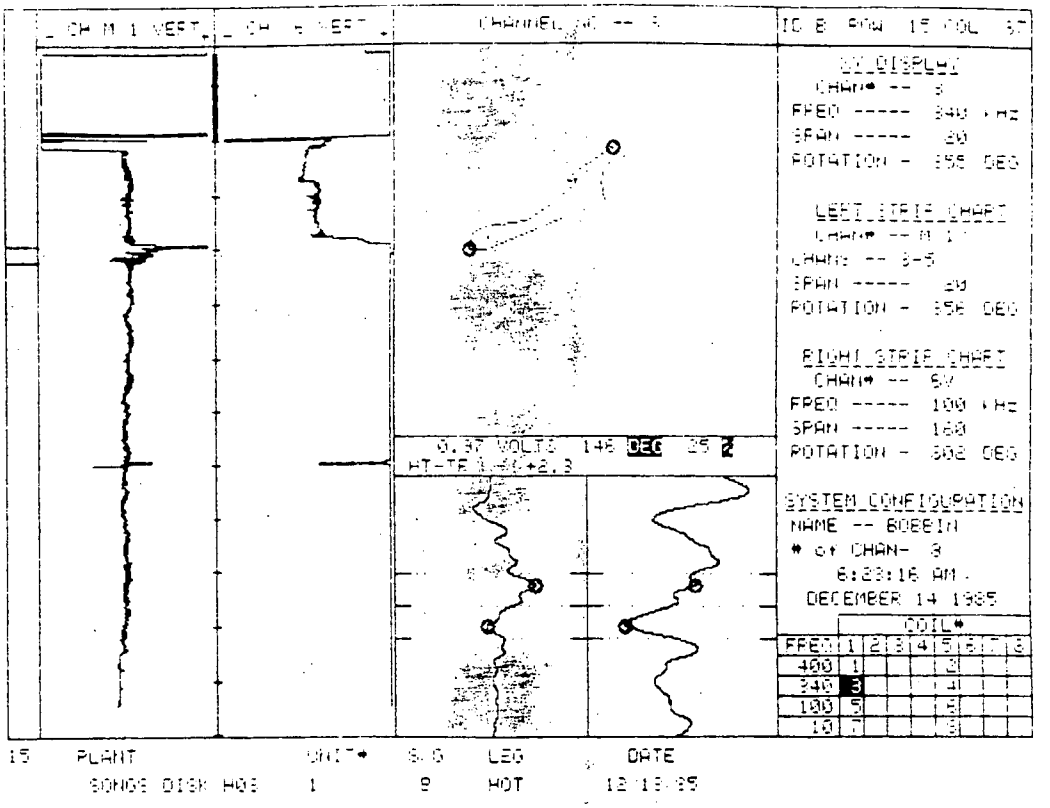

CH 5 VERT
CH 4 VERT
CHANNEL NO -- 3
ID 10 ROW 13 COL 58
CHANNEL 1 DIFF
FREQ 400 kHz
SPAN 770
ROTATION - 0 DEG
CHANNEL 2 DIFF
FREQ 100 kHz
SPAN 1024
ROTATION - 0 DEG
CHANNEL 3 DIFF
FREQ 340 kHz
SPAN 270
ROTATION - 0 DEG
CHANNEL 4 ABS
FREQ 100 kHz
SPAN 1024
ROTATION - 0 DEG
0.26 VOLTS 135 DEG 36
TSH +2.9
MIX 1 (5) <—
CHANNELS 12
SPAN 1024
ROTATION - 353 DEG
MIX 2 (6) <—
CHANNELS 13
SPAN 1024
ROTATION - 0 DEG
10 PLANT UNIT# S/G LEG DATE
SCE SONGS I 8 INLET 1980
ZETEC Inc. - 1983
Edition 12.0 Rev 1


CH M 1 VERT
CH M 5 VERT
CHANNEL NO -- 3
ID B ROW 13 COL 38
XY DISPLAY
CHAN# -- 3
FREQ ------ 340 kHz
SPAN ------ 20
ROTATION - 359 DEG
LEFT STRIP CHART
CHAN# -- M 1V
CHANS -- 3-5
SPAN ------ 20
ROTATION - 358 DEG
RIGHT STRIP CHART
CHAN# -- M 5V
CHANS -- 4-6
SPAN ------ 120
ROTATION - 165 DEG
0.28 VOLTS
HT-TF +2.9
SYSTEM CONFIGURATION
NAME -- BOBBIN
# of CHAN- 8
5:52:02 PM
DECEMBER 14 1985
COIL#
FREQ 1 2 3 4 5 6 7 8
400 1 2
340 3 4
100 5 6
10 7 8


CH 5 VERT
CH 4 VERT
CHANNEL NO -- 3
ID 10 ROW 14 COL 87
CHANNEL 1 DIFF
FREQ ——— 400 kHz
SPAN ——— 770
ROTATION - 0 DEG
CHANNEL 2 DIFF
FREQ ——— 100 kHz
SPAN ——— 1024
ROTATION - 0 DEG
CHANNEL 3 DIFF
FREQ ——— 340 kHz
SPAN ——— 820
ROTATION - 0 DEG
CHANNEL 4 ABS
FREQ ——— 100 kHz
SPAN ——— 664
ROTATION - 0 DEG
MIX 1 (5) <—
CHANNELS 12
SPAN ——— 1014
ROTATION - 353 DEG
MIX 2 (6) <—
CHANNELS 13
SPAN ——— 1024
ROTATION - 0 DEG
1.51 VOLTS 147 DEG 26
TSH +2.7
20 PLANT UNIT# S/G LEG DATE
SCE SONGS I B INLET 1980
ZETEC Inc. - 1983
Edition 12.0 Rev 1


CH M 1 VERT
CH E VERT
CHANNEL NO -- 3
ID B ROW 14 COL 57
XY DISPLAY
CHAN# -- 3
FREQ ----- 340 kHz
SPAN ----- 20
ROTATION - 355 DEG
LEFT STRIP CHART
CHAN# -- M 1V
CHANS -- 3-5
SPAN ----- 20
ROTATION - 356 DEG
RIGHT STRIP CHART
CHAN# -- 6V
FREQ ----- 100 kHz
SPAN ----- 160
ROTATION - 302 DEG
SYSTEM CONFIGURATION
NAME -- BOBBIN
# of CHAN- 8
6:22:43 AM
DECEMBER 14 1985
1.31 VOLTS 149 DEG 22 %
MIX-TF +2.7
COIL#
FREQ 1 2 3 4 5 6 7 8
400 1 2
340 3 4
100 5 6
10 7 8
15 PLANT
BONDS DISK H03
UNIT# 1
S/G B
LEG HOT
DATE 12/13/85


CH 5 VERT
CH 4 VERT
CHANNEL NO — 3
ID 10 ROW 15 COL 87
CHANNEL 1 DIFF
FREQ —— 400 kHz
SPAN —— 770
ROTATION - 0 DEG
CHANNEL 2 DIFF
FREQ —— 100 kHz
SPAN —— 1024
ROTATION - 0 DEG
CHANNEL 3
FREQ —— 340 kHz
SPAN —— 270
ROTATION - 0 DEG
CHANNEL 4 ABS
FREQ —— 100 kHz
SPAN —— 1024
ROTATION - 0 DEG
MIX 1 (5) <—
CHANNELS 12
SPAN —— 1024
ROTATION - 353 DEG
MIX 2 (6) <—
CHANNELS 13
SPAN —— 1024
ROTATION - 0 DEG
0.69 VOLTS 150 23
TSH +2.3
10 PLANT UNIT# SG LEG DATE
SCE SONGS I 8 INLET 1980
ZETEC Inc. - 1983
Edition 12.0 Rev 1



IC B RAW 15 VOL 37

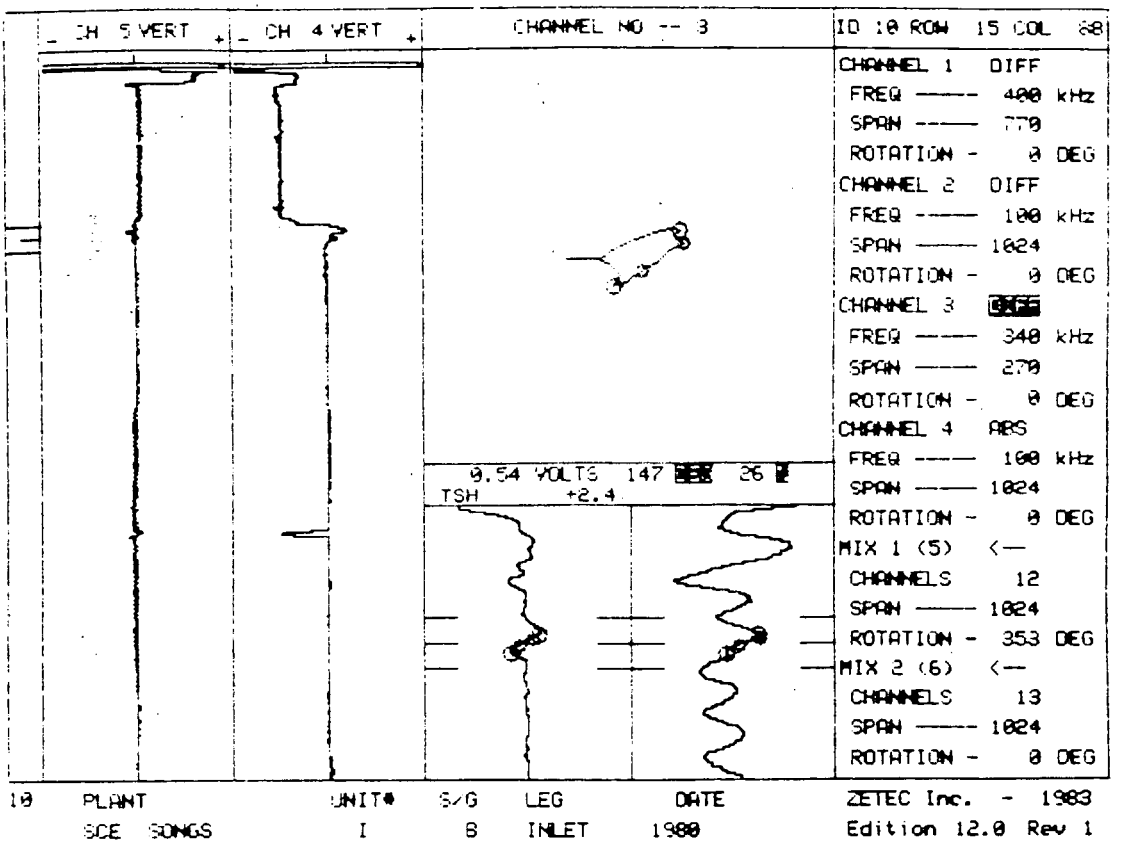
2D DISPLAY
CHAN# -- 3
FREQ ----- 340 KHz
SPAN ----- 20
ROTATION - 355 DEG

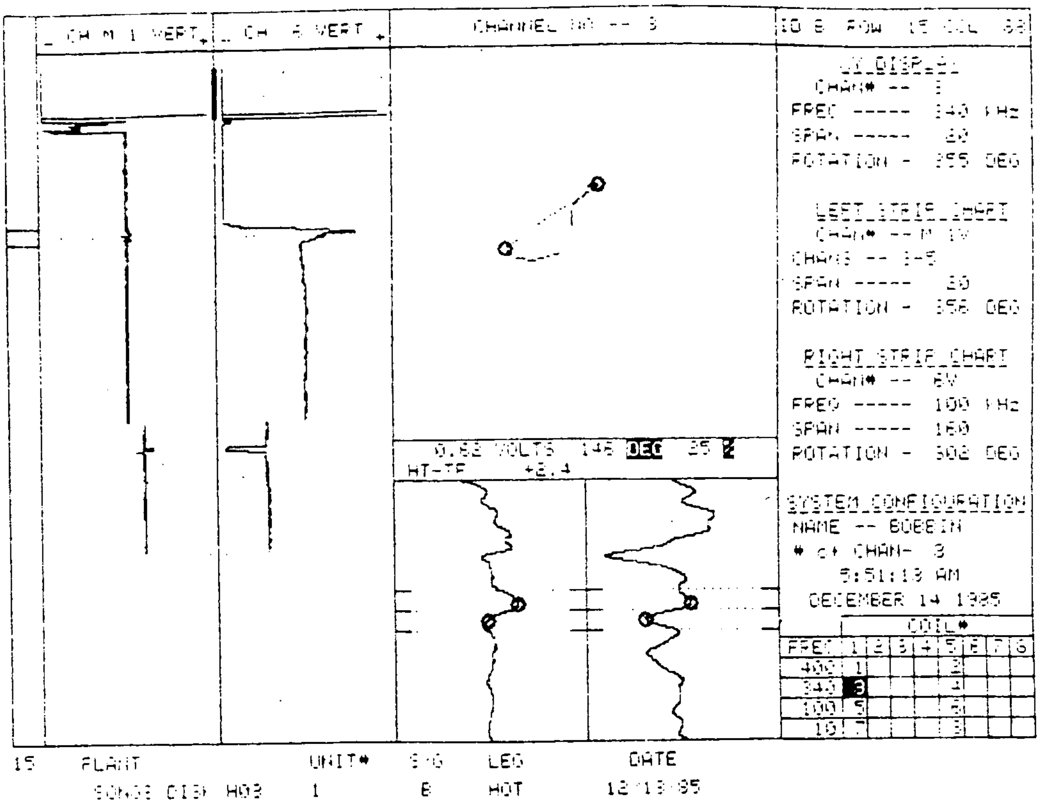
LEFT STRIP CHART
CHAN# -- M 1
CHANS -- 3-5
SPAN ----- 20
ROTATION - 356 DEG

RIGHT STRIP CHART
CHAN# -- SV
FREQ ----- 100 KHz
SPAN ----- 160
ROTATION - 302 DEG

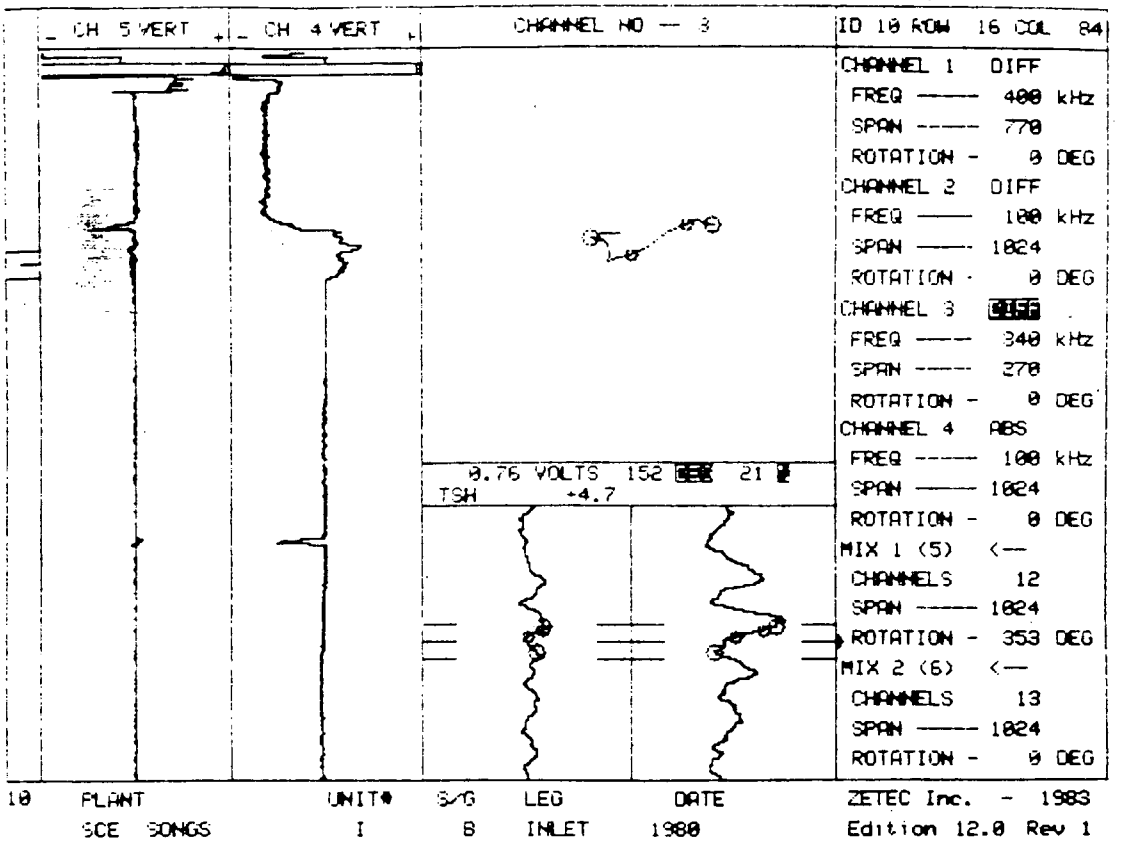
SYSTEM CONFIGURATION
NAME -- BOBBIN
# of CHAN- 8
8:23:16 AM
DECEMBER 14 1985

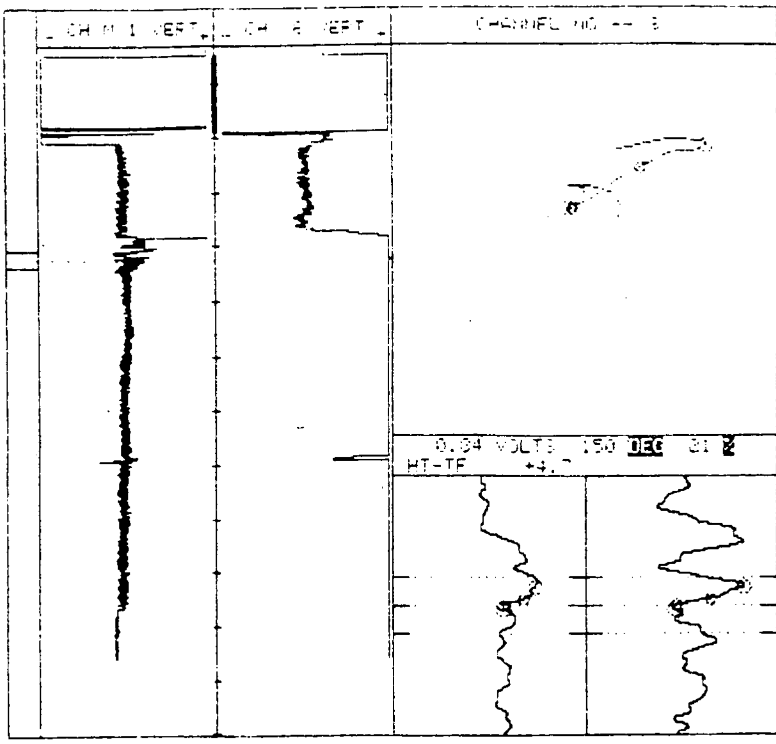
	COIL#							
FREQ	1	2	3	4	5	6	7	8
400	1				3			
340	3				4			
100	5				6			
10	7				8			


- CH 5 VERT +
- CH 4 VERT +
CHANNEL NO -- 3
ID 10 ROW 15 COL 88
CHANNEL 1 DIFF
FREQ ---- 400 kHz
SPAN ---- 770
ROTATION - 0 DEG
CHANNEL 2 DIFF
FREQ ---- 100 kHz
SPAN ---- 1024
ROTATION - 0 DEG
CHANNEL 3
FREQ ---- 340 kHz
SPAN ---- 270
ROTATION - 0 DEG
CHANNEL 4 ABS
FREQ ---- 100 kHz
SPAN ---- 1024
ROTATION - 0 DEG
MIX 1 (5) <—
CHANNELS 12
SPAN ---- 1024
ROTATION - 353 DEG
MIX 2 (6) <—
CHANNELS 13
SPAN ---- 1024
ROTATION - 0 DEG
0.54 VOLTS 147 26
TSH +2.4
10 PLANT UNIT# S/G LEG DATE
SCE SONGS I 8 INLET 1988
ZETEC Inc. - 1983
Edition 12.0 Rev 1



CH M 1 VERT
CH 6 VERT
CHANNEL NO -- 3
ROW 15 COL 68
CHAN# -- 3
FREQ ----- 340 KHz
SPAN ----- 30
ROTATION - 355 DEG
LEFT STRIP CHART
CHANS -- 3-5
SPAN ----- 30
ROTATION - 356 DEG
RIGHT STRIP CHART
CHAN# -- 6V
FREQ ----- 100 KHz
SPAN ----- 160
ROTATION - 302 DEG
0.82 VOLTS 146 DEG
HT-TF +2.4
SYSTEM CONFIGURATION
NAME -- BOBBIN
# of CHAN- 8
5:51:13 AM
DECEMBER 14 1985
COIL#
FREQ 1 2 3 4 5 6 7 8
400 1 2
340 3 4
100 5 6
10 7 8
15 PLANT
UNIT# S/G LEG DATE
1 B HOT


CH 5 VERT
CH 4 VERT
CHANNEL NO — 3
ID 10 ROW 16 COL 84
CHANNEL 1 DIFF
FREQ —— 400 kHz
SPAN ---- 770
ROTATION - 0 DEG
CHANNEL 2 DIFF
FREQ —— 100 kHz
SPAN —— 1024
ROTATION - 0 DEG
CHANNEL 3
FREQ —— 340 kHz
SPAN ---- 270
ROTATION - 0 DEG
CHANNEL 4 ABS
FREQ ---- 100 kHz
SPAN —— 1024
ROTATION - 0 DEG
MIX 1 (5) <—
CHANNELS 12
SPAN ---- 1024
ROTATION - 353 DEG
MIX 2 (6) <—
CHANNELS 13
SPAN —— 1024
ROTATION - 0 DEG
0.76 VOLTS 152 21
TSH +4.7
10 PLANT SCE SONGS
UNIT# I
S/G B
LEG INLET
DATE 1980
ZETEC Inc. - 1983
Edition 12.0 Rev 1



ID 6 ROW 15 COL 34

X-Y DISPLAY
CHAN# -- 3
FREQ ----- 340 kHz
SPAN ----- 30
ROTATION - 155 DEG

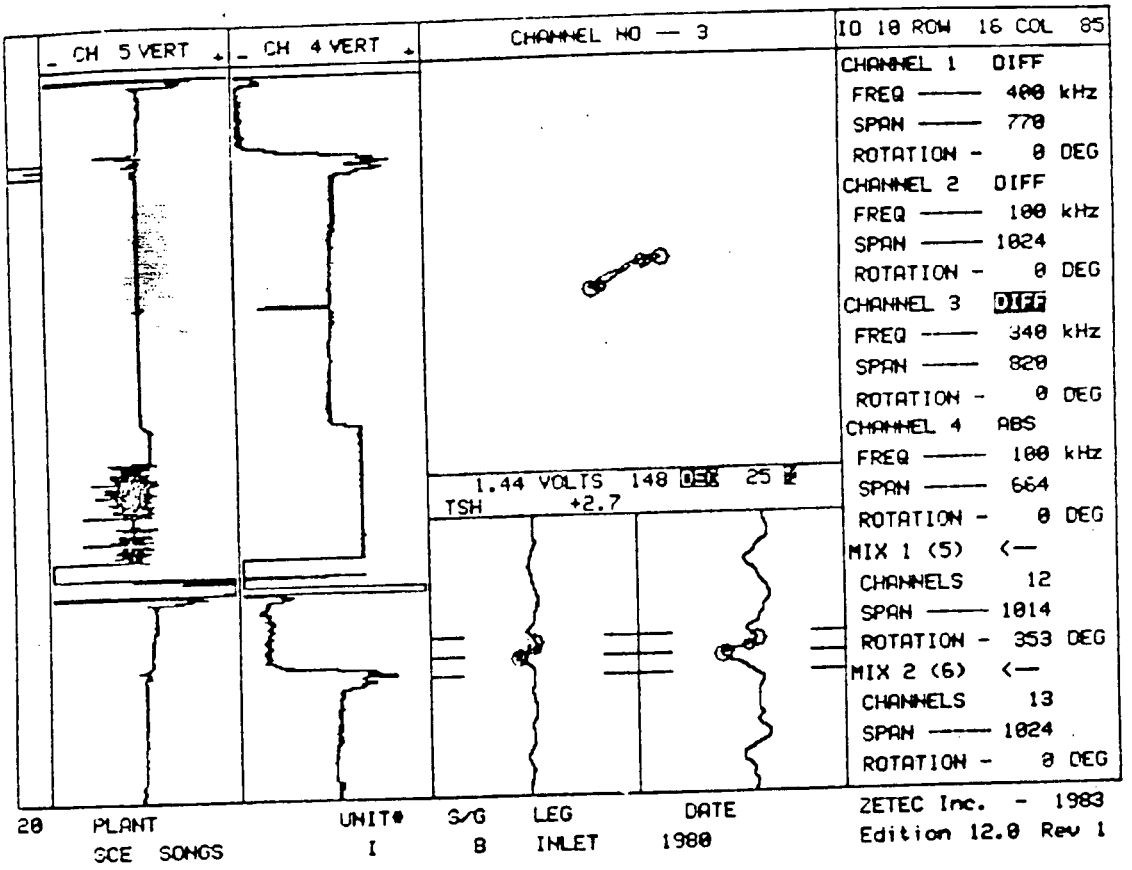
LEFT STRIP CHART
CHAN# -- M 1V
CHANS -- 3-5
SPAN ----- 20
ROTATION - 356 DEG

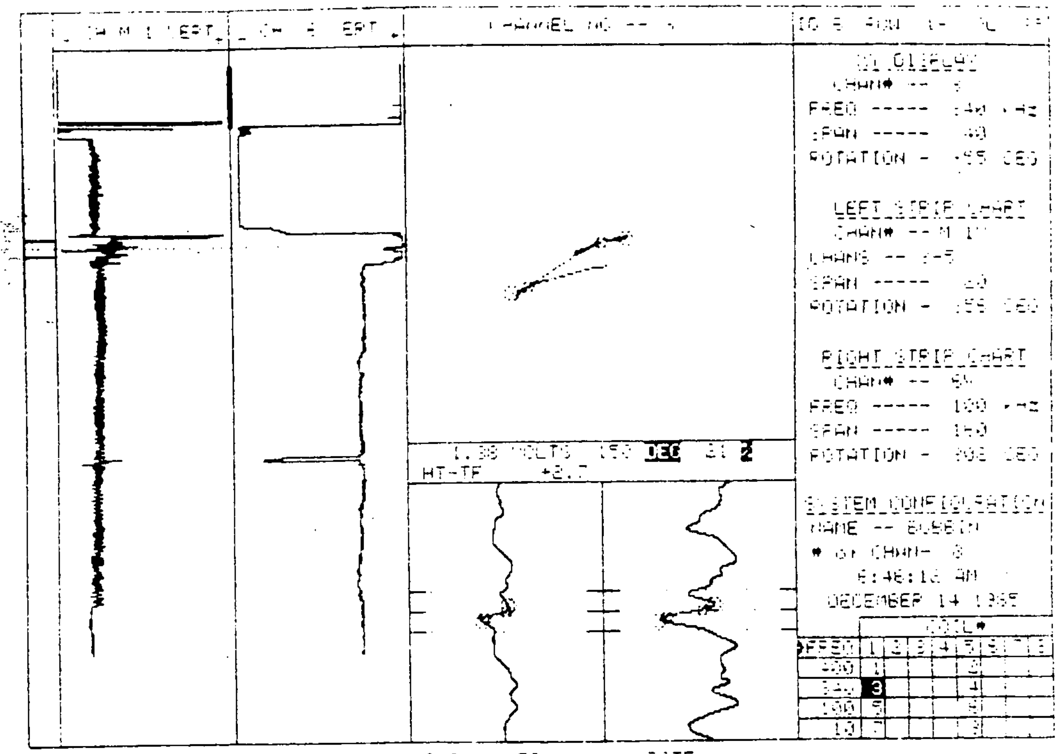
RIGHT STRIP CHART
CHAN# -- 6V
FREQ ----- 100 kHz
SPAN ----- 160
ROTATION - 302 DEG

SYSTEM CONFIGURATION
NAME -- BOBBIN
# of CHAN- 8
6:49:11 AM
DECEMBER 14 1985

	COIL#							
FREQ	1	2	3	4	5	6	7	8
400	1				2			
340	3				4			
100	5				6			
10	7				8			

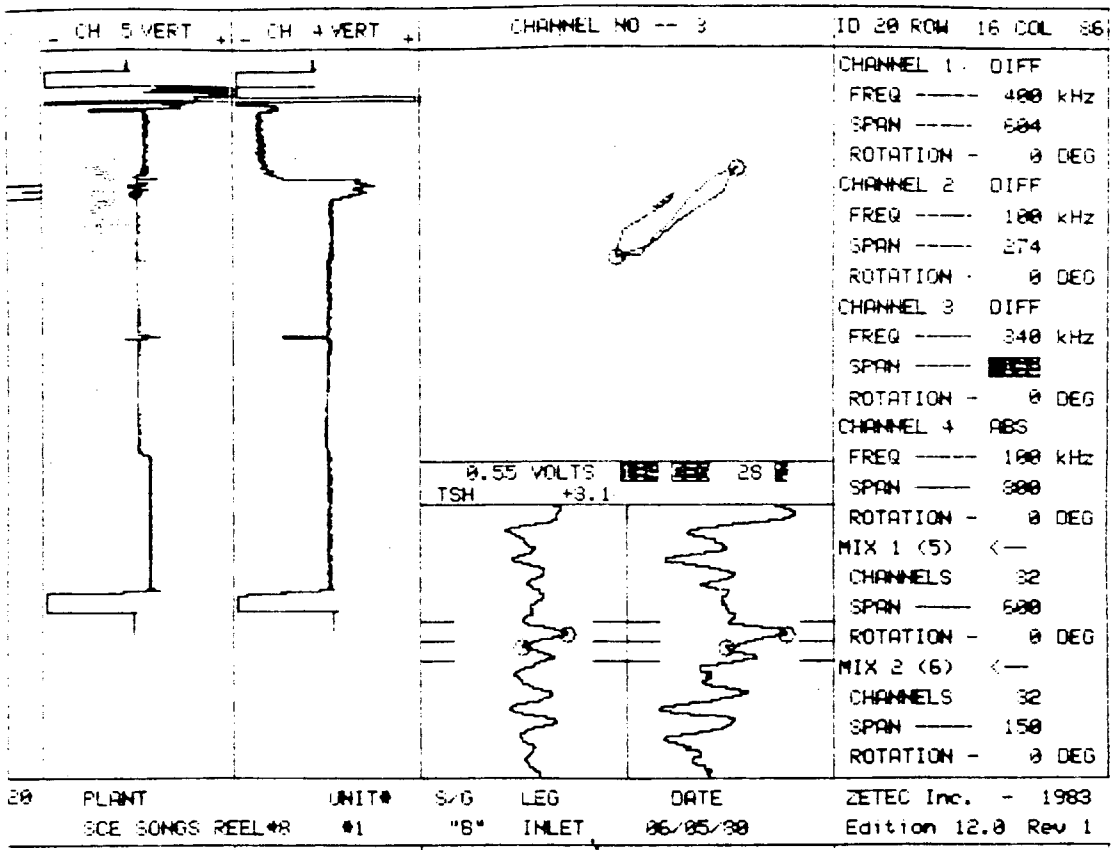
15	PLANT	UNIT#	S/G	LEG	DATE
	SONGS DIGY H03	1	B	HOT	12 13 85

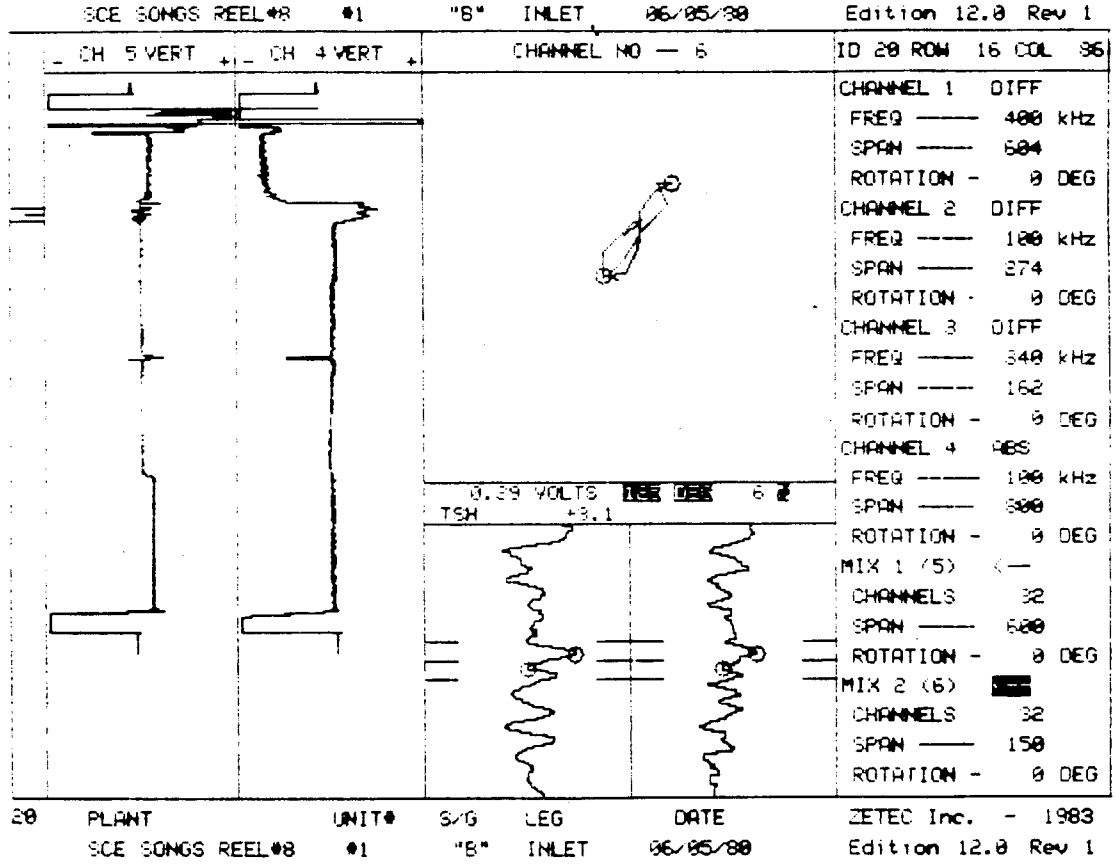

CH 5 VERT
CH 4 VERT
CHANNEL NO — 3
IO 10 ROW 16 COL 85
CHANNEL 1 DIFF
FREQ —— 400 kHz
SPAN —— 770
ROTATION - 0 DEG
CHANNEL 2 DIFF
FREQ —— 100 kHz
SPAN —— 1024
ROTATION - 0 DEG
CHANNEL 3 DIFF
FREQ —— 340 kHz
SPAN —— 820
ROTATION - 0 DEG
CHANNEL 4 ABS
FREQ —— 100 kHz
SPAN —— 664
ROTATION - 0 DEG
MIX 1 (5) <—
CHANNELS 12
SPAN —— 1014
ROTATION - 353 DEG
MIX 2 (6) <—
CHANNELS 13
SPAN —— 1024
ROTATION - 0 DEG
1.44 VOLTS 148 DEG 25 %
TSH +2.7
20 PLANT SCE SONGS
UNIT# I
S/G B
LEG INLET
DATE 1980
ZETEC Inc. - 1983
Edition 12.0 Rev 1

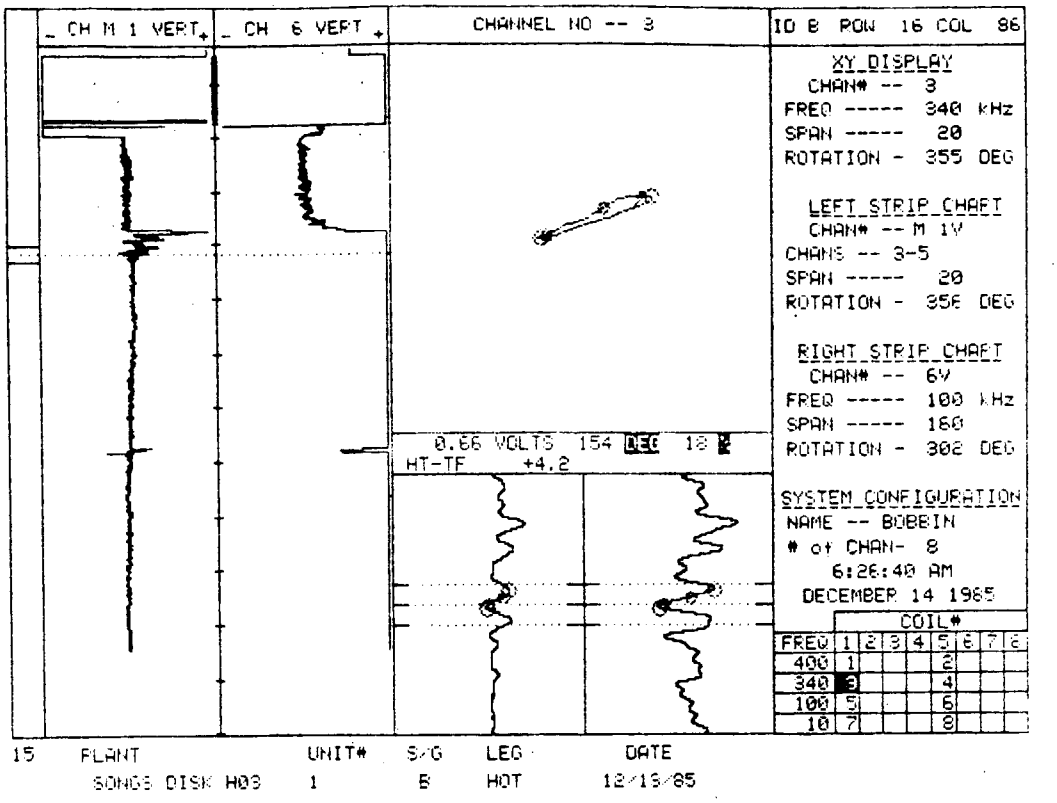


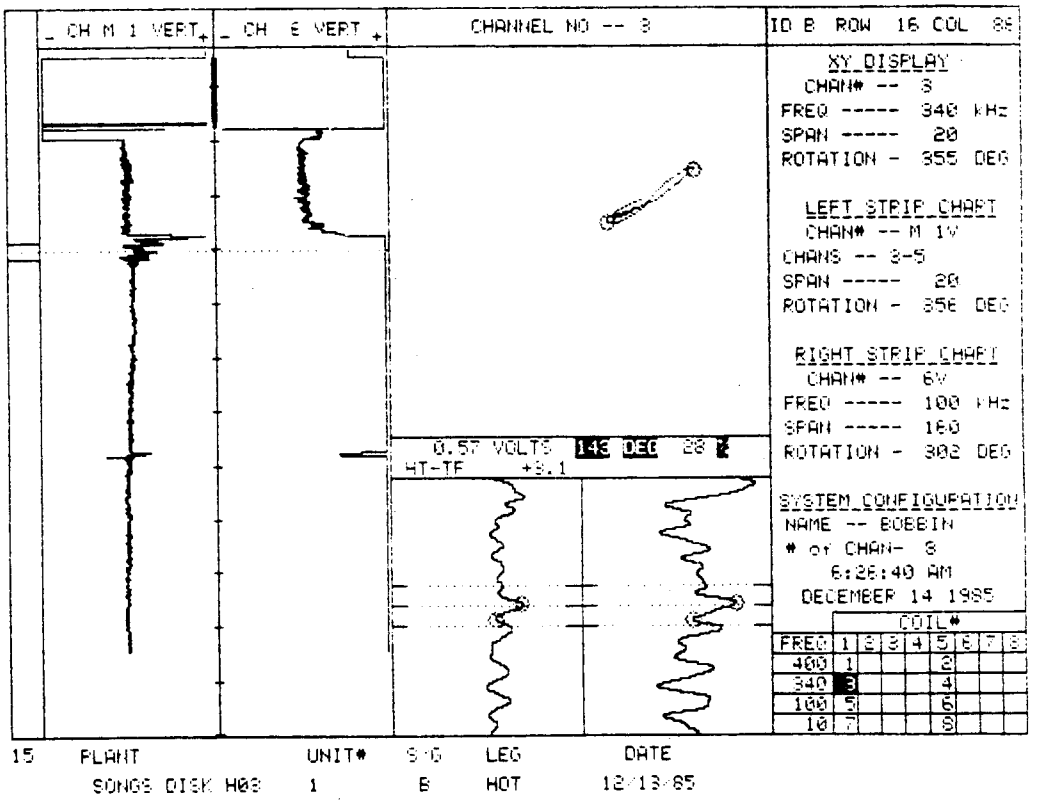
15 PLANT UNIT# S/G LEG DATE

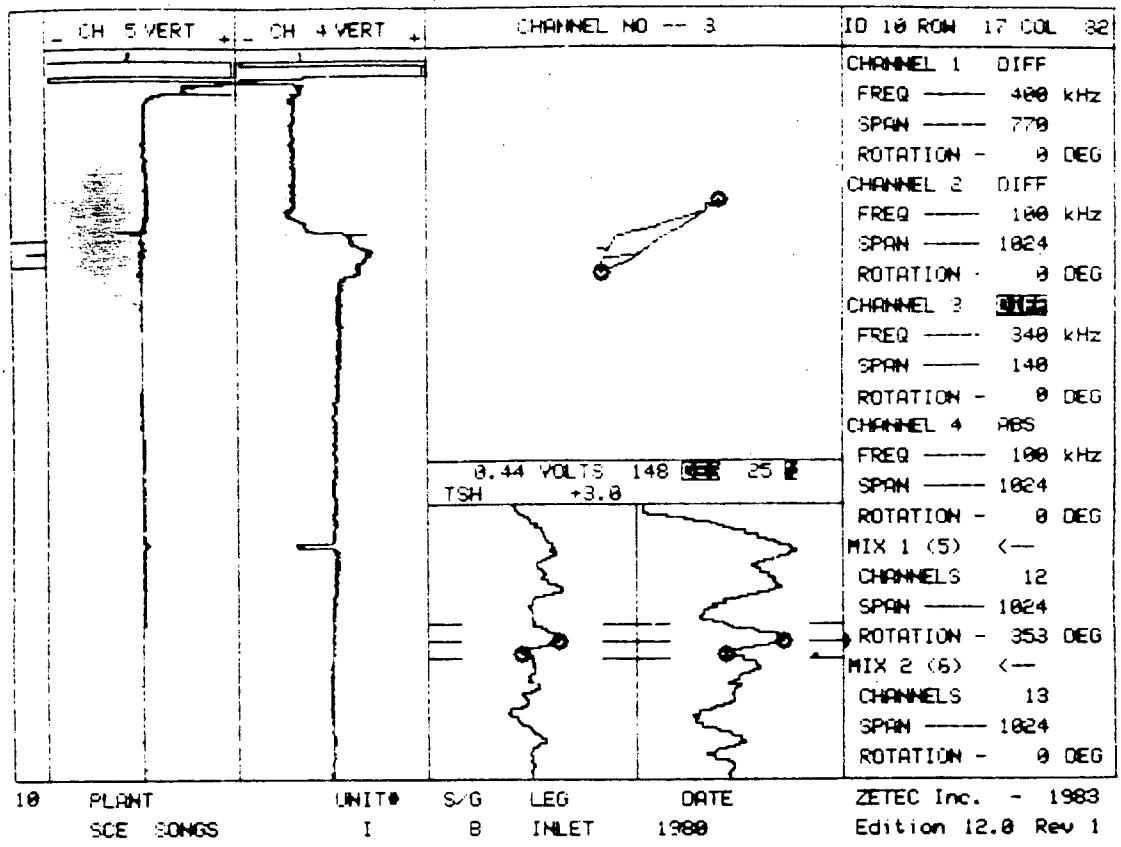
SONGS DISK H03 1 B HOT 12/13/88

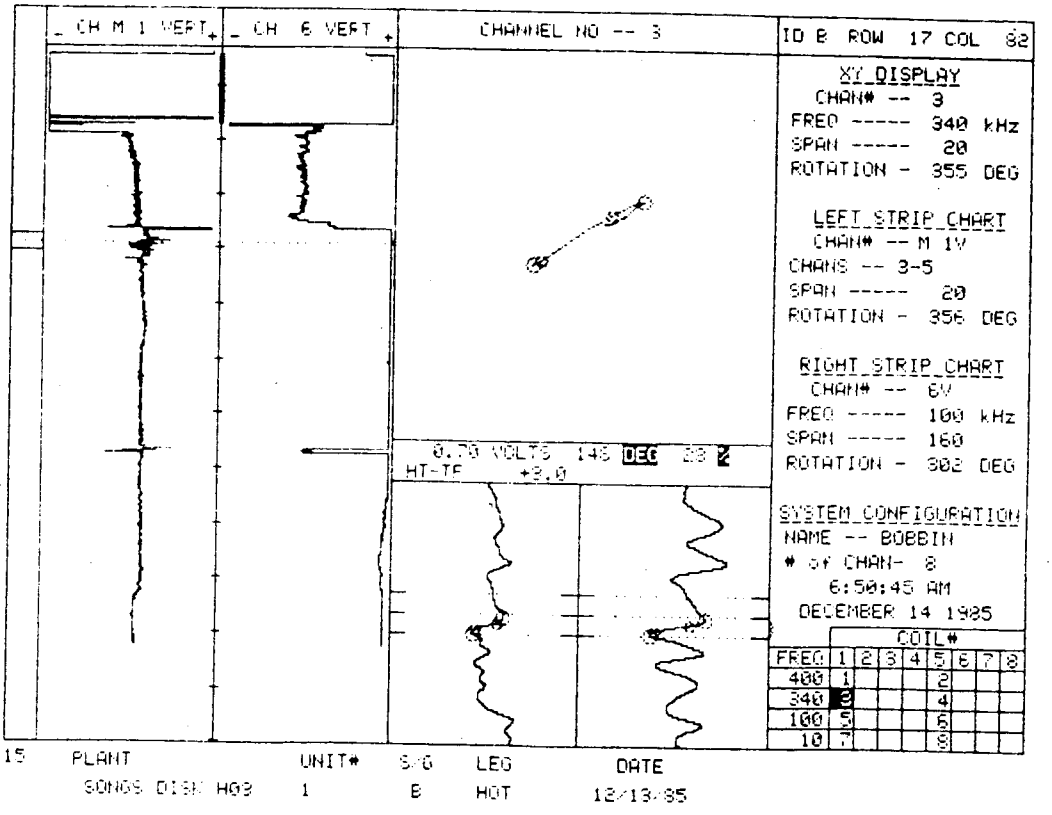

CH 5 VERT
CH 4 VERT
CHANNEL NO -- 3
ID 20 ROW 16 COL 86
CHANNEL 1 DIFF
FREQ ----- 400 kHz
SPAN ----- 504
ROTATION - 0 DEG
CHANNEL 2 DIFF
FREQ ----- 100 kHz
SPAN ----- 274
ROTATION - 0 DEG
CHANNEL 3 DIFF
FREQ ----- 340 kHz
SPAN -----
ROTATION - 0 DEG
CHANNEL 4 ABS
FREQ ----- 100 kHz
SPAN ----- 300
ROTATION - 0 DEG
MIX 1 (5) <—
CHANNELS 32
SPAN ----- 500
ROTATION - 0 DEG
MIX 2 (6) <—
CHANNELS 32
SPAN ----- 150
ROTATION - 0 DEG
0.55 VOLTS
TSH +3.1
20 PLANT UNIT# S/G LEG DATE
SCE SONGS REEL#8 #1 "B" INLET 06/05/88
ZETEC Inc. - 1983
Edition 12.0 Rev 1

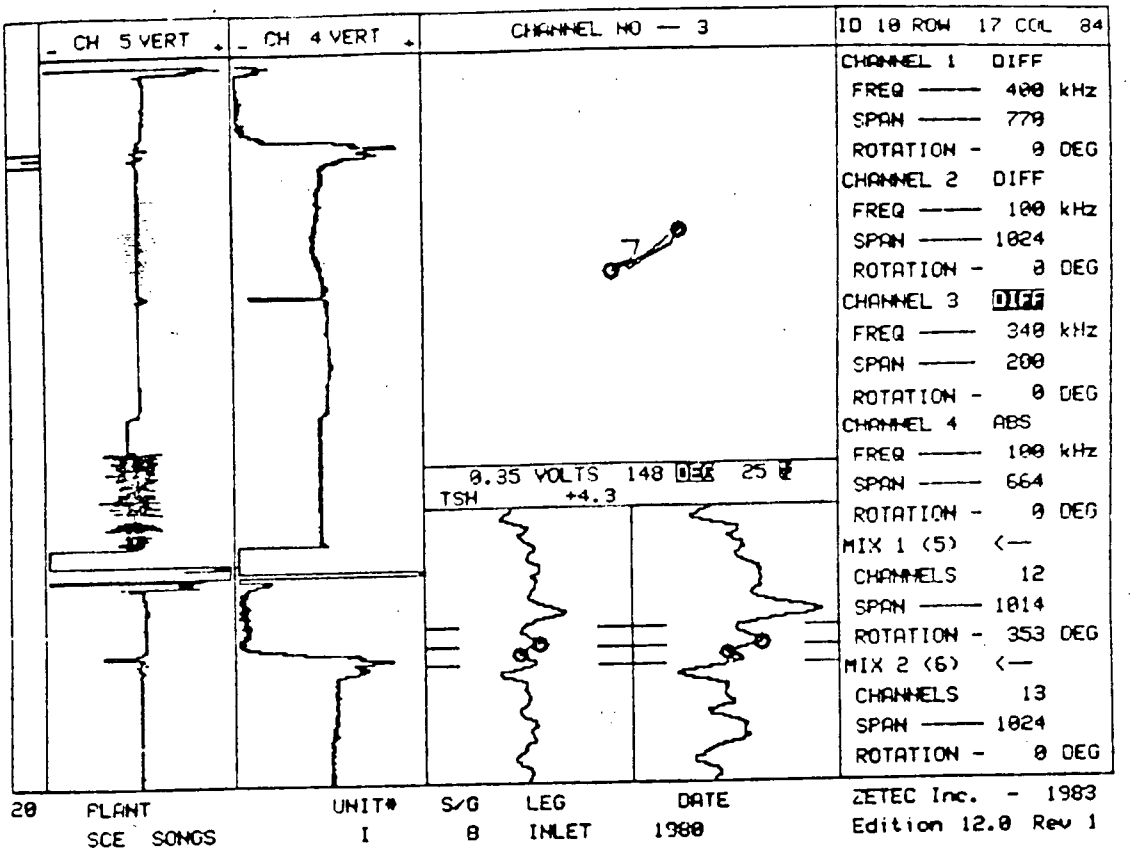

CH 5 VERT
CH 4 VERT
CHANNEL NO — 6
ID 20 ROW 16 COL 86
CHANNEL 1 DIFF
FREQ ----- 400 kHz
SPAN ----- 504
ROTATION - 0 DEG
CHANNEL 2 DIFF
FREQ ----- 100 kHz
SPAN ----- 274
ROTATION - 0 DEG
CHANNEL 3 DIFF
FREQ ----- 340 kHz
SPAN ----- 162
ROTATION - 0 DEG
CHANNEL 4 ABS
FREQ ----- 100 kHz
SPAN ----- 300
ROTATION - 0 DEG
MIX 1 (5) <—
CHANNELS 32
SPAN ----- 500
ROTATION - 0 DEG
MIX 2 (6)
CHANNELS 32
SPAN ----- 150
ROTATION - 0 DEG
0.39 VOLTS
TSH +3.1
20 PLANT UNIT# S/G LEG DATE
SCE SONGS REEL#8 #1 "B" INLET 06/05/88
ZETEC Inc. - 1983
Edition 12.0 Rev 1

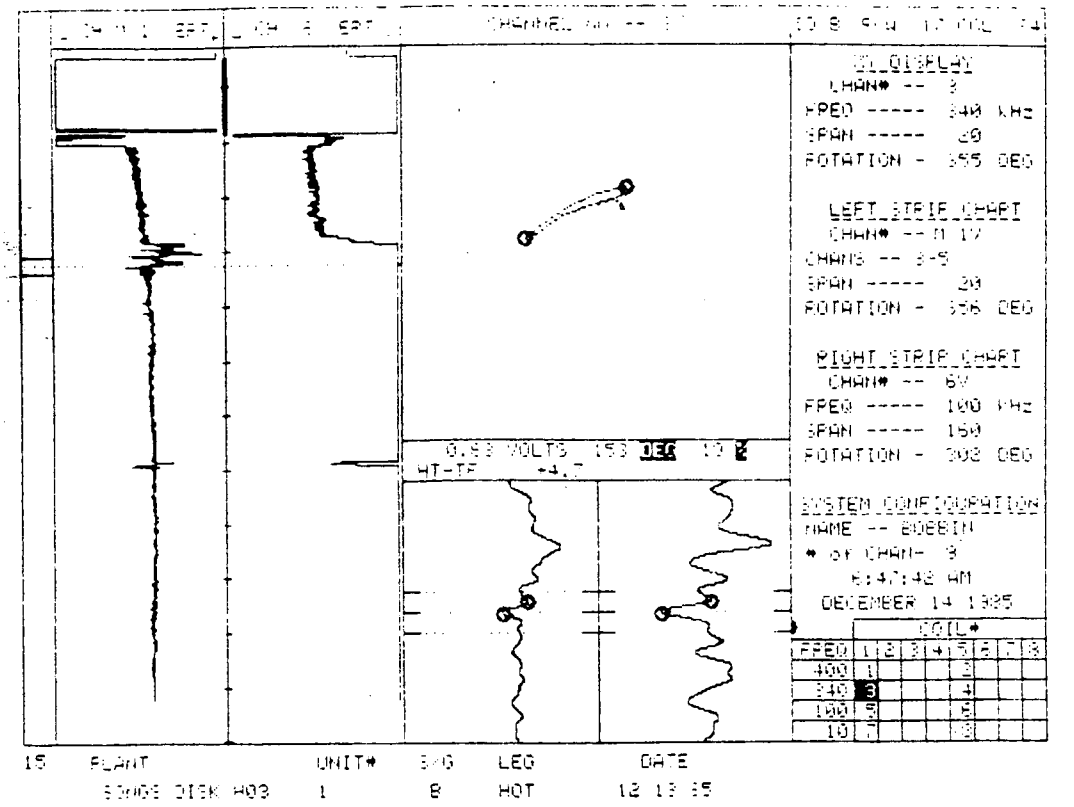

CH M 1 VERT
CH 6 VERT
CHANNEL NO -- 3
ID B ROW 16 COL 86
XY DISPLAY
CHAN# -- 3
FREQ ----- 340 kHz
SPAN ----- 20
ROTATION - 355 DEG
LEFT STRIP CHART
CHAN# -- M 1V
CHANS -- 3-5
SPAN ----- 20
ROTATION - 356 DEG
RIGHT STRIP CHART
CHAN# -- 6V
FREQ ----- 100 kHz
SPAN ----- 160
ROTATION - 302 DEG
SYSTEM CONFIGURATION
NAME -- BOBBIN
# of CHAN- 8
6:26:40 AM
DECEMBER 14 1985
0.66 VOLTS 154 DEG 18
HT-TF +4.2
COIL#
FREQ 1 2 3 4 5 6 7 8
400 1 2
340 3 4
100 5 6
10 7 8
15 PLANT UNIT# S/G LEG DATE
SONGS DISK H03 1 B HOT 12/13/85

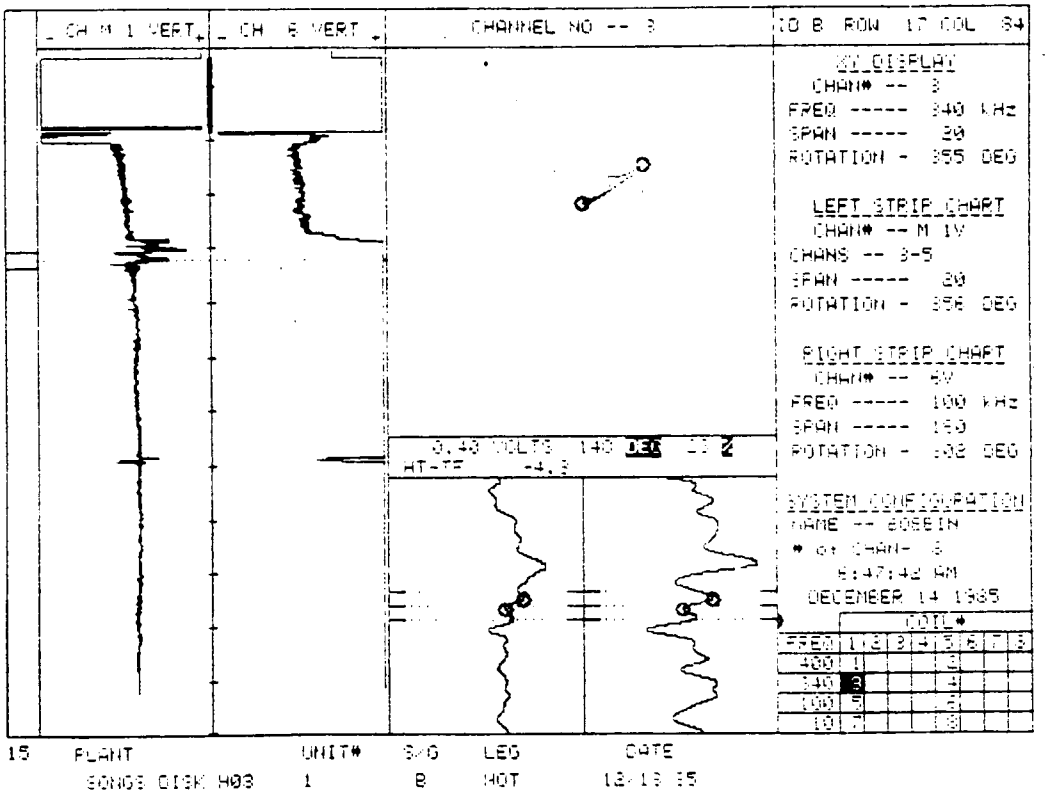

CH M 1 VERT
CH 6 VERT
CHANNEL NO -- 3
ID B ROW 16 COL 86
XY DISPLAY
CHAN# -- 3
FREQ ----- 340 kHz
SPAN ----- 20
ROTATION - 355 DEG
LEFT STRIP CHART
CHAN# -- M 1V
CHANS -- 3-5
SPAN ----- 20
ROTATION - 356 DEG
RIGHT STRIP CHART
CHAN# -- 6V
FREQ ----- 100 kHz
SPAN ----- 160
ROTATION - 302 DEG
SYSTEM CONFIGURATION
NAME -- BOBBIN
# of CHAN- 8
6:26:40 AM
DECEMBER 14 1985
0.57 VOLTS 143 DEG 28
HT-TF +3.1
COIL#
FREQ 1 2 3 4 5 6 7 8
400 1 2
340 3 4
100 5 6
10 7 8
15 PLANT UNIT# S/G LEG DATE
SONGS DISK H03 1 B HOT 12/13/85

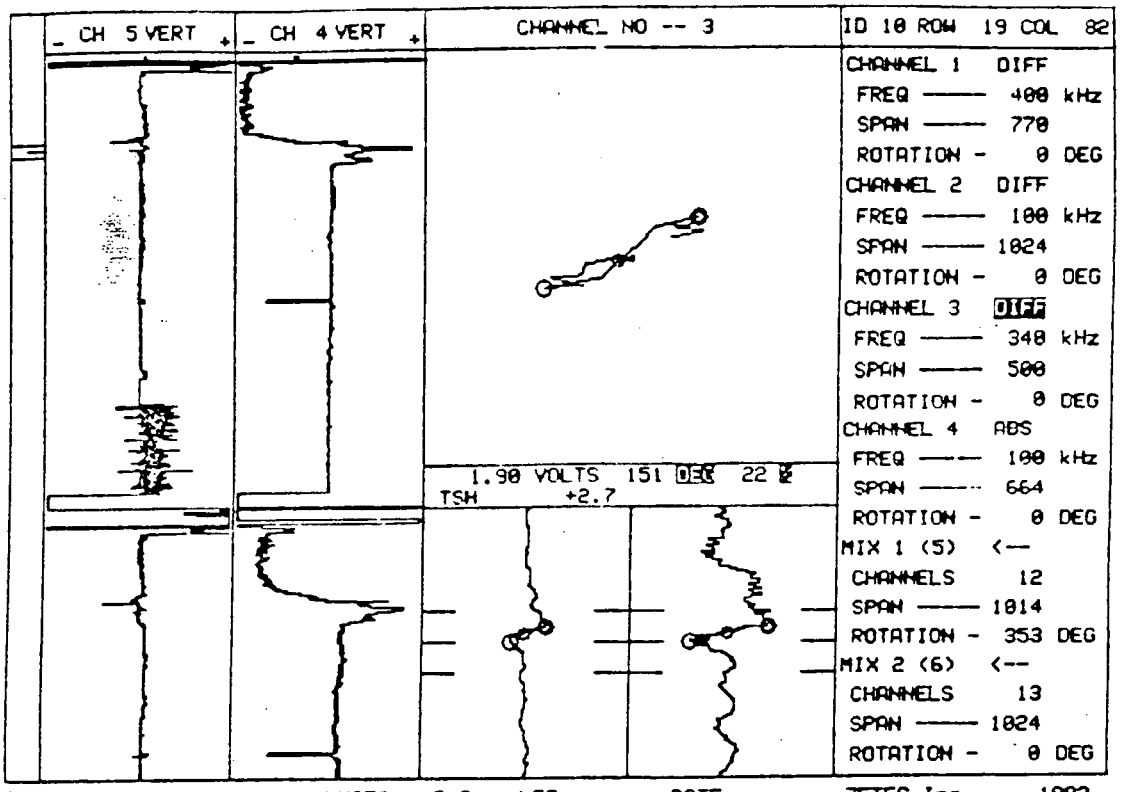

CH 5 VERT
CH 4 VERT
CHANNEL NO -- 3
ID 10 ROW 17 COL 32
CHANNEL 1 DIFF
FREQ 400 kHz
SPAN 770
ROTATION 0 DEG
CHANNEL 2 DIFF
FREQ 100 kHz
SPAN 1024
ROTATION 0 DEG
CHANNEL 3
FREQ 340 kHz
SPAN 140
ROTATION 0 DEG
CHANNEL 4 ABS
FREQ 100 kHz
SPAN 1024
ROTATION 0 DEG
MIX 1 (5) <—
CHANNELS 12
SPAN 1024
ROTATION 353 DEG
MIX 2 (6) <—
CHANNELS 13
SPAN 1024
ROTATION 0 DEG
0.44 VOLTS 148
25
TSH +3.0
10 PLANT
SCE SONGS
UNIT#
I
S/G
B
LEG
INLET
DATE
1980
ZETEC Inc. - 1983
Edition 12.0 Rev 1

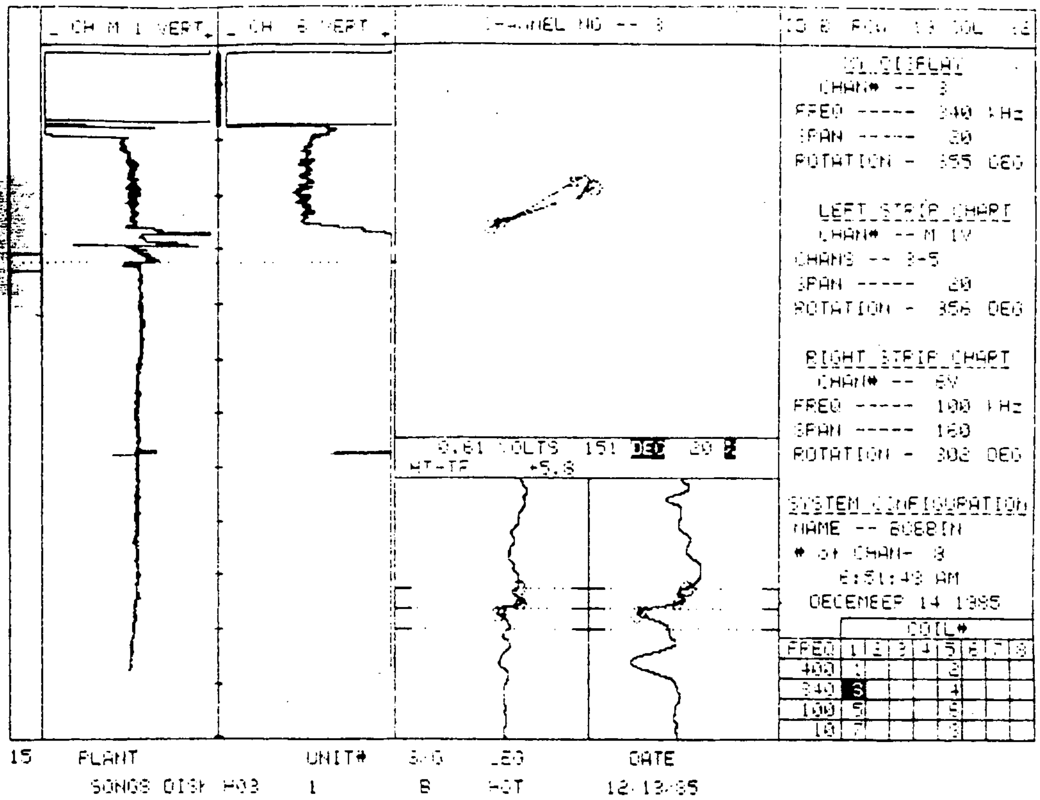

CH M 1 VERT
CH 6 VERT
CHANNEL NO -- 3
ID B ROW 17 COL 82
XY DISPLAY
CHAN# -- 3
FREQ ----- 340 kHz
SPAN ----- 20
ROTATION - 355 DEG
LEFT STRIP CHART
CHAN# -- M 1V
CHANS -- 3-5
SPAN ----- 20
ROTATION - 356 DEG
RIGHT STRIP CHART
CHAN# -- 6V
FREQ ----- 100 kHz
SPAN ----- 160
ROTATION - 302 DEG
SYSTEM CONFIGURATION
NAME -- BOBBIN
# of CHAN- 8
6:50:45 AM
DECEMBER 14 1985
0.79 VOLTS 148 DEG 88 %
HT-TE +3.0
COIL#
FREQ 1 2 3 4 5 6 7 8
400 1 2
340 3 4
100 5 6
10 7 8
15 PLANT UNIT# S/G LEG DATE
SONGS DISK H09 1 B HOT 12/13/85

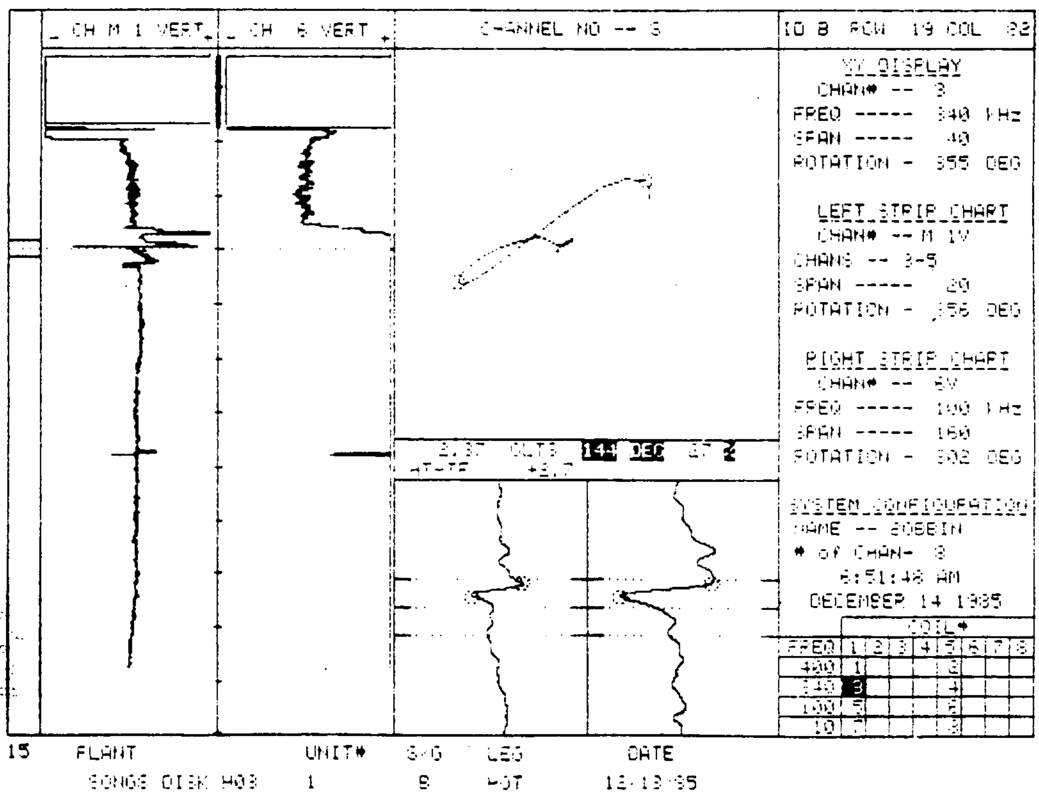

CH 5 VERT
CH 4 VERT
CHANNEL NO — 3
ID 10 ROW 17 COL 84
CHANNEL 1 DIFF
FREQ —— 400 kHz
SPAN —— 779
ROTATION - 0 DEG
CHANNEL 2 DIFF
FREQ —— 100 kHz
SPAN —— 1024
ROTATION - 0 DEG
CHANNEL 3 DIFF
FREQ —— 340 kHz
SPAN —— 200
ROTATION - 0 DEG
CHANNEL 4 ABS
FREQ —— 100 kHz
SPAN —— 664
ROTATION - 0 DEG
MIX 1 (5) <—
CHANNELS 12
SPAN —— 1014
ROTATION - 353 DEG
MIX 2 (6) <—
CHANNELS 13
SPAN —— 1024
ROTATION - 0 DEG
0.35 VOLTS 148 DEG 25
TSH +4.3
20 PLANT SCE SONGS
UNIT# I
S/G 8
LEG INLET
DATE 1980
ZETEC Inc. - 1983
Edition 12.0 Rev 1

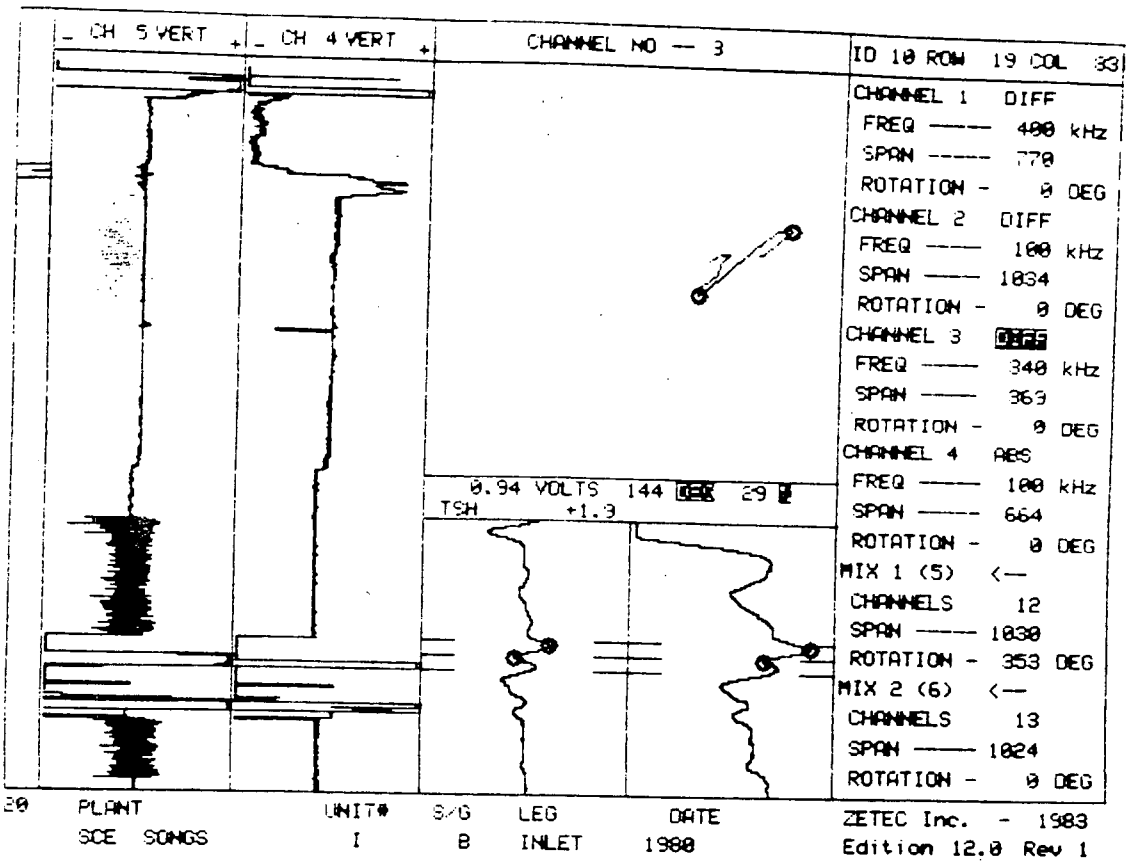

CH A 1 VERT
CH B VERT
CHANNEL NO -- 3
ROW 17 COL 84
VI DISPLAY
CHAN# -- 3
FREQ ----- 340 kHz
SPAN ----- 20
ROTATION - 355 DEG
LEFT STRIP CHART
CHAN# -- M IV
CHANS -- 3-5
SPAN ----- 20
ROTATION - 356 DEG
RIGHT STRIP CHART
CHAN# -- 6V
FREQ ----- 100 kHz
SPAN ----- 150
ROTATION - 302 DEG
SYSTEM CONFIGURATION
NAME -- 605BIN
# of CHAN- 8
8:47:42 AM
DECEMBER 14 1995
0.93 VOLTS 153 DEG 10 %
HT-TF +4.7
COIL#
FREQ 1 2 3 4 5 6 7 8
400 1 2
340 3 4
100 5 6
10 7 8
15 PLANT UNIT# S/G LEG DATE
SONDE DISK H03 1 B HOT 12 13 95

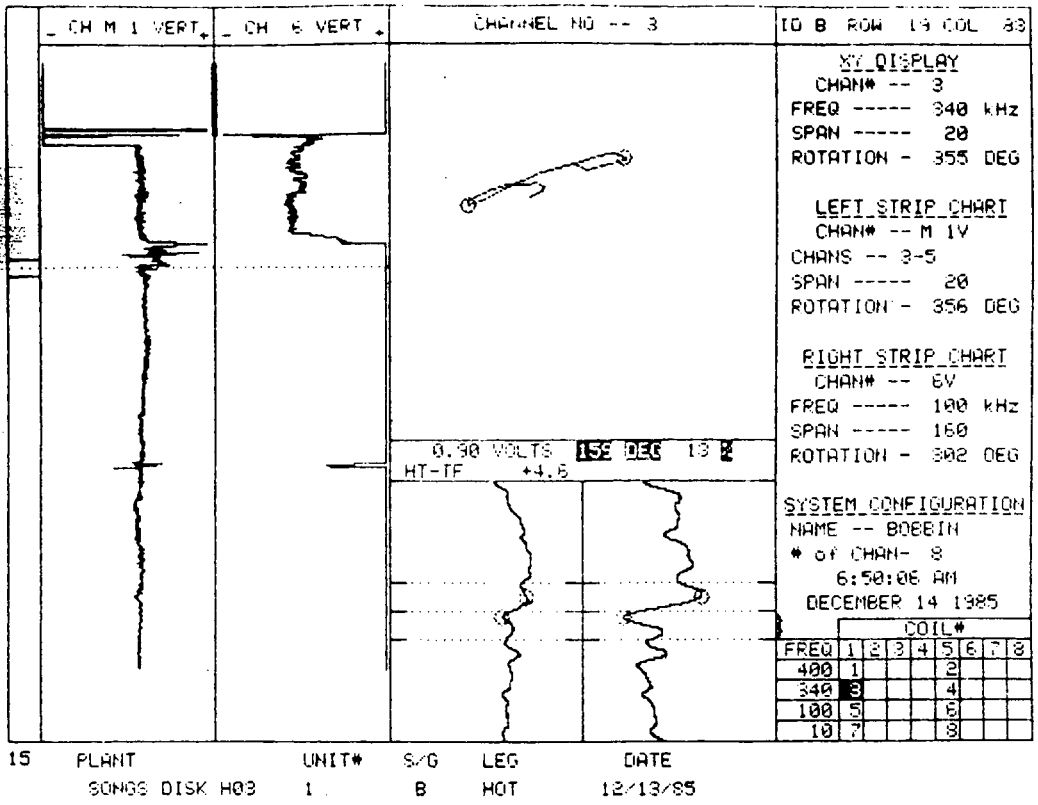

CH A 1 VERT
CH B VERT
CHANNEL NO -- 3
ROW 17 COL 84
VI DISPLAY
CHAN# -- 3
FREQ ----- 340 kHz
SPAN ----- 20
ROTATION - 355 DEG
LEFT STRIP CHART
CHAN# -- M IV
CHANS -- 3-5
SPAN ----- 20
ROTATION - 356 DEG
RIGHT STRIP CHART
CHAN# -- 6V
FREQ ----- 100 kHz
SPAN ----- 150
ROTATION - 302 DEG
SYSTEM CONFIGURATION
NAME -- 605BIN
# of CHAN- 8
8:47:42 AM
DECEMBER 14 1995
0.40 VOLTS 140 DEG 11 %
HT-TF +4.3
COIL#
FREQ 1 2 3 4 5 6 7 8
400 1 2
340 3 4
100 5 6
10 7 8
15 PLANT UNIT# S/G LEG DATE
SONDE DISK H03 1 B HOT 12 13 95

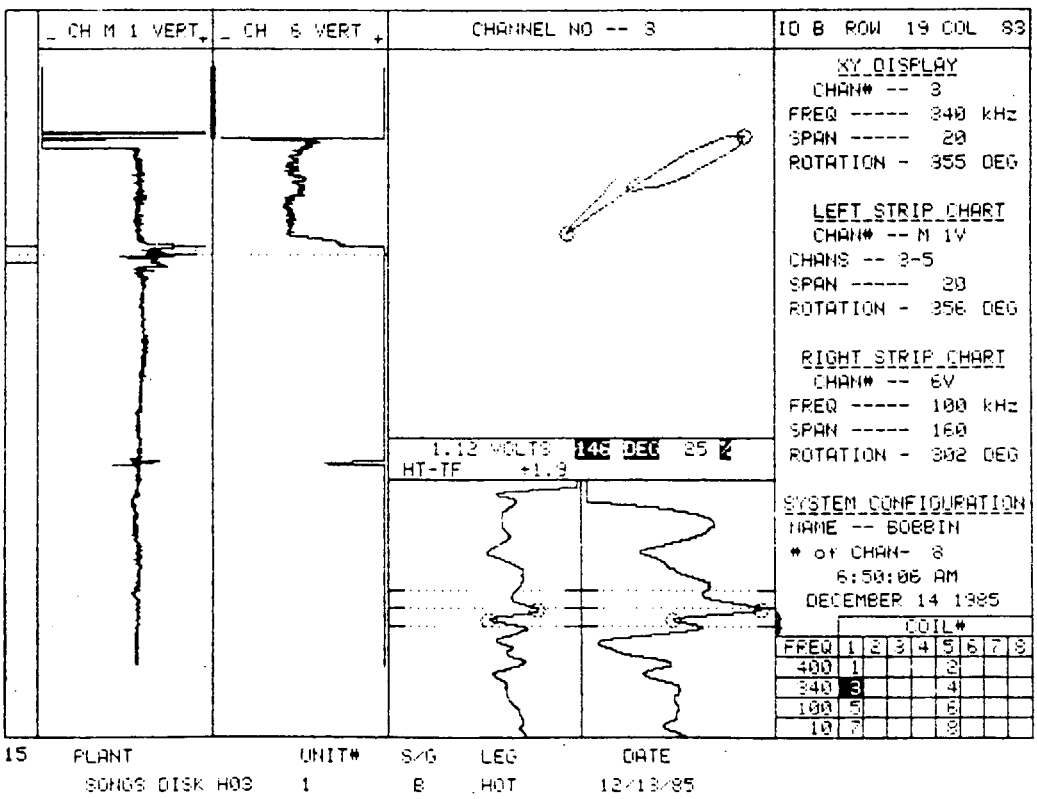

CH 5 VERT
CH 4 VERT
CHANNEL NO -- 3
ID 10 ROW 19 COL 82
CHANNEL 1 DIFF
FREQ ——— 400 kHz
SPAN ——— 770
ROTATION - 0 DEG
CHANNEL 2 DIFF
FREQ ——— 100 kHz
SPAN ——— 1024
ROTATION - 0 DEG
CHANNEL 3 DIFF
FREQ ——— 340 kHz
SPAN ——— 500
ROTATION - 0 DEG
CHANNEL 4 ABS
FREQ ——— 100 kHz
SPAN ——— 664
ROTATION - 0 DEG
MIX 1 (5) <—
CHANNELS 12
SPAN ——— 1014
ROTATION - 353 DEG
MIX 2 (6) <—
CHANNELS 13
SPAN ——— 1024
ROTATION - 0 DEG
1.90 VOLTS 151 DEG 22
TSH +2.7
28 PLANT SCE SONGS
UNIT# I
S/G B
LEG INLET
DATE 1980
ZETEC Inc. - 1983
Edition 12.8 Rev 1

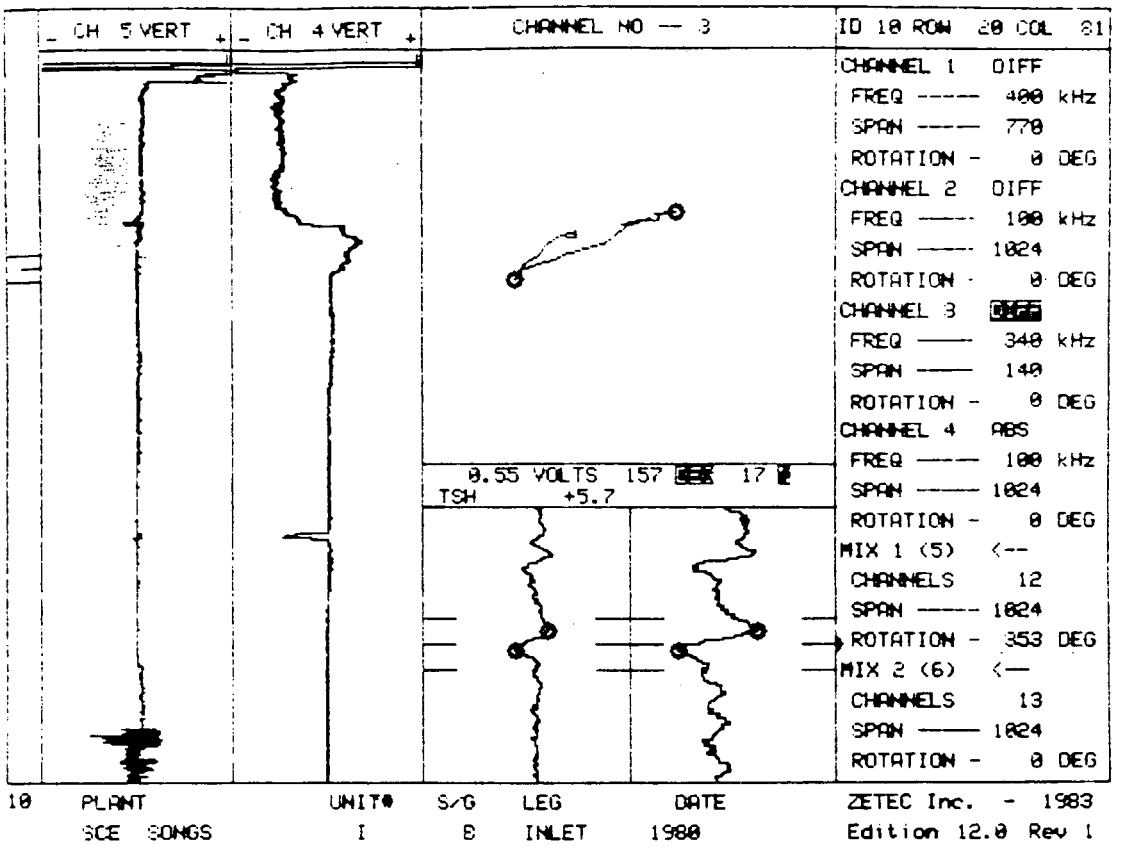

CH M 1 VERT
CH 6 VERT
CHANNEL NO -- 3
10 B ROW 19 COL 82
XY DISPLAY
CHAN# -- 3
FREQ ----- 340 KHz
SPAN ----- 20
ROTATION - 355 DEG
LEFT STRIP CHART
CHAN# -- M 1V
CHANS -- 3-5
SPAN ----- 20
ROTATION - 356 DEG
RIGHT STRIP CHART
CHAN# -- 6V
FREQ ----- 100 KHz
SPAN ----- 160
ROTATION - 302 DEG
SYSTEM CONFIGURATION
NAME -- BOBBIN
# of CHAN- 8
6:51:48 AM
DECEMBER 14 1985
0.61 VOLTS 151 DEG 20 %
HT-TF +5.8
COIL#
FREQ 1 2 3 4 5 6 7 8
400 1 2
340 3 4
100 5 6
10 7 8
15 PLANT UNIT# S/G LEG DATE
SONGS DISK H03 1 B HOT 12-13-85

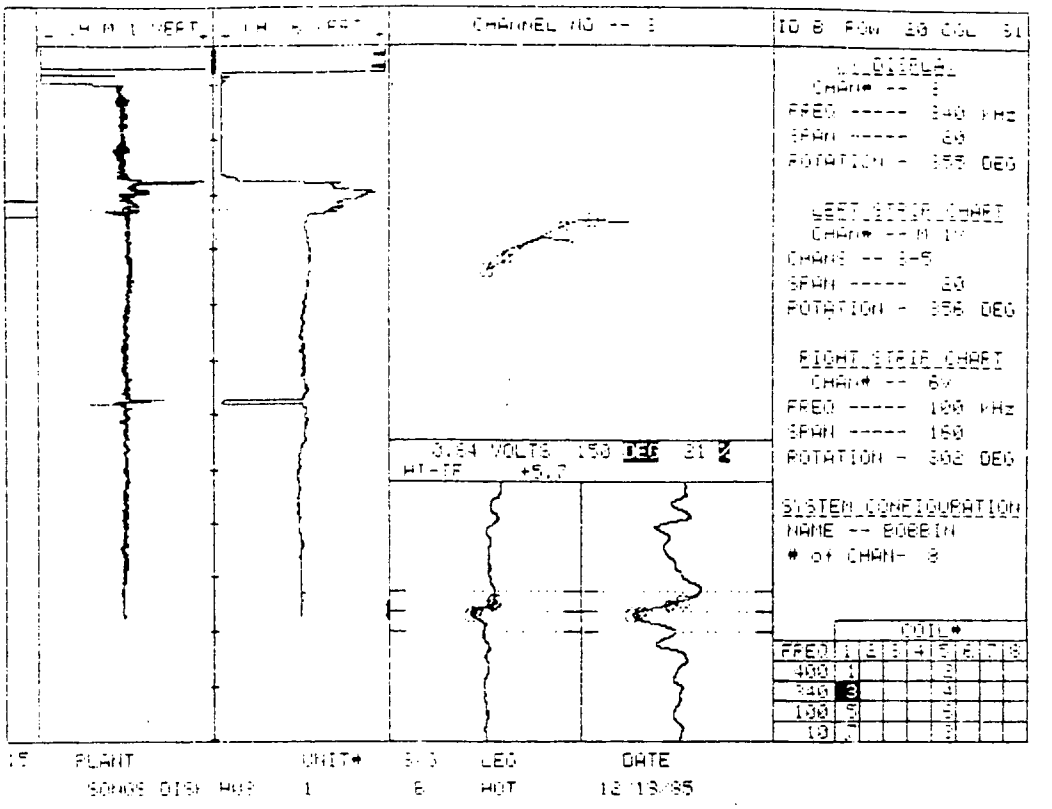

CH M 1 VERT
CH 6 VERT
CHANNEL NO -- 3
10 B ROW 19 COL 82
XY DISPLAY
CHAN# -- 3
FREQ ----- 340 KHz
SPAN ----- 40
ROTATION - 355 DEG
LEFT STRIP CHART
CHAN# -- M 1V
CHANS -- 3-5
SPAN ----- 20
ROTATION - 356 DEG
RIGHT STRIP CHART
CHAN# -- 6V
FREQ ----- 100 KHz
SPAN ----- 160
ROTATION - 302 DEG
SYSTEM CONFIGURATION
NAME -- BOBBIN
# of CHAN- 8
6:51:48 AM
DECEMBER 14 1985
144 DEG
COIL#
FREQ 1 2 3 4 5 6 7 8
400 1 2
340 3 4
100 5 6
10 7 8
15 PLANT UNIT# S/G LEG DATE
SONGS DISK H03 1 B HOT 12-13-85

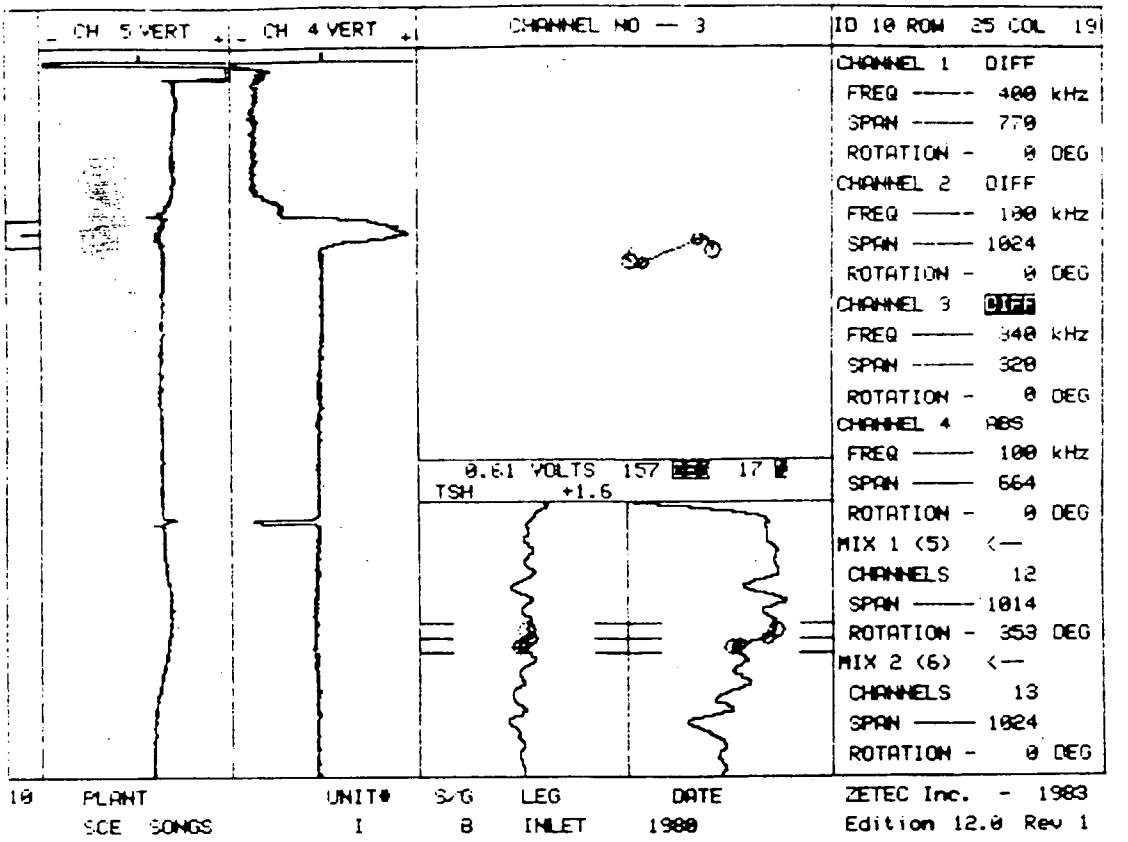

- CH 5 VERT +
- CH 4 VERT +
CHANNEL NO — 3
ID 10 ROW 19 COL 33
CHANNEL 1 DIFF
FREQ ——— 400 kHz
SPAN ——— 770
ROTATION - 0 DEG
CHANNEL 2 DIFF
FREQ ——— 100 kHz
SPAN ——— 1034
ROTATION - 0 DEG
CHANNEL 3 DIFF
FREQ ——— 340 kHz
SPAN ——— 369
ROTATION - 0 DEG
CHANNEL 4 AES
FREQ ——— 100 kHz
SPAN ——— 664
ROTATION - 0 DEG
MIX 1 (5) <—
CHANNELS 12
SPAN ——— 1030
ROTATION - 353 DEG
MIX 2 (6) <—
CHANNELS 13
SPAN ——— 1024
ROTATION - 0 DEG
0.94 VOLTS 144 DEG 29
TSH +1.3
29 PLANT
SCE SONGS
UNIT#
I
S/G
B
LEG
INLET
DATE
1980
ZETEC Inc. - 1983
Edition 12.0 Rev 1

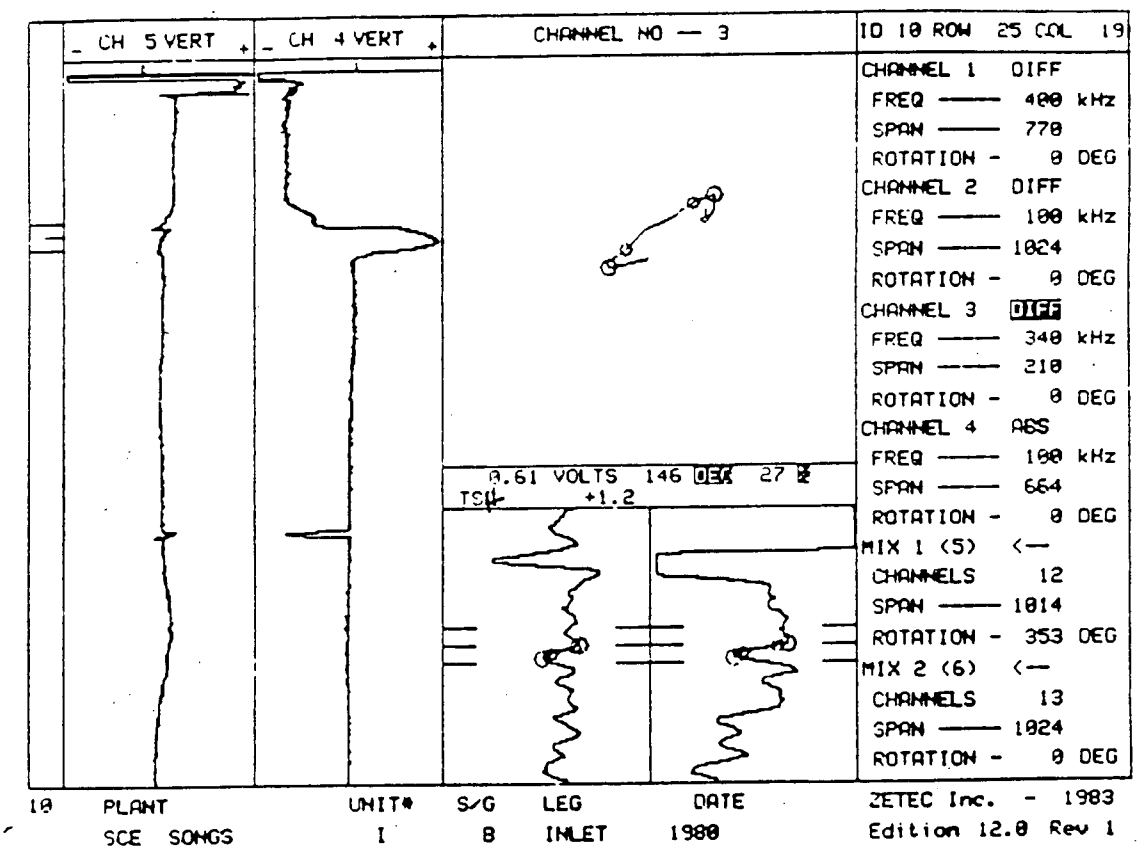

_ CH M 1 VERT+
_ CH 6 VERT +
CHANNEL NO -- 3
ID B ROW 19 COL 83
XY DISPLAY
CHAN# -- 3
FREQ ----- 340 kHz
SPAN ----- 20
ROTATION - 355 DEG
LEFT STRIP CHART
CHAN# -- M 1V
CHANS -- 3-5
SPAN ----- 20
ROTATION - 356 DEG
RIGHT STRIP CHART
CHAN# -- 6V
FREQ ----- 100 kHz
SPAN ----- 160
ROTATION - 302 DEG
SYSTEM CONFIGURATION
NAME -- BOBBIN
# of CHAN- 8
6:50:06 AM
DECEMBER 14 1985
0.90 VOLTS 159 DEG 13 %
HT-TF +4.5
COIL#
FREQ 1 2 3 4 5 6 7 8
400 1 2
340 3 4
100 5 6
10 7 8
15 PLANT UNIT# S/G LEG DATE
SONGS DISK H03 1 B HOT 12/13/85

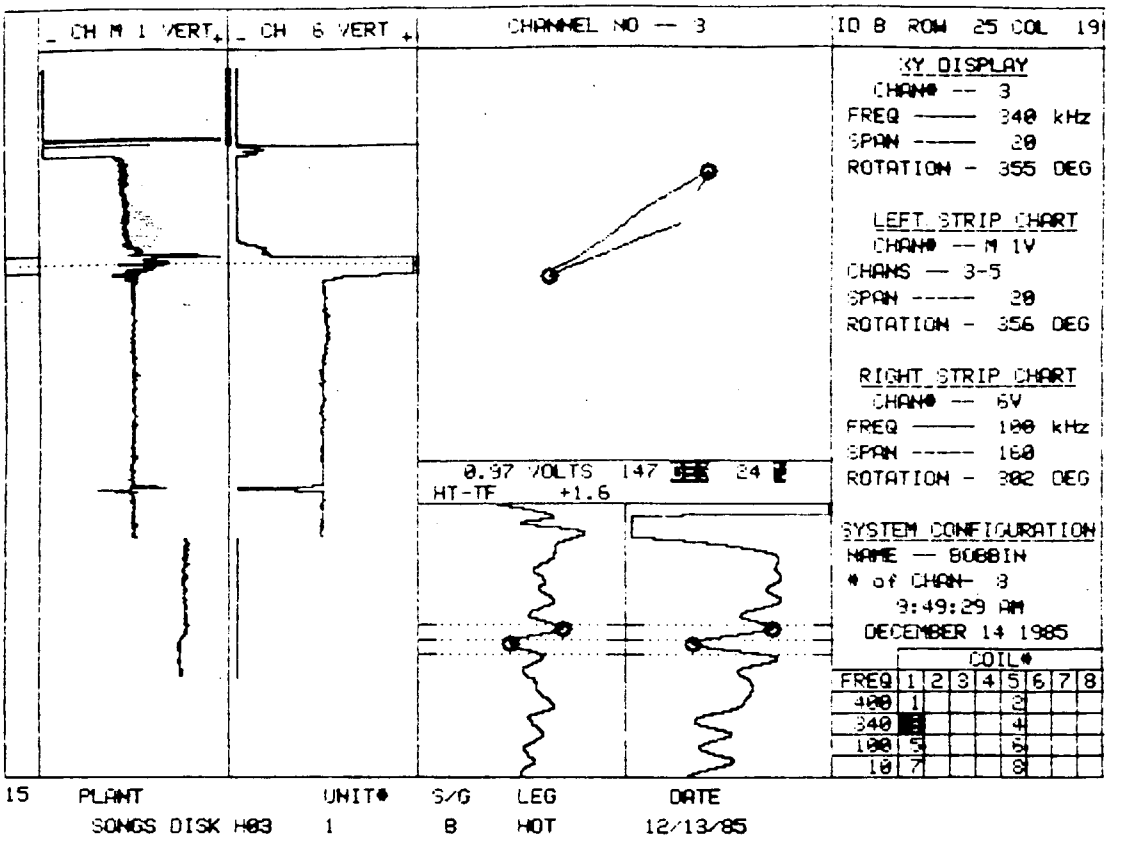

_ CH M 1 VERT+
_ CH 6 VERT +
CHANNEL NO -- 3
ID B ROW 19 COL 83
XY DISPLAY
CHAN# -- 3
FREQ ----- 340 kHz
SPAN ----- 20
ROTATION - 355 DEG
LEFT STRIP CHART
CHAN# -- M 1V
CHANS -- 3-5
SPAN ----- 20
ROTATION - 356 DEG
RIGHT STRIP CHART
CHAN# -- 6V
FREQ ----- 100 kHz
SPAN ----- 160
ROTATION - 302 DEG
SYSTEM CONFIGURATION
NAME -- BOBBIN
# of CHAN- 8
6:50:06 AM
DECEMBER 14 1985
1.12 VOLTS 148 DEG 25 %
HT-TF +1.9
COIL#
FREQ 1 2 3 4 5 6 7 8
400 1 2
340 3 4
100 5 6
10 7 8
15 PLANT UNIT# S/G LEG DATE
SONGS DISK H03 1 B HOT 12/13/85

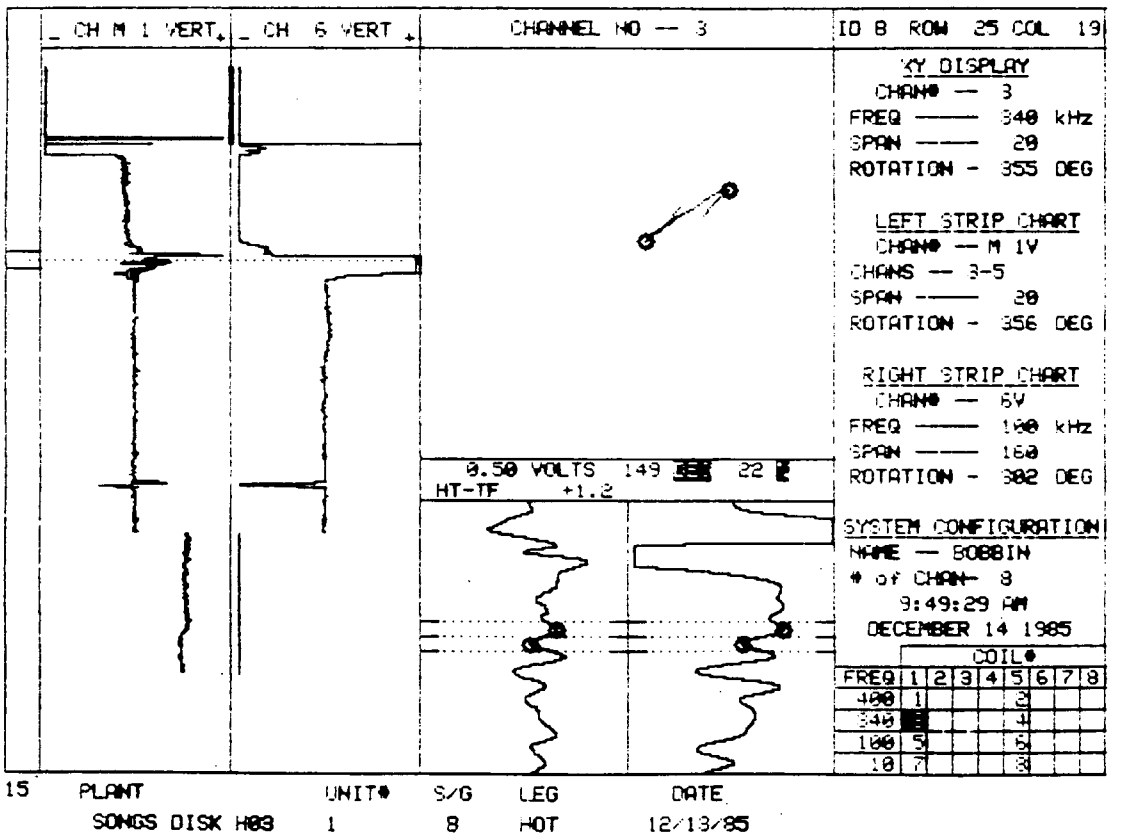

- CH 5 VERT +
- CH 4 VERT +
CHANNEL NO -- 3
ID 10 ROW 20 COL 81
CHANNEL 1 DIFF
FREQ ----- 400 kHz
SPAN ----- 770
ROTATION - 0 DEG
CHANNEL 2 DIFF
FREQ ----- 100 kHz
SPAN ----- 1024
ROTATION - 0 DEG
CHANNEL 3 DIFF
FREQ ----- 340 kHz
SPAN ----- 140
ROTATION - 0 DEG
CHANNEL 4 ABS
FREQ ----- 100 kHz
SPAN ----- 1024
ROTATION - 0 DEG
MIX 1 (5) <--
CHANNELS 12
SPAN ----- 1024
ROTATION - 353 DEG
MIX 2 (6) <--
CHANNELS 13
SPAN ----- 1024
ROTATION - 0 DEG
0.55 VOLTS 157 17
TSH +5.7
10 PLANT SCE SONGS
UNIT# I
S/G B
LEG INLET
DATE 1988
ZETEC Inc. - 1983
Edition 12.0 Rev 1

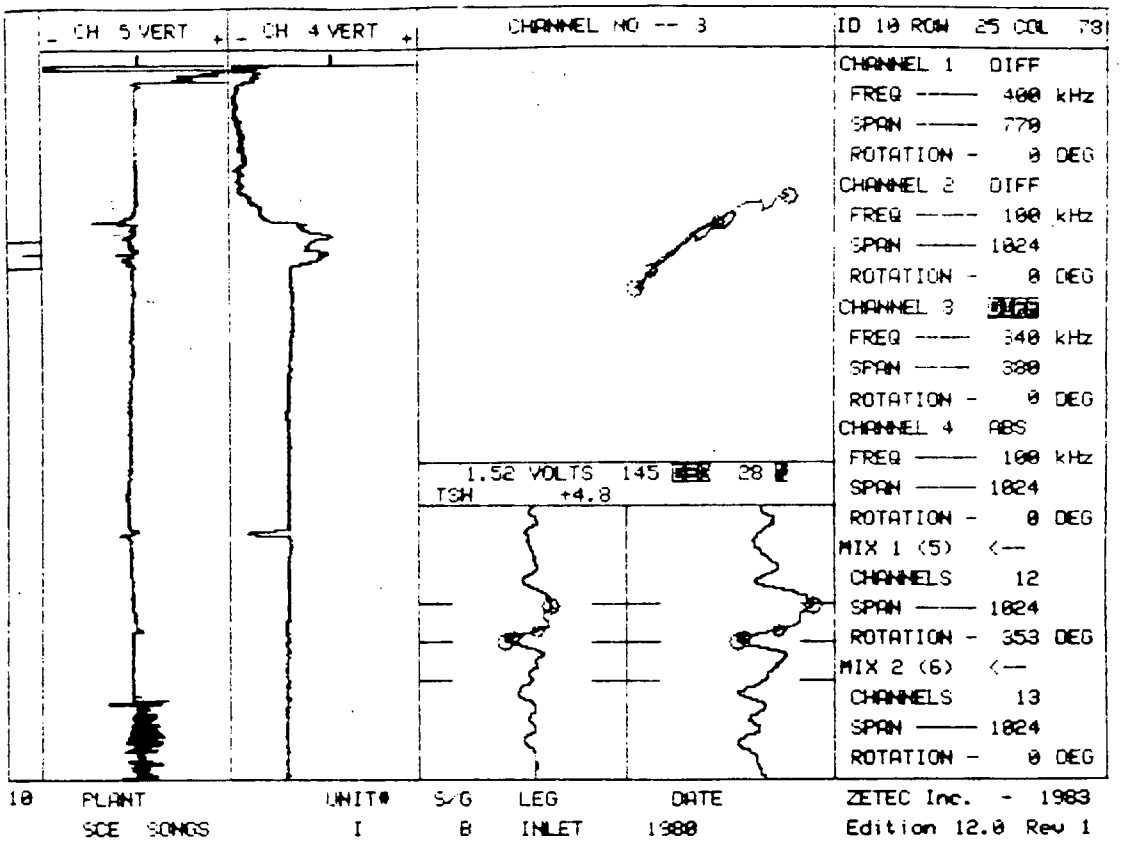

CHANNEL NO -- 3
3.64 VOLTS 150 DEG 31 %
HI-IF +5.2
ID 8 ROW 30 COL 31
DISPLAY
CHAN# -- 3
FREQ ----- 340 KHz
SPAN ----- 60
ROTATION - 355 DEG
LEFT STRIP CHART
CHAN# -- M 1?
CHAN# -- 3-5
SPAN ----- 20
ROTATION - 356 DEG
RIGHT STRIP CHART
CHAN# -- 6?
FREQ ----- 100 KHz
SPAN ----- 150
ROTATION - 302 DEG
SYSTEM CONFIGURATION
NAME -- BOBBIN
# of CHAN- 8
COIL#
FREQ
400
340
100
10
PLANT
UNIT#
LEG
DATE
1
8
HOT
12/13/85

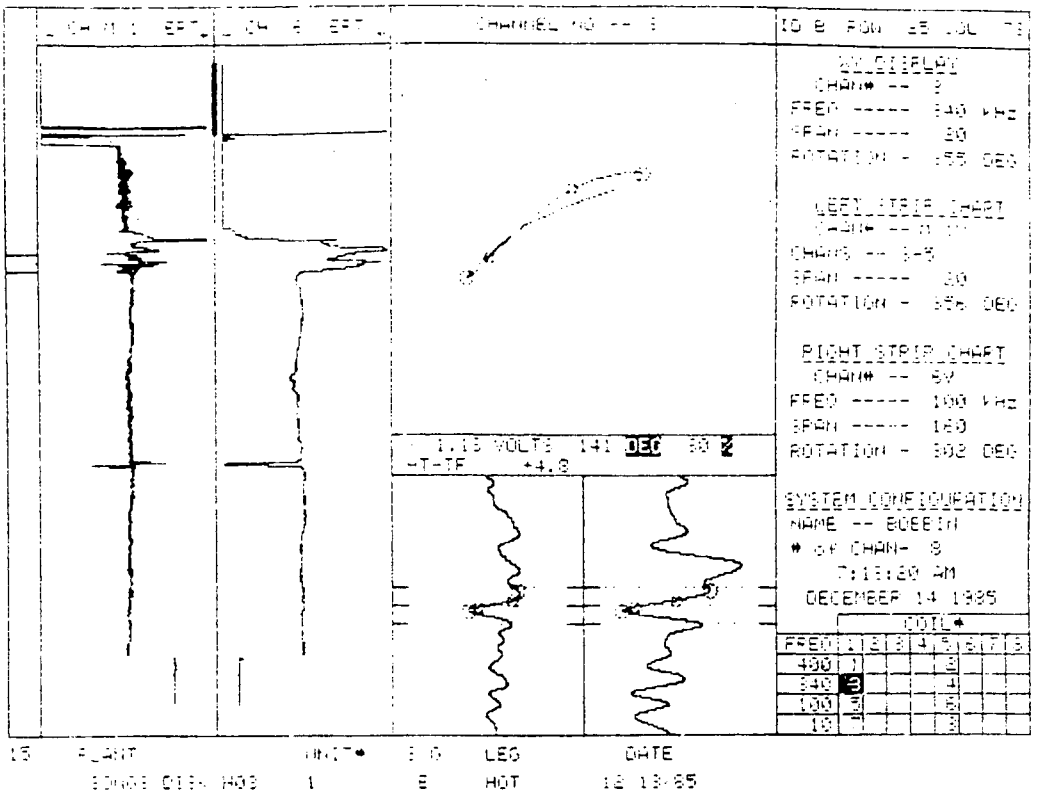

CH 5 VERT
CH 4 VERT
CHANNEL NO — 3
ID 10 ROW 25 COL 19
CHANNEL 1 DIFF
FREQ —— 400 kHz
SPAN —— 770
ROTATION - 0 DEG
CHANNEL 2 DIFF
FREQ —— 100 kHz
SPAN —— 1024
ROTATION - 0 DEG
CHANNEL 3 DIFF
FREQ —— 340 kHz
SPAN —— 320
ROTATION - 0 DEG
CHANNEL 4 ABS
FREQ —— 100 kHz
SPAN —— 664
ROTATION - 0 DEG
MIX 1 (5) <—
CHANNELS 12
SPAN —— 1014
ROTATION - 353 DEG
MIX 2 (6) <—
CHANNELS 13
SPAN —— 1024
ROTATION - 0 DEG
0.61 VOLTS 157 DEG 17
TSH +1.6
10 PLANT SCE SONGS
UNIT# I
S/G B
LEG INLET
DATE 1980
ZETEC Inc. - 1983
Edition 12.0 Rev 1

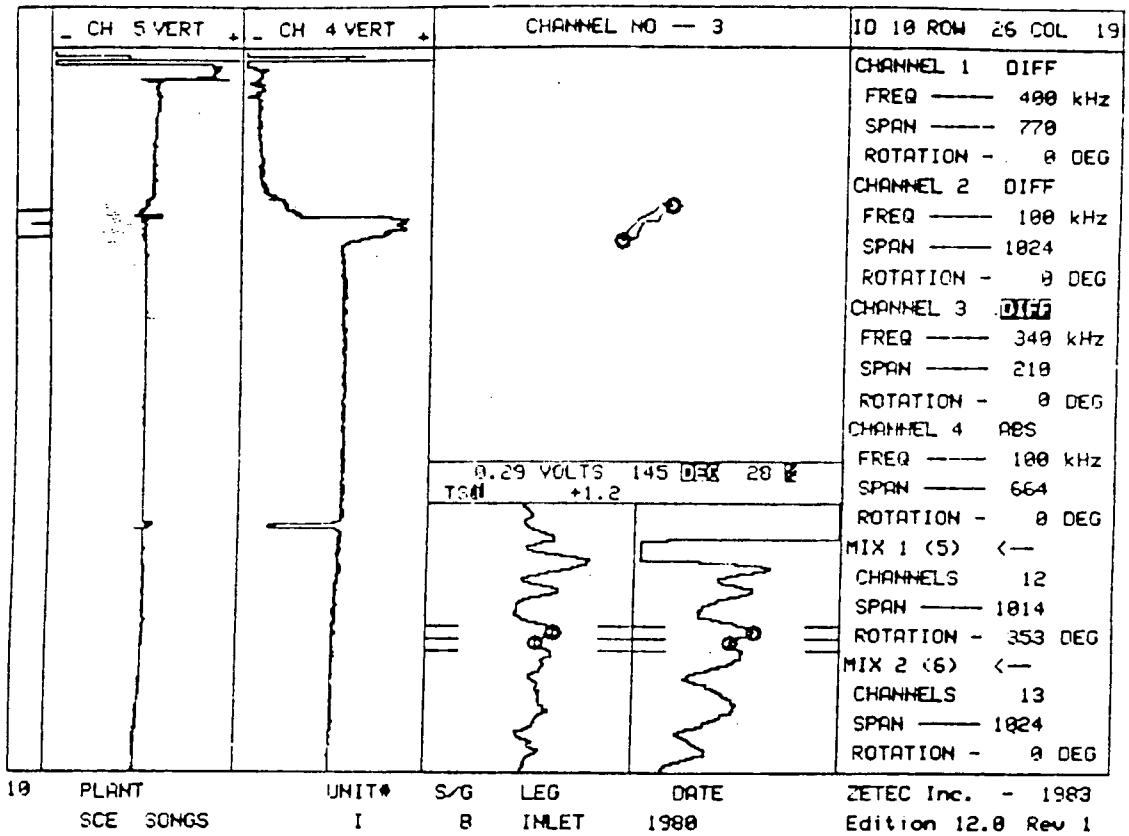

CH 5 VERT
CH 4 VERT
CHANNEL NO — 3
ID 10 ROW 25 COL 19
CHANNEL 1 DIFF
FREQ —— 400 kHz
SPAN —— 770
ROTATION - 0 DEG
CHANNEL 2 DIFF
FREQ —— 100 kHz
SPAN —— 1024
ROTATION - 0 DEG
CHANNEL 3 DIFF
FREQ —— 340 kHz
SPAN —— 210
ROTATION - 0 DEG
CHANNEL 4 ABS
FREQ —— 100 kHz
SPAN —— 664
ROTATION - 0 DEG
MIX 1 (5) <—
CHANNELS 12
SPAN —— 1014
ROTATION - 353 DEG
MIX 2 (6) <—
CHANNELS 13
SPAN —— 1024
ROTATION - 0 DEG
0.61 VOLTS 146 DEG 27
TSH +1.2
10 PLANT SCE SONGS
UNIT# I
S/G B
LEG INLET
DATE 1980
ZETEC Inc. - 1983
Edition 12.0 Rev 1

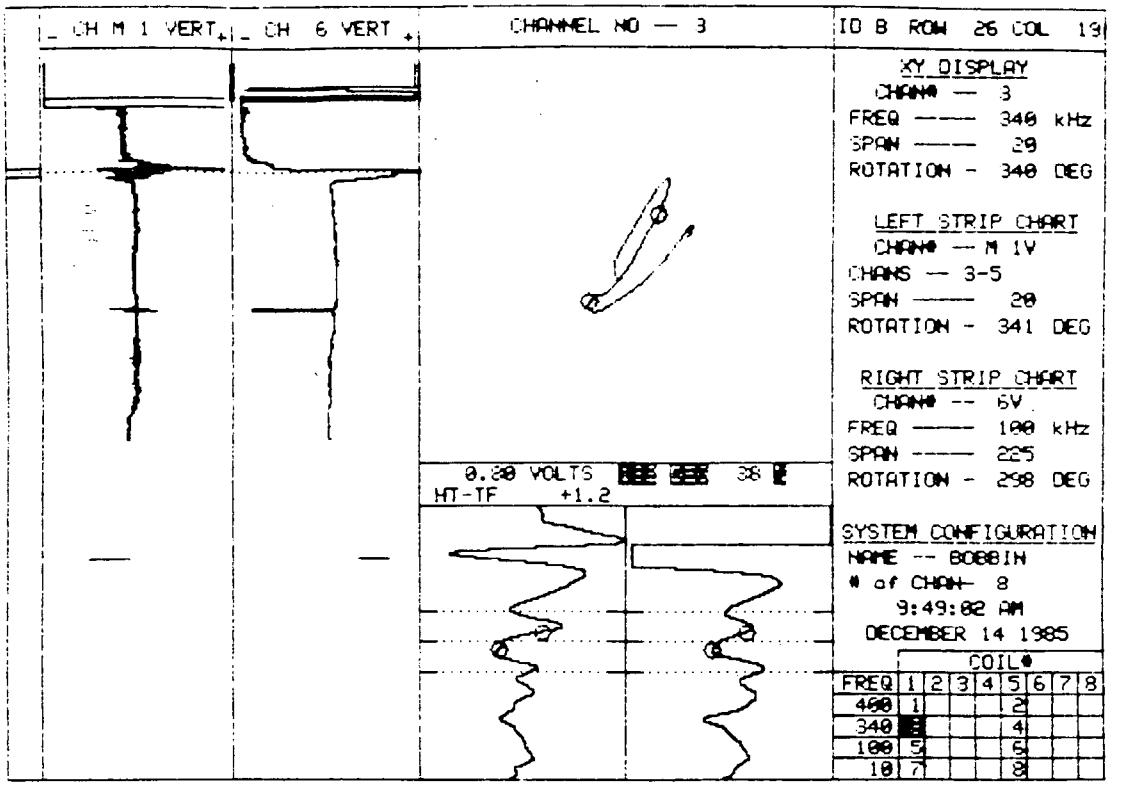

_ CH M 1 VERT
_ CH 6 VERT
CHANNEL NO — 3
ID B ROW 25 COL 19
XY DISPLAY
CHAN# — 3
FREQ —— 340 kHz
SPAN —— 20
ROTATION - 355 DEG
LEFT STRIP CHART
CHAN# — M 1V
CHANS — 3-5
SPAN —— 20
ROTATION - 356 DEG
RIGHT STRIP CHART
CHAN# — 6V
FREQ —— 100 kHz
SPAN —— 160
ROTATION - 302 DEG
SYSTEM CONFIGURATION
NAME — BOBBIN
# of CHAN- 8
9:49:29 AM
DECEMBER 14 1985
0.97 VOLTS 147 24
HT-TF +1.6
COIL#
FREQ 1 2 3 4 5 6 7 8
400 1 3
340 2 4
100 5 6
10 7 8
15 PLANT UNIT# S/G LEG DATE
SONGS DISK H03 1 B HOT 12/13/85

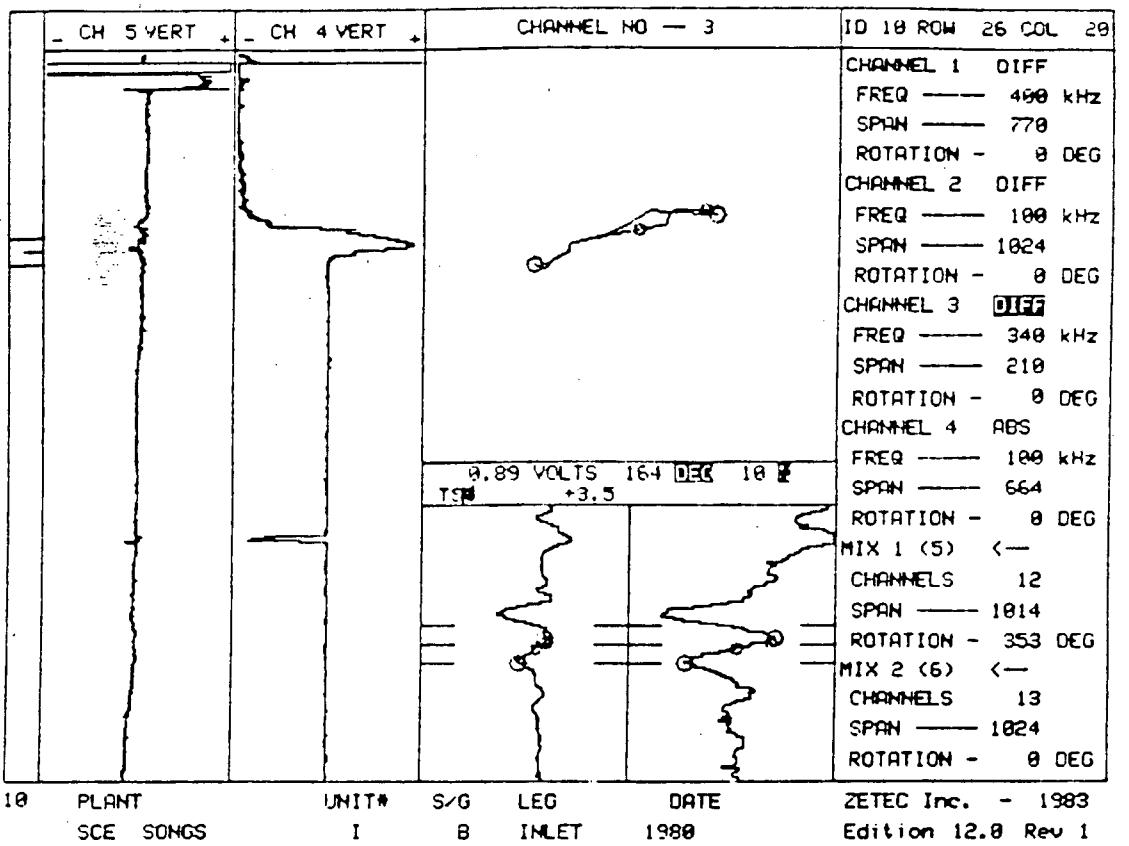

_ CH M 1 VERT
_ CH 6 VERT
CHANNEL NO — 3
ID B ROW 25 COL 19
XY DISPLAY
CHAN# — 3
FREQ —— 340 kHz
SPAN —— 20
ROTATION - 355 DEG
LEFT STRIP CHART
CHAN# — M 1V
CHANS — 3-5
SPAN —— 20
ROTATION - 356 DEG
RIGHT STRIP CHART
CHAN# — 6V
FREQ —— 100 kHz
SPAN —— 160
ROTATION - 302 DEG
SYSTEM CONFIGURATION
NAME — BOBBIN
# of CHAN- 8
9:49:29 AM
DECEMBER 14 1985
0.50 VOLTS 149 22
HT-TF +1.2
COIL#
FREQ 1 2 3 4 5 6 7 8
400 1 3
340 2 4
100 5 6
10 7 8
15 PLANT UNIT# S/G LEG DATE
SONGS DISK H03 1 B HOT 12/13/85

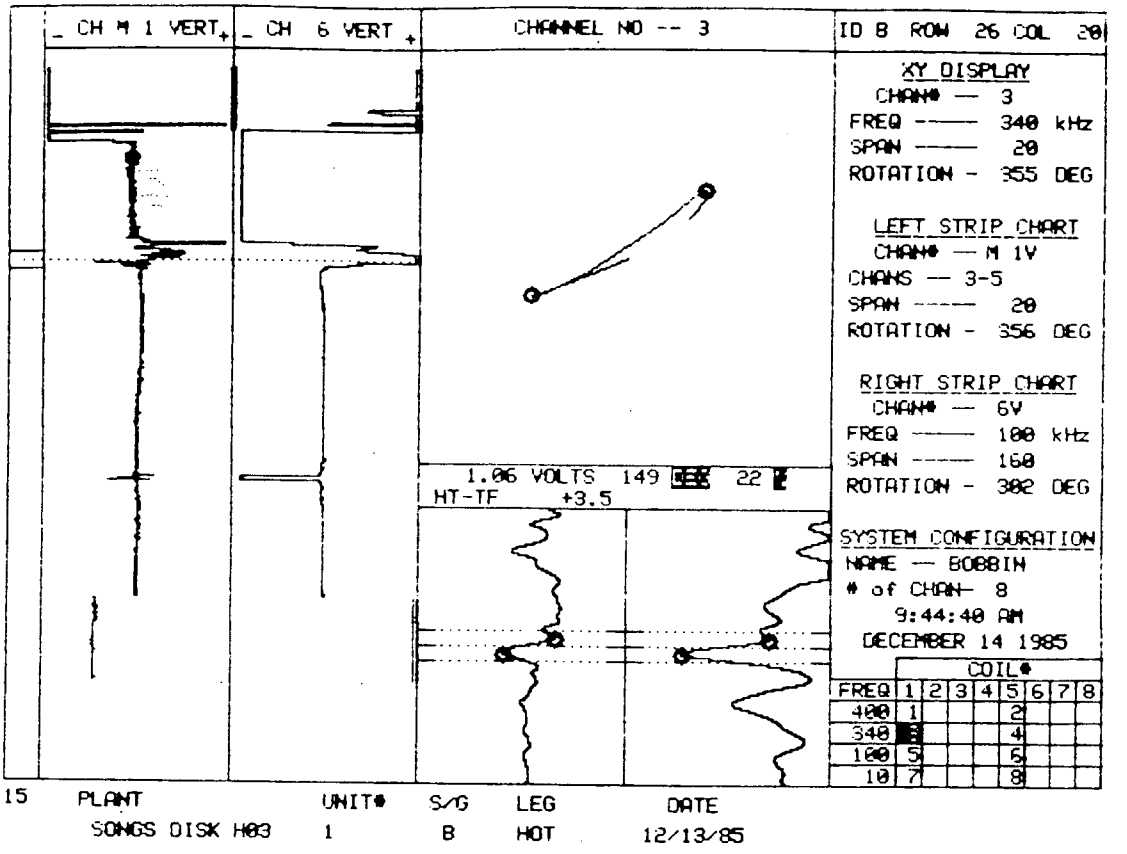

- CH 5 VERT +
- CH 4 VERT +
CHANNEL NO -- 3
ID 10 ROW 25 COL 73
CHANNEL 1 DIFF
FREQ ---- 400 kHz
SPAN ---- 770
ROTATION - 0 DEG
CHANNEL 2 DIFF
FREQ ---- 100 kHz
SPAN ---- 1024
ROTATION - 0 DEG
CHANNEL 3 DIFF
FREQ ---- 340 kHz
SPAN ---- 380
ROTATION - 0 DEG
CHANNEL 4 ABS
FREQ ---- 100 kHz
SPAN ---- 1024
ROTATION - 0 DEG
1.52 VOLTS 145 28
TSH +4.8
MIX 1 (5) <—
CHANNELS 12
SPAN ---- 1024
ROTATION - 353 DEG
MIX 2 (6) <—
CHANNELS 13
SPAN ---- 1024
ROTATION - 0 DEG
10 PLANT UNIT# S/G LEG DATE
SCE SONGS I B INLET 1380
ZETEC Inc. - 1983
Edition 12.0 Rev 1

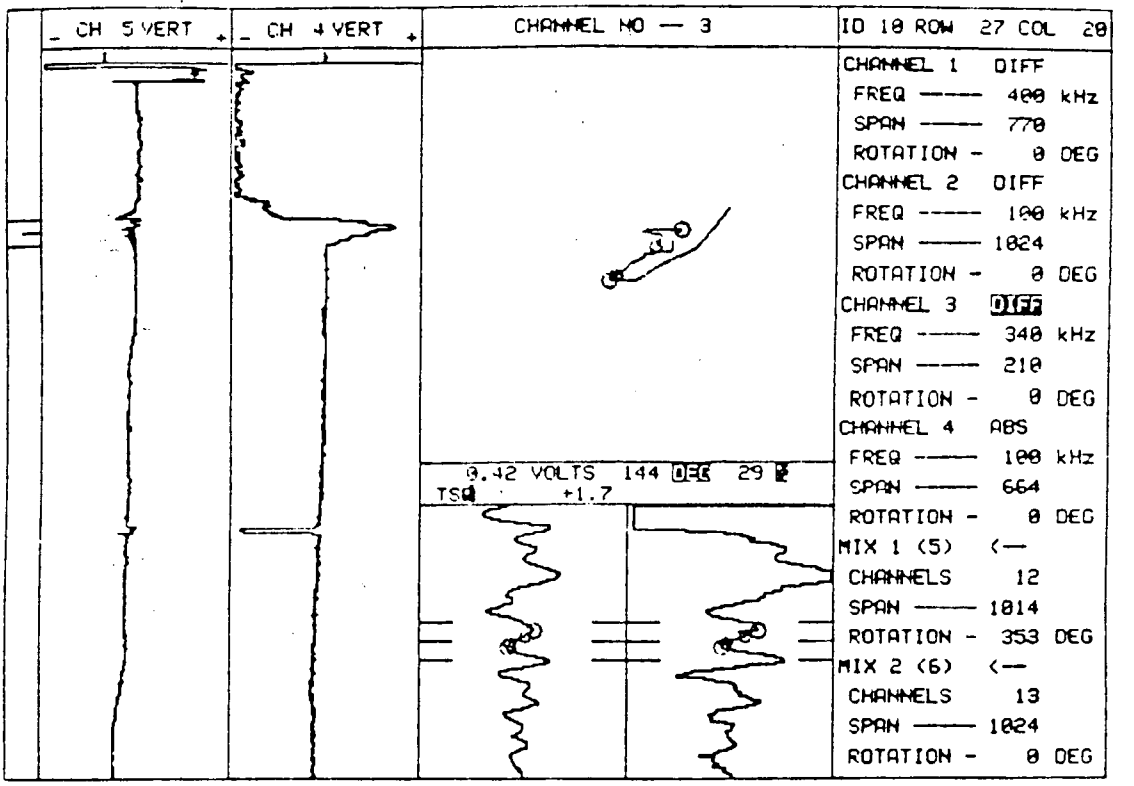

CHANNEL NO -- 3
1.15 VOLTS 141 DEG 80 %
+T-TF +4.8
VCC DISPLAY
CHAN# -- 3
FREQ ----- 340 KHz
SPAN ----- 20
ROTATION - 155 DEG
LEFT STRIP CHART
CHAN# -- 5
SPAN ----- 20
ROTATION - 354 DEG
RIGHT STRIP CHART
CHAN# -- 5V
FREQ ----- 100 KHz
SPAN ----- 160
ROTATION - 302 DEG
SYSTEM CONFIGURATION
NAME -- BOBBIN
OF CHAN- 8
7:13:20 AM
DECEMBER 14 1985
COIL
FREQ
400
340
100
10
PLANT
UNIT#
LEG
DATE
HOT
12 13-85

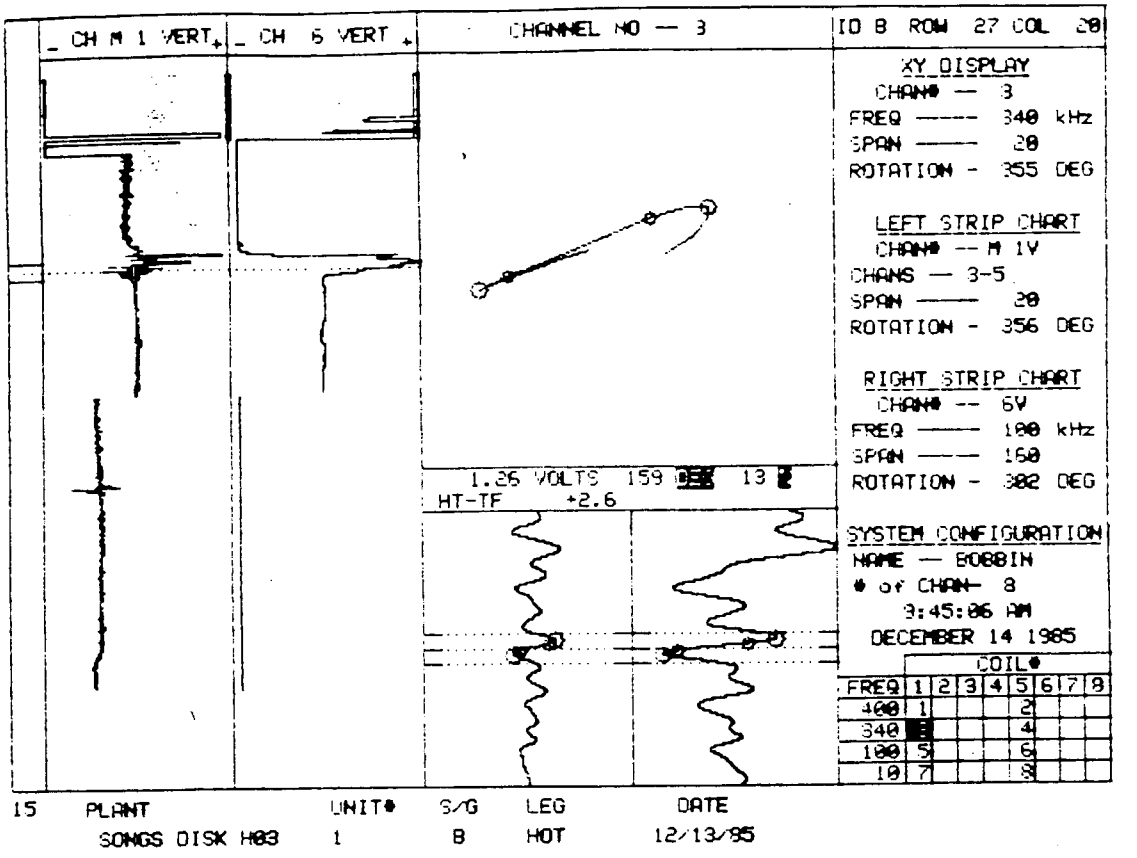

- CH 5 VERT +
- CH 4 VERT +
CHANNEL NO — 3
ID 10 ROW 26 COL 19
CHANNEL 1 DIFF
FREQ ——— 400 kHz
SPAN ——— 770
ROTATION - 0 DEG
CHANNEL 2 DIFF
FREQ ——— 100 kHz
SPAN ——— 1024
ROTATION - 0 DEG
CHANNEL 3 DIFF
FREQ ——— 340 kHz
SPAN ——— 210
ROTATION - 0 DEG
CHANNEL 4 ABS
FREQ ——— 100 kHz
SPAN ——— 664
ROTATION - 0 DEG
MIX 1 (5) <—
CHANNELS 12
SPAN ——— 1014
ROTATION - 353 DEG
MIX 2 (6) <—
CHANNELS 13
SPAN ——— 1024
ROTATION - 0 DEG
0.29 VOLTS 145 DEG 28
TS1 +1.2
10 PLANT SCE SONGS
UNIT# I
S/G B
LEG INLET
DATE 1980
ZETEC Inc. - 1983
Edition 12.8 Rev 1

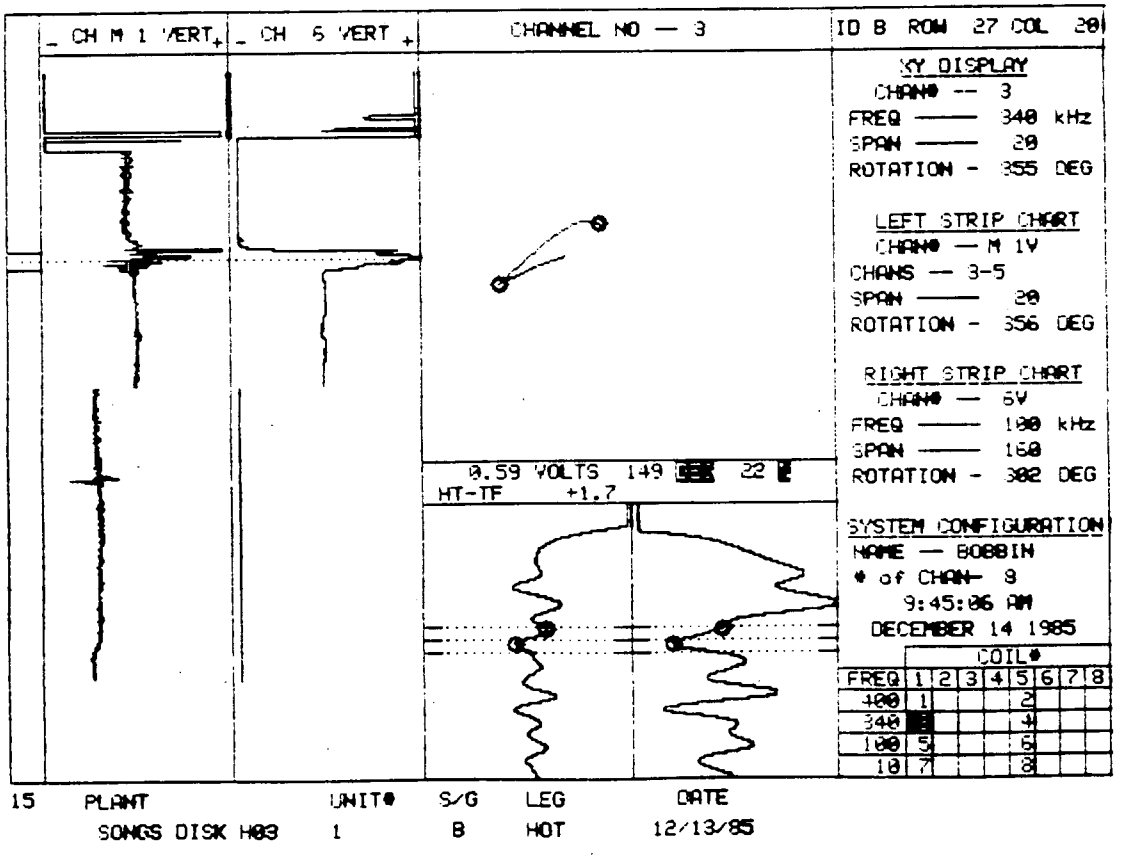

_ CH M 1 VERT +
_ CH 6 VERT +
CHANNEL NO — 3
ID B ROW 26 COL 19
XY DISPLAY
CHAN# — 3
FREQ —— 340 kHz
SPAN —— 29
ROTATION - 340 DEG
LEFT STRIP CHART
CHAN# — M 1V
CHANS — 3-5
SPAN —— 20
ROTATION - 341 DEG
RIGHT STRIP CHART
CHAN# -- 6V
FREQ —— 100 kHz
SPAN —— 225
ROTATION - 298 DEG
SYSTEM CONFIGURATION
NAME -- BOBBIN
# of CHAN- 8
9:49:02 AM
DECEMBER 14 1985
0.20 VOLTS
HT-TF +1.2
COIL#
FREQ 1 2 3 4 5 6 7 8
460 1 2
340 3 4
100 5 6
10 7 8
25 PLANT UNIT# S/G LEG DATE
SONGS REEL H04- 1 B INLET 12/22/85

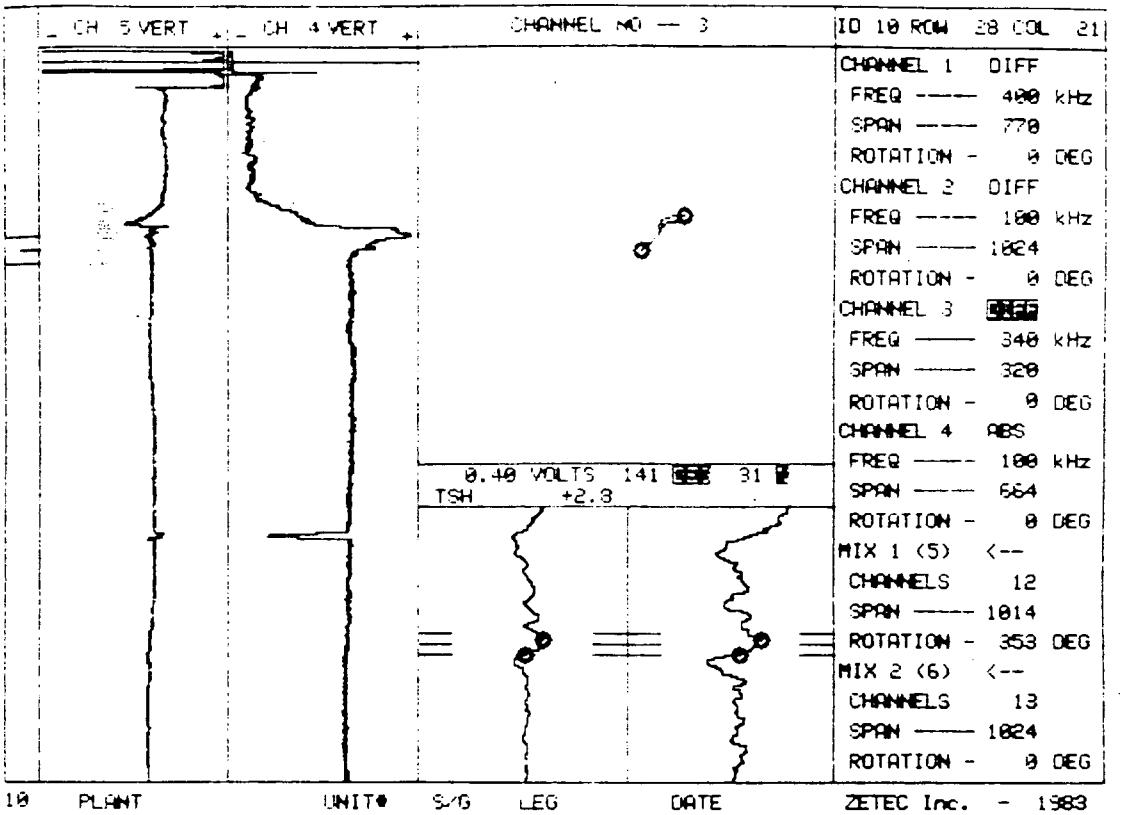

_ CH 5 VERT +
_ CH 4 VERT +
CHANNEL NO — 3
ID 10 ROW 26 COL 29
CHANNEL 1 DIFF
FREQ —— 400 kHz
SPAN —— 770
ROTATION - 0 DEG
CHANNEL 2 DIFF
FREQ —— 100 kHz
SPAN —— 1024
ROTATION - 0 DEG
CHANNEL 3 DIFF
FREQ —— 340 kHz
SPAN —— 210
ROTATION - 0 DEG
CHANNEL 4 ABS
FREQ —— 100 kHz
SPAN —— 664
ROTATION - 0 DEG
MIX 1 (5) <—
CHANNELS 12
SPAN —— 1014
ROTATION - 353 DEG
MIX 2 (6) <—
CHANNELS 13
SPAN —— 1024
ROTATION - 0 DEG
0.89 VOLTS 164 DEG 10
+3.5
10 PLANT SCE SONGS
UNIT# I
S/G B
LEG INLET
DATE 1980
ZETEC Inc. - 1983
Edition 12.0 Rev 1

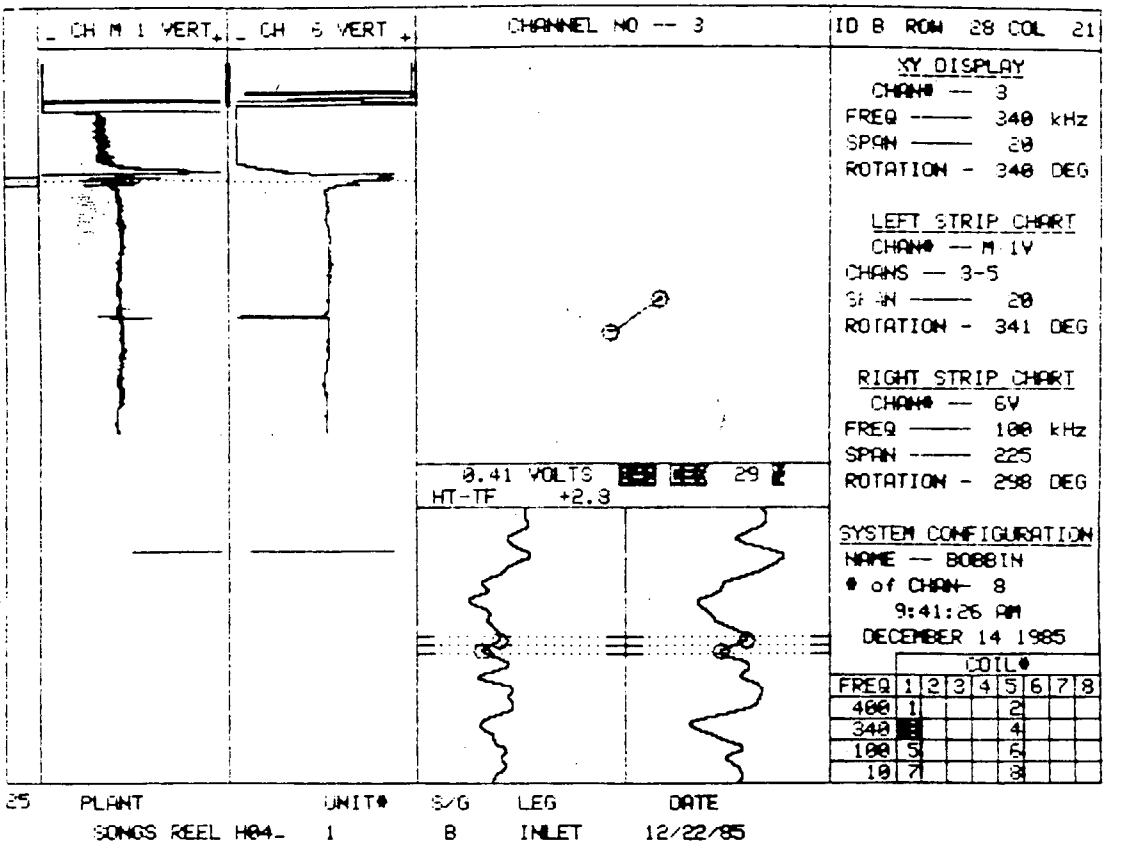

CH M 1 VERT
CH 6 VERT
CHANNEL NO -- 3
ID B ROW 26 COL 20
XY DISPLAY
CHAN# — 3
FREQ —— 340 kHz
SPAN —— 20
ROTATION - 355 DEG
LEFT STRIP CHART
CHAN# — M 1V
CHANS — 3-5
SPAN —— 20
ROTATION - 356 DEG
RIGHT STRIP CHART
CHAN# — 6V
FREQ —— 100 kHz
SPAN —— 160
ROTATION - 302 DEG
1.06 VOLTS 149 DEG 22
HT-TF +3.5
SYSTEM CONFIGURATION
NAME — BOBBIN
# of CHAN— 8
9:44:40 AM
DECEMBER 14 1985
COIL#
FREQ 1 2 3 4 5 6 7 8
400 1 2
340 3 4
100 5 6
10 7 8
15 PLANT UNIT# S/G LEG DATE
SONGS DISK H03 1 B HOT 12/13/85

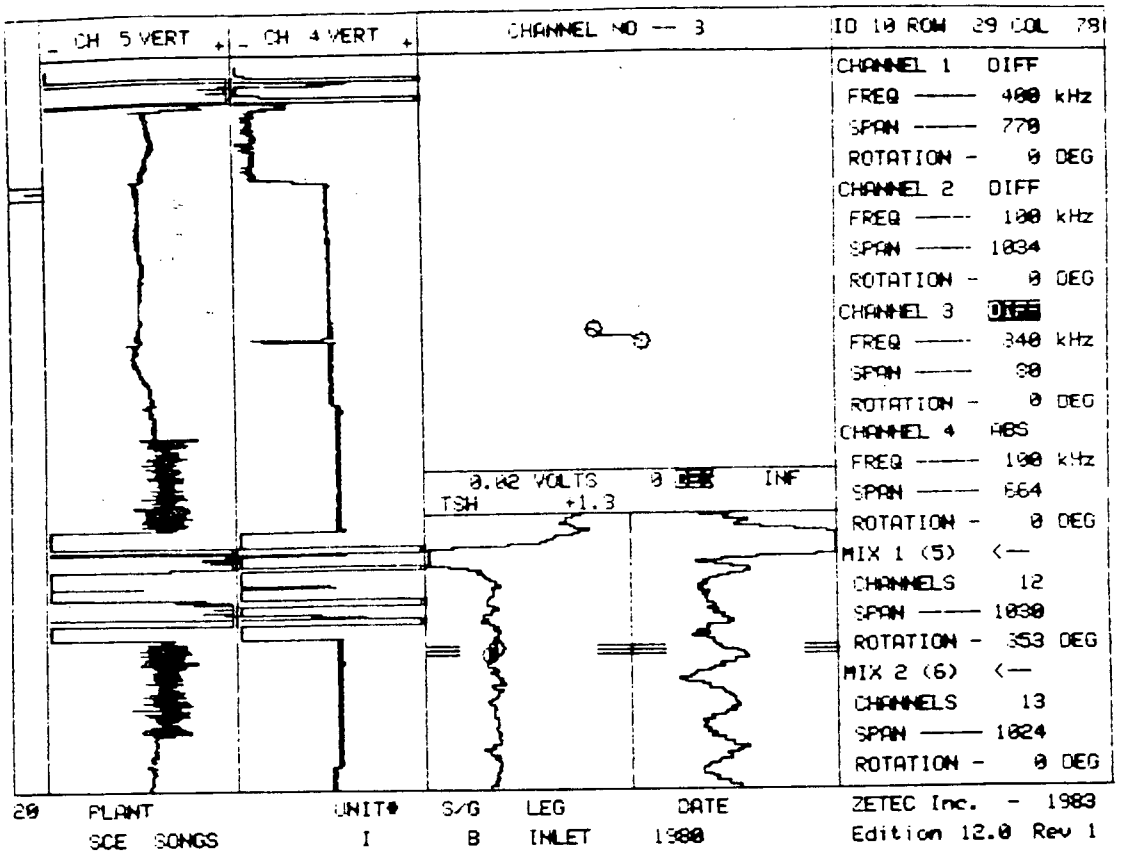

CH 5 VERT
CH 4 VERT
CHANNEL NO — 3
ID 10 ROW 27 COL 28
CHANNEL 1 DIFF
FREQ —— 400 kHz
SPAN —— 770
ROTATION - 0 DEG
CHANNEL 2 DIFF
FREQ —— 100 kHz
SPAN —— 1024
ROTATION - 0 DEG
CHANNEL 3 DIFF
FREQ —— 340 kHz
SPAN —— 210
ROTATION - 0 DEG
CHANNEL 4 ABS
FREQ —— 100 kHz
SPAN —— 664
ROTATION - 0 DEG
MIX 1 (5) <—
CHANNELS 12
SPAN —— 1014
ROTATION - 353 DEG
MIX 2 (6) <—
CHANNELS 13
SPAN —— 1024
ROTATION - 0 DEG
0.42 VOLTS 144 DEG 29
TSP +1.7
10 PLANT SCE SONGS
UNIT# I
S/G B
LEG INLET
DATE 1980
ZETEC Inc. - 1983
Edition 12.0 Rev 1

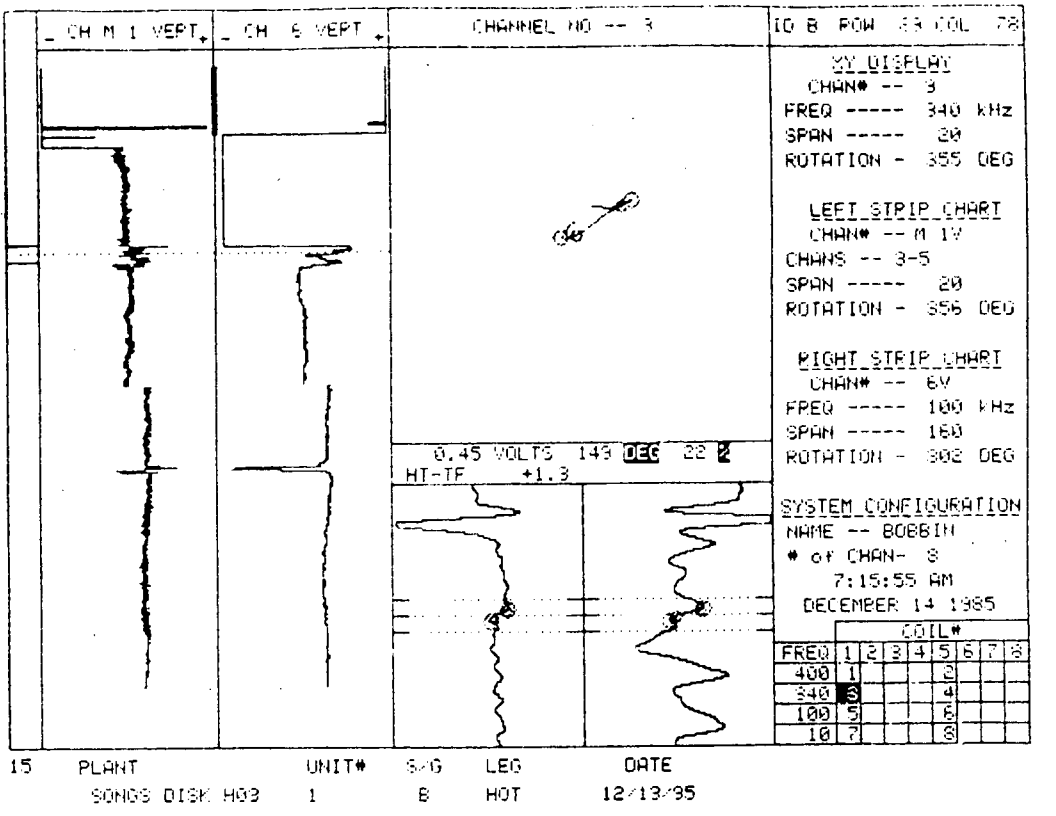

_ CH M 1 VERT +
_ CH 6 VERT +
CHANNEL NO — 3
ID B ROW 27 COL 20
XY DISPLAY
CHAN# — 3
FREQ ——— 340 kHz
SPAN ——— 20
ROTATION - 355 DEG
LEFT STRIP CHART
CHAN# — M 1V
CHANS — 3-5
SPAN ——— 20
ROTATION - 356 DEG
RIGHT STRIP CHART
CHAN# — 6V
FREQ ——— 100 kHz
SPAN ——— 150
ROTATION - 382 DEG
1.26 VOLTS 159 DEG 13
HT-TF +2.6
SYSTEM CONFIGURATION
NAME — BOBBIN
# of CHAN— 8
9:45:06 AM
DECEMBER 14 1985
COIL#
FREQ 1 2 3 4 5 6 7 8
400 1 2
340 3 4
100 5 6
10 7 8
15 PLANT UNIT# S/G LEG DATE
SONGS DISK H03 1 B HOT 12/13/95

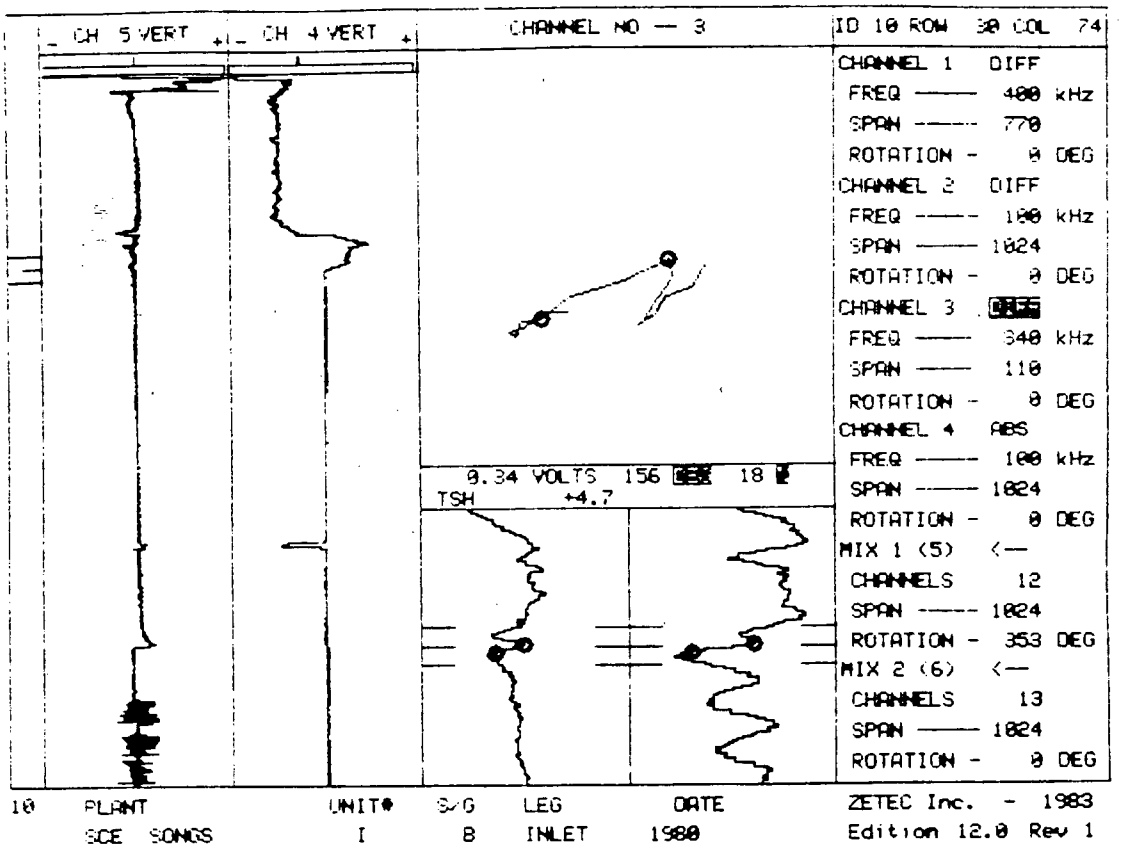

_ CH M 1 VERT +
_ CH 6 VERT +
CHANNEL NO — 3
ID B ROW 27 COL 20
XY DISPLAY
CHAN# — 3
FREQ ——— 340 kHz
SPAN ——— 20
ROTATION - 355 DEG
LEFT STRIP CHART
CHAN# — M 1V
CHANS — 3-5
SPAN ——— 20
ROTATION - 356 DEG
RIGHT STRIP CHART
CHAN# — 6V
FREQ ——— 100 kHz
SPAN ——— 150
ROTATION - 382 DEG
0.59 VOLTS 149 DEG 22
HT-TF +1.7
SYSTEM CONFIGURATION
NAME — BOBBIN
# of CHAN— 8
9:45:06 AM
DECEMBER 14 1985
COIL#
FREQ 1 2 3 4 5 6 7 8
400 1 2
340 3 4
100 5 6
10 7 8
15 PLANT UNIT# S/G LEG DATE
SONGS DISK H03 1 B HOT 12/13/95

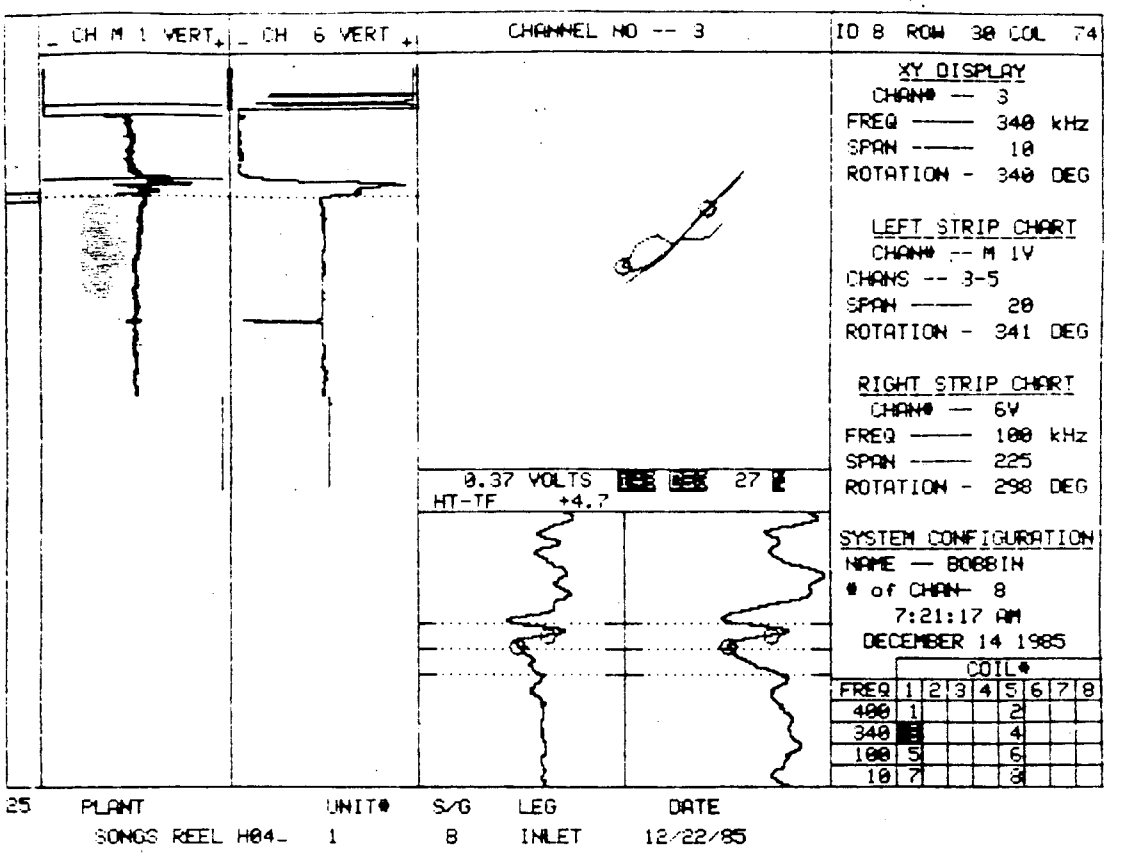

CH 5 VERT
CH 4 VERT
CHANNEL NO — 3
ID 10 ROW 28 COL 21
CHANNEL 1 DIFF
FREQ ——— 400 kHz
SPAN ——— 770
ROTATION - 0 DEG
CHANNEL 2 DIFF
FREQ ——— 100 kHz
SPAN ——— 1024
ROTATION - 0 DEG
CHANNEL 3
FREQ ——— 340 kHz
SPAN ——— 320
ROTATION - 0 DEG
CHANNEL 4 ABS
FREQ ——— 100 kHz
SPAN ——— 564
ROTATION - 0 DEG
MIX 1 (5) <--
CHANNELS 12
SPAN ——— 1014
ROTATION - 353 DEG
MIX 2 (6) <--
CHANNELS 13
SPAN ——— 1024
ROTATION - 0 DEG
0.40 VOLTS 141 31
TSH +2.8
10 PLANT SCE SONGS
UNIT# 1
S/G B
LEG INLET
DATE 1980
ZETEC Inc. - 1983
Edition 12.0 Rev 1

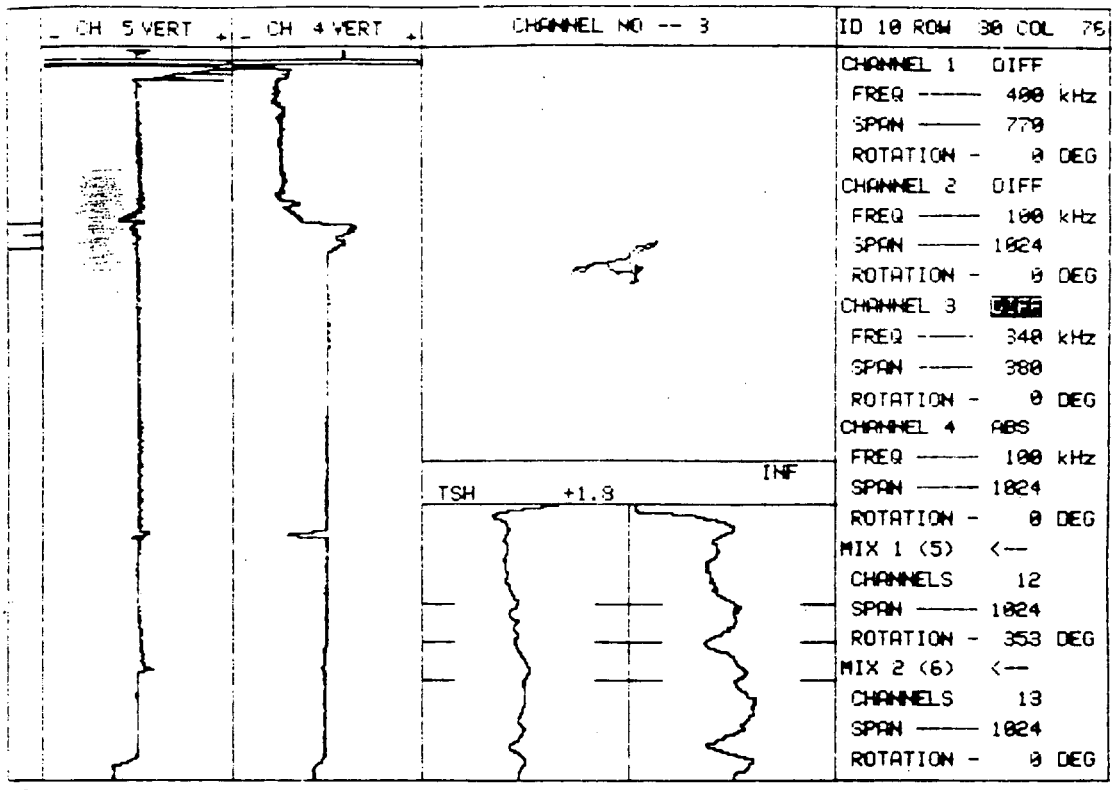

_ CH M 1 VERT +
_ CH 5 VERT +
CHANNEL NO -- 3
ID B ROW 28 COL 21
XY DISPLAY
CHAN# -- 3
FREQ ---- 340 kHz
SPAN ---- 20
ROTATION - 348 DEG
LEFT STRIP CHART
CHAN# -- M 1V
CHANS -- 3-5
SPAN ---- 20
ROTATION - 341 DEG
RIGHT STRIP CHART
CHAN# -- 6V
FREQ ---- 100 kHz
SPAN ---- 225
ROTATION - 298 DEG
0.41 VOLTS 29
HT-TF +2.3
SYSTEM CONFIGURATION
NAME -- BOBBIN
# of CHAN- 8
9:41:26 PM
DECEMBER 14 1985
COIL#
FREQ 1 2 3 4 5 6 7 8
400 1 2
340 3 4
100 5 6
10 7 8
25 PLANT UNIT# S/G LEG DATE
SONGS REEL H04- 1 B INLET 12/22/85

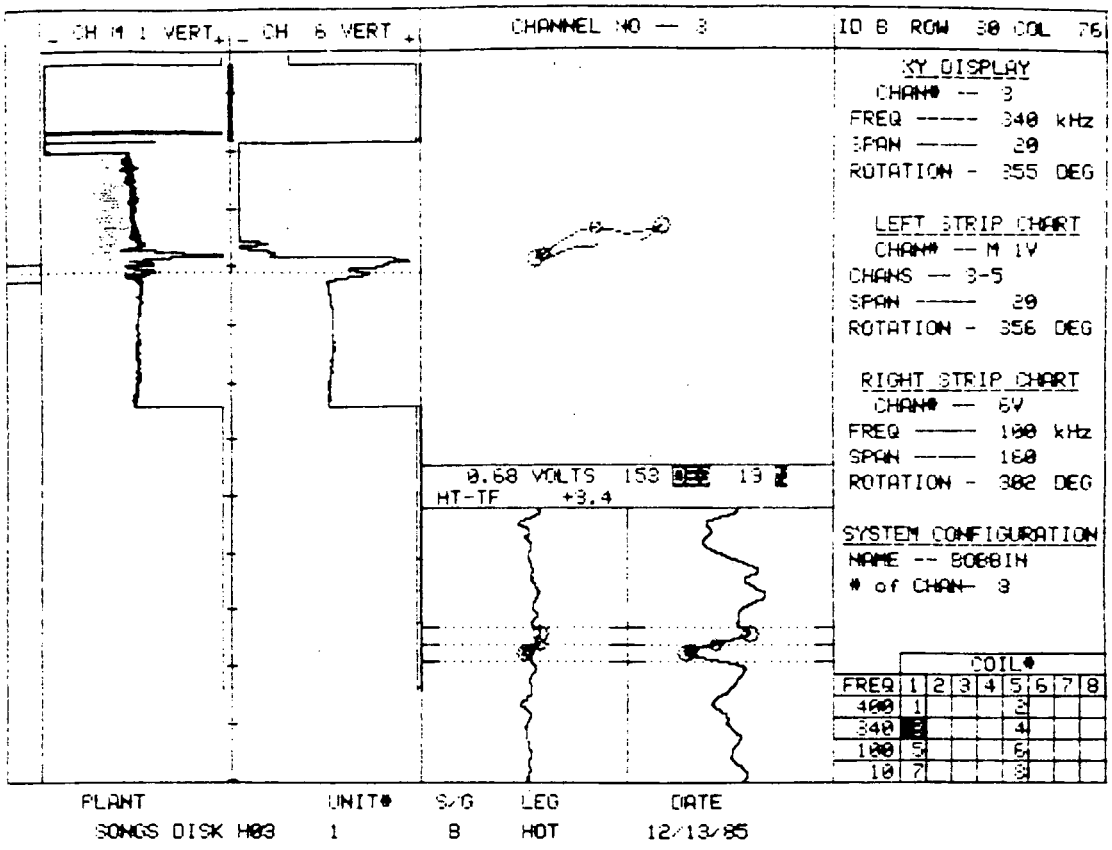

- CH 5 VERT +
- CH 4 VERT +
CHANNEL NO — 3
ID 10 ROW 29 COL 78
CHANNEL 1 DIFF
FREQ —— 400 kHz
SPAN —— 770
ROTATION - 0 DEG
CHANNEL 2 DIFF
FREQ —— 100 kHz
SPAN —— 1034
ROTATION - 0 DEG
CHANNEL 3 DIFF
FREQ —— 340 kHz
SPAN —— 90
ROTATION - 0 DEG
CHANNEL 4 ABS
FREQ —— 100 kHz
SPAN —— 664
ROTATION - 0 DEG
MIX 1 (5) <—
CHANNELS 12
SPAN —— 1030
ROTATION - 353 DEG
MIX 2 (6) <—
CHANNELS 13
SPAN —— 1024
ROTATION - 0 DEG
0.02 VOLTS 0 DEG INF
TSH +1.3
29 PLANT UNIT# S/G LEG DATE
SCE SONGS I B INLET 1980
ZETEC Inc. - 1983
Edition 12.0 Rev 1

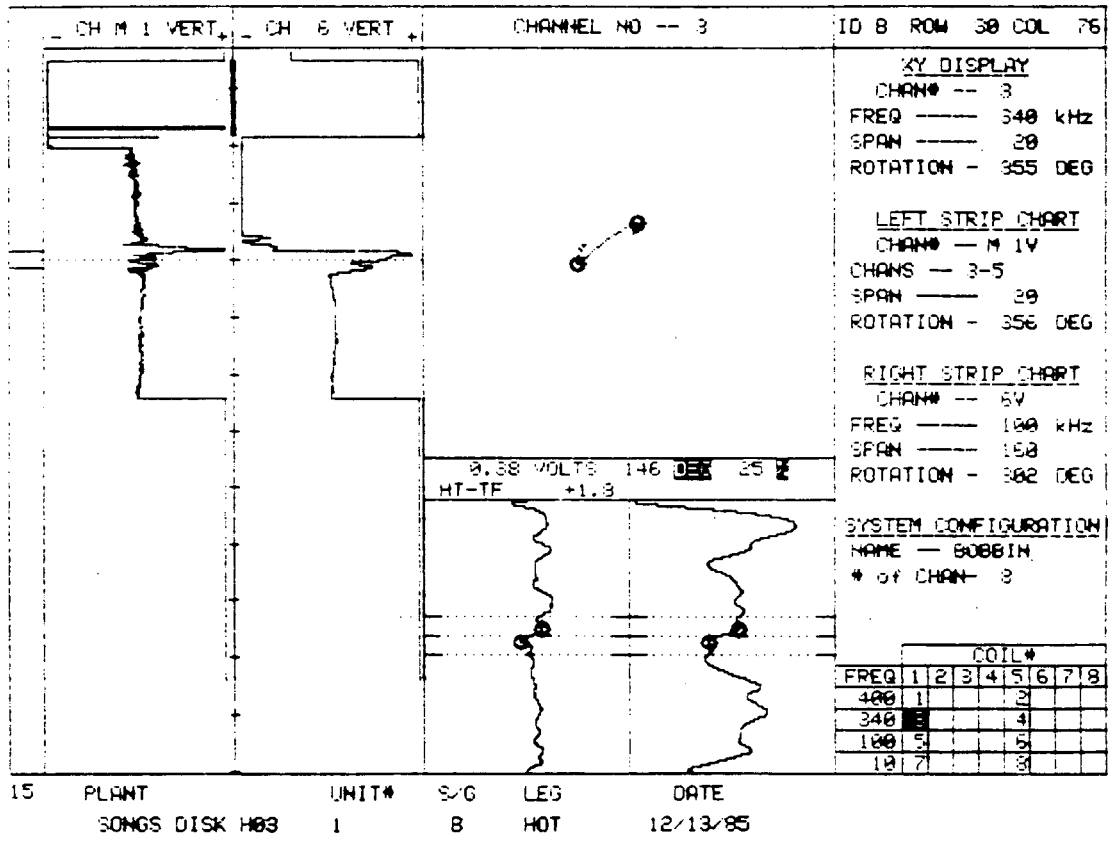

_ CH M 1 VERT +
_ CH 6 VERT +
CHANNEL NO -- 3
ID B ROW 33 COL 78
XY DISPLAY
CHAN# -- 3
FREQ ----- 340 kHz
SPAN ----- 20
ROTATION - 355 DEG
LEFT STRIP CHART
CHAN# -- M 1V
CHANS -- 3-5
SPAN ----- 20
ROTATION - 356 DEG
RIGHT STRIP CHART
CHAN# -- 6V
FREQ ----- 100 kHz
SPAN ----- 160
ROTATION - 302 DEG
SYSTEM CONFIGURATION
NAME -- BOBBIN
# of CHAN- 8
7:15:55 AM
DECEMBER 14 1985
0.45 VOLTS 149 DEG 22 %
HT-TF +1.3
COIL#
FREQ 1 2 3 4 5 6 7 8
400 1 2
340 3 4
100 5 6
10 7 8
15 PLANT UNIT# S/G LEG DATE
SONGS DISK H03 1 B HOT 12/13/85

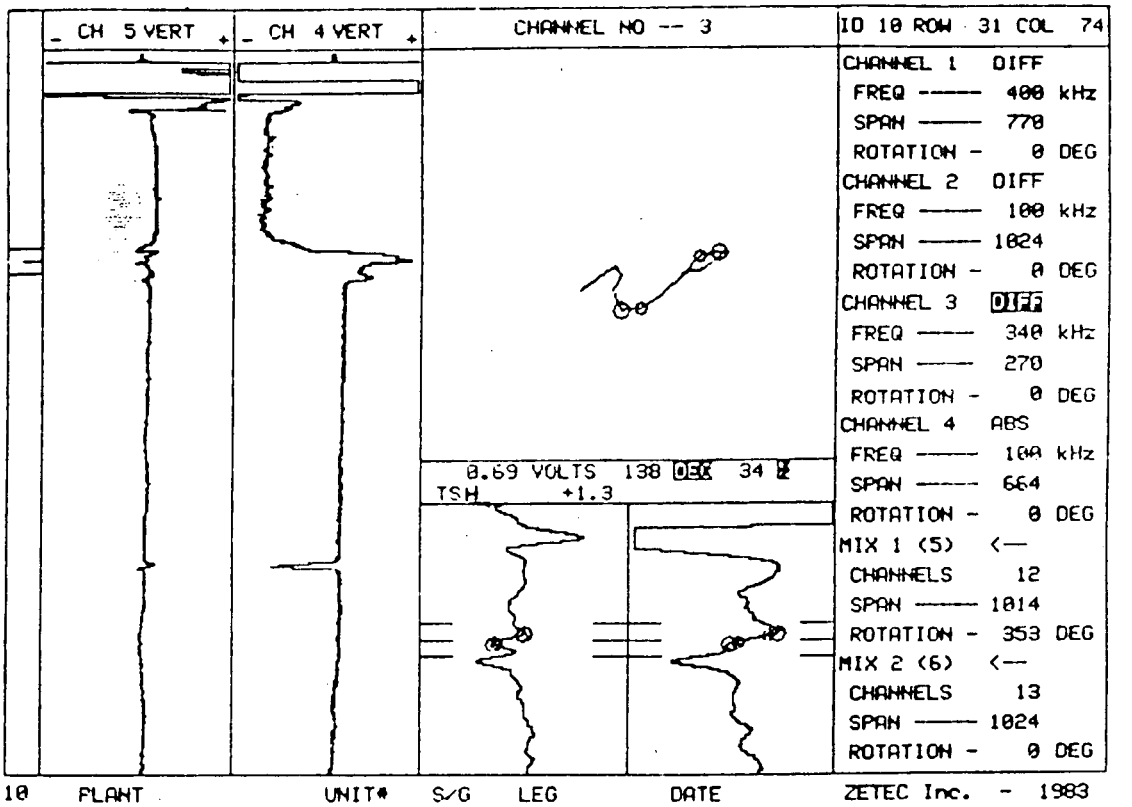

CH 5 VERT
CH 4 VERT
CHANNEL NO — 3
ID 10 ROW 30 COL 74
CHANNEL 1 DIFF
FREQ 400 kHz
SPAN 770
ROTATION - 0 DEG
CHANNEL 2 DIFF
FREQ 100 kHz
SPAN 1024
ROTATION - 0 DEG
CHANNEL 3 ABS
FREQ 340 kHz
SPAN 110
ROTATION - 0 DEG
CHANNEL 4 ABS
FREQ 100 kHz
SPAN 1024
ROTATION - 0 DEG
MIX 1 (5) <—
CHANNELS 12
SPAN 1024
ROTATION - 353 DEG
MIX 2 (6) <—
CHANNELS 13
SPAN 1024
ROTATION - 0 DEG
0.34 VOLTS 156 18
TSH +4.7
10 PLANT SCE SONGS
UNIT# I
S/G B
LEG INLET
DATE 1980
ZETEC Inc. - 1983
Edition 12.0 Rev 1

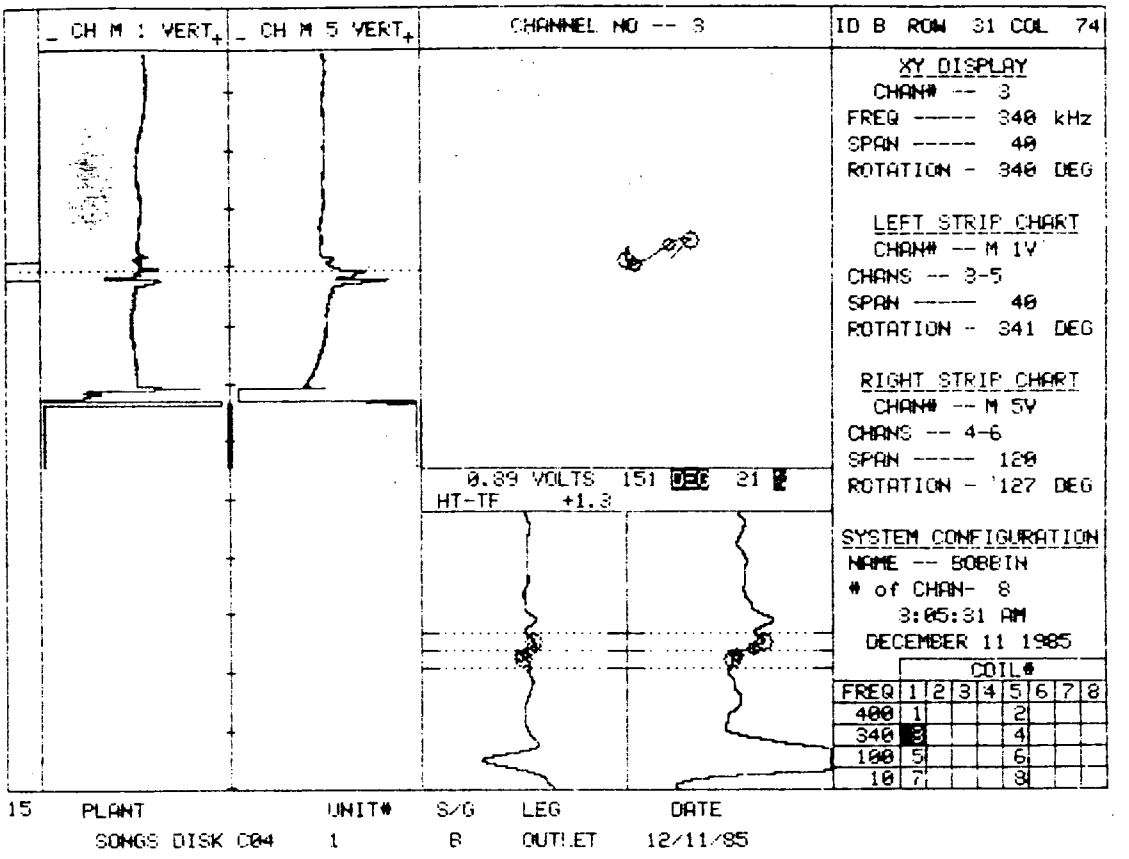

CH M 1 VERT
CH 6 VERT
CHANNEL NO -- 3
ID 8 ROW 30 COL 74
XY DISPLAY
CHAN# -- 3
FREQ ---- 340 kHz
SPAN ---- 10
ROTATION - 340 DEG
LEFT STRIP CHART
CHAN# -- M 1V
CHANS -- 3-5
SPAN ---- 20
ROTATION - 341 DEG
RIGHT STRIP CHART
CHAN# -- 6V
FREQ ---- 100 kHz
SPAN ---- 225
ROTATION - 298 DEG
0.37 VOLTS 27
HT-TF +4.7
SYSTEM CONFIGURATION
NAME -- BOBBIN
# of CHAN- 8
7:21:17 AM
DECEMBER 14 1985
COIL#
FREQ 1 2 3 4 5 6 7 8
400 1 2
340 3 4
100 5 6
10 7 8
25 PLANT UNIT# S/G LEG DATE
SONGS REEL H04 1 8 INLET 12/22/85

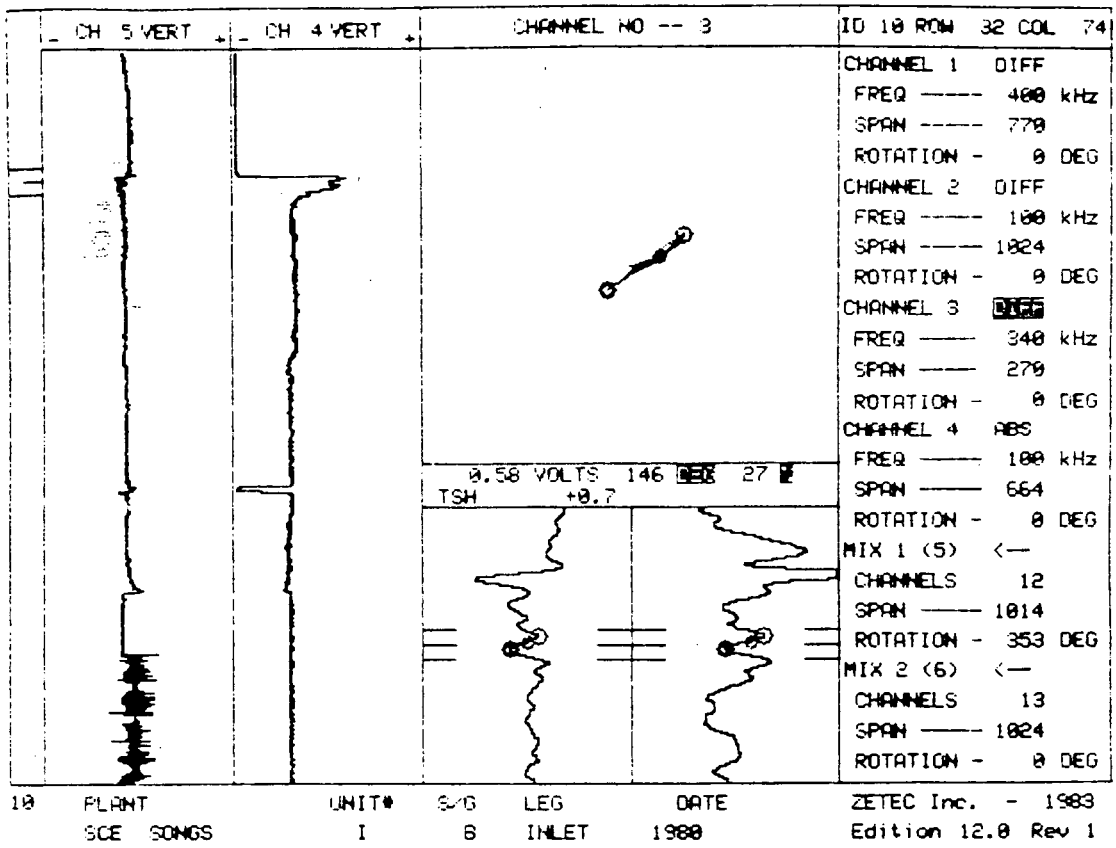

CH 5 VERT
CH 4 VERT
CHANNEL NO -- 3
ID 10 ROW 30 COL 75
CHANNEL 1 DIFF
FREQ ——— 400 kHz
SPAN ——— 770
ROTATION - 0 DEG
CHANNEL 2 DIFF
FREQ ——— 100 kHz
SPAN ——— 1024
ROTATION - 0 DEG
CHANNEL 3 DIFF
FREQ ——— 340 kHz
SPAN ——— 380
ROTATION - 0 DEG
CHANNEL 4 ABS
FREQ ——— 100 kHz
SPAN ——— 1024
ROTATION - 0 DEG
MIX 1 (5) <—
CHANNELS 12
SPAN ——— 1024
ROTATION - 353 DEG
MIX 2 (6) <—
CHANNELS 13
SPAN ——— 1024
ROTATION - 0 DEG
INF
TSH +1.8
10 PLANT SCE SONGS
UNIT# I
S/G B
LEG INLET
DATE 1980
ZETEC Inc. - 1983
Edition 12.0 Rev 1

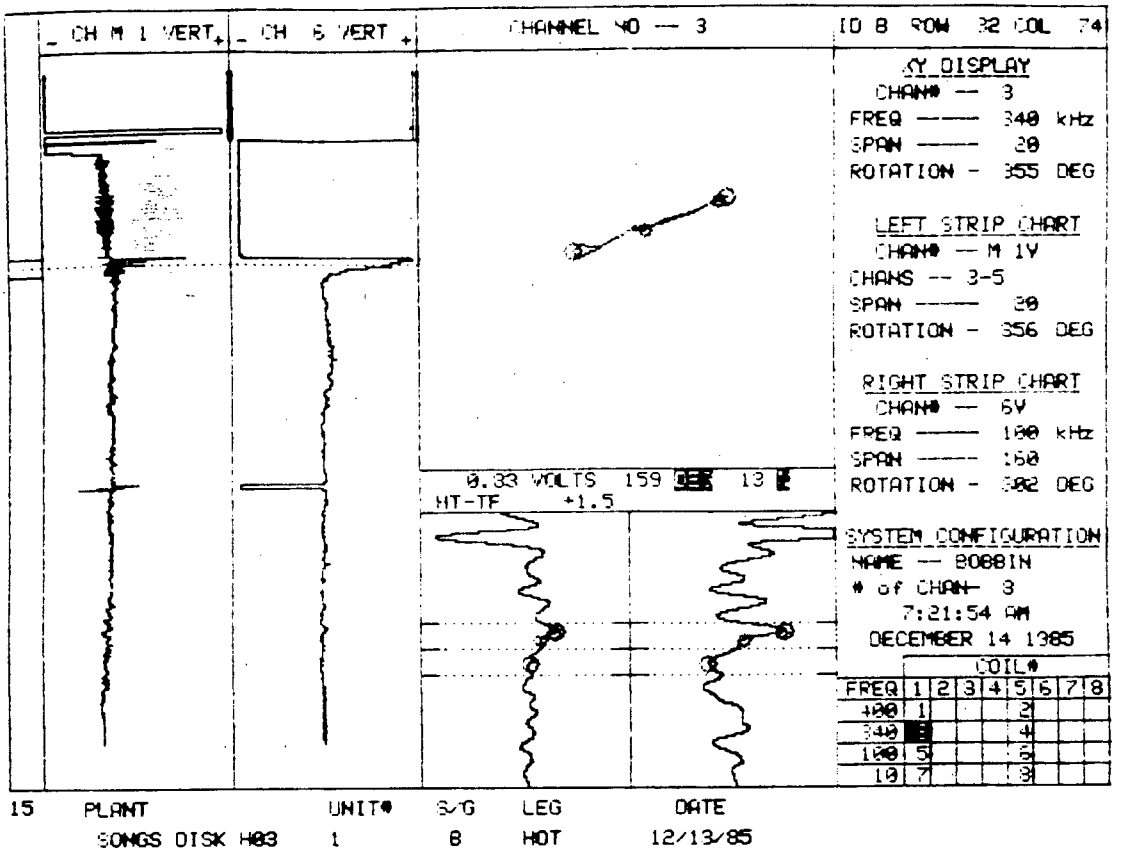

CH M 1 VERT
CH 6 VERT
CHANNEL NO — 3
ID B ROW 30 COL 76
XY DISPLAY
CHAN# — 3
FREQ ——— 340 kHz
SPAN ——— 20
ROTATION - 355 DEG
LEFT STRIP CHART
CHAN# — M 1V
CHANS — 3-5
SPAN ——— 20
ROTATION - 356 DEG
RIGHT STRIP CHART
CHAN# — 6V
FREQ ——— 100 kHz
SPAN ——— 160
ROTATION - 302 DEG
SYSTEM CONFIGURATION
NAME — BOBBIN
# of CHAN— 8
0.68 VOLTS 153 DEG 13
HT-TF +3.4
COIL#
FREQ 1 2 3 4 5 6 7 8
400 1 2
340 3 4
100 5 6
10 7 8
PLANT UNIT# S/G LEG DATE
SONGS DISK H03 1 B HOT 12/13/85

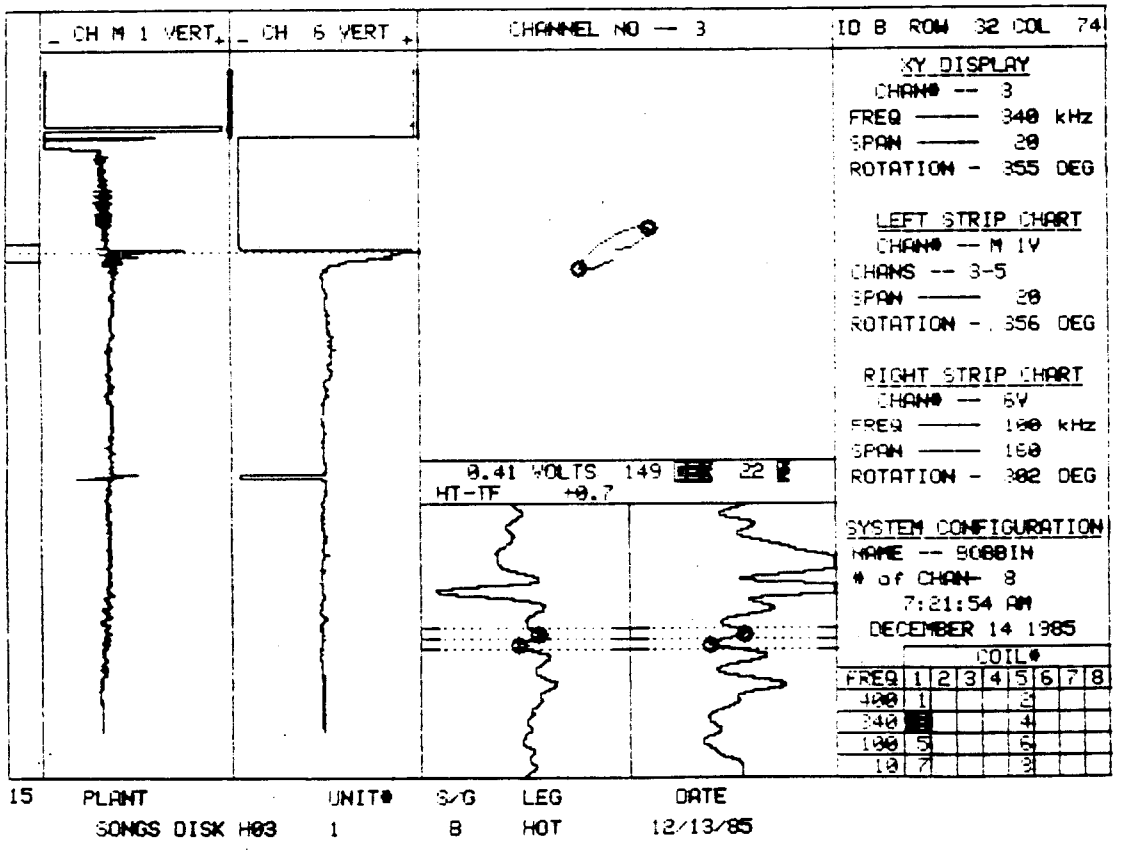

CH M 1 VERT
CH 6 VERT
CHANNEL NO — 3
ID B ROW 30 COL 76
XY DISPLAY
CHAN# — 3
FREQ ——— 340 kHz
SPAN ——— 20
ROTATION - 355 DEG
LEFT STRIP CHART
CHAN# — M 1V
CHANS — 3-5
SPAN ——— 20
ROTATION - 356 DEG
RIGHT STRIP CHART
CHAN# — 6V
FREQ ——— 100 kHz
SPAN ——— 150
ROTATION - 302 DEG
SYSTEM CONFIGURATION
NAME — BOBBIN
# of CHAN— 8
0.38 VOLTS 146 DEG 25
HT-TF +1.8
COIL#
FREQ 1 2 3 4 5 6 7 8
400 1 2
340 3 4
100 5 6
10 7 8
15
PLANT UNIT# S/G LEG DATE
SONGS DISK H03 1 B HOT 12/13/85

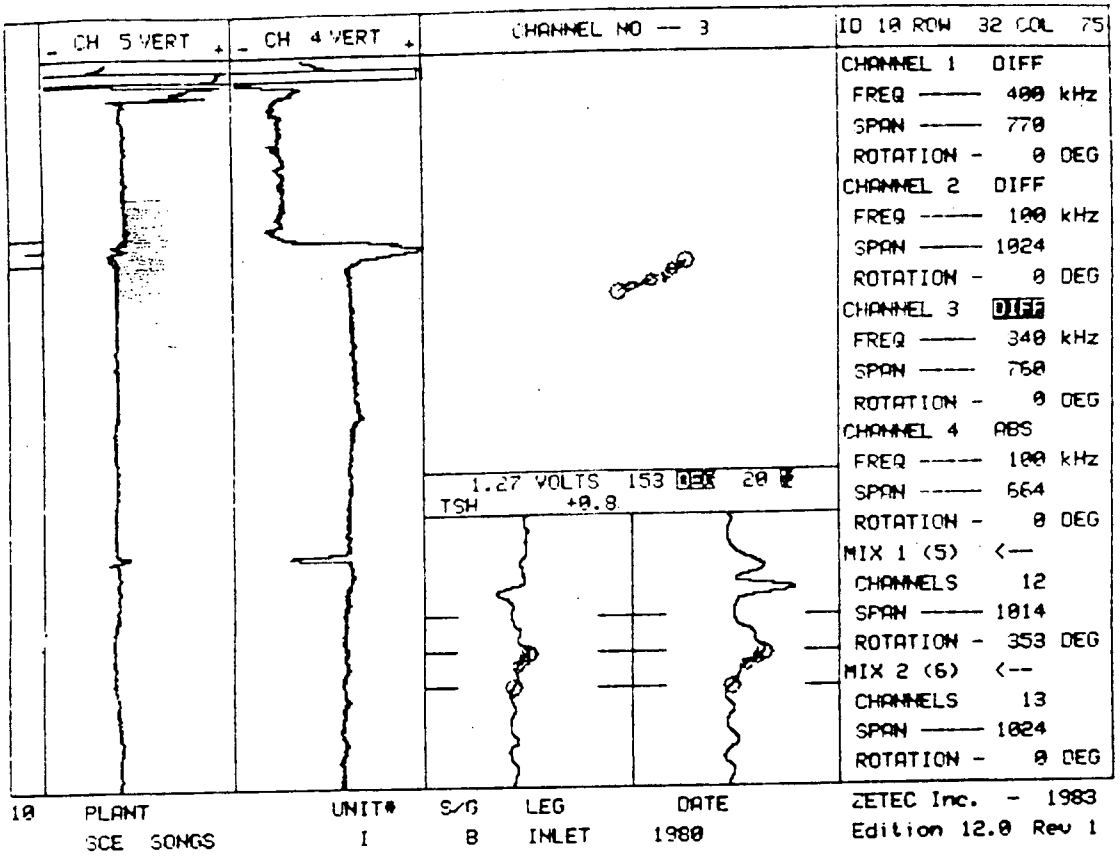

CH 5 VERT
CH 4 VERT
CHANNEL NO -- 3
ID 10 ROW 31 COL 74
CHANNEL 1 DIFF
FREQ ——— 400 kHz
SPAN ——— 770
ROTATION - 0 DEG
CHANNEL 2 DIFF
FREQ ——— 100 kHz
SPAN ——— 1024
ROTATION - 0 DEG
CHANNEL 3 DIFF
FREQ ——— 340 kHz
SPAN ——— 270
ROTATION - 0 DEG
CHANNEL 4 ABS
FREQ ——— 100 kHz
SPAN ——— 664
ROTATION - 0 DEG
MIX 1 (5) <—
CHANNELS 12
SPAN ——— 1014
ROTATION - 353 DEG
MIX 2 (6) <—
CHANNELS 13
SPAN ——— 1024
ROTATION - 0 DEG
0.69 VOLTS 138 DEG 34
TSH +1.3
10 PLANT SCE SONGS
UNIT# I
S/G B
LEG INLET
DATE 1980
ZETEC Inc. - 1983
Edition 12.0 Rev 1

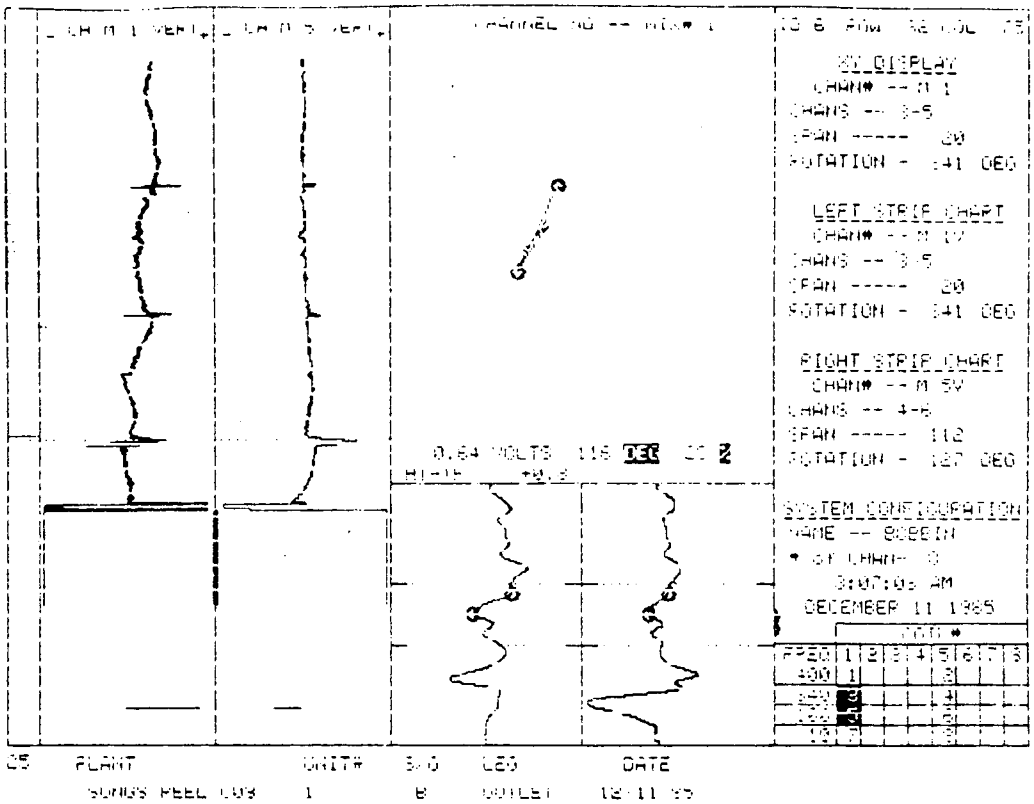

_ CH M 1 VERT+
_ CH M 5 VERT+
CHANNEL NO -- 3
ID B ROW 31 COL 74
XY DISPLAY
CHAN# -- 3
FREQ ----- 340 kHz
SPAN ----- 40
ROTATION - 340 DEG
LEFT STRIP CHART
CHAN# -- M 1V
CHANS -- 3-5
SPAN ----- 40
ROTATION - 341 DEG
RIGHT STRIP CHART
CHAN# -- M 5V
CHANS -- 4-6
SPAN ----- 120
ROTATION - 127 DEG
SYSTEM CONFIGURATION
NAME -- BOBBIN
# of CHAN- 8
3:05:31 AM
DECEMBER 11 1985
0.89 VOLTS 151 DEG 21
HT-TF +1.3
COIL#
FREQ 1 2 3 4 5 6 7 8
400 1 2
340 3 4
100 5 6
10 7 8
15 PLANT UNIT# S/G LEG DATE
SONGS DISK 004 1 B OUTLET 12/11/85

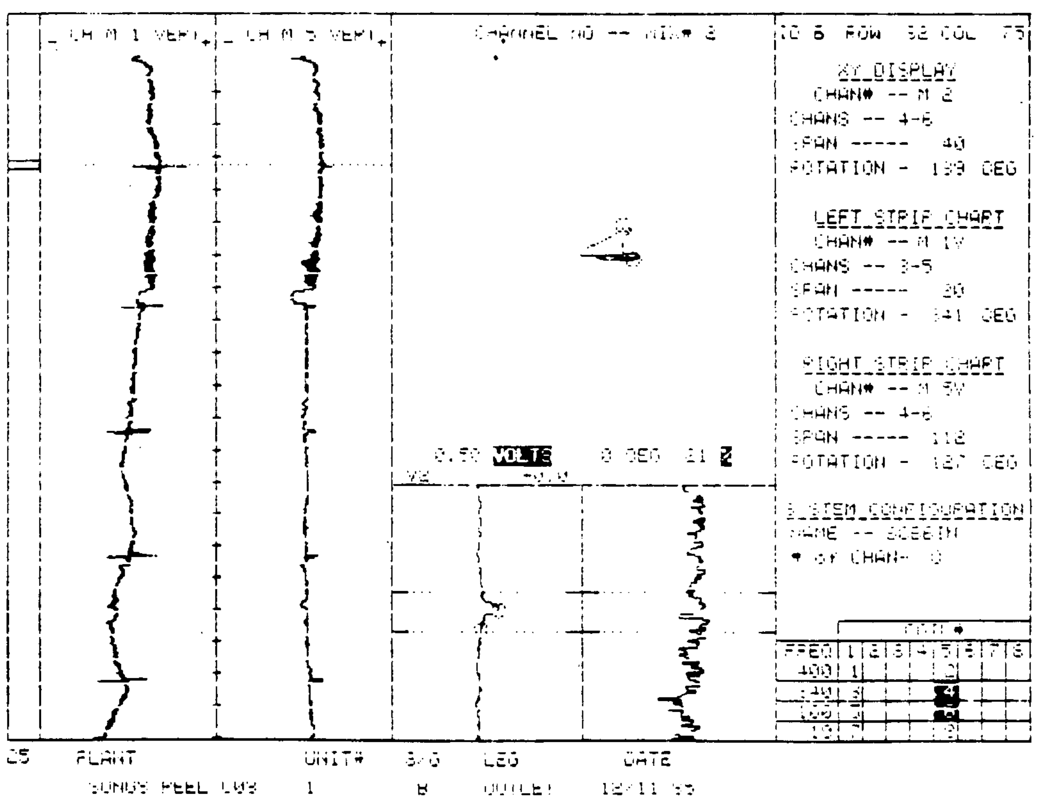

CH 5 VERT
CH 4 VERT
CHANNEL NO -- 3
ID 10 ROW 32 COL 74
CHANNEL 1 DIFF
FREQ ----- 400 kHz
SPAN ----- 770
ROTATION - 0 DEG
CHANNEL 2 DIFF
FREQ ----- 100 kHz
SPAN ----- 1024
ROTATION - 0 DEG
CHANNEL 3 DIFF
FREQ ----- 340 kHz
SPAN ----- 279
ROTATION - 0 DEG
CHANNEL 4 ABS
FREQ ----- 100 kHz
SPAN ----- 664
ROTATION - 0 DEG
MIX 1 (5) <—
CHANNELS 12
SPAN ----- 1014
ROTATION - 353 DEG
MIX 2 (6) <—
CHANNELS 13
SPAN ----- 1024
ROTATION - 0 DEG
0.58 VOLTS 146 DEG 27
TSH +0.7
10 PLANT SCE SONGS
UNIT# I
S/G 6
LEG INLET
DATE 1980
ZETEC Inc. - 1983
Edition 12.0 Rev 1

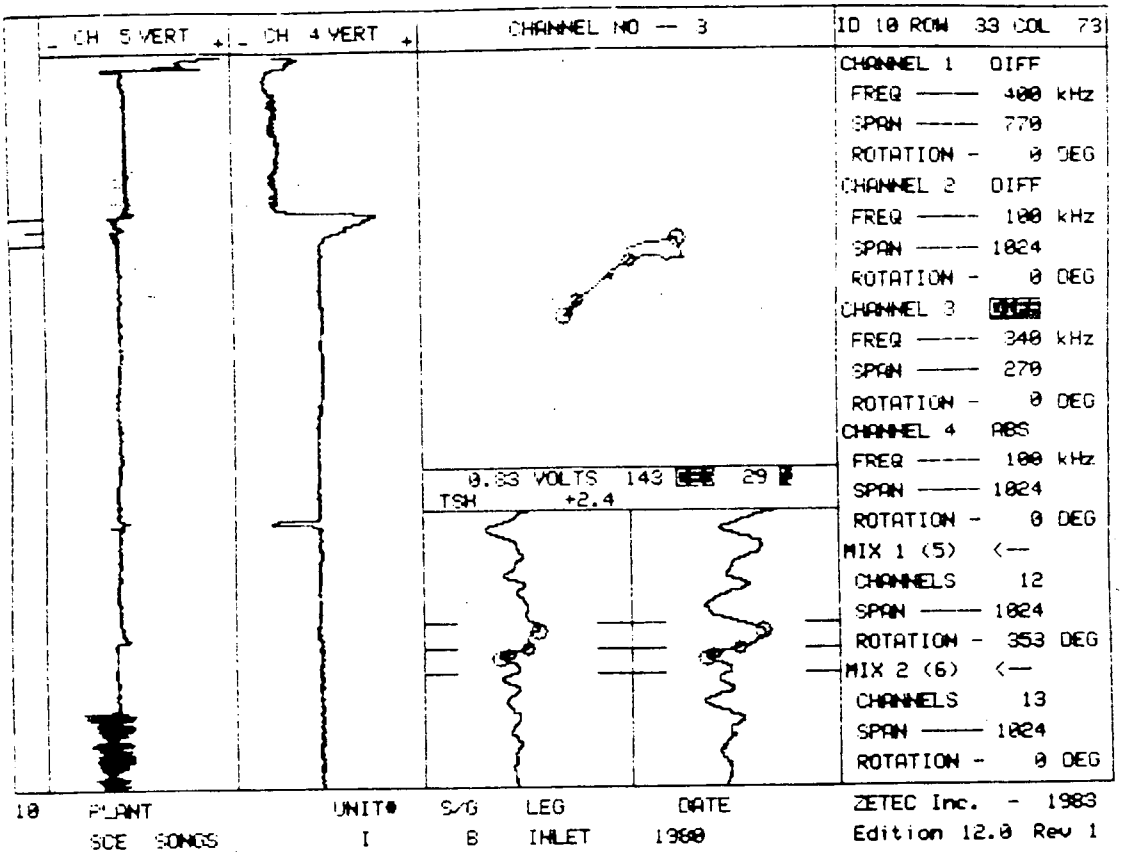

_ CH M 1 VERT +
_ CH 6 VERT +
CHANNEL NO — 3
ID 8 ROW 32 COL 74
XY DISPLAY
CHAN# — 3
FREQ —— 340 kHz
SPAN —— 20
ROTATION - 355 DEG
LEFT STRIP CHART
CHAN# — M 1V
CHANS — 3-5
SPAN —— 20
ROTATION - 356 DEG
RIGHT STRIP CHART
CHAN# — 6V
FREQ —— 100 kHz
SPAN —— 100
ROTATION - 302 DEG
0.33 VOLTS 159 DEG 13
HT-TF +1.5
SYSTEM CONFIGURATION
NAME — BOBBIN
# of CHAN— 8
7:21:54 AM
DECEMBER 14 1985
COIL#
FREQ 1 2 3 4 5 6 7 8
400 1 2
340 3 4
100 5 6
10 7 8
15 PLANT UNIT# S/G LEG DATE
SONGS DISK H03 1 8 HOT 12/13/85

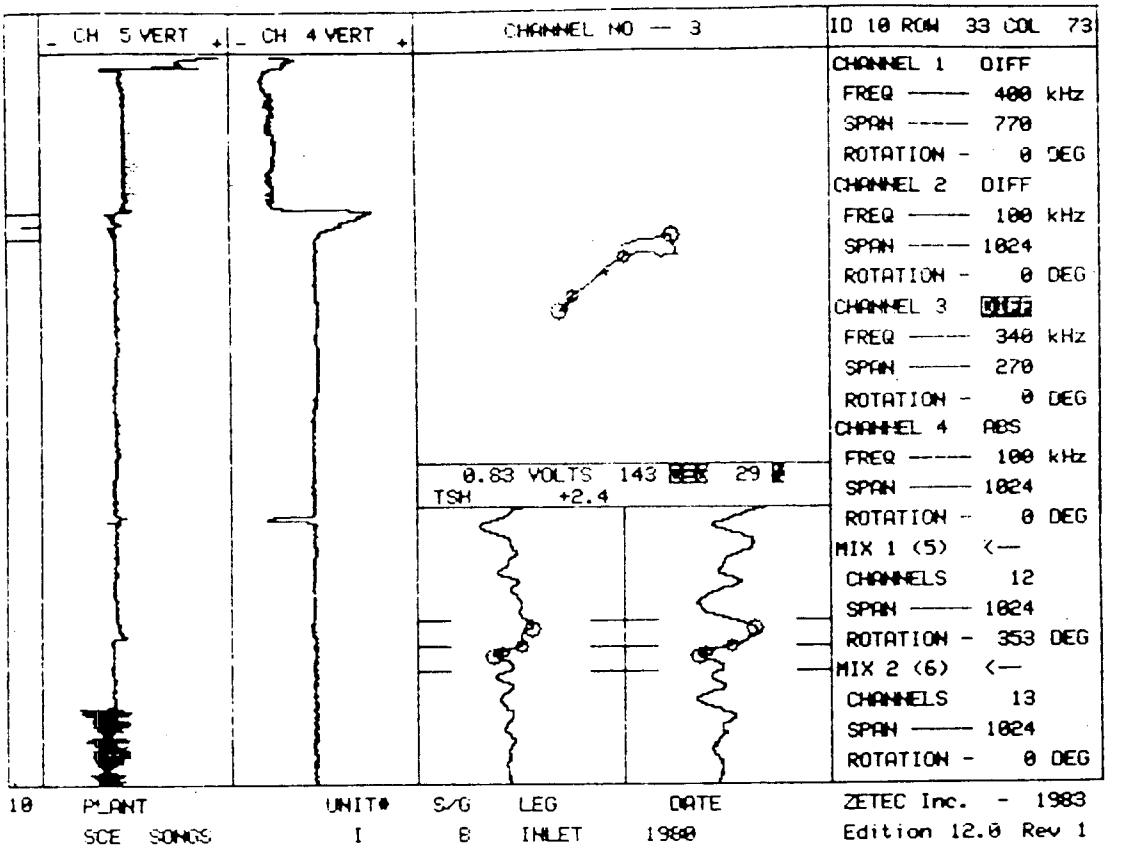

_ CH M 1 VERT +
_ CH 6 VERT +
CHANNEL NO — 3
ID 8 ROW 32 COL 74
XY DISPLAY
CHAN# — 3
FREQ —— 340 kHz
SPAN —— 20
ROTATION - 355 DEG
LEFT STRIP CHART
CHAN# — M 1V
CHANS — 3-5
SPAN —— 20
ROTATION - 356 DEG
RIGHT STRIP CHART
CHAN# — 6V
FREQ —— 100 kHz
SPAN —— 100
ROTATION - 302 DEG
0.41 VOLTS 149 DEG 22
HT-TF +0.7
SYSTEM CONFIGURATION
NAME — BOBBIN
# of CHAN— 8
7:21:54 AM
DECEMBER 14 1985
COIL#
FREQ 1 2 3 4 5 6 7 8
400 1 2
340 3 4
100 5 6
10 7 8
15 PLANT UNIT# S/G LEG DATE
SONGS DISK H03 1 8 HOT 12/13/85

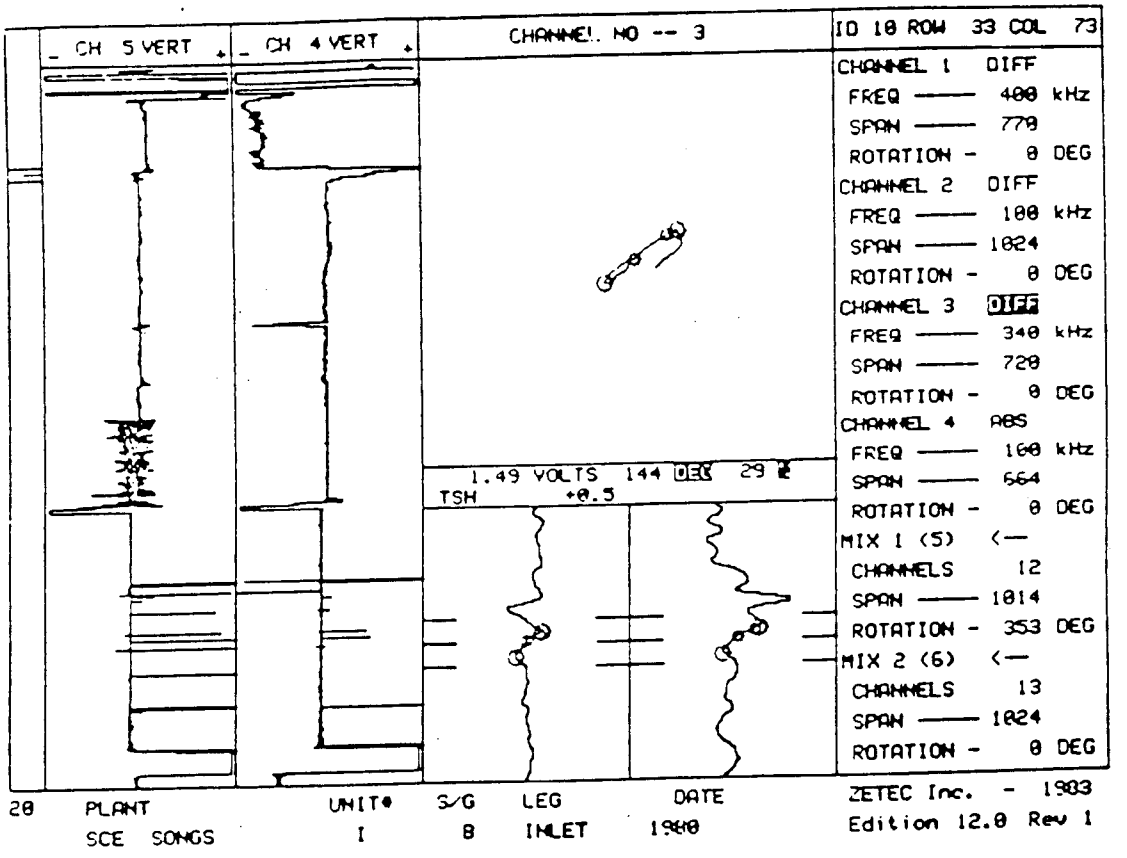

CH 5 VERT
CH 4 VERT
CHANNEL NO — 3
1.27 VOLTS 153 DEG 20
TSH +0.8
ID 10 ROW 32 COL 75
CHANNEL 1 DIFF
FREQ 400 kHz
SPAN 770
ROTATION - 0 DEG
CHANNEL 2 DIFF
FREQ 100 kHz
SPAN 1024
ROTATION - 0 DEG
CHANNEL 3 DIFF
FREQ 340 kHz
SPAN 750
ROTATION - 0 DEG
CHANNEL 4 ABS
FREQ 100 kHz
SPAN 664
ROTATION - 0 DEG
MIX 1 (5) <—
CHANNELS 12
SPAN 1014
ROTATION - 353 DEG
MIX 2 (6) <--
CHANNELS 13
SPAN 1024
ROTATION - 0 DEG
10 PLANT
SCE SONGS
UNIT#
I
S/G
B
LEG
INLET
DATE
1980
ZETEC Inc. - 1983
Edition 12.0 Rev 1

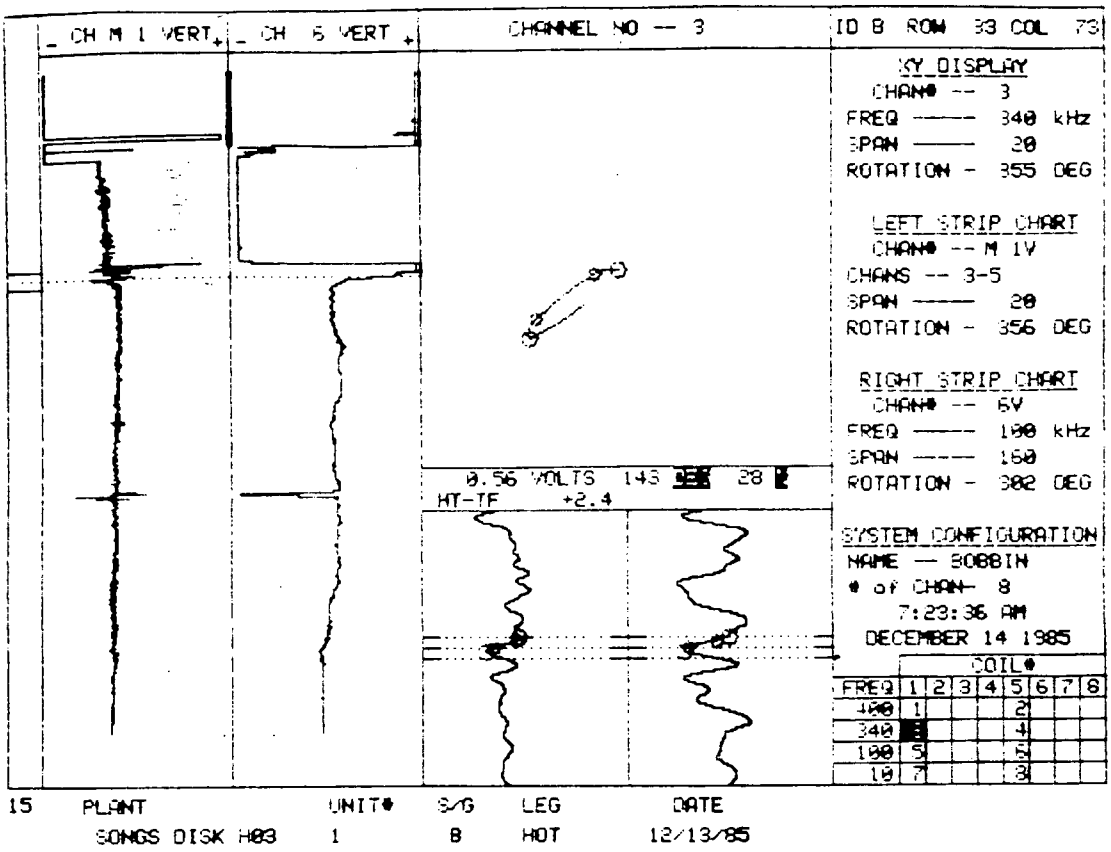

CH M 1 VERT
CH M 5 VERT
CHANNEL NO -- MIX# 1
ROW 32 COL 75
XY DISPLAY
CHAN# -- M 1
CHANS -- 3-5
SPAN ----- 20
ROTATION - 341 DEG
LEFT STRIP CHART
CHAN# -- M 1V
CHANS -- 3-5
SPAN ----- 20
ROTATION - 341 DEG
RIGHT STRIP CHART
CHAN# -- M 5V
CHANS -- 4-6
SPAN ----- 112
ROTATION - 127 DEG
0.64 VOLTS 116 DEG
SYSTEM CONFIGURATION
NAME -- BOBBIN
3:07:05 AM
DECEMBER 11 1985
FREQ
400
PLANT
UNIT#
LEG
DATE
1
B
OUTLET
12/11/85

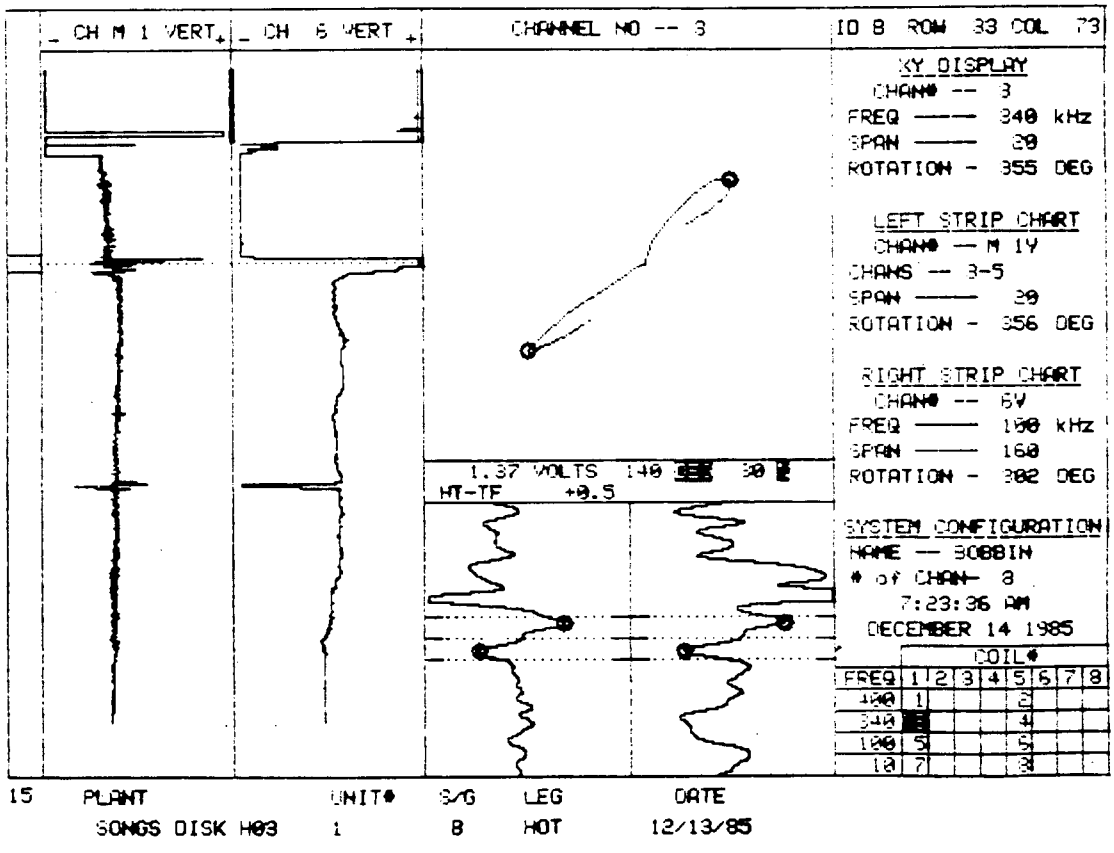

CH M 1 VERT
CH M 5 VERT
CHANNEL NO -- MIX# 2
ROW 32 COL 75
XY DISPLAY
CHAN# -- M 2
CHANS -- 4-6
SPAN ----- 40
ROTATION - 139 DEG
LEFT STRIP CHART
CHAN# -- M 1V
CHANS -- 3-5
SPAN ----- 20
ROTATION - 341 DEG
RIGHT STRIP CHART
CHAN# -- M 5V
CHANS -- 4-6
SPAN ----- 112
ROTATION - 127 DEG
0.50 VOLTS 0 DEG
SYSTEM CONFIGURATION
NAME -- BOBBIN
FREQ
400
PLANT
UNIT#
LEG
DATE
1
B
OUTLET
12/11/85

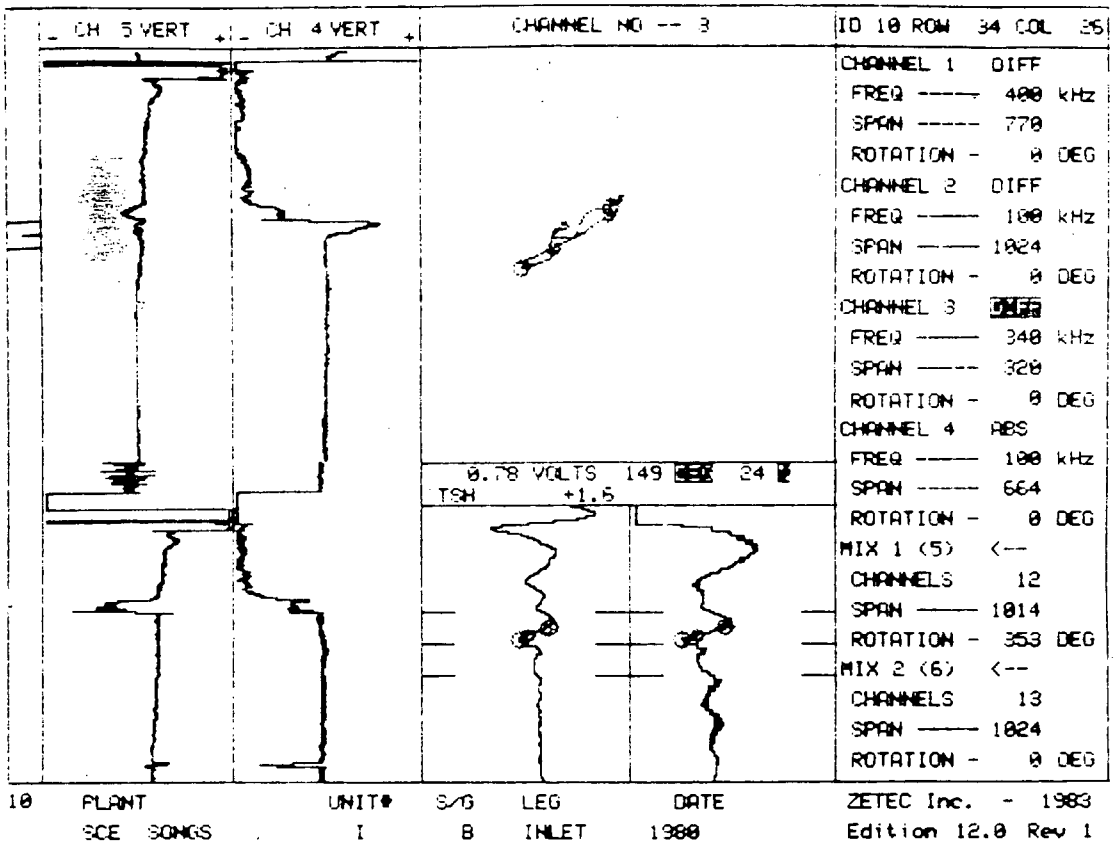

CH 5 VERT
CH 4 VERT
CHANNEL NO — 3
ID 10 ROW 33 COL 73
CHANNEL 1 DIFF
FREQ —— 400 kHz
SPAN —— 770
ROTATION - 0 DEG
CHANNEL 2 DIFF
FREQ —— 100 kHz
SPAN —— 1024
ROTATION - 0 DEG
CHANNEL 3
FREQ —— 340 kHz
SPAN —— 270
ROTATION - 0 DEG
CHANNEL 4 ABS
FREQ —— 100 kHz
SPAN —— 1024
ROTATION - 0 DEG
MIX 1 (5) <—
CHANNELS 12
SPAN —— 1024
ROTATION - 353 DEG
MIX 2 (6) <—
CHANNELS 13
SPAN —— 1024
ROTATION - 0 DEG
0.33 VOLTS 143 29
TSH +2.4
10 PLANT SCE SONGS
UNIT# I
S/G B
LEG INLET
DATE 1980
ZETEC Inc. - 1983
Edition 12.0 Rev 1

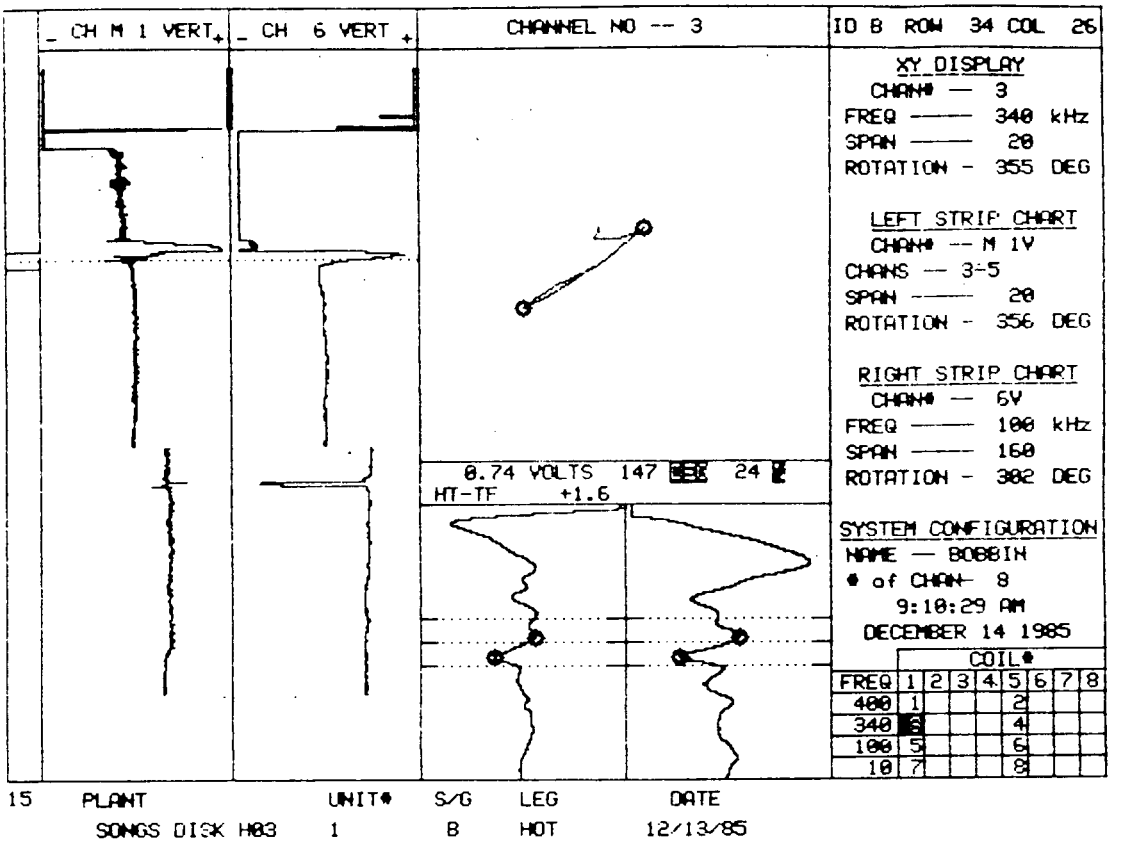

CH 5 VERT
CH 4 VERT
CHANNEL NO — 3
ID 10 ROW 33 COL 73
CHANNEL 1 DIFF
FREQ —— 400 kHz
SPAN —— 770
ROTATION - 0 DEG
CHANNEL 2 DIFF
FREQ —— 100 kHz
SPAN —— 1024
ROTATION - 0 DEG
CHANNEL 3 DIFF
FREQ —— 340 kHz
SPAN —— 270
ROTATION - 0 DEG
CHANNEL 4 ABS
FREQ —— 100 kHz
SPAN —— 1024
ROTATION - 0 DEG
MIX 1 (5) <—
CHANNELS 12
SPAN —— 1024
ROTATION - 353 DEG
MIX 2 (6) <—
CHANNELS 13
SPAN —— 1024
ROTATION - 0 DEG
0.83 VOLTS 143 DEG 29
TSH +2.4
10 PLANT UNIT# S/G LEG DATE
SCE SONGS I 8 INLET 1988
ZETEC Inc. - 1983
Edition 12.0 Rev 1

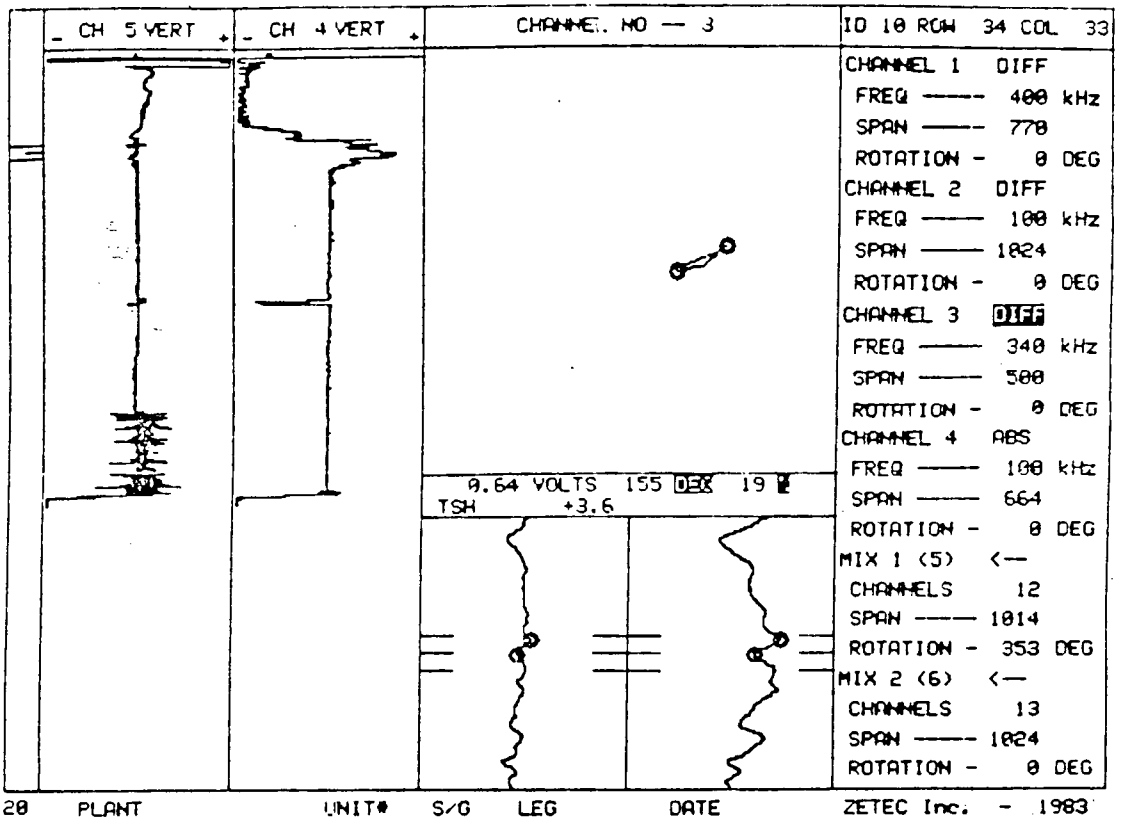

CH 5 VERT
CH 4 VERT
CHANNEL NO — 3
ID 10 ROW 33 COL 73
CHANNEL 1 DIFF
FREQ —— 400 kHz
SPAN —— 770
ROTATION - 0 DEG
CHANNEL 2 DIFF
FREQ —— 100 kHz
SPAN —— 1024
ROTATION - 0 DEG
CHANNEL 3 DIFF
FREQ —— 340 kHz
SPAN —— 720
ROTATION - 0 DEG
CHANNEL 4 ABS
FREQ —— 100 kHz
SPAN —— 664
ROTATION - 0 DEG
MIX 1 (5) <—
CHANNELS 12
SPAN —— 1014
ROTATION - 353 DEG
MIX 2 (6) <—
CHANNELS 13
SPAN —— 1024
ROTATION - 0 DEG
1.49 VOLTS 144 DEG 29
TSH +0.5
20 PLANT UNIT# S/G LEG DATE
SCE SONGS I 8 INLET 1988
ZETEC Inc. - 1983
Edition 12.0 Rev 1

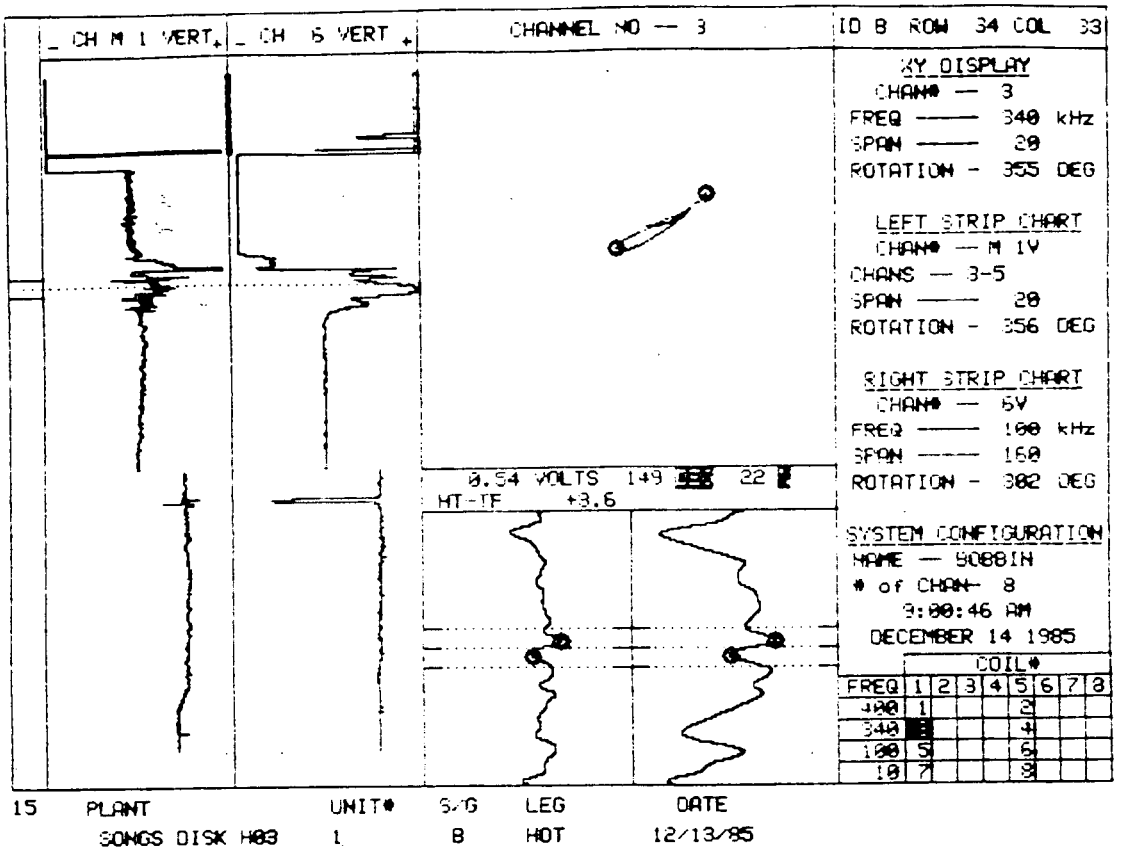

_ CH M 1 VERT +
_ CH 5 VERT +
CHANNEL NO -- 3
ID 8 ROW 33 COL 73
XY DISPLAY
CHAN# -- 3
FREQ ---- 340 kHz
SPAN ---- 20
ROTATION - 355 DEG
LEFT STRIP CHART
CHAN# -- M 1V
CHANS -- 3-5
SPAN ---- 20
ROTATION - 356 DEG
RIGHT STRIP CHART
CHAN# -- 6V
FREQ ---- 100 kHz
SPAN ---- 160
ROTATION - 302 DEG
SYSTEM CONFIGURATION
NAME -- BOBBIN
# of CHAN- 8
7:23:36 AM
DECEMBER 14 1985
COIL#
FREQ 1 2 3 4 5 6 7 8
400 1 2
340 3 4
100 5 6
10 7 8
0.56 VOLTS 143 28
HT-TF +2.4
15 PLANT UNIT# S/G LEG DATE
SONGS DISK H03 1 8 HOT 12/13/85

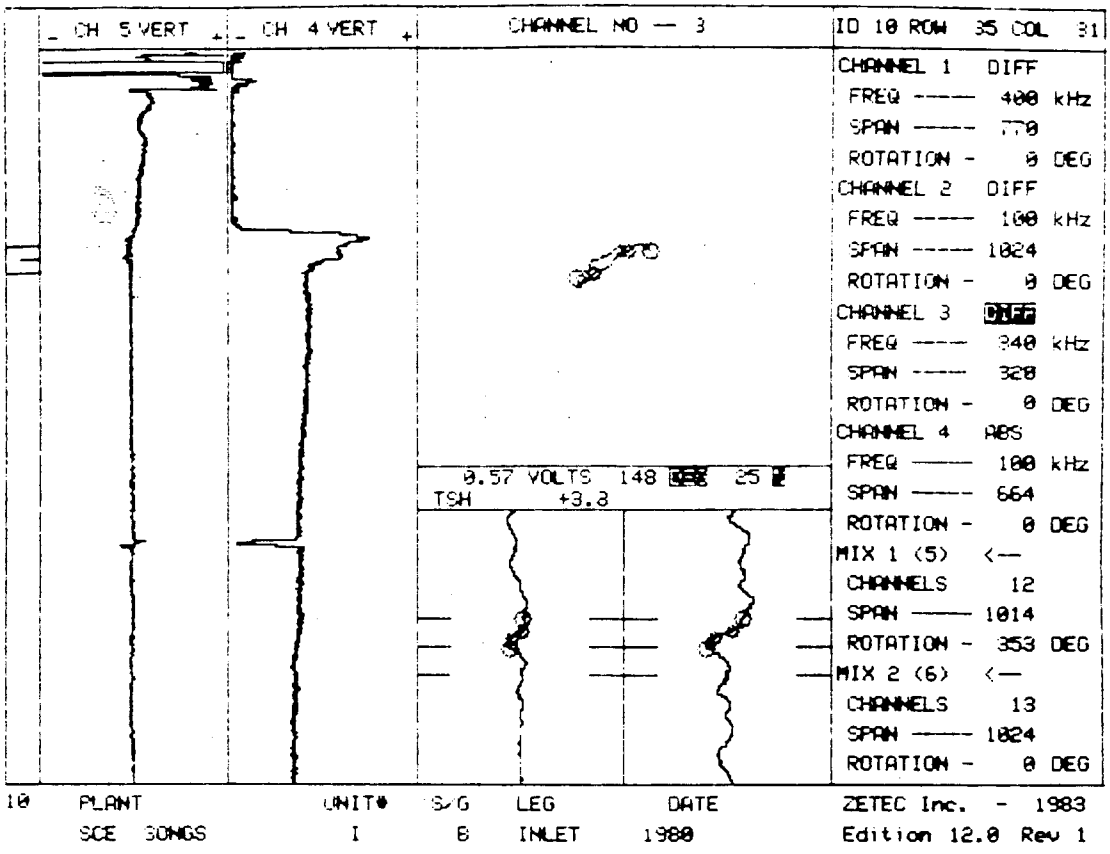

_ CH M 1 VERT +
_ CH 5 VERT +
CHANNEL NO -- 3
ID 8 ROW 33 COL 73
XY DISPLAY
CHAN# -- 3
FREQ ---- 340 kHz
SPAN ---- 20
ROTATION - 355 DEG
LEFT STRIP CHART
CHAN# -- M 1V
CHANS -- 3-5
SPAN ---- 20
ROTATION - 356 DEG
RIGHT STRIP CHART
CHAN# -- 6V
FREQ ---- 100 kHz
SPAN ---- 160
ROTATION - 302 DEG
SYSTEM CONFIGURATION
NAME -- BOBBIN
# of CHAN- 8
7:23:36 AM
DECEMBER 14 1985
COIL#
FREQ 1 2 3 4 5 6 7 8
400 1 2
340 3 4
100 5 6
10 7 8
1.37 VOLTS 140 30
HT-TF +0.5
15 PLANT UNIT# S/G LEG DATE
SONGS DISK H03 1 8 HOT 12/13/85

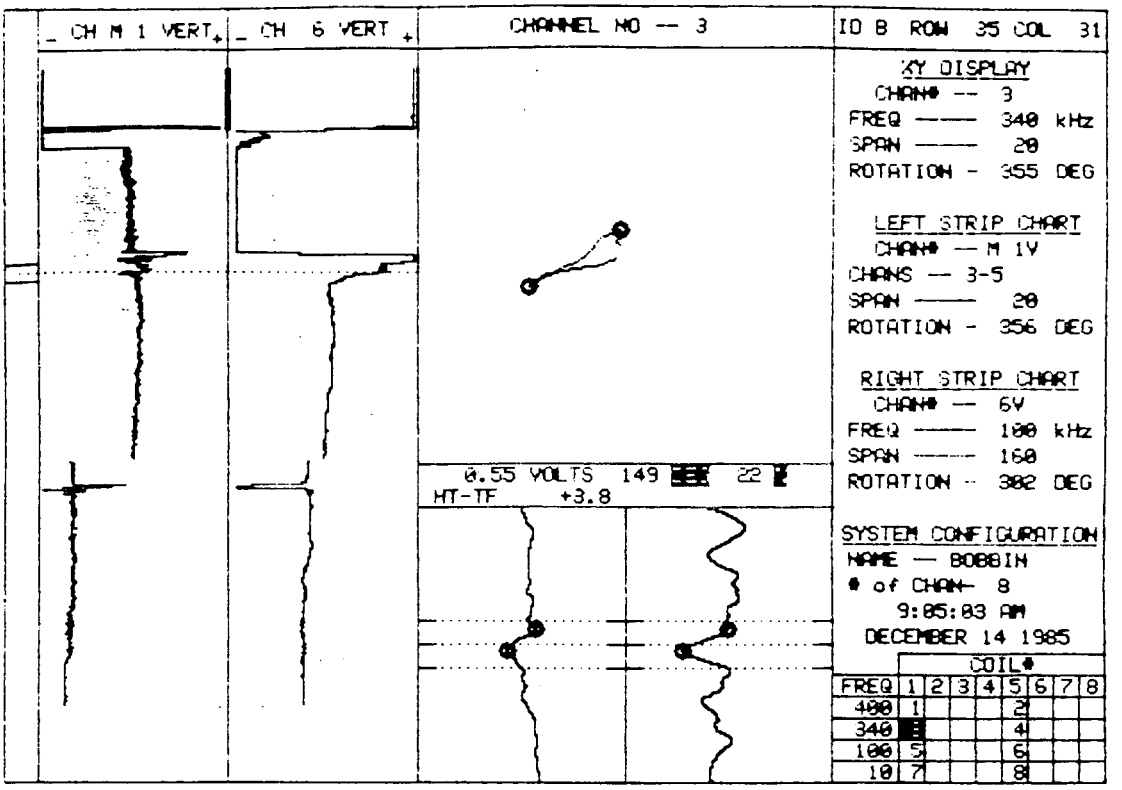

CH 5 VERT
CH 4 VERT
CHANNEL NO -- 3
ID 10 ROW 34 COL 35
0.78 VOLTS 149 DEG 24 %
TSH +1.5
CHANNEL 1 DIFF
FREQ ----- 400 kHz
SPAN ----- 770
ROTATION - 0 DEG
CHANNEL 2 DIFF
FREQ ----- 100 kHz
SPAN ----- 1024
ROTATION - 0 DEG
CHANNEL 3 DIFF
FREQ ----- 340 kHz
SPAN ----- 320
ROTATION - 0 DEG
CHANNEL 4 ABS
FREQ ----- 100 kHz
SPAN ----- 664
ROTATION - 0 DEG
MIX 1 (5) <--
CHANNELS 12
SPAN ----- 1014
ROTATION - 353 DEG
MIX 2 (6) <--
CHANNELS 13
SPAN ----- 1024
ROTATION - 0 DEG
10 PLANT UNIT# S/G LEG DATE
SCE SONGS I B INLET 1988
ZETEC Inc. - 1983
Edition 12.0 Rev 1

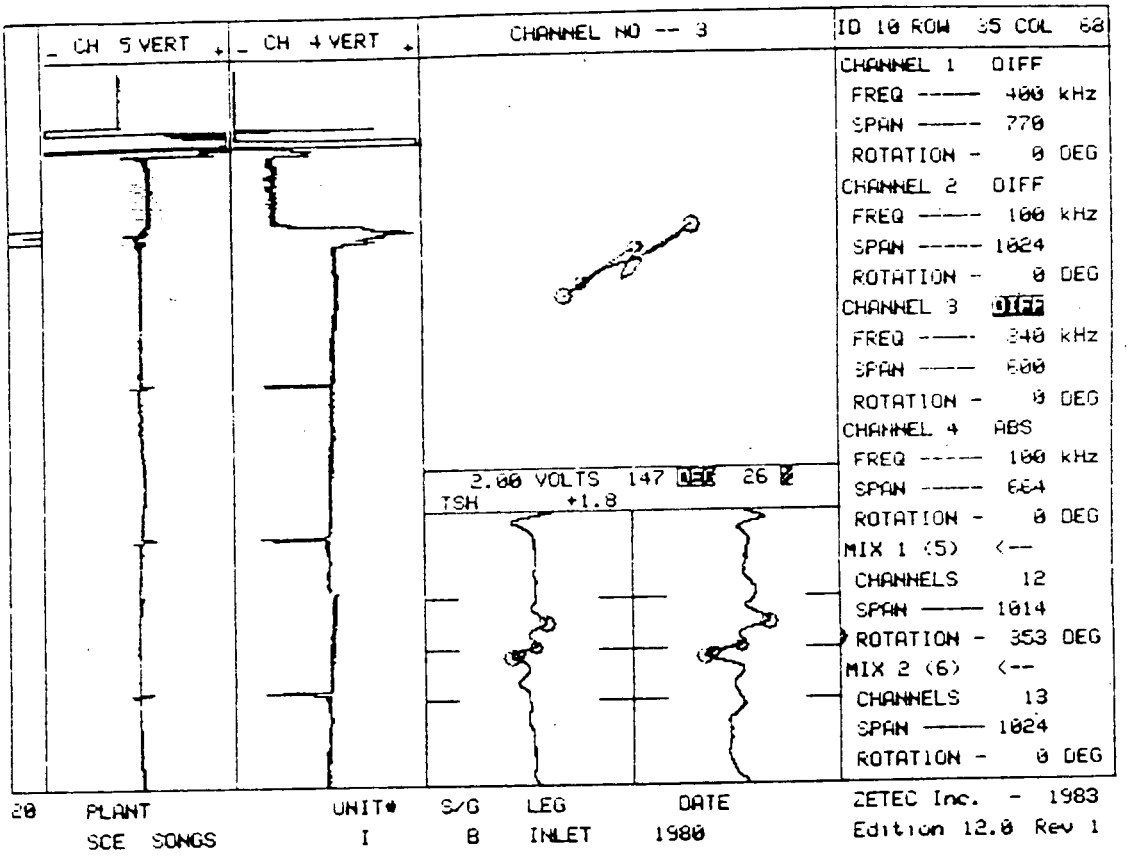

_ CH M 1 VERT +
_ CH 6 VERT +
CHANNEL NO -- 3
ID B ROW 34 COL 26
XY DISPLAY
CHAN# — 3
FREQ —— 340 kHz
SPAN —— 20
ROTATION - 355 DEG
LEFT STRIP CHART
CHAN# -- M 1V
CHANS — 3-5
SPAN —— 20
ROTATION - 356 DEG
RIGHT STRIP CHART
CHAN# — 6V
FREQ —— 100 kHz
SPAN —— 160
ROTATION - 302 DEG
0.74 VOLTS 147 24
HT-TF +1.6
SYSTEM CONFIGURATION
NAME — BOBBIN
# of CHAN- 8
9:10:29 AM
DECEMBER 14 1985
COIL#
FREQ 1 2 3 4 5 6 7 8
400 1 2
340 3 4
100 5 6
10 7 8
15 PLANT UNIT# S/G LEG DATE
SONGS DISK H83 1 B HOT 12/13/85

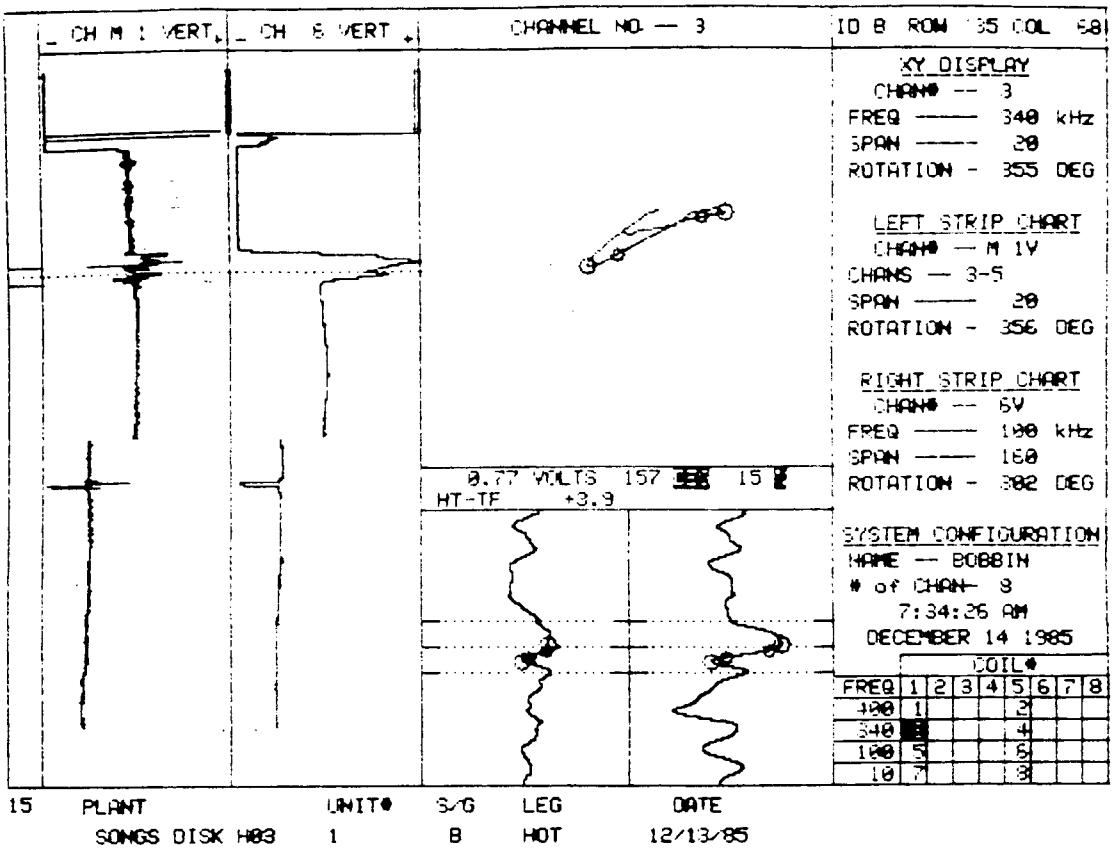

_ CH 5 VERT +
_ CH 4 VERT +
CHANNEL NO — 3
ID 10 ROW 34 COL 33
CHANNEL 1 DIFF
FREQ ——— 400 kHz
SPAN ——— 770
ROTATION - 0 DEG
CHANNEL 2 DIFF
FREQ ——— 100 kHz
SPAN ——— 1024
ROTATION - 0 DEG
CHANNEL 3 DIFF
FREQ ——— 340 kHz
SPAN ——— 500
ROTATION - 0 DEG
CHANNEL 4 ABS
FREQ ——— 100 kHz
SPAN ——— 664
ROTATION - 0 DEG
MIX 1 (5) <—
CHANNELS 12
SPAN ——— 1014
ROTATION - 353 DEG
MIX 2 (6) <—
CHANNELS 13
SPAN ——— 1024
ROTATION - 0 DEG
9.64 VOLTS 155 DEG 19
TSH +3.6
20 PLANT SCE SONGS
UNIT# I
S/G B
LEG INLET
DATE 1980
ZETEC Inc. - 1983
Edition 12.0 Rev 1

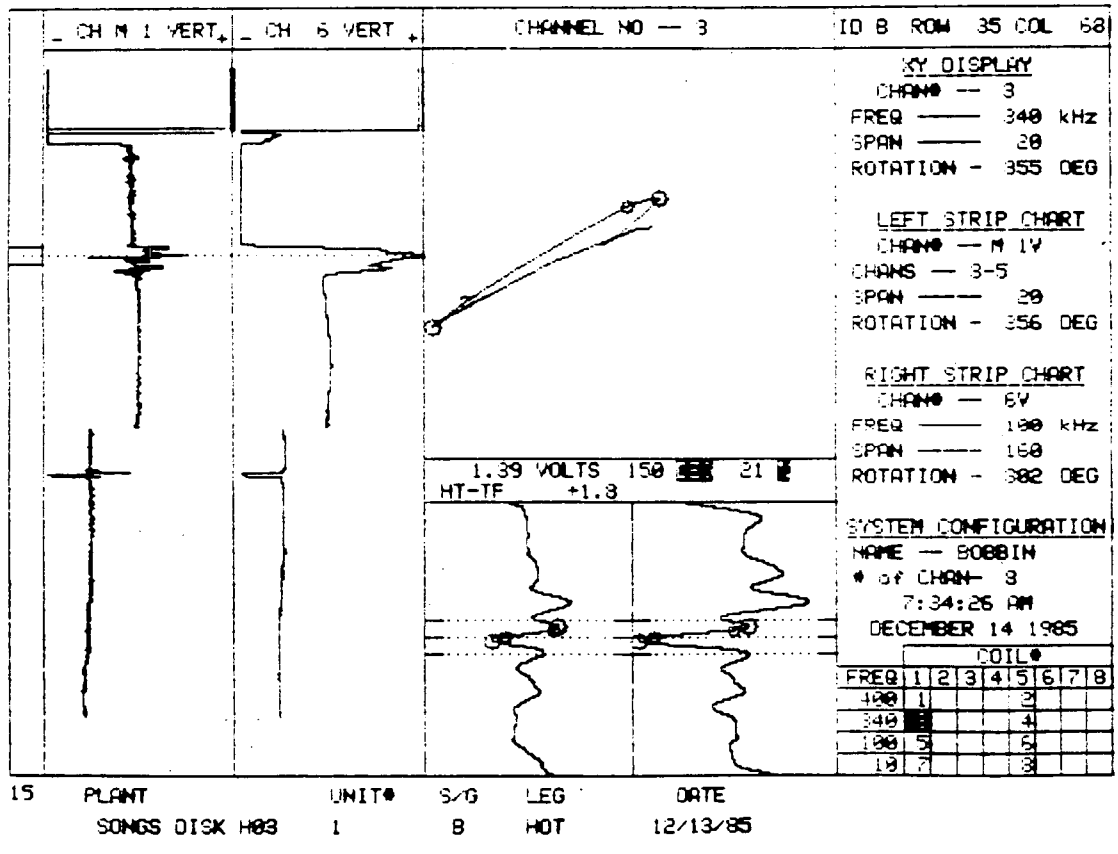

_ CH M 1 VERT +
_ CH 5 VERT +
CHANNEL NO — 3
ID B ROW 34 COL 33
XY DISPLAY
CHAN# — 3
FREQ —— 340 kHz
SPAN —— 20
ROTATION - 355 DEG
LEFT STRIP CHART
CHAN# — M 1V
CHANS — 3-5
SPAN —— 20
ROTATION - 356 DEG
RIGHT STRIP CHART
CHAN# — 5V
FREQ —— 100 kHz
SPAN —— 160
ROTATION - 302 DEG
0.54 VOLTS 149 22
HT-TF +3.6
SYSTEM CONFIGURATION
NAME — 9088IN
# of CHAN— 8
9:00:46 AM
DECEMBER 14 1985
COIL#
FREQ 1 2 3 4 5 6 7 8
400 1 2
340 3 4
100 5 6
10 7 8
15 PLANT UNIT# S/G LEG DATE
SONGS DISK H03 1 B HOT 12/13/85

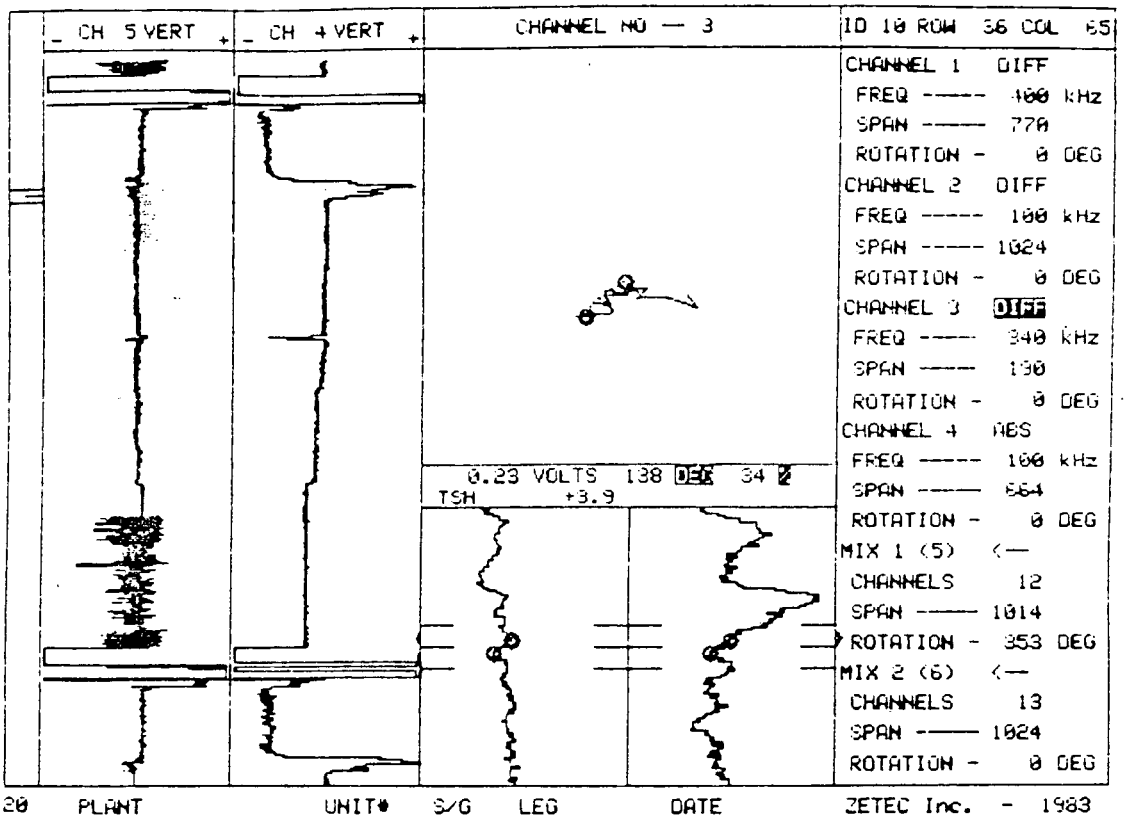

_ CH 5 VERT +
_ CH 4 VERT +
CHANNEL NO — 3
ID 10 ROW 35 COL 31
CHANNEL 1 DIFF
FREQ ——— 400 kHz
SPAN ——— 770
ROTATION - 0 DEG
CHANNEL 2 DIFF
FREQ ——— 100 kHz
SPAN ——— 1024
ROTATION - 0 DEG
CHANNEL 3 DIFF
FREQ ——— 340 kHz
SPAN ——— 320
ROTATION - 0 DEG
CHANNEL 4 ABS
FREQ ——— 100 kHz
SPAN ——— 664
ROTATION - 0 DEG
MIX 1 (5) <—
CHANNELS 12
SPAN ——— 1014
ROTATION - 353 DEG
MIX 2 (6) <—
CHANNELS 13
SPAN ——— 1024
ROTATION - 0 DEG
0.57 VOLTS 148 DEG 25
TSH +3.8
10 PLANT SCE SONGS
UNIT# I
S/G B
LEG INLET
DATE 1988
ZETEC Inc. - 1983
Edition 12.0 Rev 1

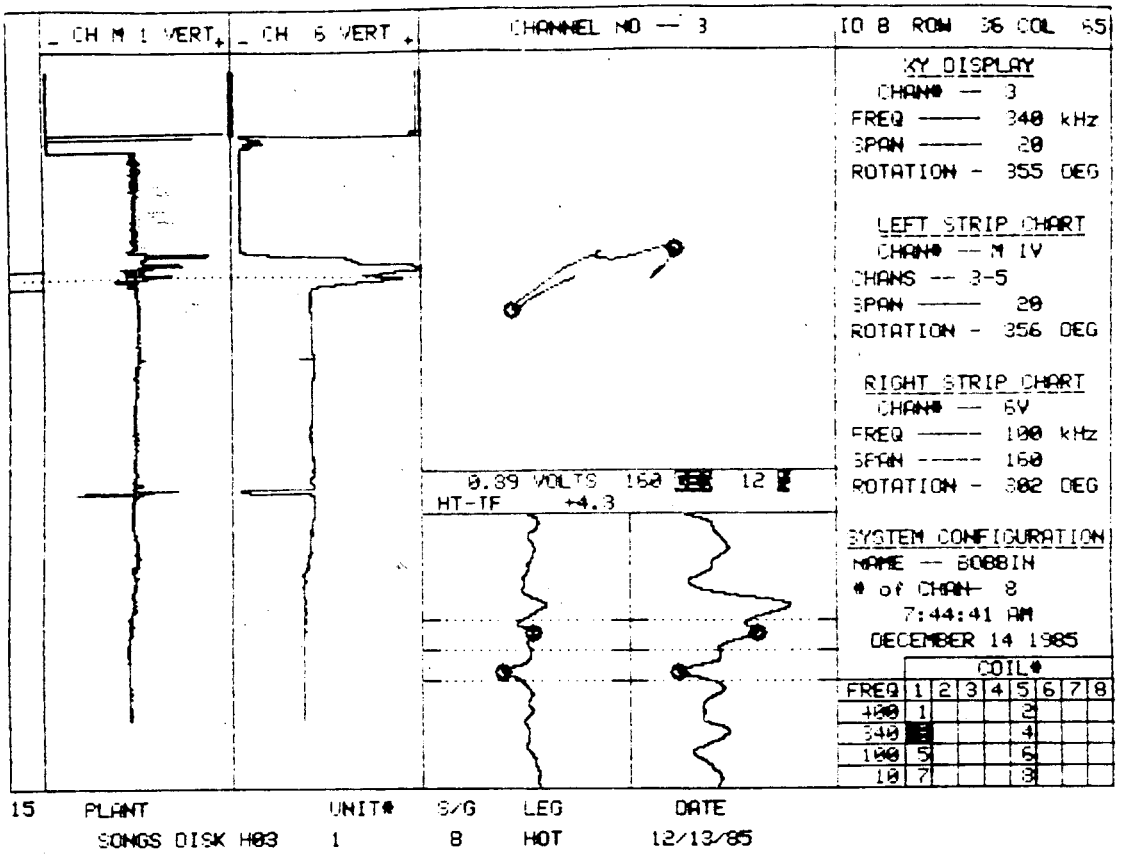

_ CH M 1 VERT +
_ CH 6 VERT +
CHANNEL NO -- 3
ID B ROW 35 COL 31
XY DISPLAY
CHAN# -- 3
FREQ ---- 340 kHz
SPAN ---- 20
ROTATION - 355 DEG
LEFT STRIP CHART
CHAN# -- M 1V
CHANS -- 3-5
SPAN ---- 20
ROTATION - 356 DEG
RIGHT STRIP CHART
CHAN# -- 6V
FREQ ---- 100 kHz
SPAN ---- 160
ROTATION - 302 DEG
0.55 VOLTS 149 22
HT-TF +3.8
SYSTEM CONFIGURATION
NAME -- BOBBIN
# of CHAN- 8
9:05:03 AM
DECEMBER 14 1985
COIL#
FREQ 1 2 3 4 5 6 7 8
400 1 2
340 3 4
100 5 6
10 7 8
15 PLANT UNIT# S/G LEG DATE
SONGS DISK H03 1 B HOT 12/13/85

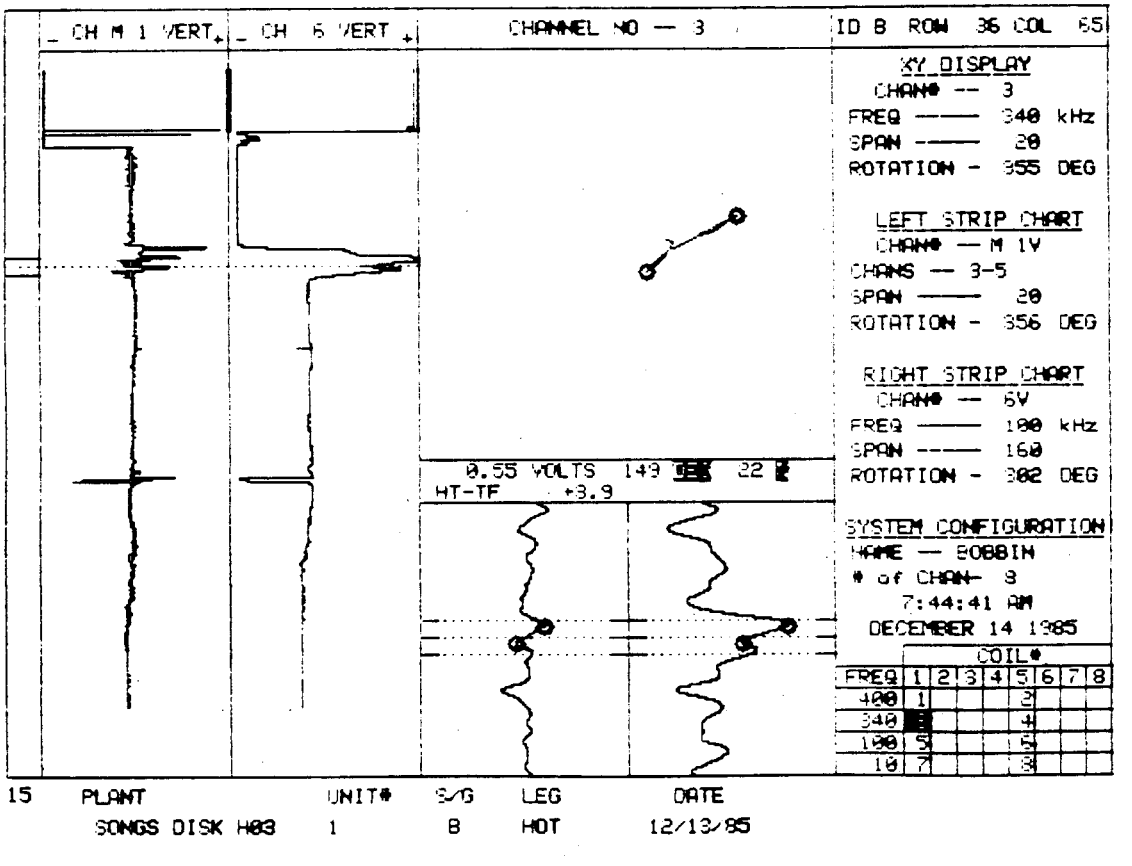

_ CH 5 VERT +
_ CH 4 VERT +
CHANNEL NO -- 3
ID 10 ROW 35 COL 68
CHANNEL 1 DIFF
FREQ ----- 400 kHz
SPAN ----- 770
ROTATION - 0 DEG
CHANNEL 2 DIFF
FREQ ----- 100 kHz
SPAN ----- 1024
ROTATION - 0 DEG
CHANNEL 3 DIFF
FREQ ----- 340 kHz
SPAN ----- 500
ROTATION - 0 DEG
CHANNEL 4 ABS
FREQ ----- 100 kHz
SPAN ----- 664
ROTATION - 0 DEG
MIX 1 (5) <--
CHANNELS 12
SPAN ----- 1014
ROTATION - 353 DEG
MIX 2 (6) <--
CHANNELS 13
SPAN ----- 1024
ROTATION - 0 DEG
2.00 VOLTS 147 DEG 26 %
TSH +1.8
20 PLANT
SCE SONGS
UNIT#
1
S/G
B
LEG
INLET
DATE
1980
ZETEC Inc. - 1983
Edition 12.0 Rev 1

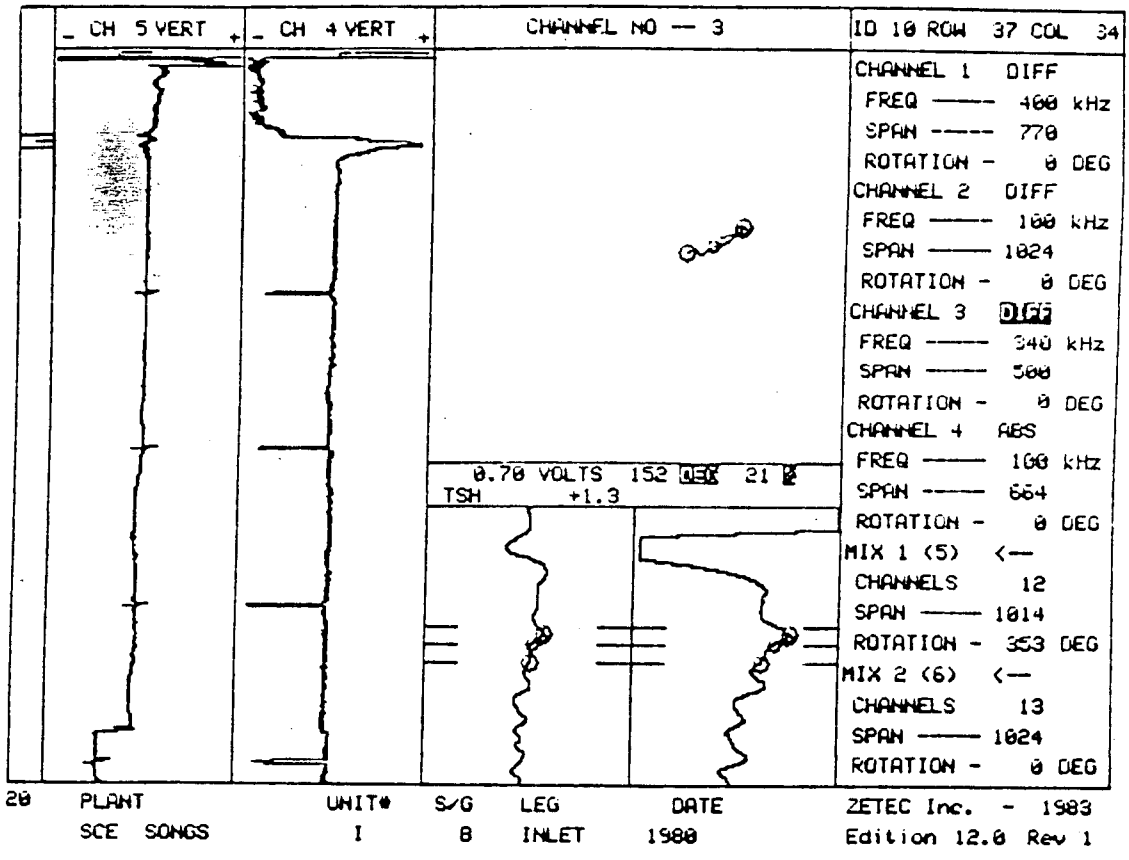

_ CH M 1 VERT
_ CH 6 VERT
CHANNEL NO — 3
ID B ROW 35 COL 68
XY DISPLAY
CHAN# -- 3
FREQ —— 340 kHz
SPAN —— 20
ROTATION - 355 DEG
LEFT STRIP CHART
CHAN# — M 1V
CHANS — 3-5
SPAN —— 20
ROTATION - 356 DEG
RIGHT STRIP CHART
CHAN# -- 6V
FREQ —— 100 kHz
SPAN —— 160
ROTATION - 382 DEG
0.77 VOLTS 157 15
HT-TF +3.9
SYSTEM CONFIGURATION
NAME — BOBBIN
# of CHAN- 8
7:34:26 AM
DECEMBER 14 1985
COIL#
FREQ 1 2 3 4 5 6 7 8
400 1 2
340 3 4
100 5 6
10 7 8
15 PLANT UNIT# S/G LEG DATE
SONGS DISK H03 1 B HOT 12/13/85

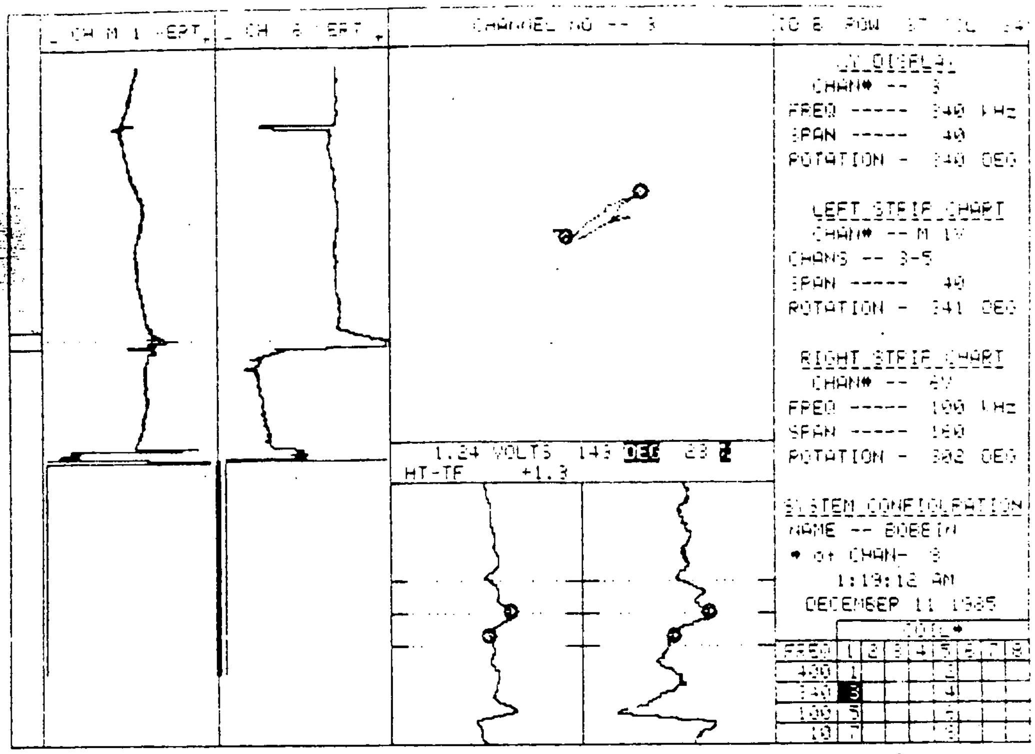

_ CH M 1 VERT
_ CH 6 VERT
CHANNEL NO — 3
ID B ROW 35 COL 68
XY DISPLAY
CHAN# -- 3
FREQ —— 340 kHz
SPAN —— 20
ROTATION - 355 DEG
LEFT STRIP CHART
CHAN# — M 1V
CHANS — 3-5
SPAN —— 20
ROTATION - 356 DEG
RIGHT STRIP CHART
CHAN# — 6V
FREQ —— 100 kHz
SPAN —— 160
ROTATION - 382 DEG
1.39 VOLTS 150 21
HT-TF +1.8
SYSTEM CONFIGURATION
NAME — BOBBIN
# of CHAN- 8
7:34:26 AM
DECEMBER 14 1985
COIL#
FREQ 1 2 3 4 5 6 7 8
400 1 2
340 3 4
100 5 6
10 7 8
15 PLANT UNIT# S/G LEG DATE
SONGS DISK H03 1 B HOT 12/13/85


- CH 5 VERT +
- CH 4 VERT +
CHANNEL NO — 3
ID 10 ROW 36 COL 65
CHANNEL 1 DIFF
FREQ ----- 400 kHz
SPAN ----- 770
ROTATION - 0 DEG
CHANNEL 2 DIFF
FREQ ----- 100 kHz
SPAN ----- 1024
ROTATION - 0 DEG
CHANNEL 3 DIFF
FREQ ----- 340 kHz
SPAN ----- 130
ROTATION - 0 DEG
CHANNEL 4 ABS
FREQ ----- 100 kHz
SPAN ----- 664
ROTATION - 0 DEG
MIX 1 (5) <—
CHANNELS 12
SPAN ----- 1014
ROTATION - 353 DEG
MIX 2 (6) <—
CHANNELS 13
SPAN ----- 1024
ROTATION - 0 DEG
0.23 VOLTS 138 DEG 34 %
TSH +3.9
20 PLANT UNIT# S/G LEG DATE
SCE SONGS I B INLET 1980
ZETEC Inc. - 1983
Edition 12.0 Rev 1

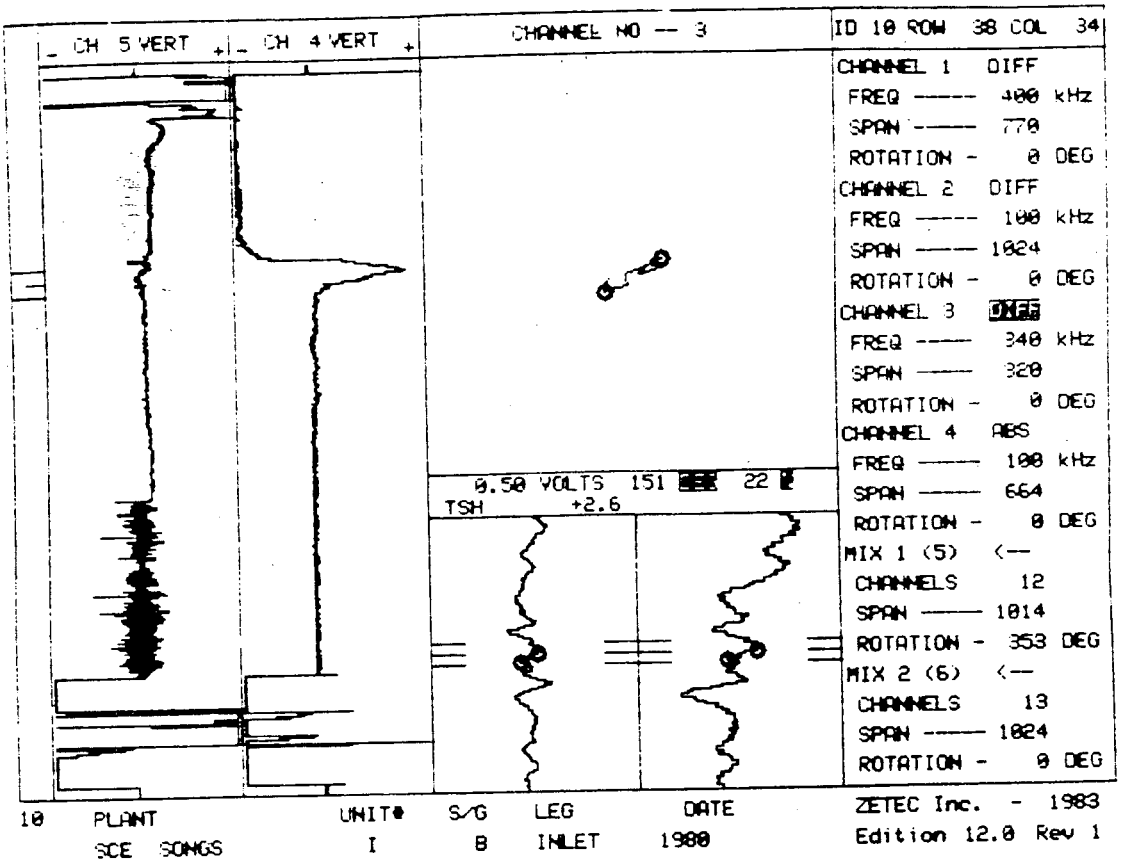

_ CH M 1 VERT +
_ CH 6 VERT +
CHANNEL NO — 3
ID B ROW 36 COL 65
XY DISPLAY
CHAN# — 3
FREQ ——— 340 kHz
SPAN ——— 20
ROTATION - 355 DEG
LEFT STRIP CHART
CHAN# — M 1V
CHANS — 3-5
SPAN ——— 20
ROTATION - 356 DEG
RIGHT STRIP CHART
CHAN# — 6V
FREQ ——— 100 kHz
SPAN ——— 160
ROTATION - 302 DEG
SYSTEM CONFIGURATION
NAME — BOBBIN
# of CHAN- 8
7:44:41 AM
DECEMBER 14 1985
0.39 VOLTS 160 DEG 12
HT-TF +4.3
COIL#
FREQ 1 2 3 4 5 6 7 8
400 1 3
340 2 4
100 5 6
10 7 8
15 PLANT UNIT# S/G LEG DATE
SONGS DISK H03 1 B HOT 12/13/85

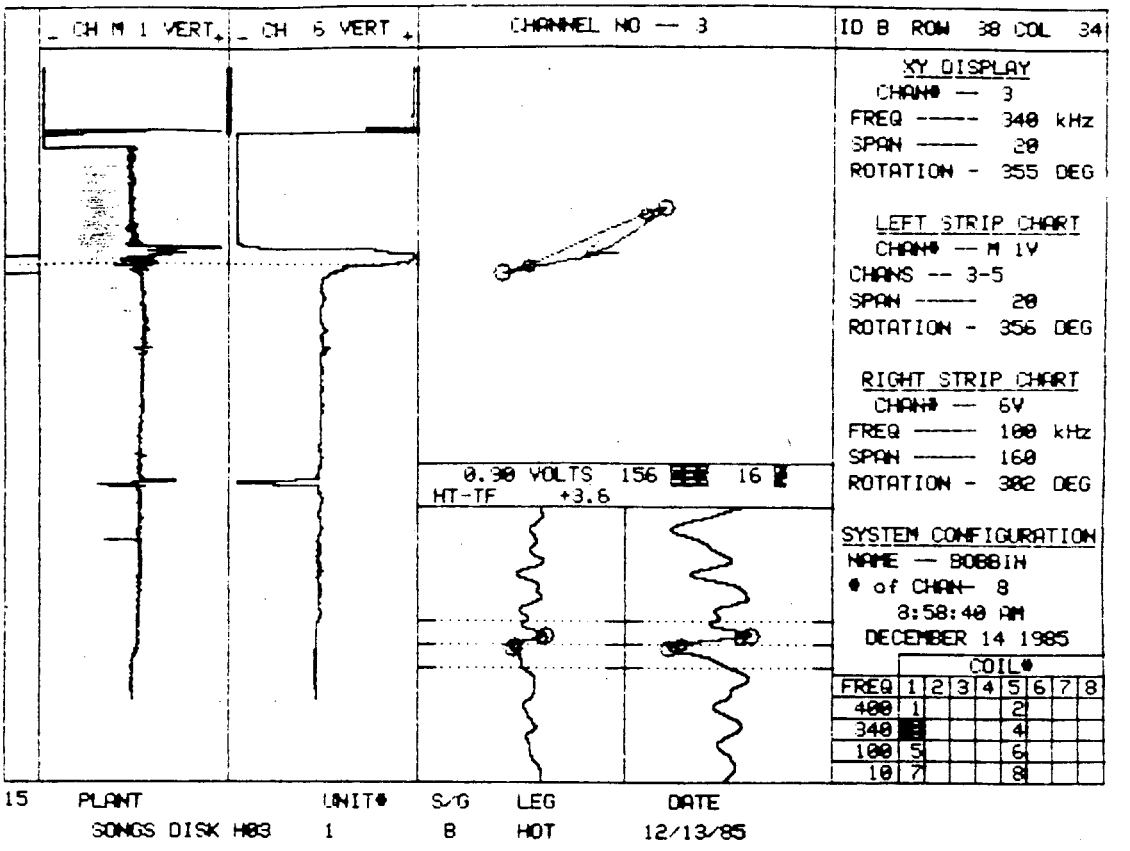

_ CH M 1 VERT +
_ CH 6 VERT +
CHANNEL NO — 3
ID B ROW 36 COL 65
XY DISPLAY
CHAN# — 3
FREQ ——— 340 kHz
SPAN ——— 20
ROTATION - 355 DEG
LEFT STRIP CHART
CHAN# — M 1V
CHANS — 3-5
SPAN ——— 20
ROTATION - 356 DEG
RIGHT STRIP CHART
CHAN# — 6V
FREQ ——— 100 kHz
SPAN ——— 160
ROTATION - 302 DEG
SYSTEM CONFIGURATION
NAME — BOBBIN
# of CHAN- 8
7:44:41 AM
DECEMBER 14 1985
0.55 VOLTS 149 DEG 22
HT-TF +3.9
COIL#
FREQ 1 2 3 4 5 6 7 8
400 1 3
340 2 4
100 5 6
10 7 8
15 PLANT UNIT# S/G LEG DATE
SONGS DISK H03 1 B HOT 12/13/85

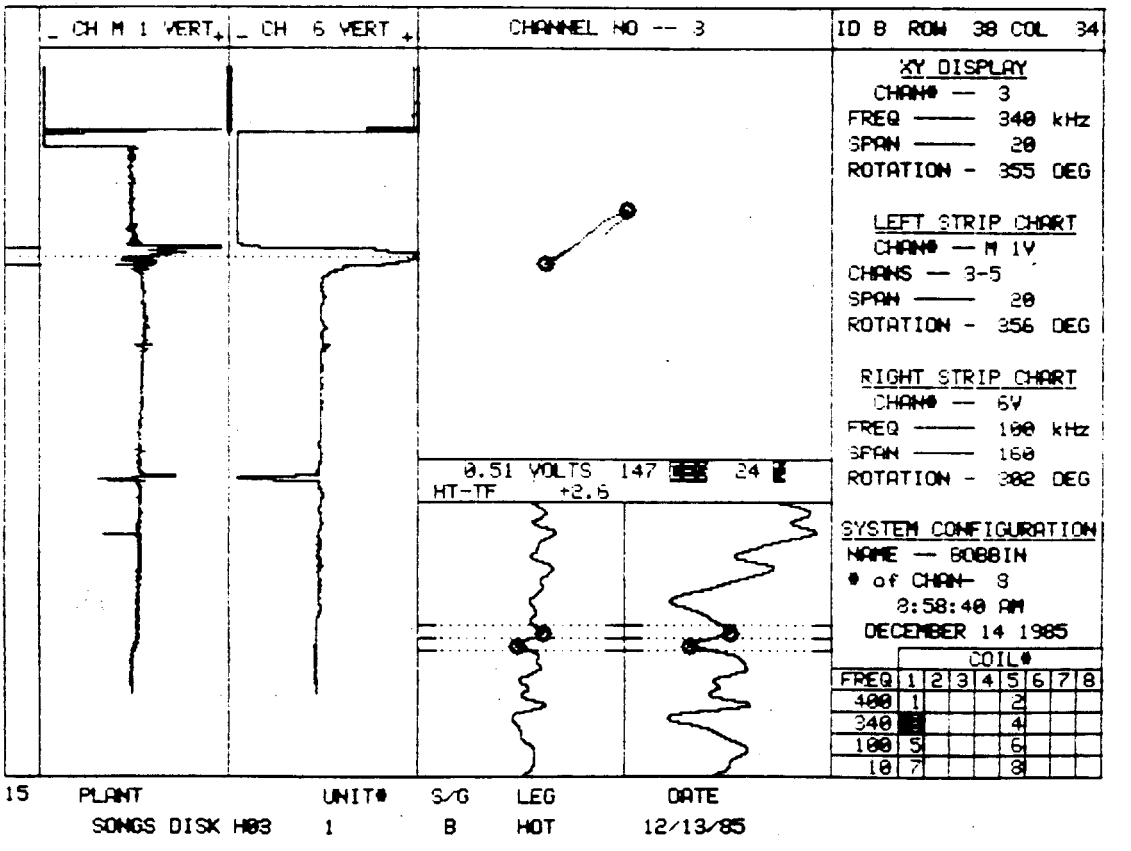

_ CH 5 VERT +
_ CH 4 VERT +
CHANNEL NO — 3
ID 10 ROW 37 COL 34
CHANNEL 1 DIFF
FREQ ——— 400 kHz
SPAN ——— 770
ROTATION - 0 DEG
CHANNEL 2 DIFF
FREQ ——— 100 kHz
SPAN ——— 1024
ROTATION - 0 DEG
CHANNEL 3 DIFF
FREQ ——— 340 kHz
SPAN ——— 500
ROTATION - 0 DEG
CHANNEL 4 ABS
FREQ ——— 100 kHz
SPAN ——— 664
ROTATION - 0 DEG
MIX 1 (5) <—
CHANNELS 12
SPAN ——— 1014
ROTATION - 353 DEG
MIX 2 (6) <—
CHANNELS 13
SPAN ——— 1024
ROTATION - 0 DEG
0.70 VOLTS 152 DEG 21
TSH +1.3
20 PLANT SCE SONGS
UNIT# I
S/G B
LEG INLET
DATE 1980
ZETEC Inc. - 1983
Edition 12.0 Rev 1

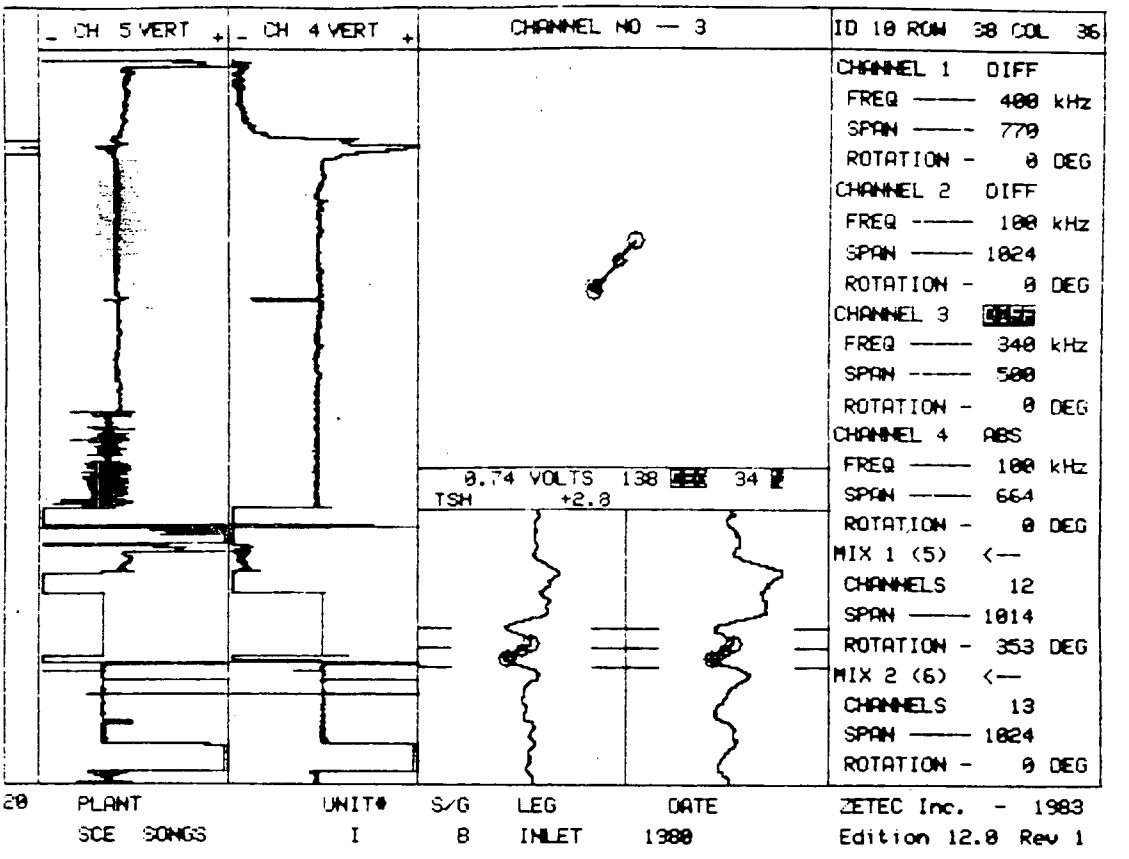


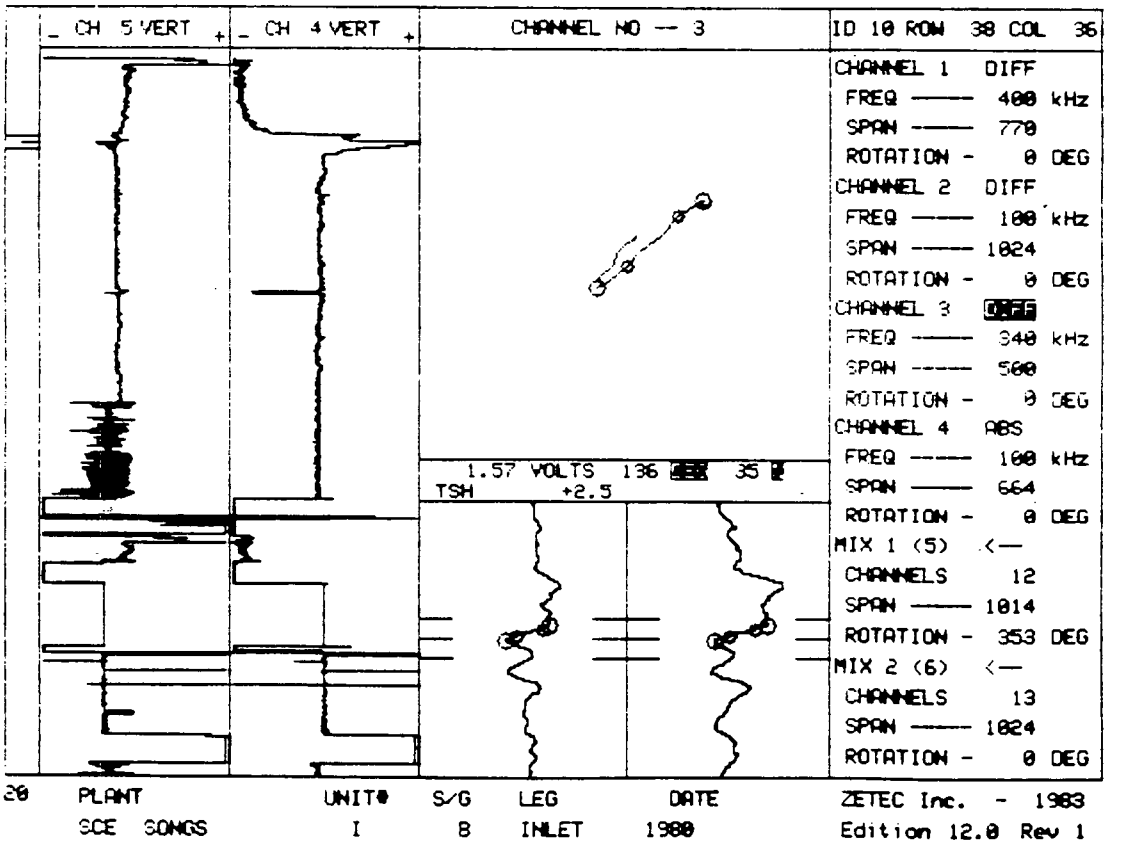
15 PLANT SONGS REEL 003 UNIT# 1 S.G B LEG OUTLET DATE 12/11/85

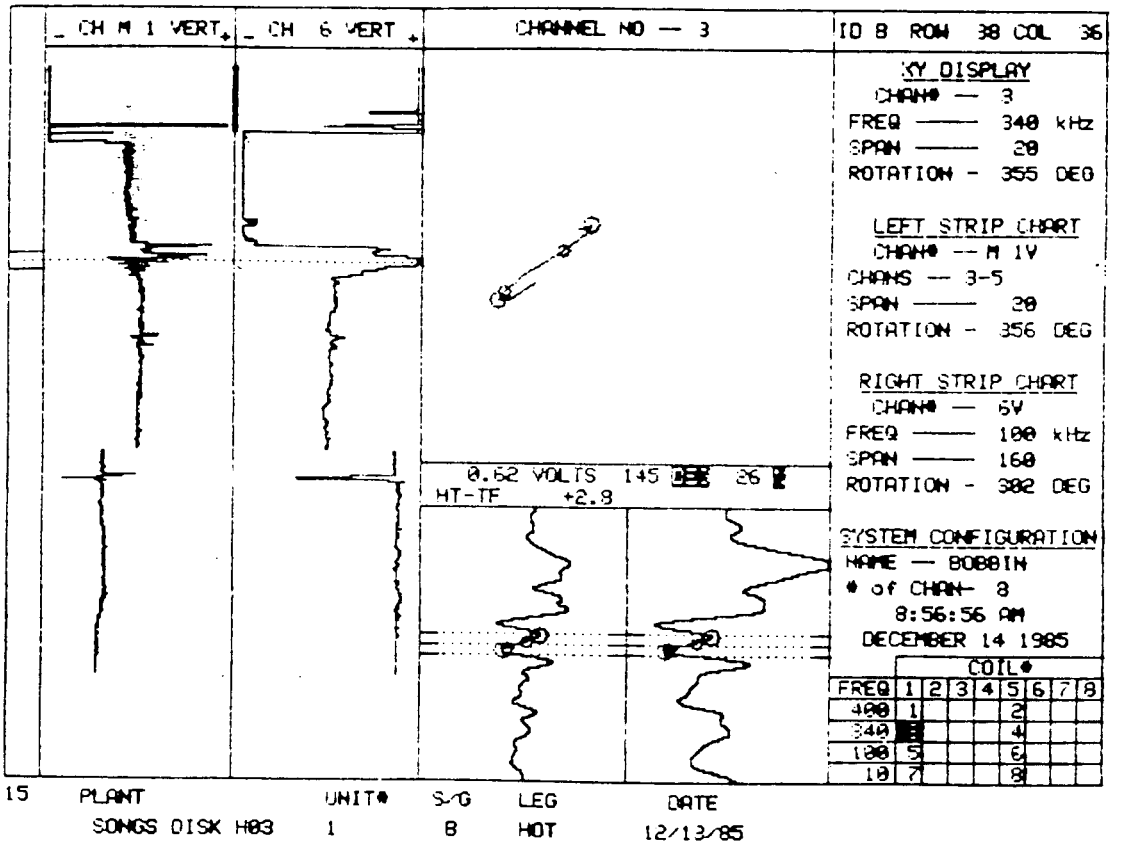

CH 5 VERT
CH 4 VERT
CHANNEL NO — 3
ID 10 ROW 38 COL 34
CHANNEL 1 DIFF
FREQ ----- 400 kHz
SPAN ----- 770
ROTATION - 0 DEG
CHANNEL 2 DIFF
FREQ ----- 100 kHz
SPAN ----- 1024
ROTATION - 0 DEG
CHANNEL 3 ABS
FREQ ----- 340 kHz
SPAN ----- 320
ROTATION - 0 DEG
CHANNEL 4 ABS
FREQ ----- 100 kHz
SPAN ----- 664
ROTATION - 0 DEG
MIX 1 (5) <—
CHANNELS 12
SPAN ----- 1014
ROTATION - 353 DEG
MIX 2 (6) <—
CHANNELS 13
SPAN ----- 1024
ROTATION - 0 DEG
0.50 VOLTS 151 22
TSH +2.6
10 PLANT SCE SONGS
UNIT# I
S/G B
LEG INLET
DATE 1980
ZETEC Inc. - 1983
Edition 12.0 Rev 1

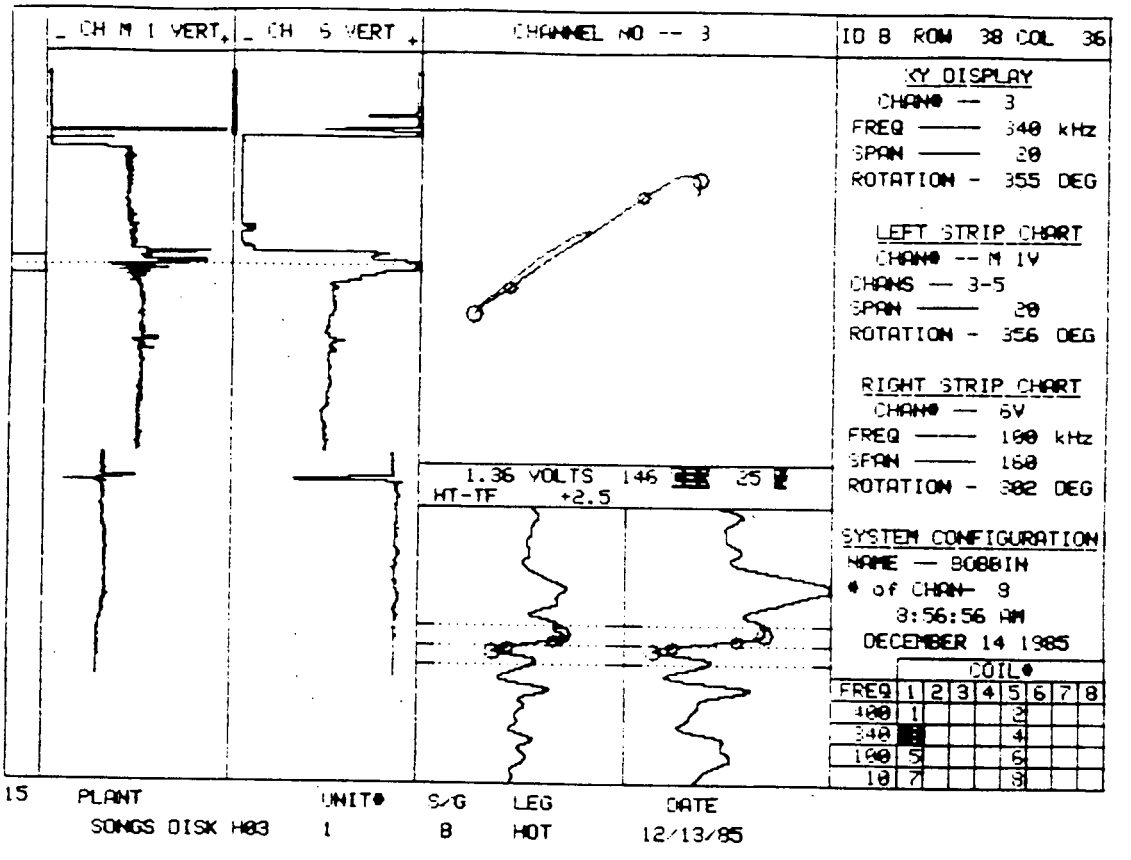

_ CH M 1 VERT +
_ CH 6 VERT +
CHANNEL NO — 3
ID B ROW 38 COL 34
XY DISPLAY
CHAN# — 3
FREQ ----- 340 kHz
SPAN ——— 20
ROTATION - 355 DEG
LEFT STRIP CHART
CHAN# — M 1V
CHANS -- 3-5
SPAN ——— 20
ROTATION - 356 DEG
RIGHT STRIP CHART
CHAN# — 6V
FREQ ——— 100 kHz
SPAN ——— 160
ROTATION - 382 DEG
SYSTEM CONFIGURATION
NAME — BOBBIN
# of CHAN- 8
8:58:40 AM
DECEMBER 14 1985
0.90 VOLTS 156 16
HT-TF +3.6
COIL#
FREQ 1 2 3 4 5 6 7 8
400 1 2
340 3 4
100 5 6
10 7 8
15 PLANT UNIT# S/G LEG DATE
SONGS DISK H83 1 B HOT 12/13/85

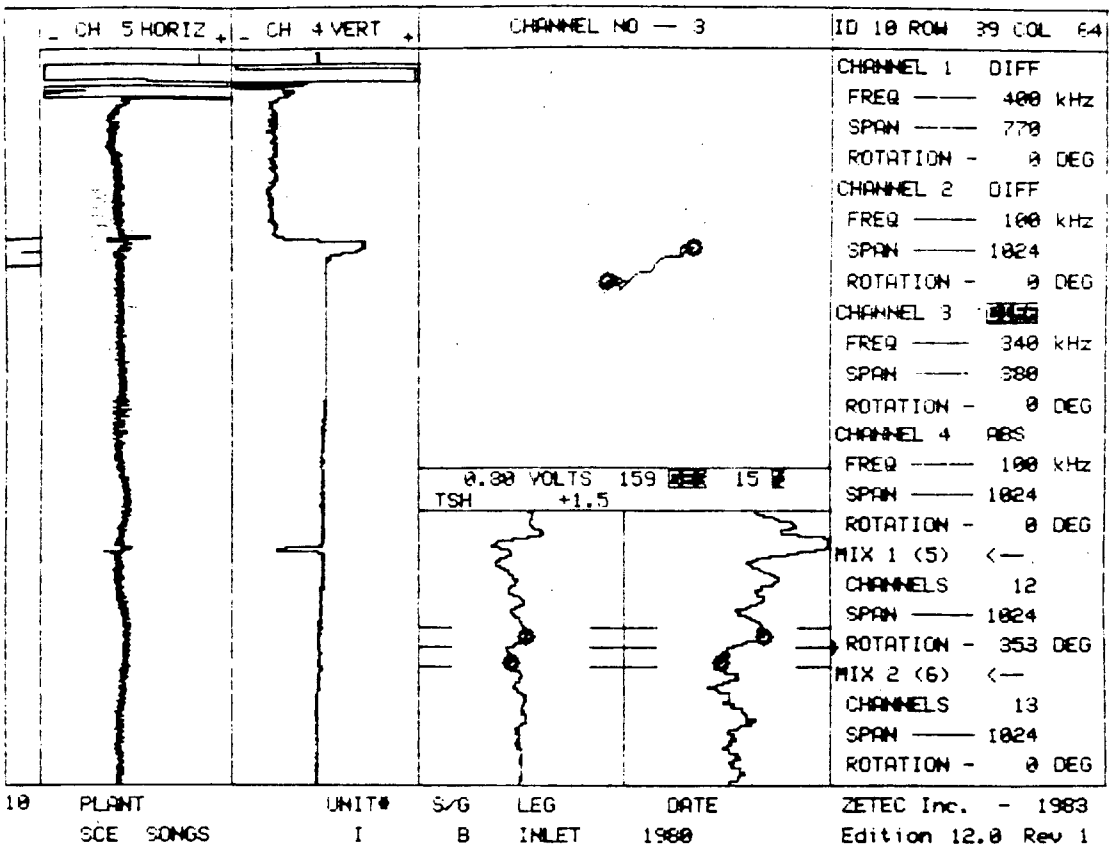

_ CH M 1 VERT +
_ CH 6 VERT +
CHANNEL NO -- 3
ID B ROW 38 COL 34
XY DISPLAY
CHAN# — 3
FREQ ——— 340 kHz
SPAN ——— 20
ROTATION - 355 DEG
LEFT STRIP CHART
CHAN# — M 1V
CHANS — 3-5
SPAN ——— 20
ROTATION - 356 DEG
RIGHT STRIP CHART
CHAN# — 6V
FREQ ——— 100 kHz
SPAN ——— 160
ROTATION - 382 DEG
SYSTEM CONFIGURATION
NAME — BOBBIN
# of CHAN- 8
8:58:40 AM
DECEMBER 14 1985
0.51 VOLTS 147 24
HT-TF +2.6
COIL#
FREQ 1 2 3 4 5 6 7 8
400 1 2
340 3 4
100 5 6
10 7 8
15 PLANT UNIT# S/G LEG DATE
SONGS DISK H83 1 B HOT 12/13/85

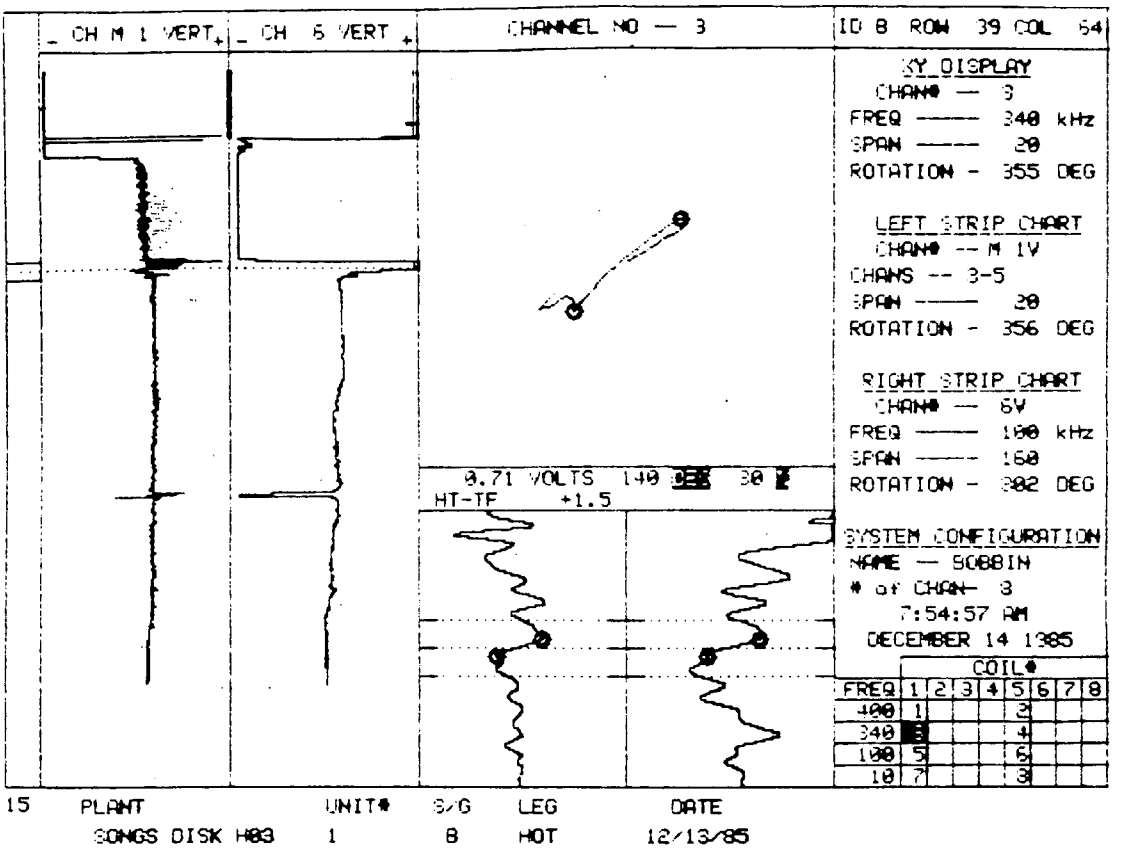

CH 5 VERT
CH 4 VERT
CHANNEL NO — 3
ID 10 ROW 38 COL 36
CHANNEL 1 DIFF
FREQ —— 400 kHz
SPAN —— 770
ROTATION - 0 DEG
CHANNEL 2 DIFF
FREQ —— 100 kHz
SPAN —— 1024
ROTATION - 0 DEG
CHANNEL 3
FREQ —— 340 kHz
SPAN —— 500
ROTATION - 0 DEG
CHANNEL 4 ABS
FREQ —— 100 kHz
SPAN —— 664
ROTATION - 0 DEG
MIX 1 (5) <—
CHANNELS 12
SPAN —— 1014
ROTATION - 353 DEG
MIX 2 (6) <—
CHANNELS 13
SPAN —— 1024
ROTATION - 0 DEG
0.74 VOLTS 138 34
TSH +2.8
20 PLANT SCE SONGS
UNIT# I
S/G B
LEG INLET
DATE 1988
ZETEC Inc. - 1983
Edition 12.0 Rev 1

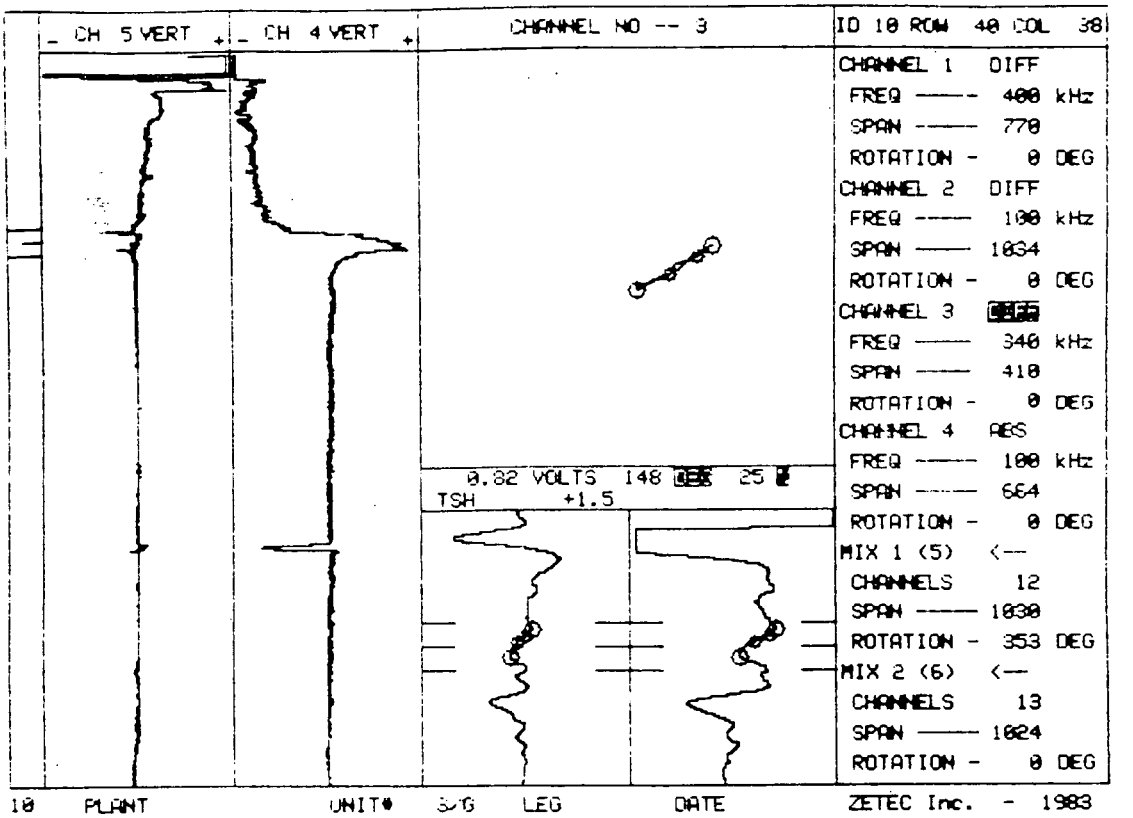

CH 5 VERT
CH 4 VERT
CHANNEL NO — 3
ID 10 ROW 38 COL 36
CHANNEL 1 DIFF
FREQ —— 400 kHz
SPAN —— 770
ROTATION - 0 DEG
CHANNEL 2 DIFF
FREQ —— 100 kHz
SPAN —— 1024
ROTATION - 0 DEG
CHANNEL 3
FREQ —— 340 kHz
SPAN —— 500
ROTATION - 0 DEG
CHANNEL 4 ABS
FREQ —— 100 kHz
SPAN —— 664
ROTATION - 0 DEG
MIX 1 (5) <—
CHANNELS 12
SPAN —— 1014
ROTATION - 353 DEG
MIX 2 (6) <—
CHANNELS 13
SPAN —— 1024
ROTATION - 0 DEG
1.57 VOLTS 136 35
TSH +2.5
20 PLANT SCE SONGS
UNIT# I
S/G B
LEG INLET
DATE 1988
ZETEC Inc. - 1983
Edition 12.0 Rev 1

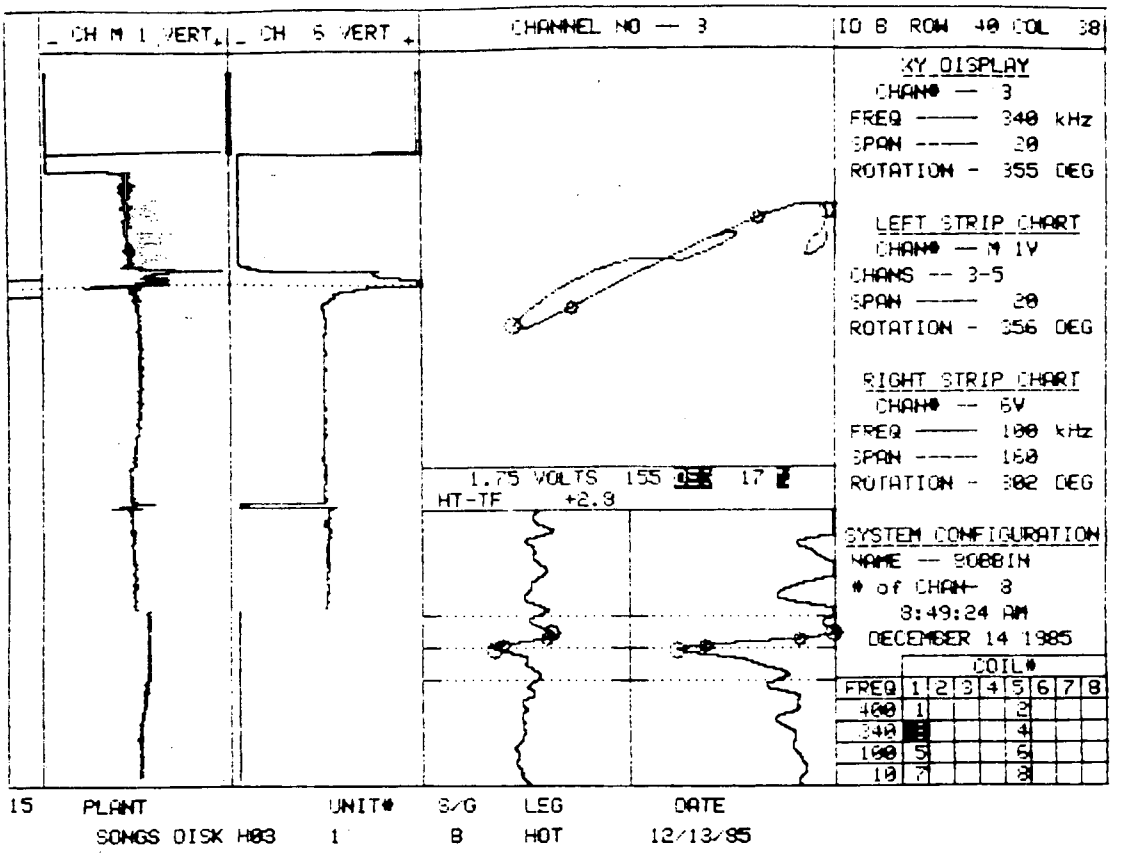

_ CH M 1 VERT +
_ CH 6 VERT +
CHANNEL NO — 3
ID 8 ROW 38 COL 36
XY DISPLAY
CHAN# — 3
FREQ —— 340 kHz
SPAN —— 20
ROTATION - 355 DEG
LEFT STRIP CHART
CHAN# -- M 1V
CHANS — 3-5
SPAN —— 20
ROTATION - 356 DEG
RIGHT STRIP CHART
CHAN# — 6V
FREQ —— 100 kHz
SPAN —— 160
ROTATION - 382 DEG
SYSTEM CONFIGURATION
NAME — BOBBIN
# of CHAN- 8
8:56:56 AM
DECEMBER 14 1985
0.62 VOLTS 145 26
HT-TF +2.8
COIL#
FREQ 1 2 3 4 5 6 7 8
400 1 2
340 3 4
100 5 6
10 7 8
15 PLANT UNIT# S/G LEG DATE
SONGS DISK H03 1 B HOT 12/13/85

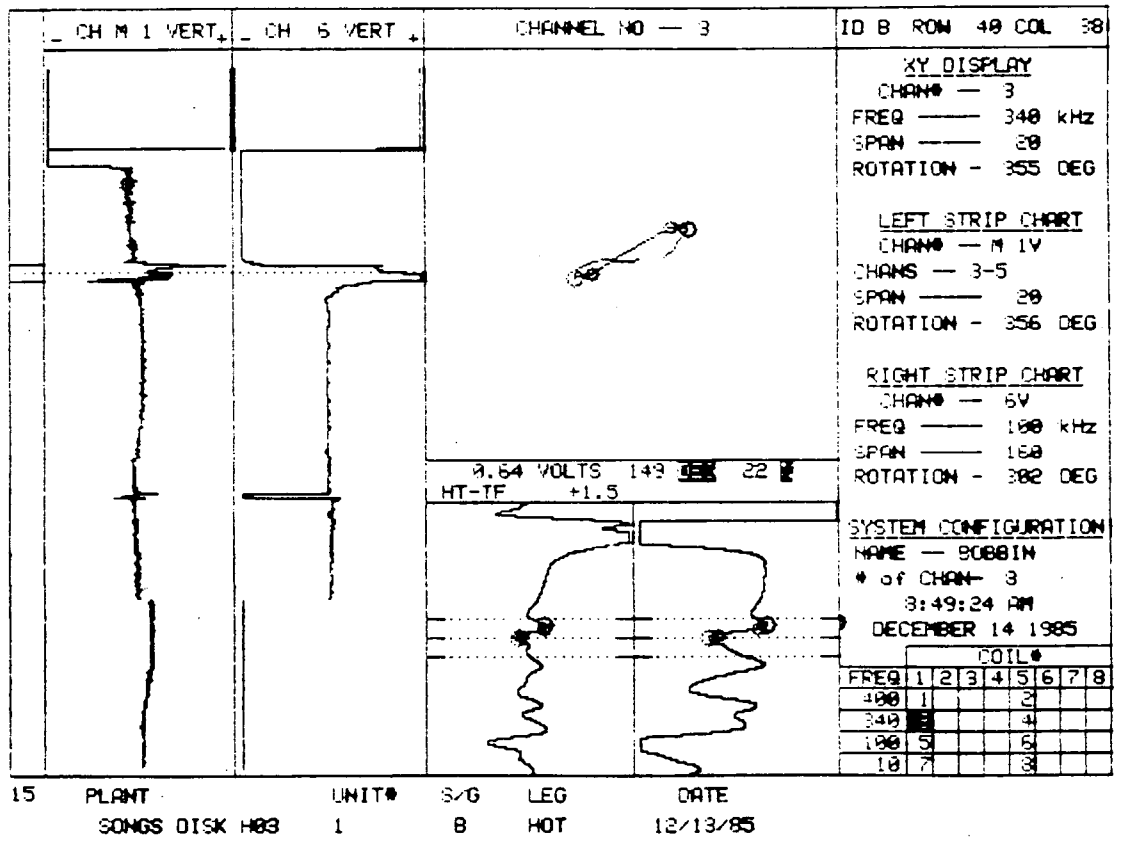

_ CH M 1 VERT +
_ CH 6 VERT +
CHANNEL NO -- 3
ID 8 ROW 38 COL 36
XY DISPLAY
CHAN# — 3
FREQ —— 340 kHz
SPAN —— 20
ROTATION - 355 DEG
LEFT STRIP CHART
CHAN# -- M 1V
CHANS — 3-5
SPAN —— 20
ROTATION - 356 DEG
RIGHT STRIP CHART
CHAN# — 6V
FREQ —— 100 kHz
SPAN —— 160
ROTATION - 382 DEG
SYSTEM CONFIGURATION
NAME — BOBBIN
# of CHAN- 8
8:56:56 AM
DECEMBER 14 1985
1.36 VOLTS 146 25
HT-TF +2.5
COIL#
FREQ 1 2 3 4 5 6 7 8
400 1 2
340 3 4
100 5 6
10 7 8
15 PLANT UNIT# S/G LEG DATE
SONGS DISK H03 1 B HOT 12/13/85

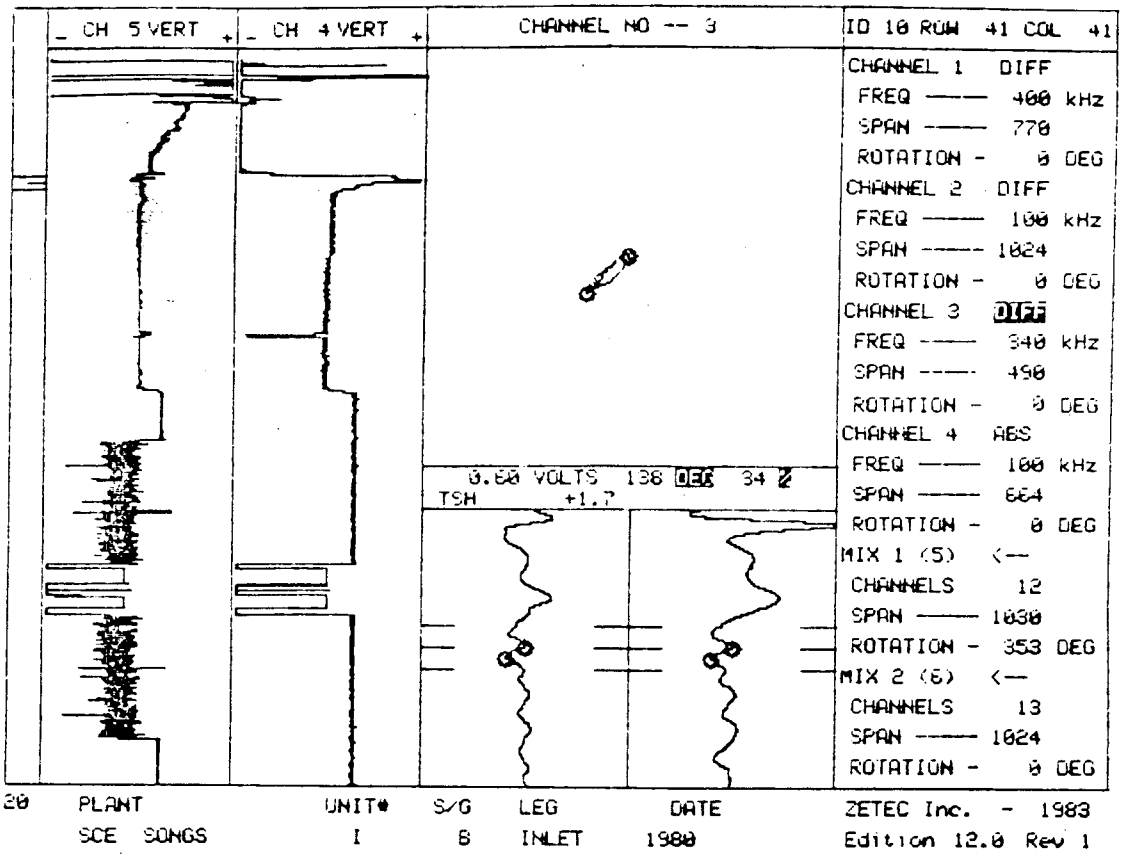

CH 5 HORIZ
CH 4 VERT
CHANNEL NO — 3
ID 10 ROW 39 COL 64
CHANNEL 1 DIFF
FREQ —— 400 kHz
SPAN —— 770
ROTATION - 0 DEG
CHANNEL 2 DIFF
FREQ —— 100 kHz
SPAN —— 1024
ROTATION - 0 DEG
CHANNEL 3
FREQ —— 340 kHz
SPAN —— 380
ROTATION - 0 DEG
CHANNEL 4 ABS
FREQ —— 100 kHz
SPAN —— 1024
ROTATION - 0 DEG
0.80 VOLTS 159
TSH +1.5
15
MIX 1 (5) <—
CHANNELS 12
SPAN —— 1024
ROTATION - 353 DEG
MIX 2 (6) <—
CHANNELS 13
SPAN —— 1024
ROTATION - 0 DEG
10 PLANT SCE SONGS
UNIT# I
S/G B
LEG INLET
DATE 1980
ZETEC Inc. - 1983
Edition 12.0 Rev 1

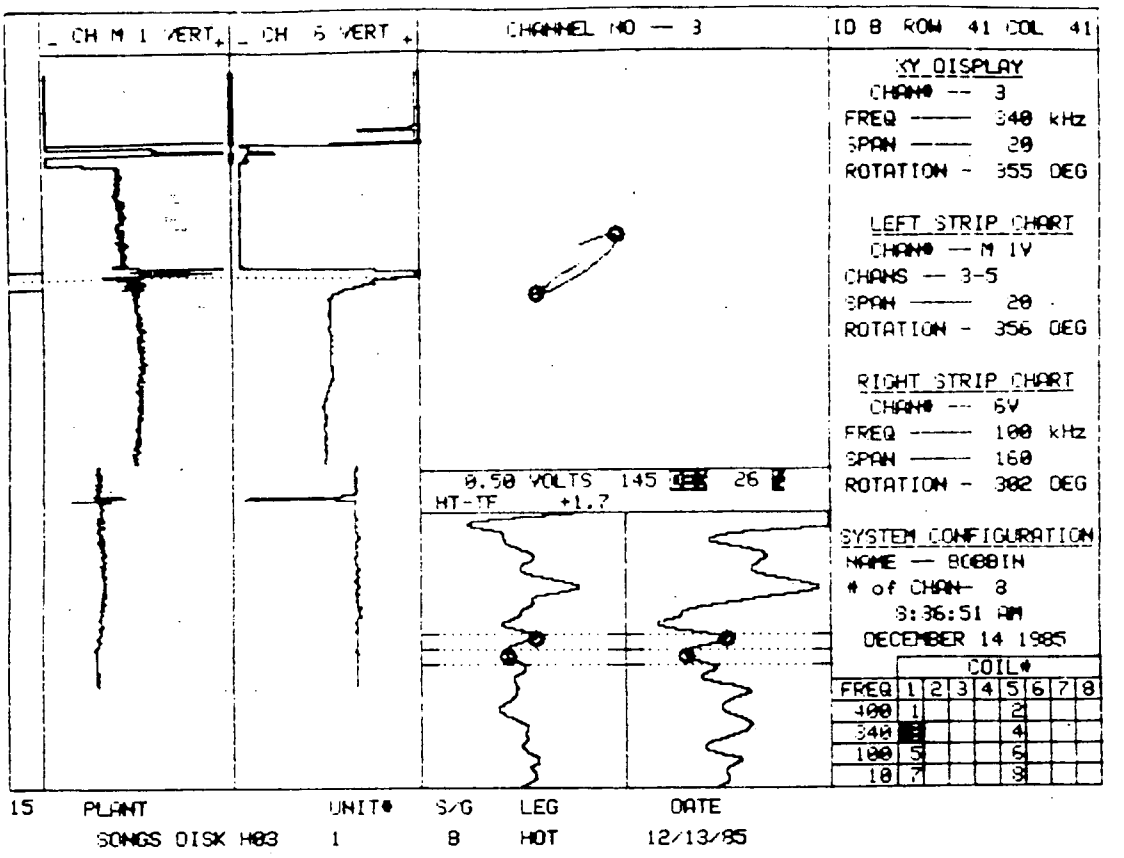

_ CH M 1 VERT +
_ CH 6 VERT +
CHANNEL NO — 3
ID 8 ROW 39 COL 64
SY DISPLAY
CHAN# — 3
FREQ ——— 340 kHz
SPAN ——— 20
ROTATION - 355 DEG
LEFT STRIP CHART
CHAN# -- M 1V
CHANS -- 3-5
SPAN ——— 20
ROTATION - 356 DEG
RIGHT STRIP CHART
CHAN# — 6V
FREQ ——— 100 kHz
SPAN ——— 160
ROTATION - 382 DEG
SYSTEM CONFIGURATION
NAME — 9088IN
# of CHAN— 8
7:54:57 AM
DECEMBER 14 1985
0.71 VOLTS 140 30
HT-TF +1.5
COIL#
FREQ 1 2 3 4 5 6 7 8
400 1 2
340 3 4
100 5 6
10 7 8
15 PLANT UNIT# S/G LEG DATE
SONGS DISK H03 1 8 HOT 12/13/85

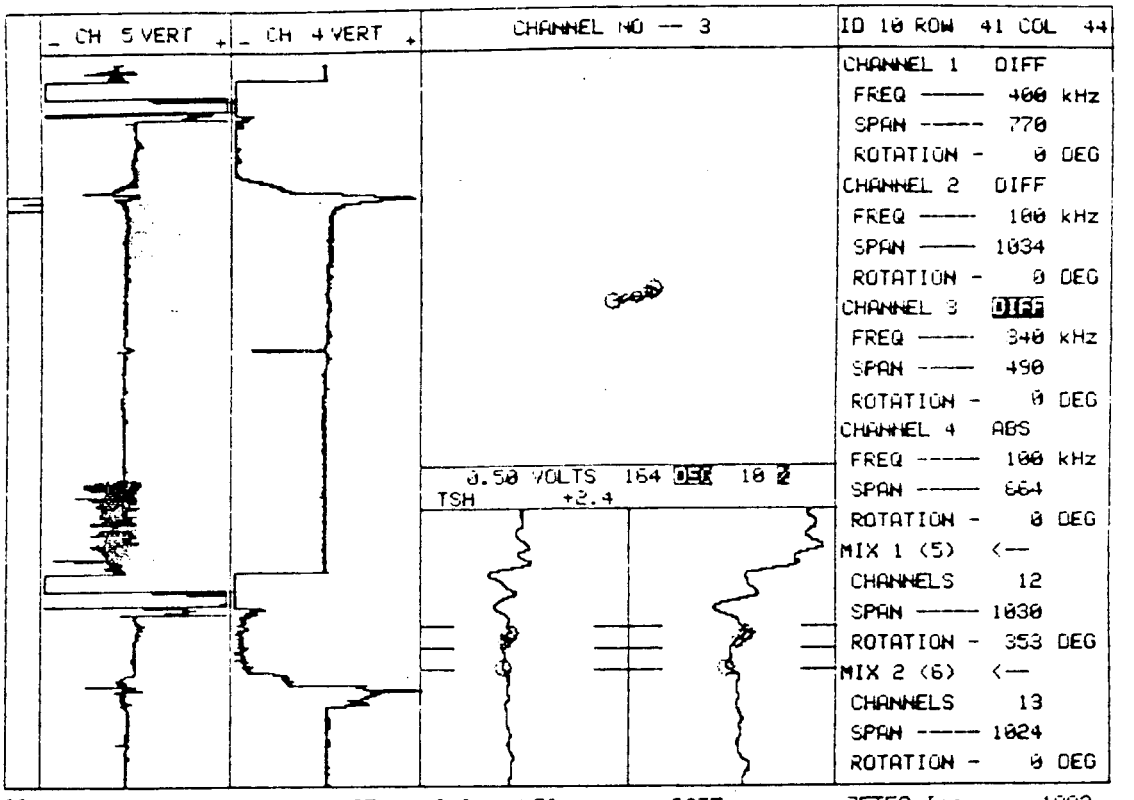

_ CH 5 VERT +
_ CH 4 VERT +
CHANNEL NO -- 3
ID 10 ROW 40 COL 38
CHANNEL 1 DIFF
FREQ ——— 400 kHz
SPAN ——— 770
ROTATION - 0 DEG
CHANNEL 2 DIFF
FREQ ——— 100 kHz
SPAN ——— 1034
ROTATION - 0 DEG
CHANNEL 3
FREQ ——— 340 kHz
SPAN ——— 410
ROTATION - 0 DEG
CHANNEL 4 ABS
FREQ ——— 100 kHz
SPAN ——— 664
ROTATION - 0 DEG
MIX 1 (5) <—
CHANNELS 12
SPAN ——— 1030
ROTATION - 353 DEG
MIX 2 (6) <—
CHANNELS 13
SPAN ——— 1024
ROTATION - 0 DEG
0.82 VOLTS 148 25
TSH +1.5
10 PLANT SCE SONGS
UNIT# I
S/G B
LEG INLET
DATE 1980
ZETEC Inc. - 1983
Edition 12.0 Rev 1

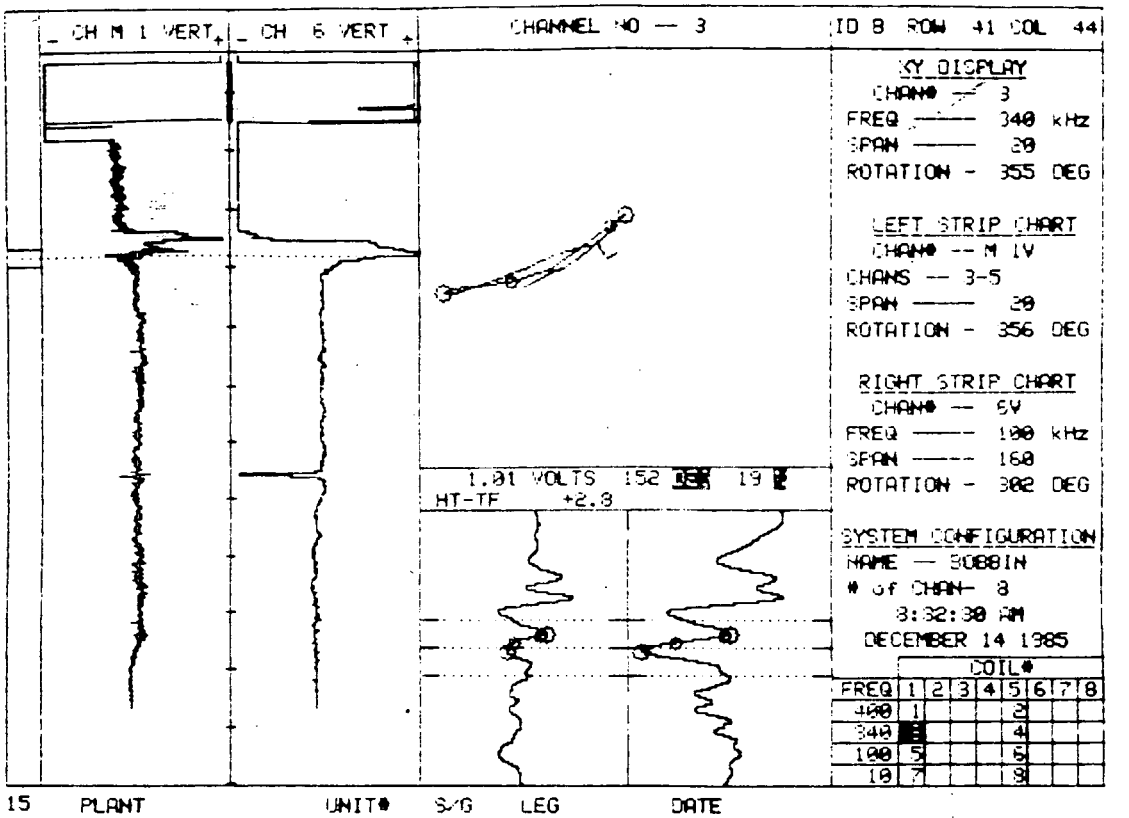

_ CH M 1 VERT +
_ CH 5 VERT +
CHANNEL NO — 3
ID B ROW 40 COL 38
XY DISPLAY
CHAN# — 3
FREQ —— 340 kHz
SPAN —— 20
ROTATION - 355 DEG
LEFT STRIP CHART
CHAN# — M 1V
CHANS — 3-5
SPAN —— 20
ROTATION - 356 DEG
RIGHT STRIP CHART
CHAN# — 6V
FREQ —— 100 kHz
SPAN —— 160
ROTATION - 302 DEG
SYSTEM CONFIGURATION
NAME — 908BIN
# of CHAN— 8
8:49:24 AM
DECEMBER 14 1985
1.75 VOLTS 155 DEG 17
HT-TF +2.8
COIL#
FREQ 1 2 3 4 5 6 7 8
400 1 2
340 3 4
100 5 6
10 7 8
15 PLANT UNIT# S/G LEG DATE
SONGS DISK H03 1 B HOT 12/13/85

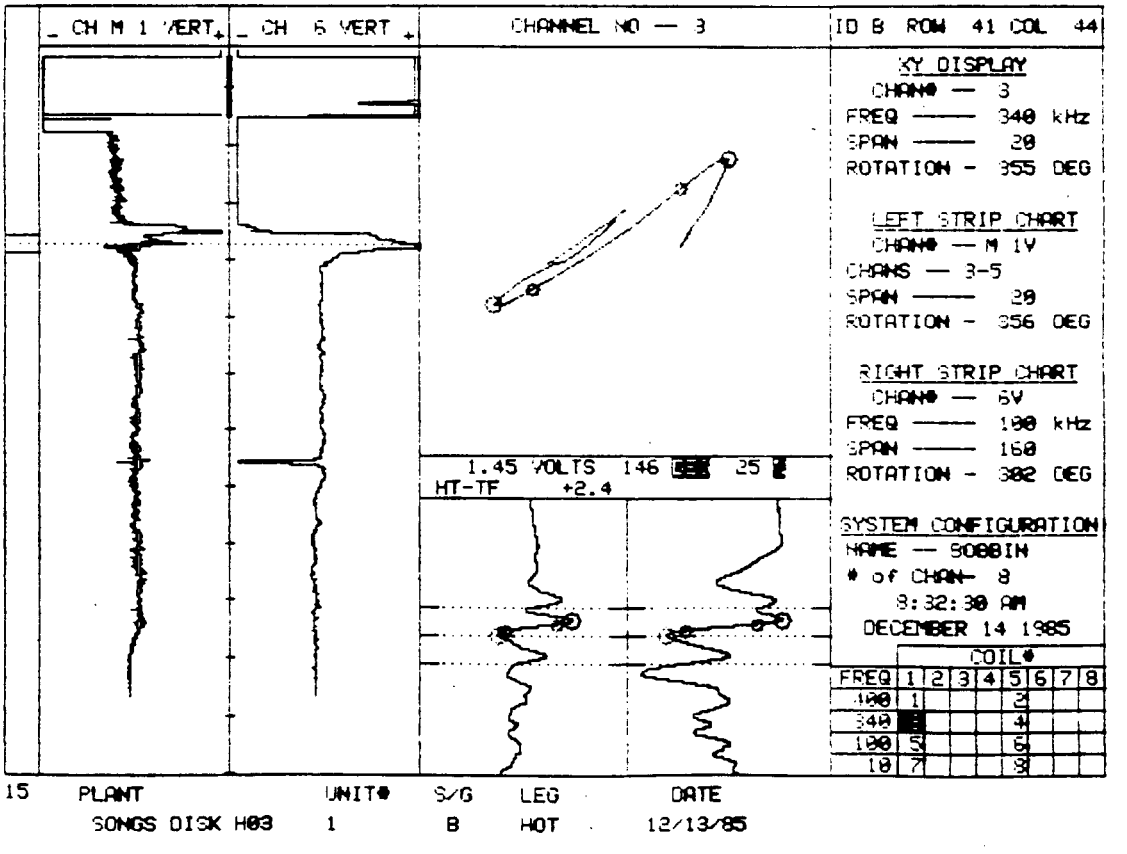

_ CH M 1 VERT +
_ CH 5 VERT +
CHANNEL NO — 3
ID B ROW 40 COL 38
XY DISPLAY
CHAN# — 3
FREQ —— 340 kHz
SPAN —— 20
ROTATION - 355 DEG
LEFT STRIP CHART
CHAN# — M 1V
CHANS — 3-5
SPAN —— 20
ROTATION - 356 DEG
RIGHT STRIP CHART
CHAN# — 6V
FREQ —— 100 kHz
SPAN —— 160
ROTATION - 302 DEG
SYSTEM CONFIGURATION
NAME — 908BIN
# of CHAN— 8
8:49:24 AM
DECEMBER 14 1985
0.64 VOLTS 149 DEG 22
HT-TF +1.5
COIL#
FREQ 1 2 3 4 5 6 7 8
400 1 2
340 3 4
100 5 6
10 7 8
15 PLANT UNIT# S/G LEG DATE
SONGS DISK H03 1 B HOT 12/13/85

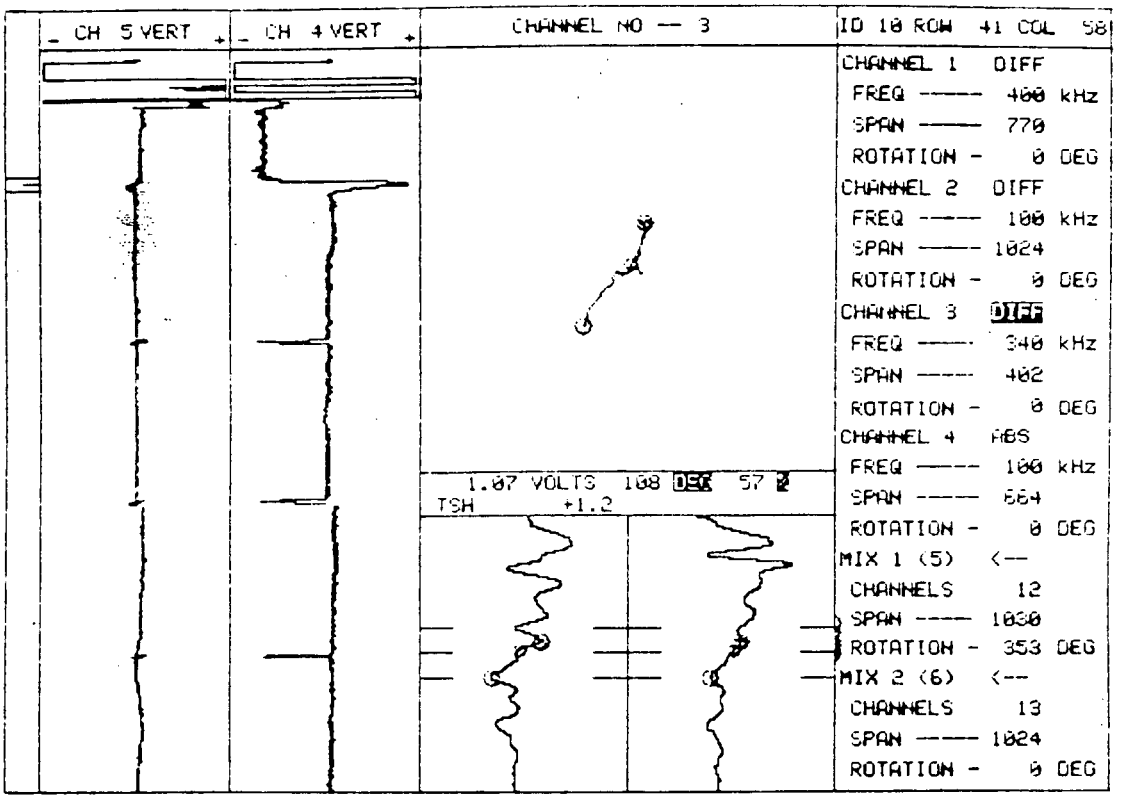

_ CH 5 VERT +
_ CH 4 VERT +
CHANNEL NO -- 3
ID 10 ROW 41 COL 41
CHANNEL 1 DIFF
FREQ ——— 400 kHz
SPAN ——— 770
ROTATION - 0 DEG
CHANNEL 2 DIFF
FREQ ——— 100 kHz
SPAN ——— 1024
ROTATION - 0 DEG
CHANNEL 3 DIFF
FREQ ——— 340 kHz
SPAN ——— 490
ROTATION - 0 DEG
CHANNEL 4 ABS
FREQ ——— 100 kHz
SPAN ——— 664
ROTATION - 0 DEG
MIX 1 (5) <—
CHANNELS 12
SPAN ——— 1030
ROTATION - 353 DEG
MIX 2 (6) <—
CHANNELS 13
SPAN ——— 1024
ROTATION - 0 DEG
0.60 VOLTS 138 DEG 34 %
TSH +1.7
20 PLANT SCE SONGS
UNIT# 1
S/G 8
LEG INLET
DATE 1980
ZETEC Inc. - 1983
Edition 12.0 Rev 1

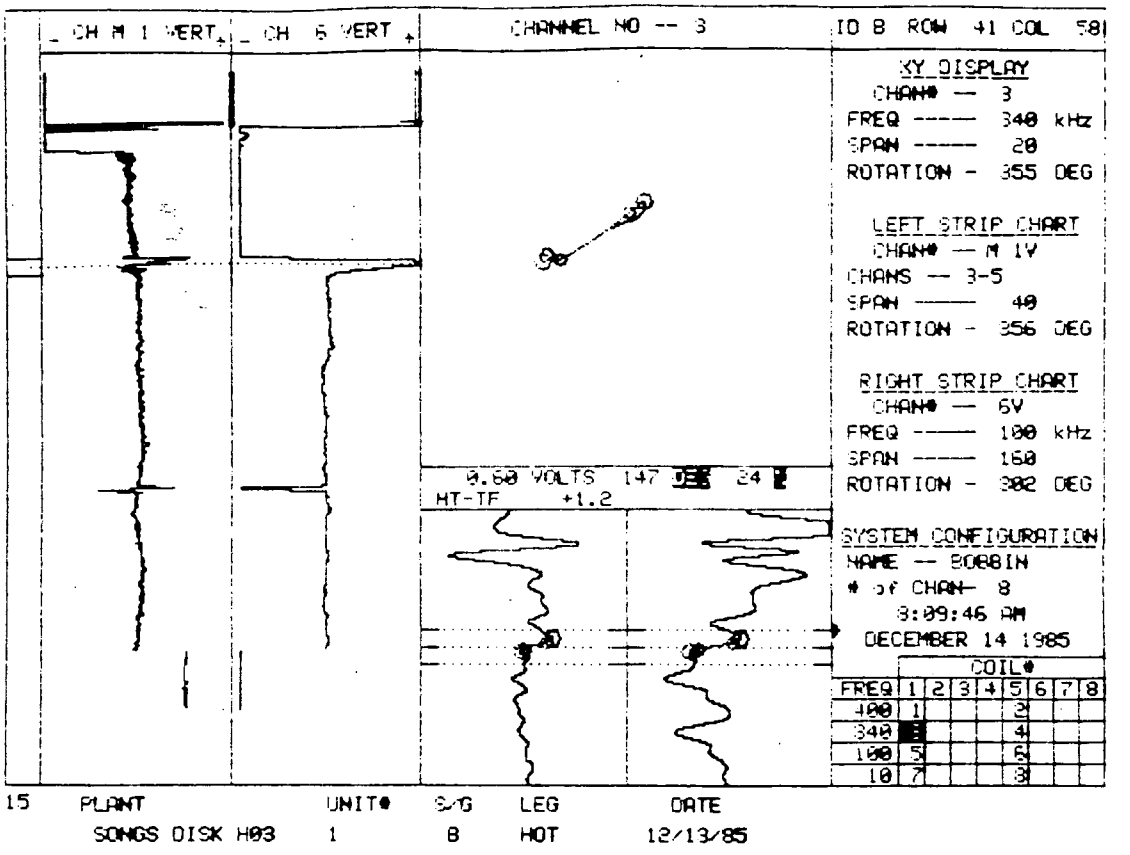

_ CH M 1 VERT +
_ CH 5 VERT +
CHANNEL NO — 3
ID B ROW 41 COL 41
KY DISPLAY
CHAN# -- 3
FREQ ---- 340 kHz
SPAN ---- 20
ROTATION - 355 DEG
LEFT STRIP CHART
CHAN# — M 1V
CHANS — 3-5
SPAN ---- 20
ROTATION - 356 DEG
RIGHT STRIP CHART
CHAN# -- 6V
FREQ ---- 100 kHz
SPAN ---- 160
ROTATION - 302 DEG
SYSTEM CONFIGURATION
NAME — BOBBIN
# of CHAN- 8
8:36:51 AM
DECEMBER 14 1985
0.50 VOLTS 145 DEG 26
HT-TF +1.7
COIL#
FREQ 1 2 3 4 5 6 7 8
400 1 2
340 3 4
100 5 6
10 7 8
15 PLANT UNIT# S/G LEG DATE
SONGS DISK H03 1 8 HOT 12/13/85

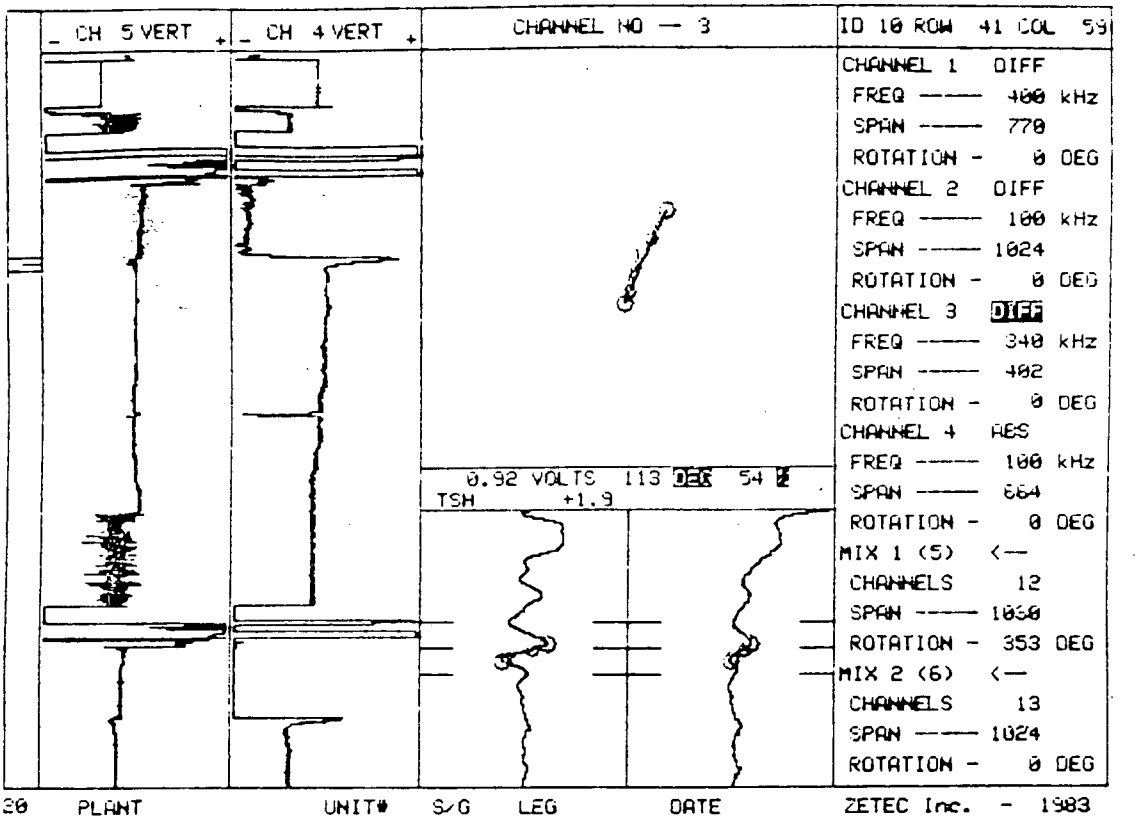

_ CH 5 VERT +
_ CH 4 VERT +
CHANNEL NO — 3
ID 10 ROW 41 COL 44
CHANNEL 1 DIFF
FREQ ——— 400 kHz
SPAN ----- 770
ROTATION - 0 DEG
CHANNEL 2 DIFF
FREQ ——— 100 kHz
SPAN ——— 1034
ROTATION - 0 DEG
CHANNEL 3 DIFF
FREQ ——— 340 kHz
SPAN ——— 490
ROTATION - 0 DEG
CHANNEL 4 ABS
FREQ ——— 100 kHz
SPAN ——— 664
ROTATION - 0 DEG
MIX 1 (5) <—
CHANNELS 12
SPAN ——— 1030
ROTATION - 353 DEG
MIX 2 (6) <—
CHANNELS 13
SPAN ——— 1024
ROTATION - 0 DEG
0.50 VOLTS 154 DEG 10
TSH +2.4
20 PLANT UNIT# S/G LEG DATE
SCE SONGS I 8 INLET 1988
ZETEC Inc. - 1983
Edition 12.0 Rev 1

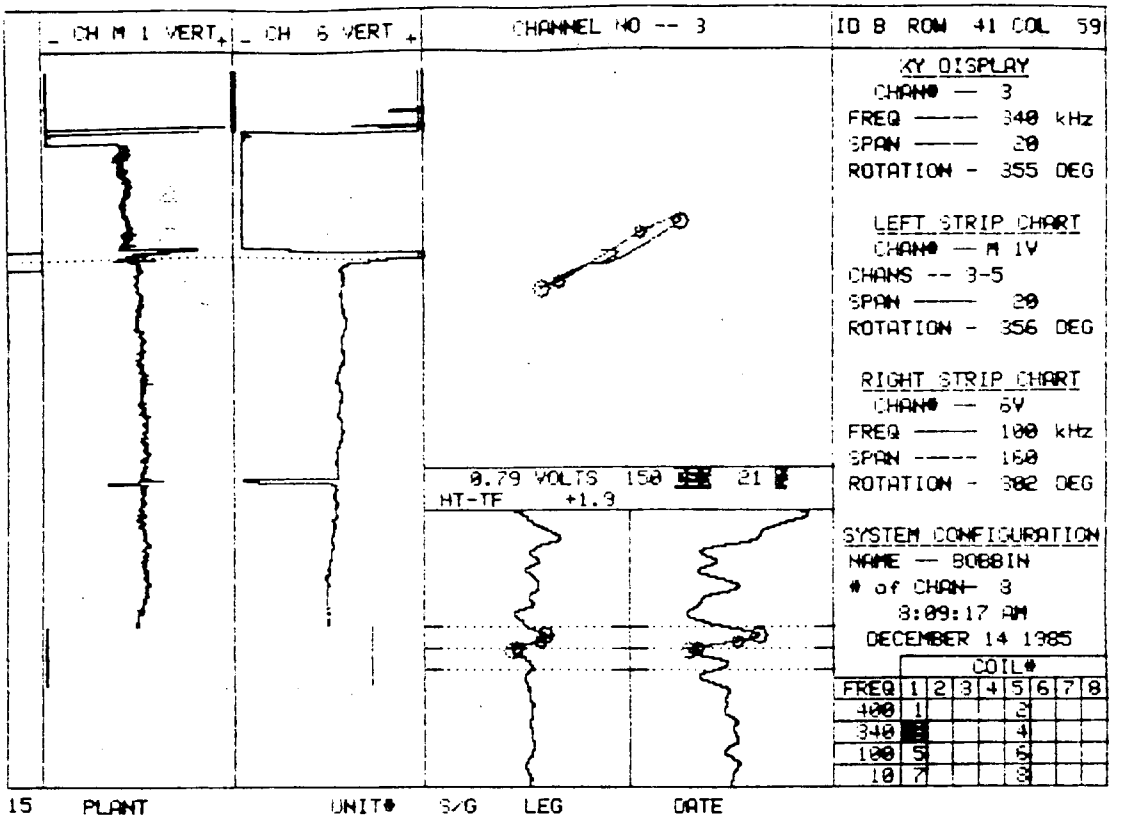

_ CH M 1 VERT +
_ CH 6 VERT +
CHANNEL NO — 3
ID B ROW 41 COL 44
XY DISPLAY
CHAN# — 3
FREQ —— 340 kHz
SPAN —— 20
ROTATION - 355 DEG
LEFT STRIP CHART
CHAN# — M 1V
CHANS — 3-5
SPAN —— 20
ROTATION - 356 DEG
RIGHT STRIP CHART
CHAN# — 6V
FREQ —— 100 kHz
SPAN —— 160
ROTATION - 302 DEG
1.01 VOLTS 152 DEG 19 %
HT-TF +2.8
SYSTEM CONFIGURATION
NAME — SOBBIN
# of CHAN— 8
8:32:30 AM
DECEMBER 14 1985
COIL#
FREQ 1 2 3 4 5 6 7 8
400 1 3
340 2 4
100 5 6
10 7 8
15 PLANT UNIT# S/G LEG DATE
SONGS DISK H03 1 B HOT 12/13/85

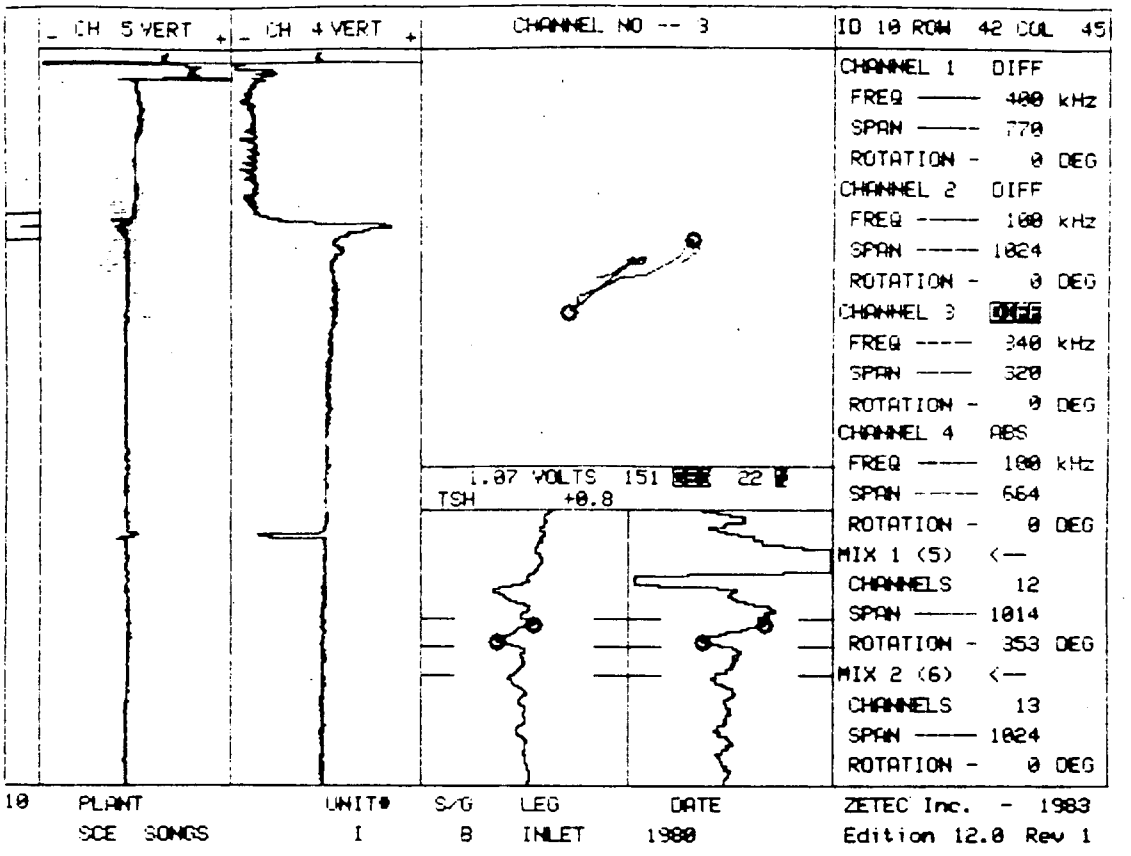

_ CH M 1 VERT +
_ CH 6 VERT +
CHANNEL NO — 3
ID B ROW 41 COL 44
XY DISPLAY
CHAN# — 3
FREQ —— 340 kHz
SPAN —— 20
ROTATION - 355 DEG
LEFT STRIP CHART
CHAN# — M 1V
CHANS — 3-5
SPAN —— 20
ROTATION - 356 DEG
RIGHT STRIP CHART
CHAN# — 6V
FREQ —— 100 kHz
SPAN —— 160
ROTATION - 302 DEG
1.45 VOLTS 146 DEG 25 %
HT-TF +2.4
SYSTEM CONFIGURATION
NAME — SOBBIN
# of CHAN— 8
8:32:30 AM
DECEMBER 14 1985
COIL#
FREQ 1 2 3 4 5 6 7 8
400 1 3
340 2 4
100 5 6
10 7 8
15 PLANT UNIT# S/G LEG DATE
SONGS DISK H03 1 B HOT 12/13/85

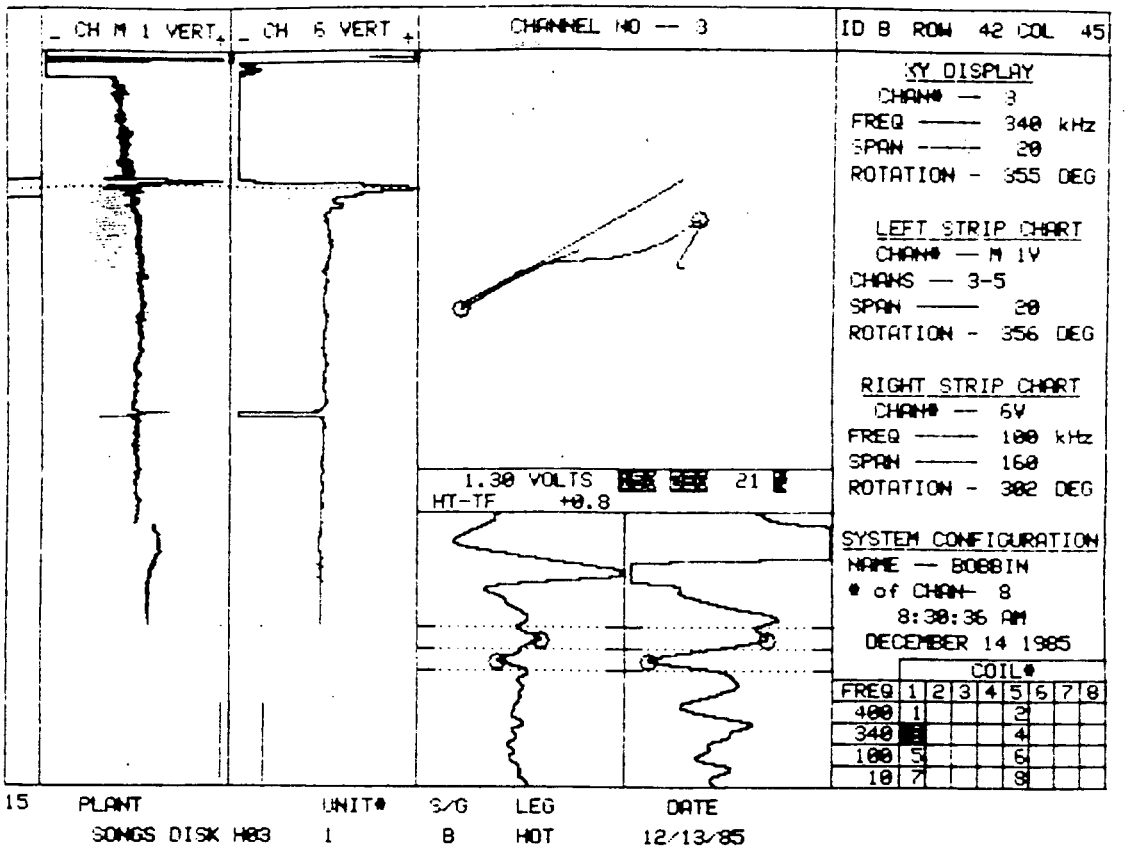

CH 5 VERT
CH 4 VERT
CHANNEL NO — 3
ID 18 ROW 41 COL 58
CHANNEL 1 DIFF
FREQ ——— 400 kHz
SPAN ——— 770
ROTATION - 0 DEG
CHANNEL 2 DIFF
FREQ ——— 100 kHz
SPAN ——— 1024
ROTATION - 0 DEG
CHANNEL 3 DIFF
FREQ ——— 340 kHz
SPAN ——— 402
ROTATION - 0 DEG
CHANNEL 4 ABS
FREQ ——— 100 kHz
SPAN ——— 564
ROTATION - 0 DEG
MIX 1 (5) <—
CHANNELS 12
SPAN ——— 1030
ROTATION - 353 DEG
MIX 2 (6) <—
CHANNELS 13
SPAN ——— 1024
ROTATION - 0 DEG
1.07 VOLTS 108 DEG 57 %
TSH +1.2
20 PLANT SCE SONGS
UNIT# I
S/G B
LEG INLET
DATE 1980
ZETEC Inc. - 1983
Edition 12.0 Rev 1

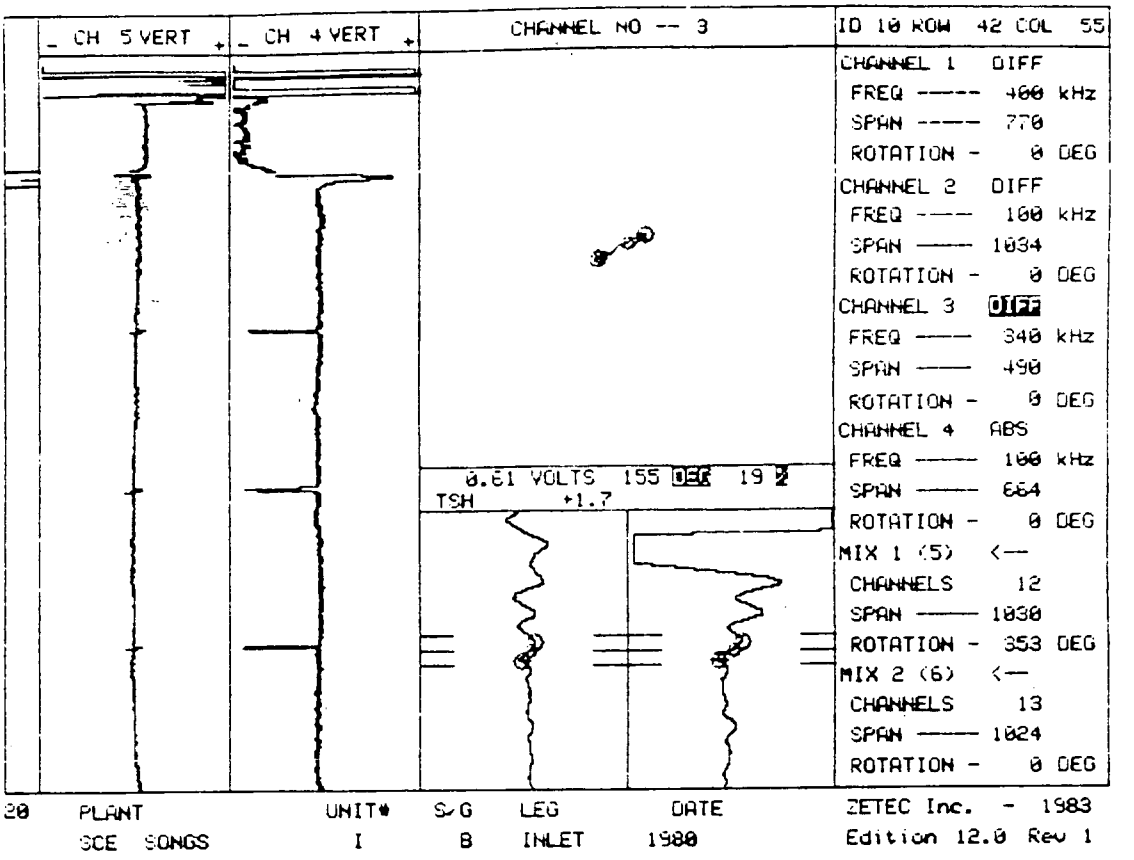

CH M 1 VERT
CH 5 VERT
CHANNEL NO -- 3
ID B ROW 41 COL 58
XY DISPLAY
CHAN# -- 3
FREQ ----- 340 kHz
SPAN ----- 20
ROTATION - 355 DEG
LEFT STRIP CHART
CHAN# -- M 1V
CHANS -- 3-5
SPAN ----- 40
ROTATION - 356 DEG
RIGHT STRIP CHART
CHAN# -- 6V
FREQ ----- 100 kHz
SPAN ----- 160
ROTATION - 382 DEG
0.60 VOLTS 147 DEG 24
HT-TF +1.2
SYSTEM CONFIGURATION
NAME -- BOBBIN
# of CHAN- 8
8:09:46 AM
DECEMBER 14 1985
COIL#
FREQ 1 2 3 4 5 6 7 8
400 1 5
340 3 4
100 5 6
10 7 8
15 PLANT UNIT# S/G LEG DATE
SONGS DISK H03 1 B HOT 12/13/85

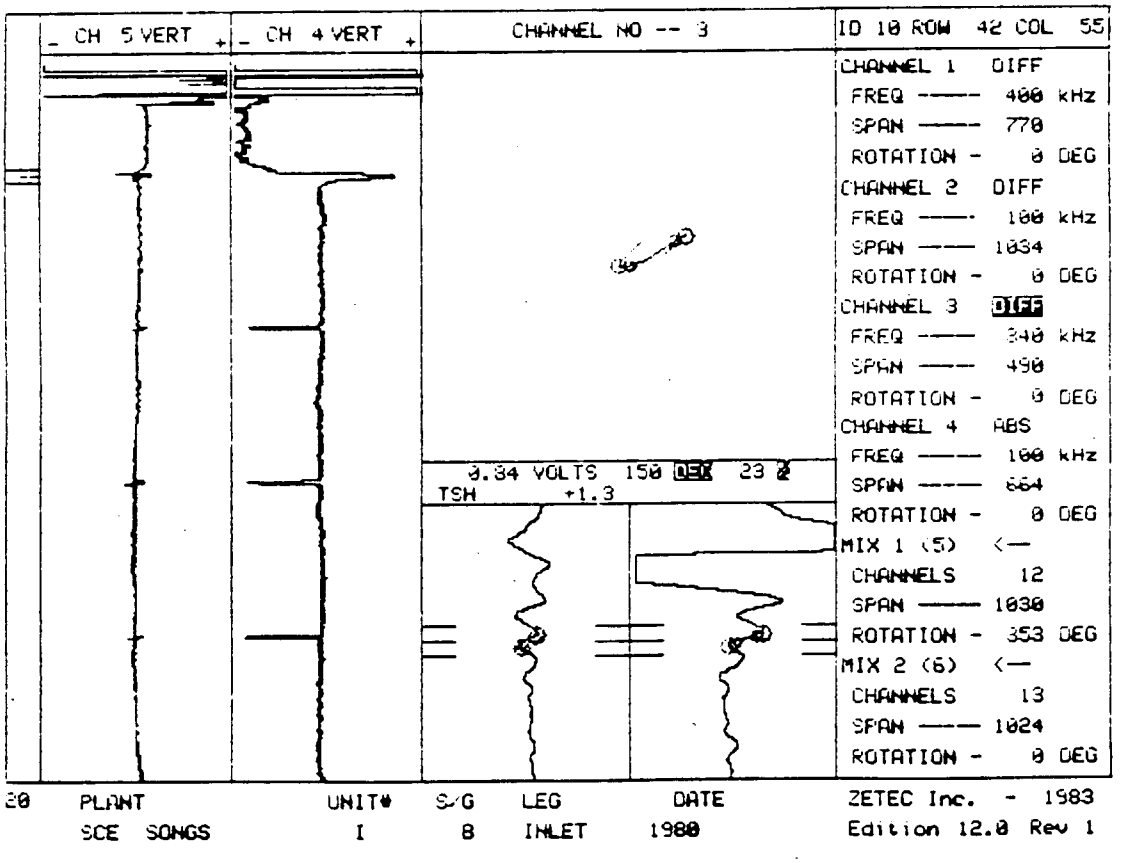

CH 5 VERT
CH 4 VERT
CHANNEL NO — 3
ID 10 ROW 41 COL 59
CHANNEL 1 DIFF
FREQ ——— 400 kHz
SPAN ——— 770
ROTATION - 0 DEG
CHANNEL 2 DIFF
FREQ ——— 100 kHz
SPAN ——— 1024
ROTATION - 0 DEG
CHANNEL 3 DIFF
FREQ ——— 340 kHz
SPAN ——— 402
ROTATION - 0 DEG
CHANNEL 4 ABS
FREQ ——— 100 kHz
SPAN ——— 664
ROTATION - 0 DEG
MIX 1 (5) <—
CHANNELS 12
SPAN ——— 1060
ROTATION - 353 DEG
MIX 2 (6) <—
CHANNELS 13
SPAN ——— 1024
ROTATION - 0 DEG
0.92 VOLTS 113 DEG 54 %
TSH +1.9
30 PLANT SCE SONGS
UNIT# I
S/G B
LEG INLET
DATE 1980
ZETEC Inc. - 1983
Edition 12.0 Rev 1

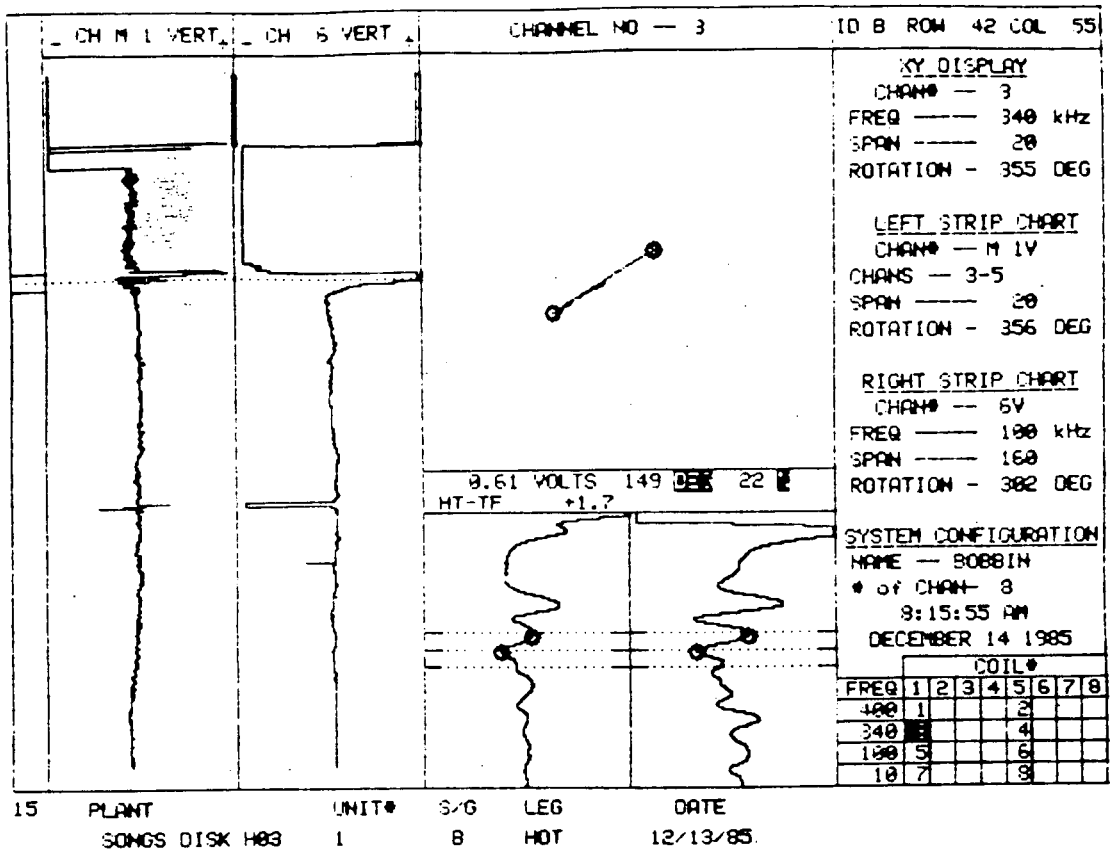

_ CH M 1 VERT +
_ CH 6 VERT +
CHANNEL NO -- 3
ID B ROW 41 COL 59
XY DISPLAY
CHAN# — 3
FREQ ——— 340 kHz
SPAN ——— 20
ROTATION - 355 DEG
LEFT STRIP CHART
CHAN# — M 1V
CHANS -- 3-5
SPAN ——— 20
ROTATION - 356 DEG
RIGHT STRIP CHART
CHAN# — 6V
FREQ ——— 100 kHz
SPAN ——— 160
ROTATION - 302 DEG
0.79 VOLTS 150 21
HT-TF +1.3
SYSTEM CONFIGURATION
NAME — BOBBIN
# of CHAN— 3
8:09:17 AM
DECEMBER 14 1985
COIL#
FREQ 1 2 3 4 5 6 7 8
400 1 2
340 3 4
100 5 6
10 7 8
15 PLANT UNIT# S/G LEG DATE
SONGS DISK H03 1 8 HOT 12/13/85

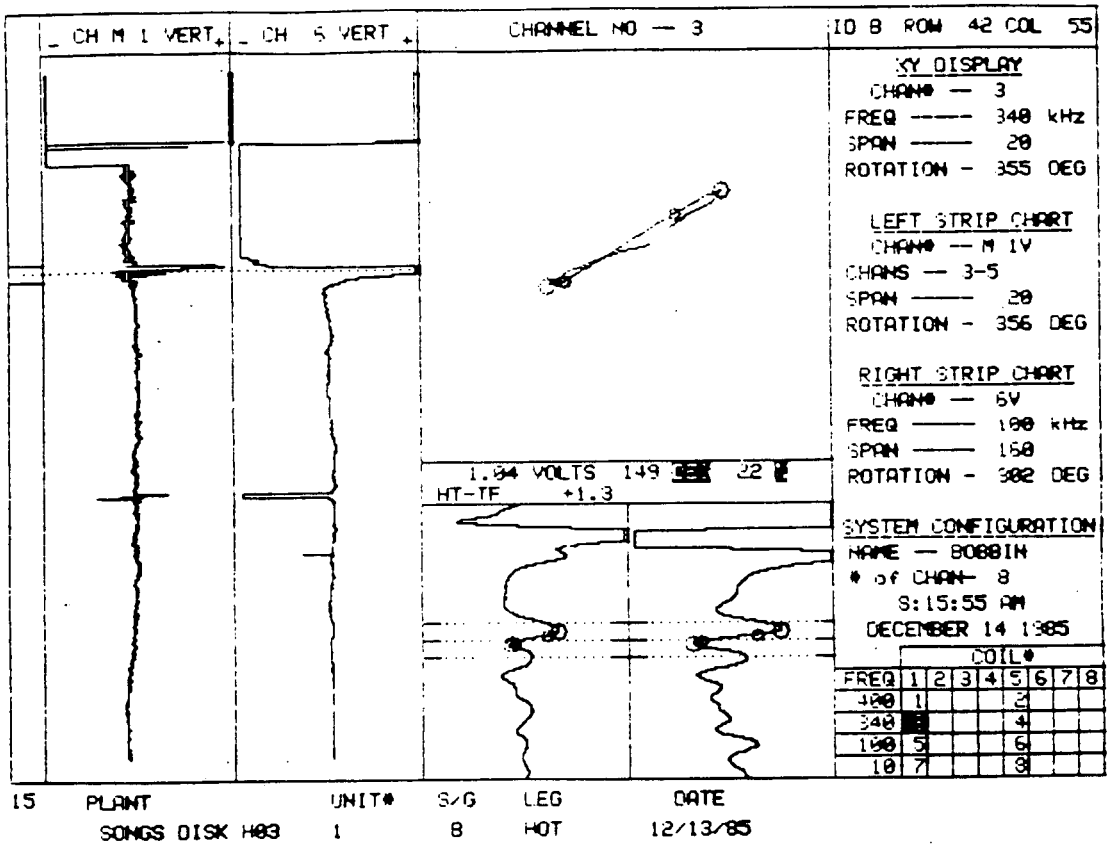

CH 5 VERT
CH 4 VERT
CHANNEL NO -- 3
ID 10 ROW 42 COL 45
CHANNEL 1 DIFF
FREQ 400 kHz
SPAN 770
ROTATION - 0 DEG
CHANNEL 2 DIFF
FREQ 100 kHz
SPAN 1024
ROTATION - 0 DEG
CHANNEL 3 DIFF
FREQ 340 kHz
SPAN 320
ROTATION - 0 DEG
CHANNEL 4 ABS
FREQ 100 kHz
SPAN 664
ROTATION - 0 DEG
MIX 1 (5) <—
CHANNELS 12
SPAN 1014
ROTATION - 353 DEG
MIX 2 (6) <—
CHANNELS 13
SPAN 1024
ROTATION - 0 DEG
1.07 VOLTS 151 22
TSH +0.8
10 PLANT SCE SONGS
UNIT# I
S/G B
LEG INLET
DATE 1980
ZETEC Inc. - 1983
Edition 12.0 Rev 1

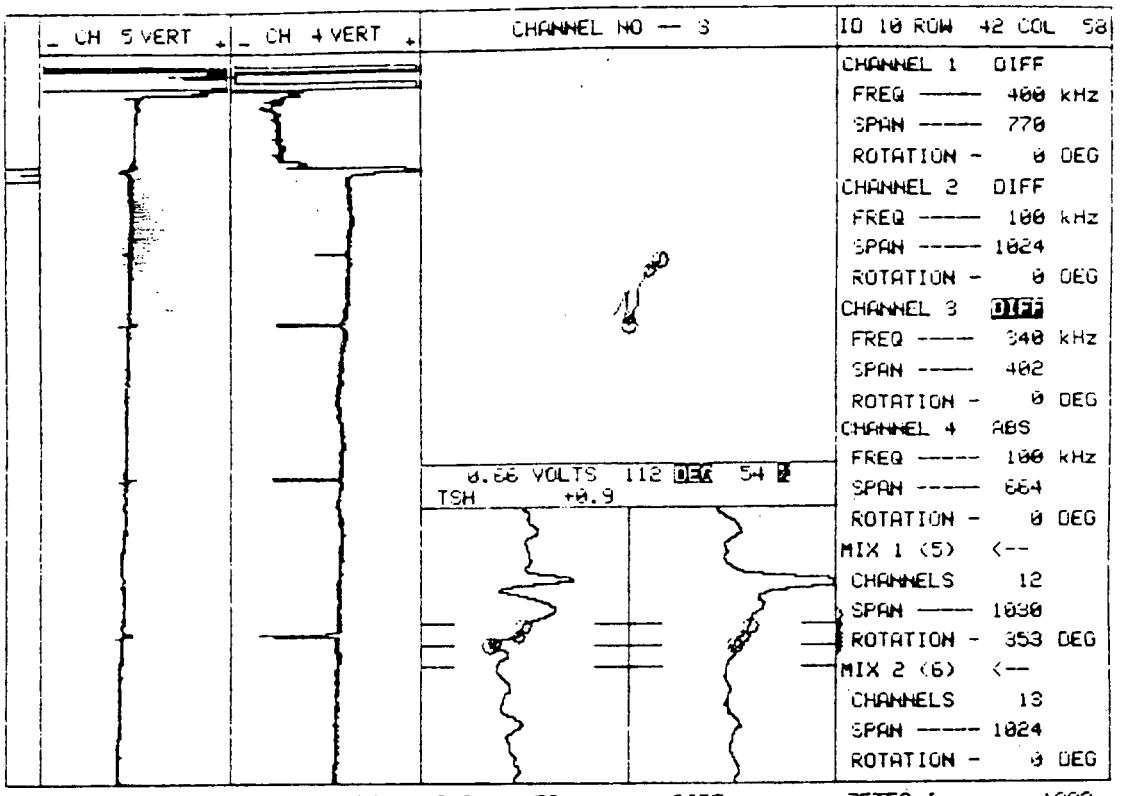

_ CH M 1 VERT +
_ CH 6 VERT +
CHANNEL NO — 3
ID B ROW 42 COL 45
XY DISPLAY
CHAN# — 3
FREQ —— 340 kHz
SPAN —— 20
ROTATION - 355 DEG
LEFT STRIP CHART
CHAN# — M 1V
CHANS — 3-5
SPAN —— 20
ROTATION - 356 DEG
RIGHT STRIP CHART
CHAN# — 6V
FREQ —— 100 kHz
SPAN —— 160
ROTATION - 302 DEG
1.30 VOLTS 21
HT-TF +0.8
SYSTEM CONFIGURATION
NAME — BOBBIN
# of CHAN— 8
8:30:36 AM
DECEMBER 14 1985
COIL#
FREQ 1 2 3 4 5 6 7 8
400 1 2
340 3 4
100 5 6
10 7 8
15 PLANT UNIT# S/G LEG DATE
SONGS DISK H03 1 B HOT 12/13/85

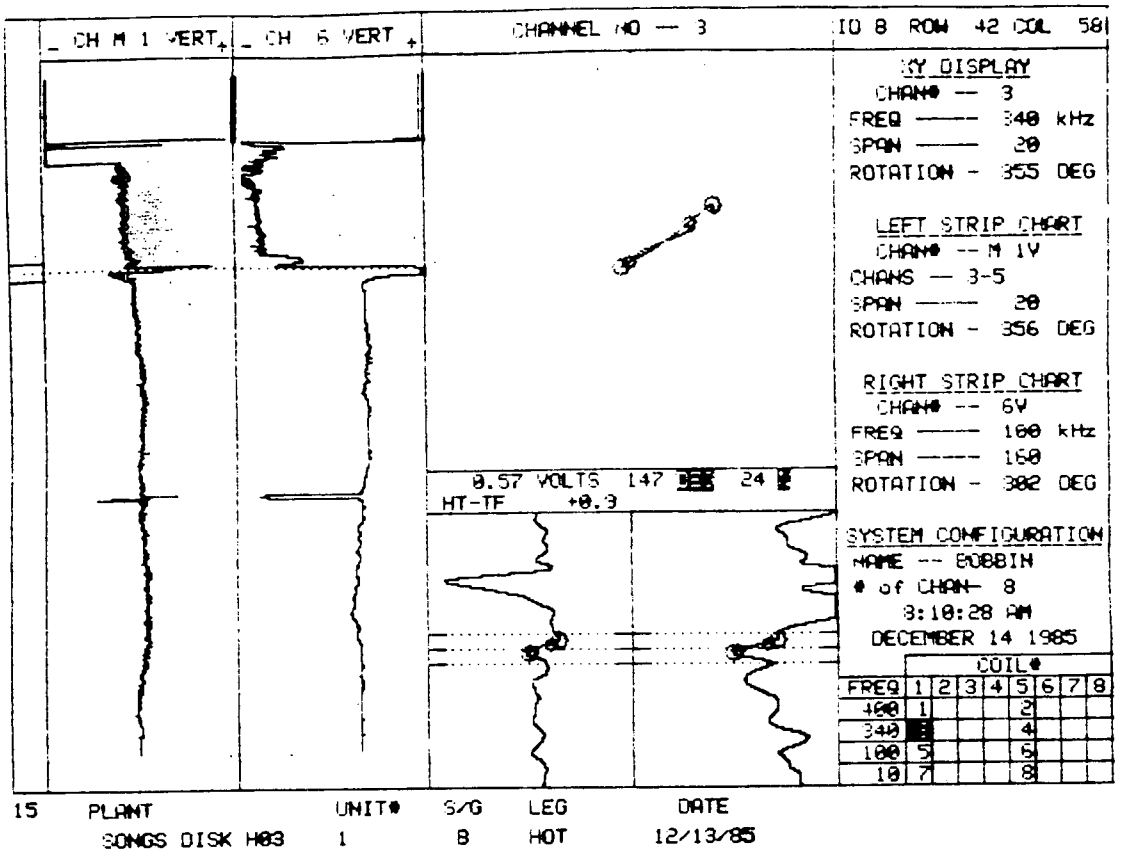

_ CH 5 VERT +
_ CH 4 VERT +
CHANNEL NO -- 3
ID 10 ROW 42 COL 55
CHANNEL 1 DIFF
FREQ ----- 400 kHz
SPAN ----- 770
ROTATION - 0 DEG
CHANNEL 2 DIFF
FREQ ----- 100 kHz
SPAN ----- 1034
ROTATION - 0 DEG
CHANNEL 3 DIFF
FREQ ----- 340 kHz
SPAN ----- 490
ROTATION - 0 DEG
CHANNEL 4 ABS
FREQ ----- 100 kHz
SPAN ----- 664
ROTATION - 0 DEG
MIX 1 (5) <—
CHANNELS 12
SPAN ----- 1030
ROTATION - 353 DEG
MIX 2 (6) <—
CHANNELS 13
SPAN ----- 1024
ROTATION - 0 DEG
0.61 VOLTS 155 DEG 19 %
TSH +1.7
20 PLANT SCE SONGS
UNIT# I
S/G B
LEG INLET
DATE 1980
ZETEC Inc. - 1983
Edition 12.0 Rev 1

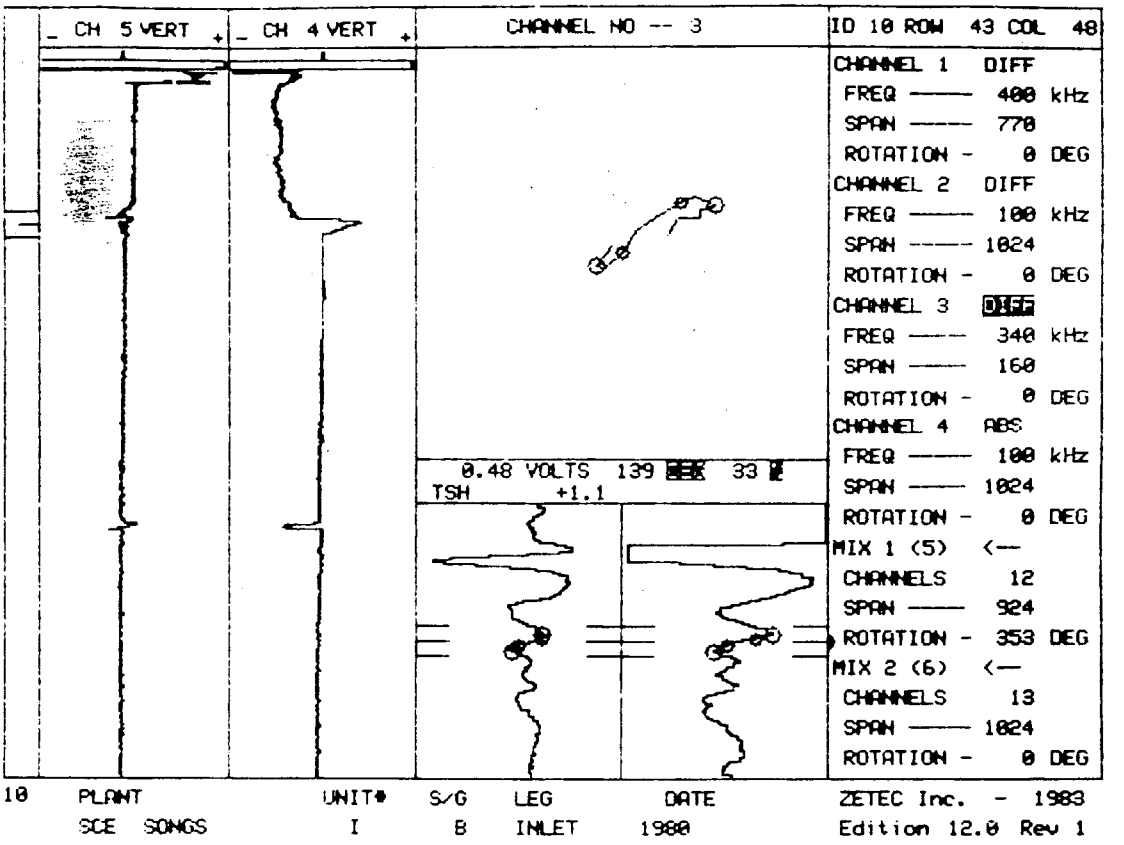

_ CH 5 VERT +
_ CH 4 VERT +
CHANNEL NO -- 3
ID 10 ROW 42 COL 55
CHANNEL 1 DIFF
FREQ ----- 400 kHz
SPAN ----- 770
ROTATION - 0 DEG
CHANNEL 2 DIFF
FREQ ----- 100 kHz
SPAN ----- 1034
ROTATION - 0 DEG
CHANNEL 3 DIFF
FREQ ----- 340 kHz
SPAN ----- 490
ROTATION - 0 DEG
CHANNEL 4 ABS
FREQ ----- 100 kHz
SPAN ----- 664
ROTATION - 0 DEG
MIX 1 (5) <—
CHANNELS 12
SPAN ----- 1030
ROTATION - 353 DEG
MIX 2 (6) <—
CHANNELS 13
SPAN ----- 1024
ROTATION - 0 DEG
0.34 VOLTS 150 DEG 23 %
TSH +1.3
20 PLANT SCE SONGS
UNIT# I
S/G B
LEG INLET
DATE 1980
ZETEC Inc. - 1983
Edition 12.0 Rev 1

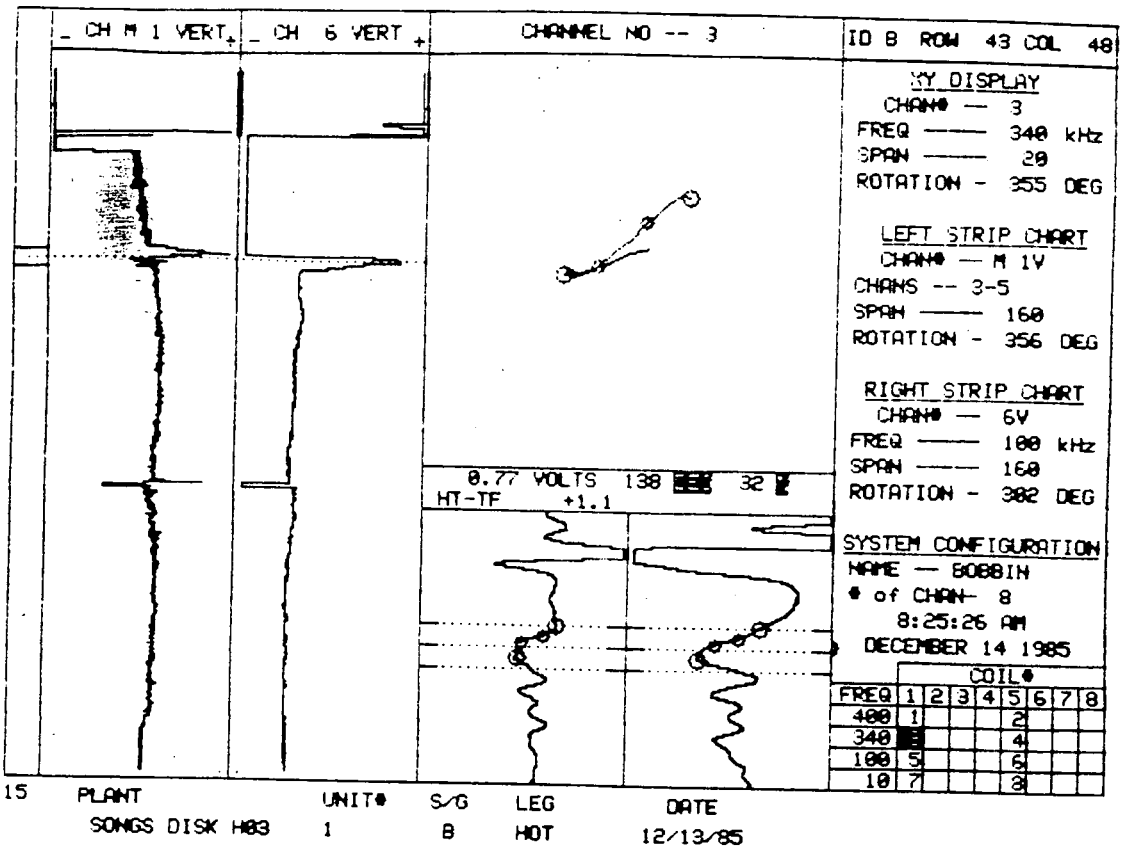

CH M 1 VERT
CH 5 VERT
CHANNEL NO — 3
ID B ROW 42 COL 55
XY DISPLAY
CHAN# — 3
FREQ —— 340 kHz
SPAN —— 20
ROTATION - 355 DEG
LEFT STRIP CHART
CHAN# — M 1V
CHANS — 3-5
SPAN —— 20
ROTATION - 356 DEG
RIGHT STRIP CHART
CHAN# — 6V
FREQ —— 100 kHz
SPAN —— 150
ROTATION - 302 DEG
SYSTEM CONFIGURATION
NAME — BOBBIN
# of CHAN— 8
8:15:55 AM
DECEMBER 14 1985
0.61 VOLTS 149 22
HT-TF +1.7
COIL#
FREQ 1 2 3 4 5 6 7 8
100 1 2
340 3 4
100 5 6
10 7 8
15 PLANT UNIT# S/G LEG DATE
SONGS DISK H03 1 8 HOT 12/13/85


CH M 1 VERT
CH 5 VERT
CHANNEL NO — 3
ID B ROW 42 COL 55
XY DISPLAY
CHAN# — 3
FREQ —— 340 kHz
SPAN —— 20
ROTATION - 355 DEG
LEFT STRIP CHART
CHAN# — M 1V
CHANS — 3-5
SPAN —— 20
ROTATION - 356 DEG
RIGHT STRIP CHART
CHAN# — 6V
FREQ —— 100 kHz
SPAN —— 150
ROTATION - 302 DEG
SYSTEM CONFIGURATION
NAME — BOBBIN
# of CHAN— 8
8:15:55 AM
DECEMBER 14 1985
1.04 VOLTS 149 22
HT-TF +1.3
COIL#
FREQ 1 2 3 4 5 6 7 8
100 1 2
340 3 4
100 5 6
10 7 8
15 PLANT UNIT# S/G LEG DATE
SONGS DISK H03 1 8 HOT 12/13/85


CH 5 VERT
CH 4 VERT
CHANNEL NO — 3
0.66 VOLTS 112 DEG 54
TSH +0.9
ID 10 ROW 42 COL 58
CHANNEL 1 DIFF
FREQ ——— 400 kHz
SPAN ——— 770
ROTATION - 0 DEG
CHANNEL 2 DIFF
FREQ ——— 100 kHz
SPAN ——— 1024
ROTATION - 0 DEG
CHANNEL 3 DIFF
FREQ ——— 340 kHz
SPAN ——— 402
ROTATION - 0 DEG
CHANNEL 4 ABS
FREQ ——— 100 kHz
SPAN ——— 664
ROTATION - 0 DEG
MIX 1 (5) <--
CHANNELS 12
SPAN ——— 1030
ROTATION - 353 DEG
MIX 2 (6) <--
CHANNELS 13
SPAN ——— 1024
ROTATION - 0 DEG
20 PLANT UNIT# S/G LEG DATE
SCE SONGS I 8 INLET 1980
ZETEC Inc. - 1983
Edition 12.0 Rev 1


_ CH M 1 VERT +
_ CH 5 VERT +
CHANNEL NO — 3
ID 8 ROW 42 COL 58
XY DISPLAY
CHAN# — 3
FREQ ——— 340 kHz
SPAN ——— 20
ROTATION - 355 DEG
LEFT STRIP CHART
CHAN# -- M 1V
CHANS — 3-5
SPAN ——— 20
ROTATION - 356 DEG
RIGHT STRIP CHART
CHAN# -- 6V
FREQ ——— 100 kHz
SPAN ——— 150
ROTATION - 382 DEG
0.57 VOLTS 147 DEG 24
HT-TF +0.3
SYSTEM CONFIGURATION
NAME -- BOBBIN
# of CHAN- 8
8:10:28 AM
DECEMBER 14 1985
COIL#
FREQ 1 2 3 4 5 6 7 8
400 1 2
340 3 4
100 5 6
10 7 8
15 PLANT UNIT# S/G LEG DATE
SONGS DISK H03 1 B HOT 12/13/85


_ CH 5 VERT +
_ CH 4 VERT +
CHANNEL NO -- 3
ID 10 ROW 43 COL 48
0.48 VOLTS 139 33
TSH +1.1
CHANNEL 1 DIFF
FREQ ——— 400 kHz
SPAN ——— 770
ROTATION - 0 DEG
CHANNEL 2 DIFF
FREQ ——— 100 kHz
SPAN ——— 1024
ROTATION - 0 DEG
CHANNEL 3 DIFF
FREQ ——— 340 kHz
SPAN ——— 160
ROTATION - 0 DEG
CHANNEL 4 ABS
FREQ ——— 100 kHz
SPAN ——— 1024
ROTATION - 0 DEG
MIX 1 (5) <—
CHANNELS 12
SPAN ——— 924
ROTATION - 353 DEG
MIX 2 (6) <—
CHANNELS 13
SPAN ——— 1024
ROTATION - 0 DEG
10 PLANT SCE SONGS
UNIT# I
S/G B
LEG INLET
DATE 1980
ZETEC Inc. - 1983
Edition 12.0 Rev 1


_ CH M 1 VERT +
_ CH 6 VERT +
CHANNEL NO -- 3
ID B ROW 43 COL 48
XY DISPLAY
CHAN# — 3
FREQ —— 340 kHz
SPAN —— 20
ROTATION - 355 DEG
LEFT STRIP CHART
CHAN# — M 1V
CHANS -- 3-5
SPAN —— 160
ROTATION - 356 DEG
RIGHT STRIP CHART
CHAN# — 6V
FREQ —— 100 kHz
SPAN —— 160
ROTATION - 382 DEG
0.77 VOLTS 138 32
HT-TF +1.1
SYSTEM CONFIGURATION
NAME — 8088IN
# of CHAN- 8
8:25:26 AM
DECEMBER 14 1985
COIL#
FREQ 1 2 3 4 5 6 7 8
400 1 2
340 3 4
100 5 6
10 7 8
15 PLANT UNIT# S/G LEG DATE
SONGS DISK H83 1 B HOT 12/13/85