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*New York State*
*Department of Environmental Conservation*
*Division of Hazardous Waste Remediation*

# REMEDIAL INVESTIGATION AND FEASIBILITY STUDY

BECKER ELECTRONICS SITE
TOWN OF DURHAM
GREENE COUNTY , NEW YORK
SITE I.D. NO. 4-20-007

Final

~~DRAFT~~ PHASE I REMEDIAL INVESTIGATION REPORT
VOLUME 2 - APPENDICES A - D

MARCH 1992

Prepared By:

Metcalf & Eddy of New York, Inc.
303 South Broadway, Tarrytown, New York 10591

# REMEDIAL INVESTIGATION/FEASIBILITY STUDY

# PHASE I REMEDIAL INVESTIGATION REPORT

## VOLUME 2
## APPENDICES A - D

BECKER ELECTRONICS SITE
TOWN OF DURHAM
GREENE COUNTY, NEW YORK

SITE I.D. NO. 4-20-007

PREPARED FOR

NEW YORK STATE DEPARTMENT
OF ENVIRONMENTAL CONSERVATION

BY
METCALF & EDDY OF NEW YORK, INC.
TARRYTOWN, NEW YORK

MARCH 1992

## VOLUME 2
## APPENDICES A - D

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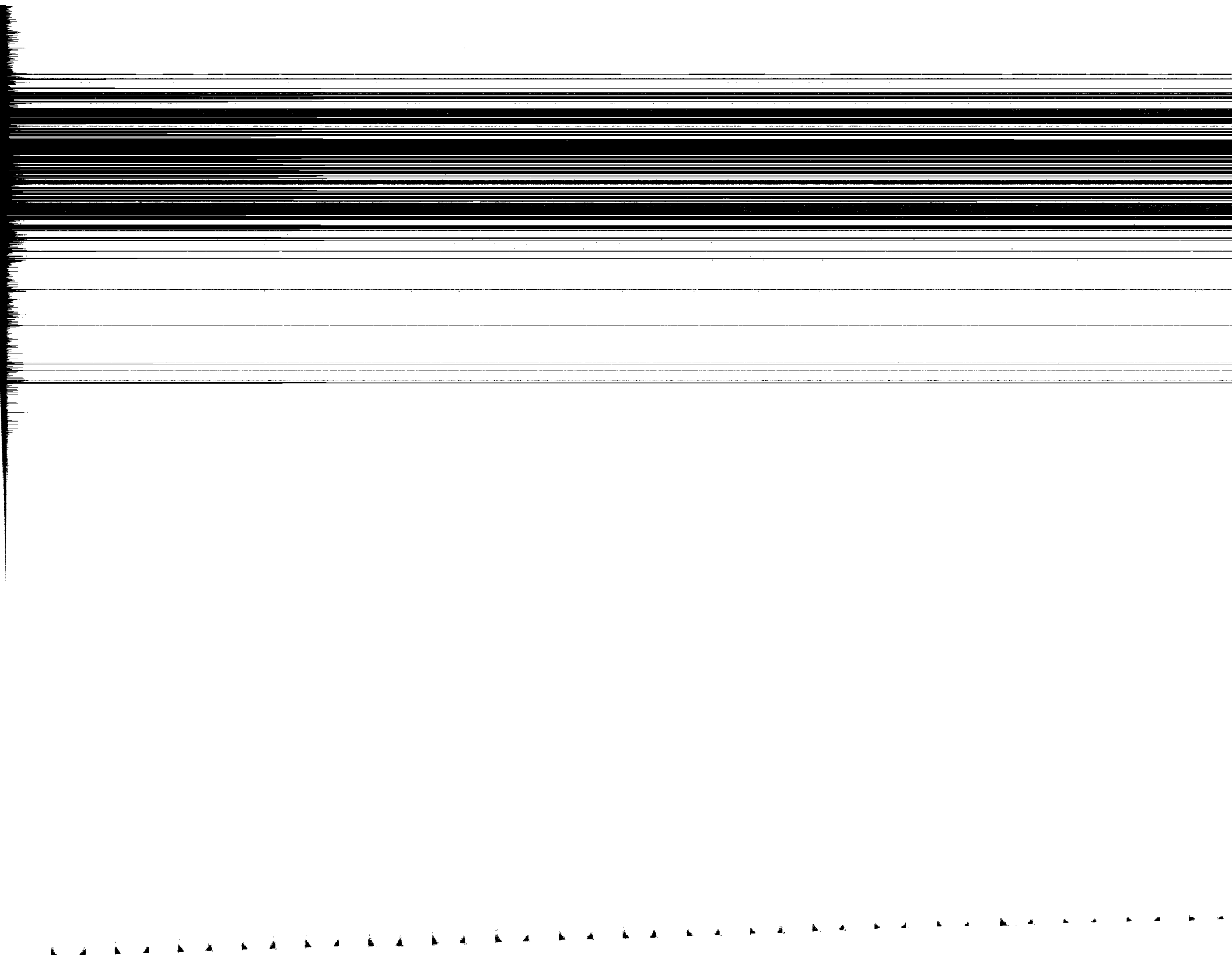
# Appendix A



# Appendix B

| SITE NAME: | JOB NUMBER | CLIENT: | PAGE |
|---|---|---|---|
| BECKER ELECTRONICS | 5048 | NYSDEC | 1 OF 1 |

| TEST PIT #: | LOCATION: | START DATE: DEC. 3, 1990<br>FINISH DATE: DEC. 3, 1990 | |
|---|---|---|---|
| BL-1 | EAST DURHAM, NY | | |
| **EXCAVATION CONTRACTOR:** HARDIMAN DRILLING | **EXCAVATION EQUIPMENT:** BACKHOE | **EXCAVATION METHOD:** | **SAMPLING METHOD:** |
| **OPERATOR:** JOE DONER | **GEOLOGIST:** DOUG BEAL | **GROUND SURFACE ELEVATION:** 503.45' MSL | |

# TEST PIT LOG

| DEPTH (FEET) | SOIL DESCRIPTION |
|---|---|
| 0 | |
| 1 | DARK REDDISH-BROWN FINE TO COARSE SAND, SOME GRAVEL |
| 2 | TRACE SILT |
| 3 | |
| 4 | BOTTOM OF TEST PIT AT 3.0' DEPTH. |
| 5 | |
| 6 | |
| 7 | |
| 8 | |
| 9 | |
| 10 | |
| 11 | |
| 12 | |
| 13 | |
| 14 | |
| 15 | |

**NOTES:** LABORATORY SAMPLE #9012030115
OVA READING: 15 PPM

TEST PIT PERFORMED IN LIEU OF SOIL BORING DUE TO DIFFICULTIES IN GAINING ACCESS TO LOCATION WITH DRILL RIG.

**METCALF & EDDY, INC.**

| SITE NAME: | JOB NUMBER | CLIENT: | PAGE |
|---|---|---|---|
| **BECKER ELECTRONICS** | 5048 | NYSDEC | 1 OF 1 |

| BORING #: | LOCATION: | START DATE: NOV. 14, 1990<br>FINISH DATE: NOV. 14, 1990 |
|---|---|---|
| BL-2 | EAST DURHAM, NY | |

| DRILLING COMPANY: | DRILLING RIG: | DRILLING METHOD: | SAMPLING METHOD: |
|---|---|---|---|
| HARDIMAN DRILLING | CME 55 | HOLLOW STEM AUGER | SPLIT SPOON |

| DRILLER: | GEOLOGIST: | GROUND SURFACE ELEVATION: |
|---|---|---|
| TOM HARDIMAN | DOUG BEAL | 487.66' MSL |

| DEPTH (FEET) | SAMPLE DEPTH | RECOVERY | SAMPLE INFORMATION | | | SAMPLE DESCRIPTION |
|---|---|---|---|---|---|---|
| | | | SAMPLE | BLOW COUNTS | OVA READING | |
| 1 | 0'-2' | 19" | S-1 | 5-25-18-12 | BDL | DARK REDDISH-BROWN FINE TO COARSE SAND, WITH SOME GRAVEL. OVA READINGS WERE 0 PPM IN BREATHING ZONE AND 6 PPM IN BOREHOLE. |
| 2 | | | | | | |
| 3 | 2'-4' | 18" | S-2 | 12-45-54-45 | BDL | SAME AS ABOVE. OVA READINGS WERE 0 PPM IN BREATHING ZONE AND 12 PPM IN BOREHOLE. SPLIT SPOON WET AT 3'. |
| 4 | | | | | | |
| 5 | 4'-6' | 16" | S-3 | 14-50-72-47 | BDL | YELLOWISH-BROWN FINE SAND, SOME SILTY CLAY. |
| 6 | | | | | | |
| 7 | 6'-8' | 11" | S-4 | 23-34-100/3" | BDL | GREENISH-GRAY FINE SAND, SOME SILTY CLAY. |
| 8 | | | | | | |
| 9 | 7.5'-7.5' | 0" | S-5 | 50/0" | BDL | TOP OF BEDROCK AT 7.5' DEPTH<br>END OF BORING AT 7.5'. |
| 10 | | | | | | |
| 11 | | | | | | |
| 12 | | | | | | |
| 13 | | | | | | |
| 14 | | | | | | |
| 15 | | | | | | NOTES:<br>BDL = BELOW DETECTION LIMIT<br>LABORATORY SAMPLES:<br>S-2 SAMPLE #9011140078<br>S-3 SAMPLE #9011140079<br>OVA HEADSPACE:<br>0-2': 30 PPM<br>2-4': 22 PPM<br>4-6': 15 PPM |
| 16 | | | | | | |
| 17 | | | | | | |
| 18 | | | | | | |
| 19 | | | | | | |
| 20 | | | | | | |
| 21 | | | | | | |
| 22 | | | | | | |
| 23 | | | | | | |
| 24 | | | | | | |
| 25 | | | | | | |

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| **BECKER ELECTRONICS** | 5048 | NYSDEC | 1 OF 1 |

| BORING #: | LOCATION: | START DATE: NOV. 14, 1990<br>FINISH DATE: NOV. 14, 1990 |
|---|---|---|
| BL-3 | EAST DURHAM, NY | |

| DRILLING COMPANY: | DRILLING RIG: | DRILLING METHOD: | SAMPLING METHOD: |
|---|---|---|---|
| HARDIMAN DRILLING | CME 55 | HOLLOW STEM AUGER | SPLIT SPOON |

| DRILLER: | GEOLOGIST: | GROUND SURFACE ELEVATION: |
|---|---|---|
| TOM HARDIMAN | DOUG BEAL | 486.22' MSL |

| DEPTH (FEET) | SAMPLE DEPTH | RECOVERY | SAMPLE INFORMATION | | | SAMPLE DESCRIPTION |
|---|---|---|---|---|---|---|
| | | | SAMPLE | BLOW COUNTS | OVA READING | |
| 1 | 0'-2' | 19" | S-1 | 12-20-71-130/5" | BDL | DARK REDDISH-BROWN SILTY FINE SAND,TRACE GRAVEL. OVA READINGS WERE 8 PPM IN BOREHOLE. |
| 2 | | | | | | |
| 3 | 2'-2.2' | 0" | S-2 | 100/2" | BDL | END OF BORING AT 2.2' DEPTH<br>TOP OF BEDROCK ENCOUNTERED AT 2.2' DEPTH. |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | NOTES: |
| 7 | | | | | | BDL = BELOW DETECTION LIMIT |
| 8 | | | | | | LABORATORY SAMPLE:<br>S-1: SAMPLE #9011140076 |
| 9 | | | | | | |
| 10 | | | | | | OVA HEADSPACE<br>0-2': 5 PPM |
| 11 | | | | | | |
| 12 | | | | | | |
| 13 | | | | | | |
| 14 | | | | | | |
| 15 | | | | | | |
| 16 | | | | | | |
| 17 | | | | | | |
| 18 | | | | | | |
| 19 | | | | | | |
| 20 | | | | | | |
| 21 | | | | | | |
| 22 | | | | | | |
| 23 | | | | | | |
| 24 | | | | | | |
| 25 | | | | | | |

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| **BECKER ELECTRONICS** | 5048 | NYSDEC | 1 OF 1 |

| BORING #: | LOCATION: | START DATE: NOV. 14, 1990<br>FINISH DATE: NOV. 14, 1990 | |
|---|---|---|---|
| BL-4 | EAST DURHAM, NY | | |
| **DRILLING COMPANY:** HARDIMAN DRILLING | **DRILLING RIG:** CME 55 | **DRILLING METHOD:** HOLLOW STEM AUGER | **SAMPLING METHOD:** SPLIT SPOON |
| **DRILLER:** TOM HARDIMAN | **GEOLOGIST:** DOUG BEAL | **GROUND SURFACE ELEVATION:** 487.61' MSL | |

| DEPTH (FEET) | SAMPLE DEPTH | RECOVERY | SAMPLE INFORMATION | | | SAMPLE DESCRIPTION |
|---|---|---|---|---|---|---|
| | | | SAMPLE | BLOW COUNTS | OVA READING | |
| 1 | 0'-2' | 20" | S-1 | 16-14-14-16 | BDL | DARK REDDISH-BROWN SILTY FINE SAND, SOME GRAVEL. |
| 2 | | | | | | |
| 3 | 2'-4' | 12" | S-2 | 26-23-48-100/2" | BDL | DARK REDDISH-BROWN SILTY SAND, TRACE COARSE SAND, GRAVEL. AUGERED FROM 3.5'-4.0'. |
| 4 | | | | | | |
| 5 | 4'-4.1' | 0" | S-3 | 50/1" | BDL | END OF BORING AT 3.5' DEPTH.<br>TOP OF BEDROCK AT 3.5' DEPTH. |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | NOTES:<br>BDL : BELOW DETECTION LIMIT<br>LABORATORY SAMPLE:<br>S-2: SAMPLE #9011140077<br>OVA HEADSPACE:<br>0-2': 0 PPM<br>2-4': 3 PPM |
| 11 | | | | | | |
| 12 | | | | | | |
| 13 | | | | | | |
| 14 | | | | | | |
| 15 | | | | | | |
| 16 | | | | | | |
| 17 | | | | | | |
| 18 | | | | | | |
| 19 | | | | | | |
| 20 | | | | | | |
| 21 | | | | | | |
| 22 | | | | | | |
| 23 | | | | | | |
| 24 | | | | | | |
| 25 | | | | | | |

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| **BECKER ELECTRONICS** | 5048 | NYSDEC | 1 OF 3 |

| BORING #: | LOCATION: | START DATE: NOV. 16, 1990 0845<br>FINISH DATE: NOV. 27, 1990 0840 |
|---|---|---|
| MW-4 | EAST DURHAM, NY | |

| DRILLING COMPANY: | DRILLING RIG: | DRILLING METHOD: | SAMPLING METHOD: |
|---|---|---|---|
| HARDIMAN DRILLING | CME 55 | CORING | CORE BARREL |

| DRILLER: | GEOLOGIST: | GROUND SURFACE ELEVATION: |
|---|---|---|
| TOM HARDIMAN | DOUG BEAL | 486.22' MSL |

| DEPTH (FEET) | SAMPLE DEPTH | RUN # | RECOVERY % | RQD % | FRACTURES | SAMPLER TYPE* | LITHOLOGY |
|---|---|---|---|---|---|---|---|
| 1-3 | | | | | | | ADVANCED BORING TO TOP OF BEDROCK WITHOUT SAMPLING. |
| 4-8 | 3.5'-8.5' | 1A | 65 % | 0 % | | AX | TOP OF BEDROCK AT 3.5' DEPTH.<br>DARK GREEN TO GRAY SHALE. |
| 9-13 | 8.5'-13.5' | 2A | 63 % | 0 % | | AX | DARK GREEN TO GRAY SHALE. |
| 14-15 | | | | | | | DRILLED WITH ROLLER BIT FROM 13.5'-15'. |
| 16-22 | 15'-22' | 1 | 98 % | 44 % | VERY CLOSE TO CLOSE | NX | MOTTLED REDDISH BROWN TO LIGHT GREEN LAMINATED SHALE. |
| 23-25 | | | | | | | |

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| **BECKER ELECTRONICS** | 5048 | NYSDEC | 2 OF 3 |

| BORING #: | LOCATION: | START DATE: NOV. 16, 1990 0845<br>FINISH DATE: NOV. 27, 1990 0840 |
|---|---|---|
| MW-4 | EAST DURHAM, NY | |

| DRILLING COMPANY: | DRILLING RIG: | DRILLING METHOD: | SAMPLING METHOD: |
|---|---|---|---|
| HARDIMAN DRILLING | CME 55 | CORING | CORE BARREL |

| DRILLER: | GEOLOGIST: | GROUND SURFACE ELEVATION: |
|---|---|---|
| TOM HARDIMAN | DOUG BEAL | 486.22' MSL |

| DEPTH (FEET) | SAMPLE DEPTH | RUN # | RECOVERY % | RQD % | FRACTURES | SAMPLER TYPE | LITHOLOGY |
|---|---|---|---|---|---|---|---|
| 23–28 | 22'-28' | 2 | 106 % | 61 % | CLOSELY SPACED, HIGH ANGLE FRACTURES WITH DARK MINERALIZATION ON FRACTURED FACE. | NX | MOTTLED REDDISH-BROWN TO LIGHT GREEN SHALE. |
| 29–33 | 28'-33' | 3 | 90 % | 26 % | CLOSELY SPACED, HIGH ANGLE FRACTURES WITH DARK YELLOW BROWN MINERALIZATION ON FRACTURE FACES. | NX | MOTTLED REDDISH-BROWN TO LIGHT GREEN SHALE. BOTTOM 1.0': LIGHT GREEN SHALE. |
| 34–38 | 33'-38' | 4 | 103 % | 62 % | CLOSELY SPACED, HIGH ANGLE FRACTURES. | NX | LIGHT GREEN SHALE. |
| 39–43 | 38'-43' | 5 | 80% | 67 % | MODERATELY CLOSE | NX | LIGHT GREEN SHALE. |
| 44–48 | 43'-48' | 6 | 103 % | 52 % | MODERATELY CLOSE LARGE VERTICAL FRACTURE ON BOTTOM 3' OF CORE RUN. | NX | MOTTLED REDDISH-BROWN TO GREEN LAMINATED SHALE. |

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| **BECKER ELECTRONICS** | 5048 | NYSDEC | 3 OF 3 |

| BORING #: | LOCATION: | START DATE: NOV. 16, 1990 0845<br>FINISH DATE: NOV. 27, 1990 0840 |
|---|---|---|
| MW-4 | EAST DURHAM, NY | |

| DRILLING COMPANY: | DRILLING RIG: | DRILLING METHOD: | SAMPLING METHOD: |
|---|---|---|---|
| HARDIMAN DRILLING | CME 55 | CORING | CORE BARREL |

| DRILLER: | GEOLOGIST: | GROUND SURFACE ELEVATION: |
|---|---|---|
| TOM HARDIMAN | DOUG BEAL | 486.22' MSL |

| DEPTH (FEET) | SAMPLE DEPTH | RUN # | RECOVERY % | RQD % | FRACTURES | SAMPLER TYPE | LITHOLOGY |
|---|---|---|---|---|---|---|---|
| 49<br>50<br>51<br>52<br>53 | 48'-53' | 7 | 92 % | 55 % | CLOSE TO MODERATELY CLOSE, FRACTURES APPEAR TO BE HEALED. | NX | REDDISH-BROWN SHALE. |
| 54<br>55<br>56<br>57<br>58 | 53'-58' | 8 | 106 % | 55 % | CLOSE TO MODERATELY CLOSE. | NX | REDDISH-BROWN SHALE BECOMING DARK GRAYISH GREEN SILTSTONE. GRADATIONAL LITHOLOGY CHANGE, APPROXIMATE LITHOLOGY CHANGE AT 56.5'. |
| 59<br>60<br>61<br>62<br>63<br>64 | 58'-64' | 9 | 92 % | 86 % | | NX | GREENISH GRAY SILTSTONE TO SHARP EROSIONAL CONTACT AT 63.25'. FROM 63.25'-64.16': REDDISH-BROWN SHALE. |
| 65<br>70 | | | | | | | END OF BORING AT 64.16' DEPTH. |

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| **BECKER ELECTRONICS** | 5048 | NYSDEC | 1 OF 3 |

| BORING #: | LOCATION: | START DATE: NOV. 20, 1990 1015<br>FINISH DATE: NOV. 27, 1990 1700 |
|---|---|---|
| MW-5 | EAST DURHAM, NY | |

| DRILLING COMPANY: | DRILLING RIG: | DRILLING METHOD: | SAMPLING METHOD: |
|---|---|---|---|
| HARDIMAN DRILLING | DEIDRICH 120 | WATER ROTARY | NX CORE BARREL |

| DRILLER: | GEOLOGIST: | GROUND SURFACE ELEVATION: |
|---|---|---|
| JOE DONER | ERIC SCHAPER | 486.31' MSL |

| DEPTH (FEET) | SAMPLE DEPTH | RUN # | RECOVERY % | RQD % | FRACTURES | SAMPLER TYPE | LITHOLOGY |
|---|---|---|---|---|---|---|---|
| 1–3 | | | | | | | ADVANCED BORING TO TOP OF BEDROCK WITHOUT SAMPLING.<br><br>TOP OF BEDROCK AT 3.5' DEPTH. |
| 4–13 | 3'-13' | 1 | 100 % | 83 % | MODERATELY CLOSE TO CLOSE. | NX | DARK GREEN TO GRAY SHALE. |
| 14–23 | 13'/23' | 2 | 98 % | 88 % | MODERATELY CLOSE TO CLOSE. | NX | MOTTLED REDDISH-BROWN TO LIGHT GREEN LAMINATED SHALE. |
| 24–25 | | | | | | | |

**METCALF & EDDY, INC.**

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| BORING #: | LOCATION: | START DATE: NOV. 20, 1990 1015<br>FINISH DATE: NOV. 27, 1990 1700 | |
|---|---|---|---|
| MW-5 | EAST DURHAM, NY | | |

| DRILLING COMPANY: | DRILLING RIG: | DRILLING METHOD: | SAMPLING METHOD: |
|---|---|---|---|
| HARDIMAN DRILLING | DEIDRICH 120 | WATER ROTARY | NX CORE BARREL |

| DRILLER: | GEOLOGIST: | GROUND SURFACE ELEVATION: |
|---|---|---|
| JOE DONER | ERIC SCHAPER | 486.31' MSL |

| DEPTH (FEET) | SAMPLE DEPTH | RUN # | RECOVERY % | RQD % | FRACTURES | SAMPLER TYPE | LITHOLOGY |
|---|---|---|---|---|---|---|---|
| 24–33 | 23'-33' | 3 | 98% | 87 % | CLOSE TO MODERATELY CLOSE HIGH ANGLE FRACTURES. | NX | MOTTLED REDDISH BROWN TO LIGHT GREEN LAMINATED SHALE. |
| 34–40 | 33'-39.8' | 4 | 103 % | 77 % | VERY CLOSE TO CLOSE HIGH ANGLE FRACTURES. | NX | MOTTLED REDDISH-BROWN TO LIGHT GREEN SHALE. |
| 41–49 | 39.8'-49.5' | 5 | 100 % | 84 % | CLOSELY TO MODERATELY CLOSE HIGH ANGLE FRACTURES. | NX | A MOTTLED REDDISH-BROWN TO LIGHT GREEN SHALE BECOMING A DARK GREYISH GREEN SILTSTONE. GRADATIONAL LITHOLOGY CHANGE OCCURS BETWEEN 47.2' AND 49'.4'. |

**METCALF & EDDY, INC.**

| SITE NAME: BECKER ELECTRONICS | JOB NUMBER 5048 | CLIENT: NYSDEC | PAGE 3 OF 3 |
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| BORING #: MW-5 | LOCATION: EAST DURHAM, NY | START DATE: NOV. 20, 1990 1015<br>FINISH DATE: NOV. 27, 1990 1700 | |
|---|---|---|---|
| DRILLING COMPANY: HARDIMAN DRILLING | DRILLING RIG: DEIDRICH 120 | DRILLING METHOD: WATER ROTARY | SAMPLING METHOD: NX CORE BARREL |
| DRILLER: JOE DONER | GEOLOGIST: ERIC SCHAPER | GROUND SURFACE ELEVATION: 486.31' MSL | |

| DEPTH (FEET) | SAMPLE DEPTH | RUN # | RECOVERY % | RQD % | FRACTURES | SAMPLER TYPE | LITHOLOGY |
|---|---|---|---|---|---|---|---|
| 50 | 49.5'-54.5' | 6 | 85 % | 27 % | CLOSE TO VERY CLOSE | NX | MOTTLED REDDISH-BROWN TO LIGHT GREEN SHALE. |
| 55 | 54.5'-64.1' | 7 | 104 % | 89 % | CLOSE TO MODERATELY CLOSE. | NX | MOTTLED REDDISH BROWN TO LIGHT GREEN SHALE. SHARP CONTACT AT 62'6" TO A DARK GRAYISH GREEN SILTSTONE. |
| 65 | 64.1'-70.1' | 8 | 93 % | 58 % | CLOSETO MODERATELY CLOSE. | NX | DARK GRAYISH GREEN SILTSTONE TO 69.5'. FROM 69.5' TO 70.1' REDDISH-BROWN SHALE. |
| 70 | | | | | | | END OF BORING AT 70.1' DEPTH. |
| 75 | | | | | | | |

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| SITE NAME: BECKER ELECTRONICS | JOB NUMBER 5048 | CLIENT: NYSDEC | PAGE 1 OF 3 |
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| BORING #: MW-6 | LOCATION: EAST DURHAM, NY | START DATE: NOV. 9, 1990 0845<br>FINISH DATE: DEC. 5, 1990 | |
|---|---|---|---|
| DRILLING COMPANY: HARDIMAN DRILLING | DRILLING RIG: DEIDRICH 120 | DRILLING METHOD: CORING | SAMPLING METHOD: CORE BARREL |
| DRILLER: JOE DONER | GEOLOGIST: ERIC SCHAPER | GROUND SURFACE ELEVATION: 486.22' MSL | |

| DEPTH (FEET) | SAMPLE DEPTH | RUN # | RECOVERY % | RQD % | FRACTURES | SAMPLER TYPE | LITHOLOGY |
|---|---|---|---|---|---|---|---|
| 1–17 | | | | | | | ADVANCED BORING TO TOP OF BEDROCK WITHOUT SAMPLING.<br><br>TOP OF BEDROCK AT 17.3' DEPTH. |
| 18–22 | 17.3'-22.3' | 1 | 97 % | 93 % | MODERATELY CLOSE, HIGH ANGLE FRACTURES | 5.5" DIA. | LIGHT GRAYISH GREEN SHALE. |
| 23–25 | 22.3'-27.3' | 2 | 68 % | 68 % | WIDE TO MODERATELY CLOSE. | 5.5" DIA. | SAME AS ABOVE. |

METCALF & EDDY, INC.

| SITE NAME: BECKER ELECTRONICS | JOB NUMBER 5048 | CLIENT: NYSDEC | PAGE 2 OF 3 |
|---|---|---|---|
| BORING #: MW-6 | LOCATION: EAST DURHAM, NY | START DATE: NOV. 9, 1990 0845<br>FINISH DATE: DEC. 5, 1990 | |
| DRILLING COMPANY: HARDIMAN DRILLING | DRILLING RIG: DEIDRICH 120 | DRILLING METHOD: CORING | SAMPLING METHOD: CORE BARREL |
| DRILLER: JOE DONER | GEOLOGIST: ERIC SCHAPER | GROUND SURFACE ELEVATION: 486.22' MSL | |

| DEPTH (FEET) | SAMPLE DEPTH | RUN # | RECOVERY % | RQD % | FRACTURES | SAMPLER TYPE | LITHOLOGY |
|---|---|---|---|---|---|---|---|
| 25 | | | | | | | |
| 26 | | | | | | | |
| 27 | | | | | | | |
| 28 | 27.3'-31' | 3 | 93 % | 82 % | MODERATELY CLOSE TO CLOSE. | 5.5" DIA. | REDDISH-BROWN SHALE. |
| 29 | | | | | | | |
| 30 | | | | | | | |
| 31 | | | | | | | |
| 32 | 31'-35.1' | 4 | 98 % | 88 % | MODERATELY CLOSE. | 5.5" DIA. | SAME AS ABOVE. |
| 33 | | | | | | | |
| 34 | | | | | | | |
| 35 | | | | | | | |
| 36 | 35.1'-38.5' | 5 | 100 % | 95 % | MODERATELY CLOSE. | 5.5" DIA. | SAME AS ABOVE. |
| 37 | | | | | | | |
| 38 | | | | | | | |
| 39 | 38.5'-41' | 6 | 47 % | 38 % | CLOSE. | 5.5" DIA. | MOTTLED REDDISH-BROWN SHALE TO GREEN SHALE. |
| 40 | | | | | | | |
| 41 | | | | | | | |
| 42 | | | | | | | ROLLER BIT FROM 41' TO 42'. |
| 43 | 42'-45' | 7 | 94 % | 94 % | CLOSE. | NX | SAME AS ABOVE. |
| 44 | | | | | | | |
| 45 | | | | | | | |
| 46 | 45'-50' | 8 | 97 % | 0 % | VERY CLOSE. | NX | REDDISH-BROWN TO GRAYISH-GREEN SHALE. LITHOLOGY CHANGE AT 46.4'. |
| 47 | | | | | | | |
| 48 | | | | | | | |
| 49 | | | | | | | |
| 50 | | | | | | | |

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| BORING #: | LOCATION: | START DATE: NOV. 9, 1990 0845<br>FINISH DATE: DEC. 5, 1990 |
|---|---|---|
| MW-6 | EAST DURHAM, NY | |

| DRILLING COMPANY: | DRILLING RIG: | DRILLING METHOD: | SAMPLING METHOD: |
|---|---|---|---|
| HARDIMAN DRILLING | DEIDRICH 120 | CORING | CORE BARREL |

| DRILLER: | GEOLOGIST: | GROUND SURFACE ELEVATION: |
|---|---|---|
| JOE DONER | ERIC SCHAPER | 486.22' MSL |

| DEPTH (FEET) | SAMPLE DEPTH | RUN # | RECOVERY % | RQD % | FRACTURES | SAMPLER TYPE | LITHOLOGY |
|---|---|---|---|---|---|---|---|
| 50 | 50'-55' | 9 | 95 % | 58 % | VERY CLOSE. | NX | GRAYISH-GREEN SHALE TO REDDISH-BROWN SHALE. LITHOLOGY CHANGE AT 50.8'. |
| 55 | 55'-60' | 10 | 110 % | 72 % | CLOSE TO VERY CLOSE. | NX | MOTTLED REDDISH-BROWN TO LIGHT GREEN SHALE. |
| 60 | 60'-65' | 11 | 93 % | 88 % | CLOSE TO VERY CLOSE. | NX | MOTTLED REDDISH-BROWN TO LIGHT GREEN SHALE. GREEN SILTSTONE ENCOUNTERED AT 63.1' DEPTH. |
| 65 | 65'-70' | 12 | 107 % | 100 % | MODERATELY CLOSE. | NX | GRAYISH-GREEN SILTSTONE. |
| 70 | 70'-75' | 13 | 97 % | 90 % | MODERATELY CLOSE TO CLOSE. | NX | GRAYISH-GREEN SILTSTONE FROM 70'-73', SHARP LITHOLOGY CHANGE AT 73' TO A REDDISH-BROWN SHALE. |
| 75 | | | | | | | |

**METCALF & EDDY, INC.**

# Appendix C

| GROUND WATER WELL INTALLATION | JOB NUMBER | CLIENT: | PAGE |
|---|---|---|---|
| SITE NAME: BECKER ELECTRONICS | 5048 | NYSDEC | 1 OF 1 |

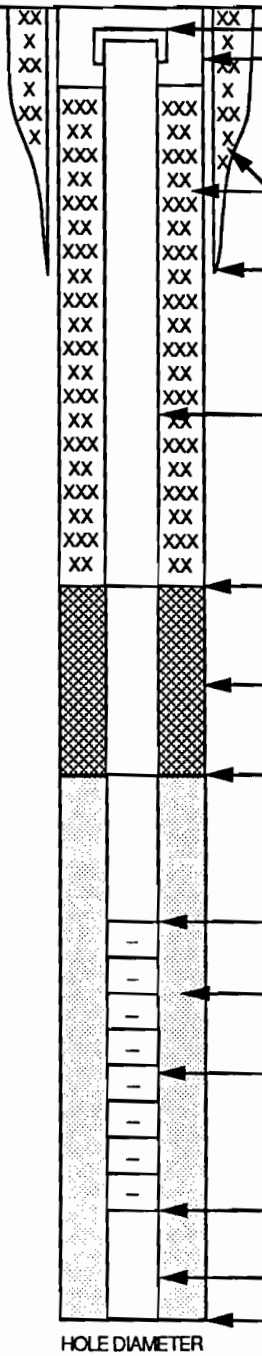
| BORING #: | LOCATION: | START DATE: NOV. 20, 1990<br>FINISH DATE: NOV. 20, 1990 |
|---|---|---|
| MW-2S | EAST DURHAM, NY | |

| DRILLING COMPANY: | DRILLING RIG: | DRILLING METHOD: | SAMPLING METHOD: |
|---|---|---|---|
| HARDIMAN DRILLING | CME 55 | HOLLOW STEM AUGER | |

| DRILLER: | GEOLOGIST: | GROUND SURFACE ELEVATION: |
|---|---|---|
| TOM HARDIMAN | DOUG BEAL | 487.39' MSL |

REFERENCE POINT & ELEVATION:

GENERALIZED GEOLOGIC LOG



| | DEPTH IN (ft) | ELEV. IN (ft-MSL) |
|---|---|---|
| GROUND SURFACE: | 0 | 487.39 |
| TOP OF RISER: | -0.35 | 487.04 |
| OUTER SURFACE CASING: DIA.: 8" CURB BOX TYPE: CONCRETE PROTECTIVE CASING (FLUSH MOUNT). | | |
| BACKFILL: TYPE : CEMENT/BENTONITE GROUT | | |
| BOTTOM OF SURFACE CASING | NA | NA |
| RISER CASING: DIA.: 2 INCH TYPE: STAINLESS STEEL | | |
| TOP OF SEAL | -3.30 | 484.09 |
| ANNULAR SEAL TYPE: 3/8" BENTONITE PELLETS | | |
| BOTTOM SEAL | -3.90 | 483.49 |
| TOP OF SCREEN | -4.12 | 483.27 |
| FILTER MATERIAL: SAND TYPE: MORIE # 2 | | |
| SCREEN: DIA: 2 INCH TYPE: STAINLESS STEEL OPENING WIDTH: 0.010 INCH TYPE: SLOT | | |
| BOTTOM OF SCREEN | – | – |
| BOTTOM OF SUMP | -7.35 | 480.04 |
| BOTTOM OF HOLE | -7.35 | 480.04 |

HOLE DIAMETER 4.5"

METHOD DEVELOPED:

TIME DEVELOPED:

**METCALF & EDDY, INC.**

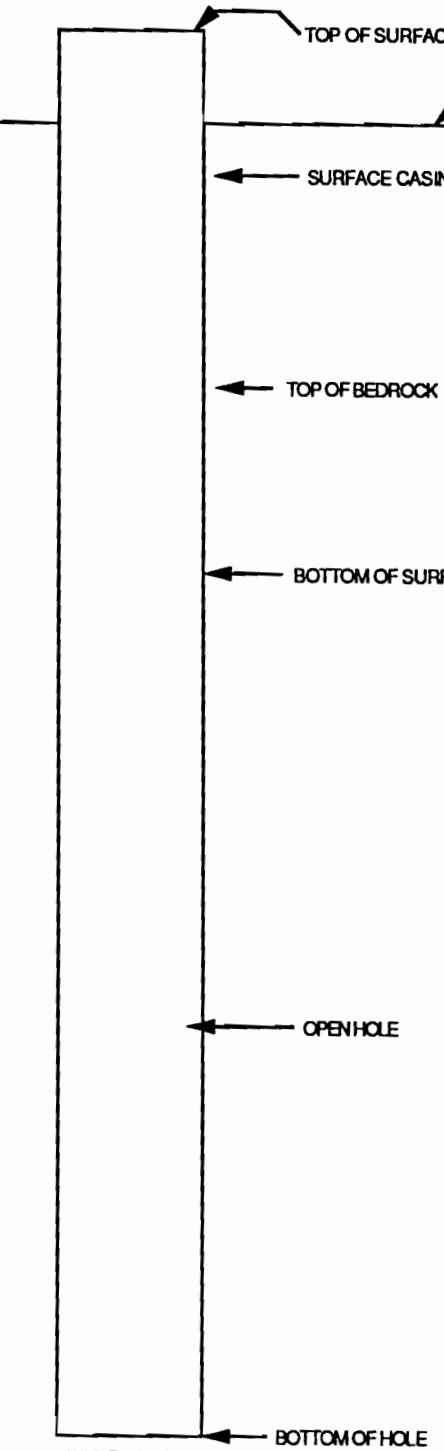
| GROUND WATER WELL INTALLATION | JOB NUMBER | CLIENT: | PAGE |
|---|---|---|---|
| SITE NAME: BECKER ELECTRONICS | 5048 | NYSDEC | 1 OF 1 |

| BORING #: | LOCATION: | START DATE: |
|---|---|---|
| BECKER #2 | EAST DURHAM, NY | FINISH DATE: |

| DRILLING COMPANY: | DRILLING RIG: | DRILLING METHOD: | SAMPLING METHOD: |
|---|---|---|---|
| | | | |

| DRILLER: | GEOLOGIST: | GROUND SURFACE ELEVATION: |
|---|---|---|
| | | 487.62' MSL |

REFERENCE POINT & ELEVATION:




| | DEPTH IN (ft) | ELEV. IN (ft-MSL) |
|---|---|---|
| TOP OF SURFACE CASING: | 1.84 | 489.46 |
| GROUND SURFACE: | 0 | 487.62 |
| TOP OF BEDROCK | - | - |
| BOTTOM OF SURFACE CASING | -65 | 422.62 |
| BOTTOM OF HOLE | -344.62 | 143.00 |

METHOD DEVELOPED:
SUBMERSIBLE PUMP
TIME DEVELOPED:

**METCALF & EDDY, INC.**

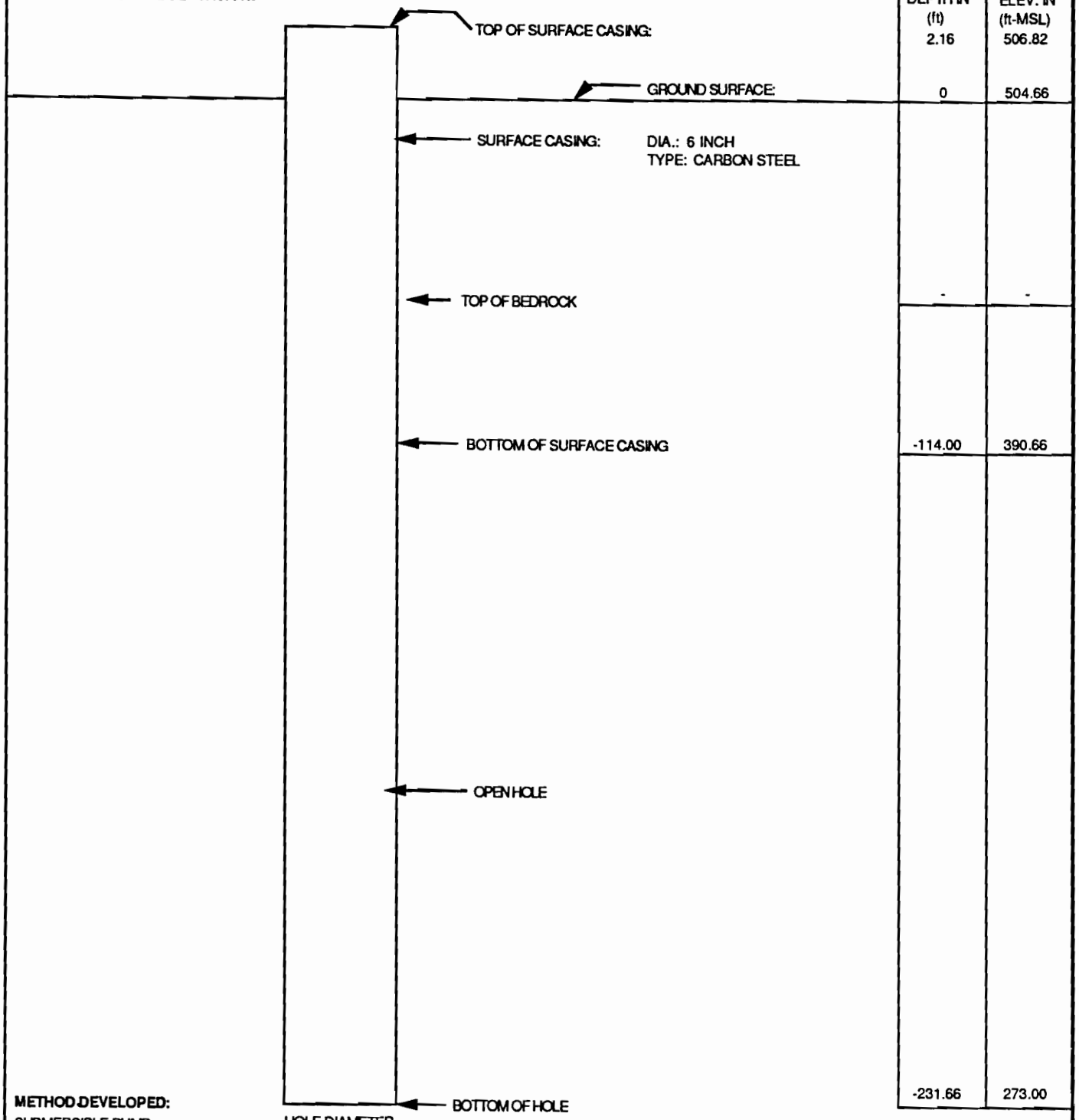
| GROUND WATER WELL INTALLATION | JOB NUMBER | CLIENT: | PAGE |
|---|---|---|---|
| SITE NAME: BECKER ELECTRONICS | 5048 | NYSDEC | 1 OF 1 |

| BORING #: | LOCATION: | START DATE: |
|---|---|---|
| BECKER #3 | EAST DURHAM, NY | FINISH DATE: |

| DRILLING COMPANY: | DRILLING RIG: | DRILLING METHOD: | SAMPLING METHOD: |
|---|---|---|---|
| | | | |

| DRILLER: | GEOLOGIST: | GROUND SURFACE ELEVATION: |
|---|---|---|
| | | 504.66' MSL |

REFERENCE POINT & ELEVATION:




| | DEPTH IN (ft) | ELEV. IN (ft-MSL) |
|---|---|---|
| TOP OF SURFACE CASING: | 2.16 | 506.82 |
| GROUND SURFACE: | 0 | 504.66 |
| TOP OF BEDROCK | - | - |
| BOTTOM OF SURFACE CASING | -114.00 | 390.66 |
| BOTTOM OF HOLE | -231.66 | 273.00 |

METHOD DEVELOPED:
SUBMERSIBLE PUMP
TIME DEVELOPED:

**METCALF & EDDY, INC.**

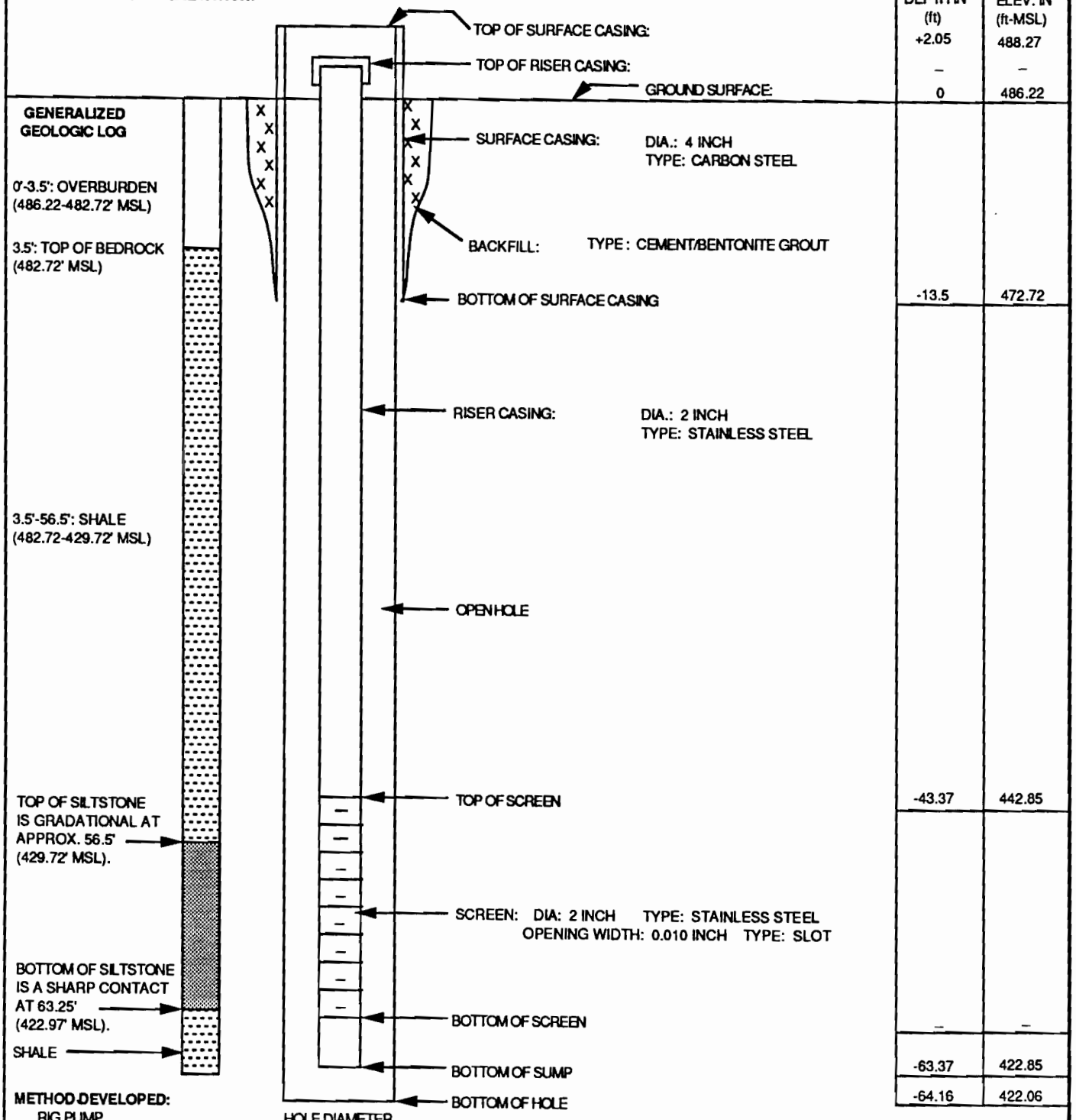
| GROUND WATER WELL INTALLATION | JOB NUMBER | CLIENT: | PAGE |
|---|---|---|---|
| SITE NAME: BECKER ELECTRONICS | 5048 | NYSDEC | 1 OF 1 |

| BORING #: | LOCATION: | START DATE: NOV. 16, 1990<br>FINISH DATE: NOV. 27, 1990 |
|---|---|---|
| MW-4 | EAST DURHAM, NY | |

| DRILLING COMPANY: | DRILLING RIG: | DRILLING METHOD: | SAMPLING METHOD: |
|---|---|---|---|
| HARDIMAN DRILLING | CME 55 | CORING | NX CORE BARREL |

| DRILLER: | GEOLOGIST: | GROUND SURFACE ELEVATION: |
|---|---|---|
| TOM HARDIMAN | DOUG BEAL | 486.22' MSL |

REFERENCE POINT & ELEVATION:




| | DEPTH IN (ft) | ELEV. IN (ft-MSL) |
|---|---|---|
| TOP OF SURFACE CASING: | +2.05 | 488.27 |
| TOP OF RISER CASING: | – | – |
| GROUND SURFACE: | 0 | 486.22 |
| BOTTOM OF SURFACE CASING | -13.5 | 472.72 |
| TOP OF SCREEN | -43.37 | 442.85 |
| BOTTOM OF SCREEN | – | – |
| BOTTOM OF SUMP | -63.37 | 422.85 |
| BOTTOM OF HOLE | -64.16 | 422.06 |

METHOD DEVELOPED:
RIG PUMP

TIME DEVELOPED:
1110-1145 ON 12/3/90

**METCALF & EDDY, INC.**

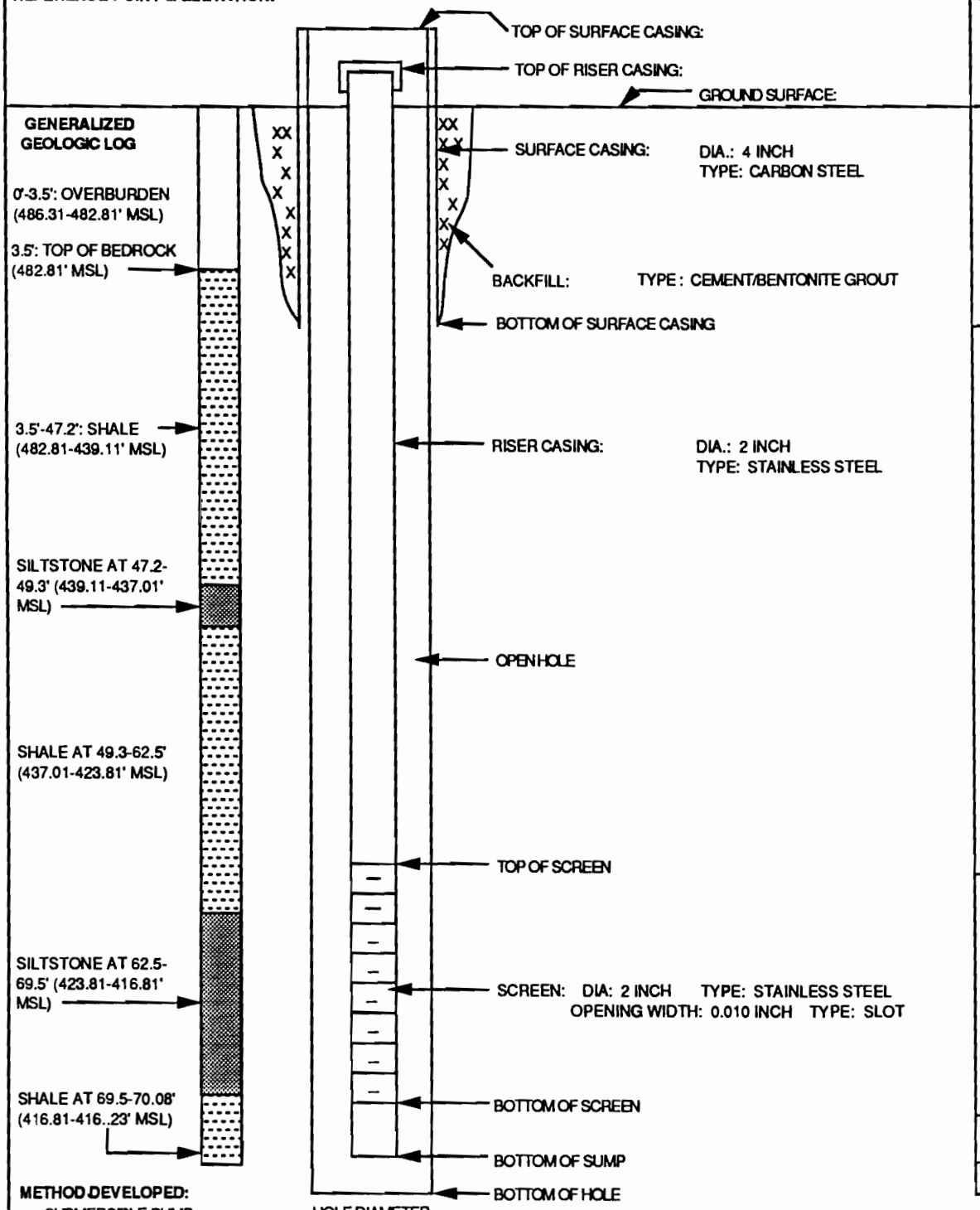
| GROUND WATER WELL INTALLATION | JOB NUMBER | CLIENT: | PAGE |
|---|---|---|---|
| SITE NAME: BECKER ELECTRONICS | 5048 | NYSDEC | 1 OF 1 |

| BORING #: | LOCATION: | START DATE: NOV. 20, 1990<br>FINISH DATE: NOV. 27, 1990 |
|---|---|---|
| MW-5 | EAST DURHAM, NY | |

| DRILLING COMPANY: | DRILLING RIG: | DRILLING METHOD: | SAMPLING METHOD: |
|---|---|---|---|
| HARDIMAN DRILLING | DEIDRICH 120 | CORING | NX CORE BARREL |

| DRILLER: | GEOLOGIST: | GROUND SURFACE ELEVATION: |
|---|---|---|
| JOE DONER | ERIC SCHAPER | 486.31' MSL |

REFERENCE POINT & ELEVATION:




| DEPTH IN (ft) | ELEV. IN (ft-MSL) |
|---|---|
| +3.26 | 489.57 |
| – | – |
| 0 | 486.31 |
| -13.35 | 472.96 |
| -49.06 | 437.25 |
| – | – |
| -69.06 | 417.25 |
| -70.08 | 416.23 |

METHOD DEVELOPED: SUBMERSIBLE PUMP

TIME DEVELOPED:

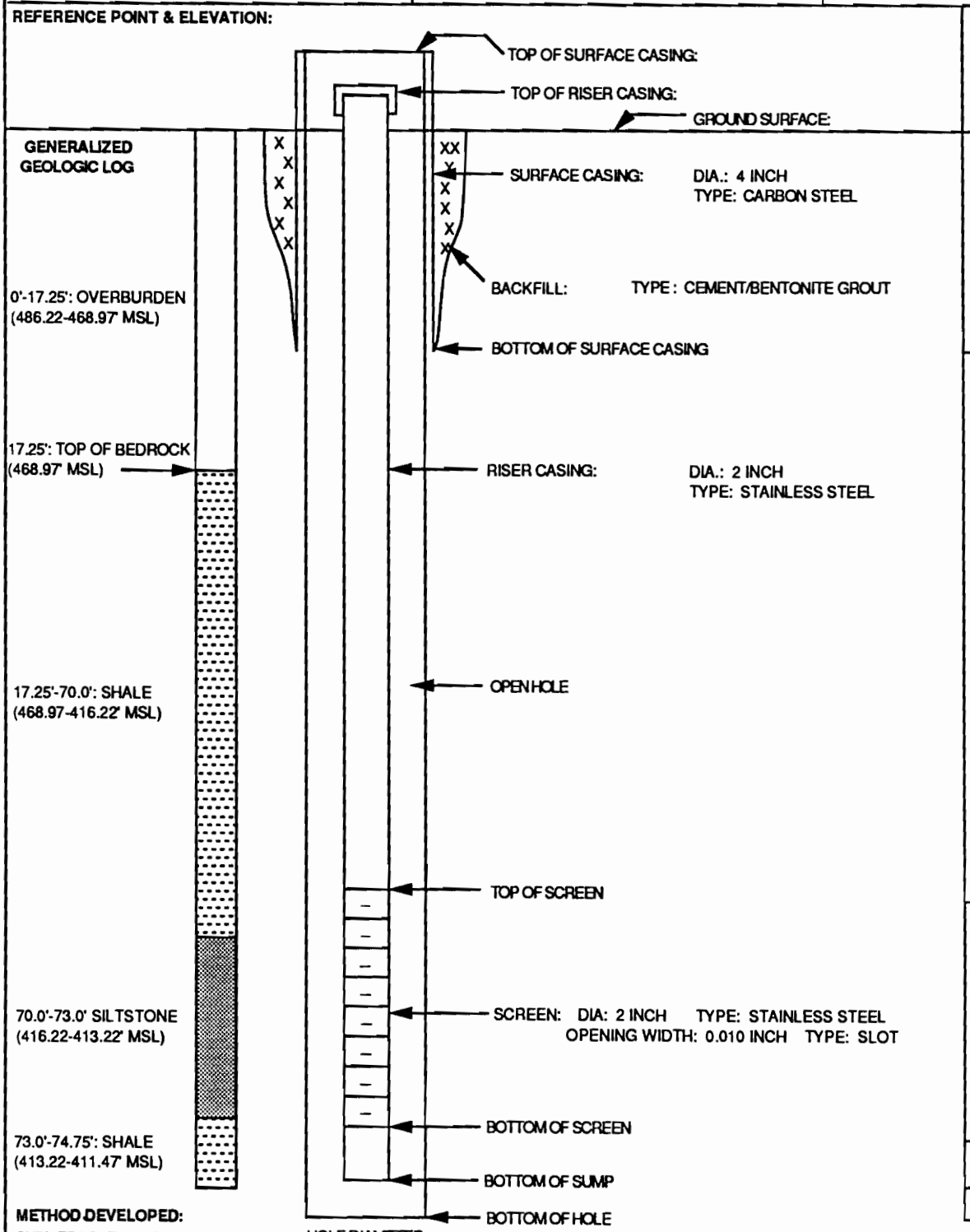
**METCALF & EDDY, INC.**

| GROUND WATER WELL INTALLATION | JOB NUMBER | CLIENT: | PAGE |
|---|---|---|---|
| SITE NAME: BECKER ELECTRONICS | 5048 | NYSDEC | 1 OF 1 |

| BORING #: | LOCATION: | START DATE: NOV. 8, 1990<br>FINISH DATE: DEC. 5, 1990 |
|---|---|---|
| MW-6 | EAST DURHAM, NY | |

| DRILLING COMPANY: | DRILLING RIG: | DRILLING METHOD: | SAMPLING METHOD: |
|---|---|---|---|
| HARDIMAN DRILLING | DEIDRICH 120 | CORING | CORE BARREL |

| DRILLER: | GEOLOGIST: | GROUND SURFACE ELEVATION: |
|---|---|---|
| JOE DONER | ERIC SCHAPER | 486.22' MSL |




| | DEPTH IN (ft) | ELEV. IN (ft-MSL) |
|---|---|---|
| TOP OF SURFACE CASING: | +2.53 | 488.75 |
| TOP OF RISER CASING: | – | – |
| GROUND SURFACE: | 0 | 486.22 |
| BOTTOM OF SURFACE CASING | -17.25 | 468.97 |
| TOP OF SCREEN | -52.24 | 433.98 |
| BOTTOM OF SCREEN | – | – |
| BOTTOM OF SUMP | -72.24 | 413.98 |
| BOTTOM OF HOLE | -74.75 | 411.47 |

**METCALF & EDDY, INC.**

# Appendix D

# RECORD OF PACKER TEST

| | | | |
|---|---|---|---|
| BORING NO. | MW-4 | ACCT. ABBR. | Becker Electronics |
| DIAMETER OF BORING | NX 3" | ACCT. NO. | 005048 |
| DEPTH OF BORING | 64.16' from grade 422.06'MSL | TYPE OF PACKER | 5' dual |
| DEPTH OF GROUNDWATER | 12.69' from grade 473.53'MSL | INSPECTOR | D. Beal |

| TIME PERIOD (MIN.) | DEPTH TEST ZONE (FT.) GRADE | LENGTH TEST ZONE (FT.) | WATER READINGS | | TOTAL FLOW (GALS.) | FLOW PER MIN. | GAGE PRESS. (psi) | GAGE HEIGHT (FT.) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| | | | START (GALS.) | FINISH (GALS.) | | | | | |
| 1 | 16.5-21.5 | 5 | 3379 | 3381.5 | 2.5 | 2.5 | 8.15 | 3.50 | 5 psi > ambient |
| 2 | 16.5-21.5 | 5 | 3381.5 | 3384.0 | 5.0 | 2.5 | 8.15 | 3.50 | |
| 3 | 16.5-21.5 | 5 | 3384.0 | 3386.5 | 7.5 | 2.5 | 8.15 | 3.50 | |
| 4 | 16.5-21.5 | 5 | 3386.5 | 3388.7 | 9.7 | 2.2 | 8.15 | 3.50 | |
| 5 | 16.5-21.5 | 5 | 3388.7 | 3390.8 | 11.8 | 2.1 | 8.15 | 3.50 | |
| | | | | | | | | | |
| 1 | 16.5-21.5 | 5 | 3415.3 | 3416.3 | 1.0 | 1.0 | 13.15 | 3.50 | 10 psi > ambient |
| 2 | 16.5-21.5 | 5 | 3416.3 | 3417.6 | 2.3 | 1.3 | 13.15 | 3.50 | |
| 3 | 16.5-21.5 | 5 | 3417.6 | 3419.2 | 24.6 | 1.6 | 13.15 | 3.50 | |
| 4 | 16.5-21.5 | 5 | 3419.2 | 3420.2 | 25.6 | 1.0 | 13.15 | 3.50 | |
| 5 | 16.5-21.5 | 5 | 3420.2 | 3420.2 | 25.6 | 0.0 | 13.15 | 3.50 | flow stopped |
| 6 | 16.5-21.5 | 5 | 3420.2 | 3420.2 | 25.6 | 0.0 | 13.15 | 3.50 | |
| 7 | 16.5-21.5 | 5 | 3420.2 | 3420.2 | 25.6 | 0.0 | 13.15 | 3.50 | |
| 8 | 16.5-21.5 | 5 | 3420.2 | 3420.2 | 25.6 | 0.0 | 13.15 | 3.50 | |
| 9 | 16.5-21.5 | 5 | 3420.2 | 3420.2 | 25.6 | 0.0 | 13.15 | 3.50 | |
| 10 | 16.5-21.5 | 5 | 3420.2 | 3420.2 | 25.6 | 0.0 | 13.15 | 3.50 | |
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# RECORD OF PACKER TEST

| | | | |
|---|---|---|---|
| BORING NO. | MW-4 | ACCT. ABBR. | Becker Electronics |
| DIAMETER OF BORING | NX (3") | ACCT. NO. | 005048 |
| DEPTH OF BORING | 64.16' from grade 422.06'MSL | TYPE OF PACKER | 5' dual |
| DEPTH OF GROUNDWATER | 12.69' from grade 473.53'MSL | INSPECTOR | D. Beal |

| TIME PERIOD (MIN.) | DEPTH TEST ZONE (FT.) GRADE | LENGTH TEST ZONE (FT.) | WATER READINGS | | TOTAL FLOW (GALS.) | FLOW PER MIN. | GAGE PRESS. (psi) | GAGE HEIGHT (FT.) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| | | | START (GALS.) | FINISH (GALS.) | | | | | |
| 1 | 16.5-2.15 | 5 | 3420.3 | 3420.3 | 0.0 | 0.1 | 18.15 | 3.50 | 15 psi > ambient No flow |
| 2 | 16.5-21.5 | 5 | 3420.3 | 3420.3 | 0.0 | 0.0 | 18.15 | 3.50 | |
| 3 | 16.5-21.5 | 5 | 3420.3 | 3420.3 | 0.0 | 0.0 | 18.15 | 3.50 | |
| 4 | 16.5-21.5 | 5 | 3420.3 | 3420.3 | 0.0 | 0.0 | 18.15 | 3.50 | |
| 5 | 16.5-21.5 | 5 | 3420.3 | 3420.3 | 0.0 | 0.0 | 18.15 | 3.50 | |
| | | | | | | | | | |
| 1 | 16.5-21.5 | 5 | 3420.4 | 3420.4 | 0.0 | 0.0 | 8.15 | 3.50 | 5 psi > ambient No flow |
| 2 | 16.5-21.5 | 5 | 3420.4 | 3420.4 | 0.0 | 0.0 | 8.15 | 3.50 | |
| 3 | 16.5-21.5 | 5 | 3420.4 | 3420.4 | 0.0 | 0.0 | 8.15 | 3.50 | |
| 4 | 16.5-21.5 | 5 | 3420.4 | 3420.4 | 0.0 | 0.0 | 8.15 | 3.50 | |
| 5 | 16.5-21.5 | 5 | 3420.4 | 3420.4 | 0.0 | 0.0 | 8.15 | 3.50 | |
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# RECORD OF PACKER TEST

| | | | |
|---|---|---|---|
| BORING NO. | MW-4 | ACCT. ABBR. | Becker Electronics |
| DIAMETER OF BORING | NX 3" | ACCT. NO. | 005048 |
| DEPTH OF BORING | 64.16' from grade - 422.06'MSL | TYPE OF PACKER | 5' dual |
| DEPTH OF GROUNDWATER | 12.69' from grade - 473.53'MSL | INSPECTOR | D. Beal |

| TIME PERIOD (MIN.) | DEPTH TEST ZONE (FT.) GRADE | LENGTH TEST ZONE (FT.) | WATER READINGS | | TOTAL FLOW (GALS.) | FLOW PER MIN. | GAGE PRESS. (psi) | GAGE HEIGHT (FT.) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| | | | START (GALS.) | FINISH (GALS.) | | | | | |
| 1 | 21.5-26.5 | 5 | 3420.6 | 3420.6 | 0.0 | 0.0 | 10.5 | 3.66 | 5 psi > ambient No flow |
| 2 | 21.5-26.5 | 5 | 3420.6 | 3420.6 | 0.0 | 0.0 | 10.5 | 3.66 | |
| 3 | 21.5-26.5 | 5 | 3420.6 | 3420.6 | 0.0 | 0.0 | 10.5 | 3.66 | |
| 4 | 21.5-26.5 | 5 | 3420.6 | 3420.6 | 0.0 | 0.0 | 10.5 | 3.66 | |
| 5 | 21.5-26.5 | 5 | 3420.6 | 3420.6 | 0.0 | 0.0 | 10.5 | 3.66 | |
| | | | | | | | | | |
| 1 | 21.5-26.5 | 5 | 3420.6 | 3420.6 | 0.0 | 0.0 | 15.5 | 3.66 | 10 psi > ambient No flow |
| 2 | 21.5-26.5 | 5 | 3420.6 | 3420.6 | 0.0 | 0.0 | 15.5 | 3.66 | |
| 3 | 21.5-26.5 | 5 | 3420.6 | 3420.6 | 0.0 | 0.0 | 15.5 | 3.66 | |
| 4 | 21.5-26.5 | 5 | 3420.6 | 3420.6 | 0.0 | 0.0 | 15.5 | 3.66 | |
| 5 | 21.5-26.5 | 5 | 3420.6 | 3420.6 | 0.0 | 0.0 | 15.5 | 3.66 | |
| | | | | | | | | | |
| 1 | 21.5-26.5 | 5 | 3420.6 | 3420.6 | 0.0 | 0.0 | 20.5 | 3.66 | 15 psi > ambient No flow |
| 2 | 21.5-26.5 | 5 | 3420.6 | 3420.6 | 0.0 | 0.0 | 20.5 | 3.66 | |
| 3 | 21.5-26.5 | 5 | 3420.6 | 3420.6 | 0.0 | 0.0 | 20.5 | 3.66 | |
| 4 | 21.5-26.5 | 5 | 3420.6 | 3420.6 | 0.0 | 0.0 | 20.5 | 3.66 | |
| 5 | 21.5-26.5 | 5 | 3420.6 | 3420.6 | 0.0 | 0.0 | 20.5 | 3.66 | |
| | | | | | | | | | |
| 1 | 21.5-26.5 | 5 | 3420.6 | 3420.6 | 0.0 | 0.0 | 10.5 | 3.66 | 5 psi > ambient No flow |
| 2 | 21.5-26.5 | 5 | 3420.6 | 3420.6 | 0.0 | 0.0 | 10.5 | 3.66 | |
| 3 | 21.5-26.5 | 5 | 3420.6 | 3420.6 | 0.0 | 0.0 | 10.5 | 3.66 | |

# RECORD OF PACKER TEST

| | | | |
|---|---|---|---|
| BORING NO. | MW-4 | ACCT. ABBR. | Becker Electronics |
| DIAMETER OF BORING | NX 3" | ACCT. NO. | 005048 |
| DEPTH OF BORING | 64.15' from grade - 422.06'MSL | TYPE OF PACKER | 5' dual |
| DEPTH OF GROUNDWATER | 12.69' from grade - 473.53'MSL | INSPECTOR | D. Beal |

| TIME PERIOD (MIN.) | DEPTH TEST ZONE (FT.) GRADE | LENGTH TEST ZONE (FT.) | WATER READINGS | | TOTAL FLOW (GALS.) | FLOW PER MIN. | GAGE PRESS. (psi) | GAGE HEIGHT (FT.) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| | | | START (GALS.) | FINISH (GALS.) | | | | | |
| 4 | 21.5-26.5 | 5 | 3420.6 | 3420.6 | 0.0 | 0.0 | 10.5 | 3.66 | |
| 5 | 21.5-26.5 | 5 | 3420.6 | 3420.6 | 0.0 | 0.0 | 10.5 | 3.66 | |
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# RECORD OF PACKER TEST

| | | | |
|---|---|---|---|
| BORING NO. | MW-4 | ACCT. ABBR. | Becker Electronics |
| DIAMETER OF BORING | NX 3" | ACCT. NO. | 005048 |
| DEPTH OF BORING | 64.16' from grade - 422.06'MSL | TYPE OF PACKER | 5' dual |
| DEPTH OF GROUNDWATER | 12.69' from grade - 473.53'MSL | INSPECTOR | D. Beal |

| TIME PERIOD (MIN.) | DEPTH TEST ZONE (FT.) GRADE | LENGTH TEST ZONE (FT.) | WATER READINGS | | TOTAL FLOW (GALS.) | FLOW PER MIN. | GAGE PRESS. (psi) | GAGE HEIGHT (FT.) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| | | | START (GALS.) | FINISH (GALS.) | | | | | |
| 1 | 26.5-31.5 | 5 | 3436.0 | 3451.2 | 15.2 | 15.2 | 13 | 3.92 | 5 psi > ambient |
| 2 | 26.5-31.5 | 5 | 3451.2 | 3466.7 | 30.7 | 15.5 | 13 | 3.92 | |
| 3 | 26.5-31.5 | 5 | 3466.7 | 3482.4 | 46.4 | 15.7 | 13 | 3.92 | |
| 4 | 26.5-31.5 | 5 | 3482.4 | 3498.0 | 62.0 | 15.6 | 13 | 3.92 | |
| 5 | 26.5-31.5 | 5 | 3498.0 | 3513.7 | 77.7 | 15.7 | 13 | 3.92 | |
| | | | | | | | | | |
| 1 | 26.5-31.5 | 5 | 3544.0 | 3561.6 | 17.6 | 17.6 | 18 | 3.92 | 10 psi > ambient |
| 2 | 26.5-31.5 | 5 | 3561.6 | 3579.3 | 35.3 | 17.7 | 18 | 3.92 | |
| 3 | 26.5-31.5 | 5 | 3579.3 | 3597.2 | 53.2 | 17.9 | 18 | 3.92 | |
| 4 | 26.5-31.5 | 5 | 3597.2 | 3615.3 | 71.3 | 18.1 | 18 | 3.92 | |
| 5 | 26.5-31.5 | 5 | 3615.3 | 3633.3 | 89.3 | 18.0 | 18 | 3.92 | |
| 6 | 26.5-31.5 | 5 | 3633.3 | 3652.0 | 108.0 | 18.7 | 18 | 3.92 | |
| 7 | 26.5-31.5 | 5 | 3652.0 | 3670.8 | 126.8 | 18.8 | 18 | 3.92 | |
| 8 | 26.5-31.5 | 5 | 3670.8 | 3689.3 | 145.3 | 18.5 | 18 | 3.92 | |
| 9 | 26.5-31.5 | 5 | 3689.3 | 3708.7 | 164.7 | 19.4 | 18 | 3.92 | |
| 10 | 26.5-31.5 | 5 | 3708.7 | 3727.7 | 183.7 | 19.0 | 18 | 3.92 | |
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# RECORD OF PACKER TEST

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|---|---|---|---|
| BORING NO. | MW-4 | ACCT. ABBR. | Becker Electronics |
| DIAMETER OF BORING | NX 3" | ACCT. NO. | 005048 |
| DEPTH OF BORING | 64.16' from grade - 422.06'MSL | TYPE OF PACKER | 5' dual |
| DEPTH OF GROUNDWATER | 12.69' from grade - 473.53'MSL | INSPECTOR | D. Beal |

| TIME PERIOD (MIN.) | DEPTH TEST ZONE (FT.) GRADE | LENGTH TEST ZONE (FT.) | WATER READINGS | | TOTAL FLOW (GALS.) | FLOW PER MIN. | GAGE PRESS. (psi) | GAGE HEIGHT (FT.) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| | | | START (GALS.) | FINISH (GALS.) | | | | | |
| 1 | 26.5-31.5 | 5 | 3744.0 | 3765.7 | 21.7 | 21.7 | 23 | 3.92 | 15 psi > ambient |
| 2 | 26.5-31.5 | 5 | 3765.7 | 3787.2 | 43.2 | 21.5 | 23 | 3.92 | |
| 3 | 26.5-31.5 | 5 | 3787.2 | 3809.4 | 65.4 | 22.2 | 23 | 3.92 | |
| 4 | 26.5-31.5 | 5 | 3809.4 | 3831.7 | 87.7 | 22.3 | 23 | 3.92 | |
| 5 | 26.5-31.5 | 5 | 3831.7 | 3853.2 | 109.2 | 21.5 | 23 | 3.92 | |
| 6 | 26.5-31.5 | 5 | 3853.2 | 3875.3 | 131.3 | 22.1 | 23 | 3.92 | |
| 7 | 26.5-31.5 | 5 | 3875.5 | 3897.5 | 153.5 | 22.2 | 23 | 3.92 | |
| 8 | 26.5-31.5 | 5 | 3897.5 | 3919.9 | 175.9 | 22.4 | 23 | 3.92 | |
| 9 | 26.5-31.5 | 5 | 3919.9 | 3942.2 | 198.2 | 22.3 | 23 | 3.92 | |
| 10 | 26.5-31.5 | 5 | 3942.2 | 3965.1 | 221.1 | 22.9 | 23 | 3.92 | |
| | | | | | | | | | |
| 1 | 26.5-31.5 | 5 | 3977.0 | 3997.3 | 20.3 | 20.3 | 13 | 3.92 | 5 psi > ambient |
| 2 | 26.5-31.5 | 5 | 3997.3 | 4017.3 | 40.3 | 20.0 | 13 | 3.92 | |
| 3 | 26.5-31.5 | 5 | 4017.3 | 4037.3 | 60.3 | 20.0 | 13 | 3.92 | |
| 4 | 26.5-31.5 | 5 | 4037.3 | 4057.3 | 80.3 | 20.0 | 13 | 3.92 | |
| 5 | 26.5-31.5 | 5 | 4057.3 | 4077.2 | 100.2 | 19.9 | 13 | 3.92 | |
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# RECORD OF PACKER TEST

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|---|---|---|---|
| BORING NO. | MW-4 | ACCT. ABBR. | Becker Electronics |
| DIAMETER OF BORING | NX 3" | ACCT. NO. | 005048 |
| DEPTH OF BORING | 64.16' from grade - 422.06'MSL | TYPE OF PACKER | 5' dual |
| DEPTH OF GROUNDWATER | 12.69' from grade - 473.53'MSL | INSPECTOR | D. Beal |

| TIME PERIOD (MIN.) | DEPTH TEST ZONE (FT.) GRADE | LENGTH TEST ZONE (FT.) | WATER READINGS | | TOTAL FLOW (GALS.) | FLOW PER MIN. | GAGE PRESS. (psi) | GAGE HEIGHT (FT.) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| | | | START (GALS.) | FINISH (GALS.) | | | | | |
| 1 | 31.5-36.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 15.5 | 2.25 | 5 psi > ambient |
| 2 | 31.5-36.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 15.5 | 2.25 | |
| 3 | 31.5-36.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 15.5 | 2.25 | |
| 4 | 31.5-36.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 15.5 | 2.25 | |
| 5 | 31.5-36.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 15.5 | 2.25 | |
| | | | | | | | | | |
| 1 | 31.5-36.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 20.5 | 2.25 | 10 psi > ambient |
| 2 | 31.5-36.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 20.5 | 2.25 | |
| 3 | 31.5-36.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 20.5 | 2.25 | |
| 4 | 31.5-36.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 20.5 | 2.25 | |
| 5 | 31.5-36.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 20.5 | 2.25 | |
| | | | | | | | | | |
| 1 | 31.5-36.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 25.5 | 2.25 | 15 psi > ambient |
| 2 | 31.5-36.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 25.5 | 2.25 | |
| 3 | 31.5-36.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 25.5 | 2.25 | |
| 4 | 31.5-36.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 25.5 | 2.25 | |
| 5 | 31.5-36.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 25.5 | 2.25 | |
| | | | | | | | | | |
| 1 | 31.5-36.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 15.5 | 2.25 | 5 psi > ambient |
| 2 | 31.5-36.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 15.5 | 2.25 | |
| 3 | 31.5-36.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 15.5 | 2.25 | |

# RECORD OF PACKER TEST

| | | | |
|---|---|---|---|
| BORING NO. | MW-4 | ACCT. ABBR. | Becker Electronics |
| DIAMETER OF BORING | NX 3" | ACCT. NO. | 005048 |
| DEPTH OF BORING | 64.16' from grade - 422.06'MSL | TYPE OF PACKER | 5' dual |
| DEPTH OF GROUNDWATER | 12.69' from grade - 473.53'MSL | INSPECTOR | D. Beal |

| TIME PERIOD (MIN.) | DEPTH TEST ZONE (FT.) GRADE | LENGTH TEST ZONE (FT.) | WATER READINGS | | TOTAL FLOW (GALS.) | FLOW PER MIN. | GAGE PRESS. (psi) | GAGE HEIGHT (FT.) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| | | | START (GALS.) | FINISH (GALS.) | | | | | |
| 4 | 31.5-36.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 15.5 | 2.25 | |
| 5 | 31.5-36.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 15.5 | 2.25 | |
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# RECORD OF PACKER TEST

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|---|---|---|---|
| BORING NO. | MW-4 | ACCT. ABBR. | Becker Electronics |
| DIAMETER OF BORING | NX 3" | ACCT. NO. | 005048 |
| DEPTH OF BORING | 64.16' from grade - 422.06'MSL | TYPE OF PACKER | 5' dual |
| DEPTH OF GROUNDWATER | 12.69' from grade - 473.53'MSL | INSPECTOR | D. Beal |

| TIME PERIOD (MIN.) | DEPTH TEST ZONE (FT.) GRADE | LENGTH TEST ZONE (FT.) | WATER READINGS | | TOTAL FLOW (GALS.) | FLOW PER MIN. | GAGE PRESS. (psi) | GAGE HEIGHT (FT.) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| | | | START (GALS.) | FINISH (GALS.) | | | | | |
| 1 | 36.5-41.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 18 | 2.33 | 5 psi > ambient No flow |
| 2 | 36.5-41.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 18 | 2.33 | |
| 3 | 36.5-41.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 18 | 2.33 | |
| 4 | 36.5-41.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 18 | 2.33 | |
| 5 | 36.5-41.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 18 | 2.33 | |
| | | | | | | | | | |
| 1 | 36.5-41.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 23 | 2.33 | 10 psi > ambient No flow |
| 2 | 36.5-41.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 23 | 2.33 | |
| 3 | 36.5-41.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 23 | 2.33 | |
| 4 | 36.5-41.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 23 | 2.33 | |
| 5 | 36.5-41.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 23 | 2.33 | |
| | | | | | | | | | |
| 1 | 36.5-41.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 28 | 2.33 | 15 psi > ambient No flow |
| 2 | 36.5-41.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 28 | 2.33 | |
| 3 | 36.5-41.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 28 | 2.33 | |
| 4 | 36.5-41.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 28 | 2.33 | |
| 5 | 36.5-41.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 28 | 2.33 | |
| | | | | | | | | | |
| 1 | 36.5-41.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 18 | 2.33 | 5 psi > ambient No flow |
| 2 | 36.5-41.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 18 | 2.33 | |
| 3 | 36.5-41.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 18 | 2.33 | |

# RECORD OF PACKER TEST

| | | | |
|---|---|---|---|
| BORING NO. | MW-4 | ACCT. ABBR. | Becker Electronics |
| DIAMETER OF BORING | NX 3" | ACCT. NO. | 005048 |
| DEPTH OF BORING | 64.16' from grade - 422.06'MSL | TYPE OF PACKER | 5' dual |
| DEPTH OF GROUNDWATER | 12.69' from grade - 473.53'MSL | INSPECTOR | D. Beal |

| TIME PERIOD (MIN.) | DEPTH TEST ZONE (FT.) GRADE | LENGTH TEST ZONE (FT.) | WATER READINGS | | TOTAL FLOW (GALS.) | FLOW PER MIN. | GAGE PRESS. (psi) | GAGE HEIGHT (FT.) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| | | | START (GALS.) | FINISH (GALS.) | | | | | |
| 4 | 36.5-41.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 18 | 2.33 | |
| 5 | 36.5-41.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 18 | 2.33 | |
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# RECORD OF PACKER TEST

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|---|---|---|---|
| BORING NO. | MW-4 | ACCT. ABBR. | Becker Electronics |
| DIAMETER OF BORING | NX 3" | ACCT. NO. | 005048 |
| DEPTH OF BORING | 64.16' from grade - 422.06'MSL | TYPE OF PACKER | 5' dual |
| DEPTH OF GROUNDWATER | 12.69' from grade - 473.53'MSL | INSPECTOR | D. Beal |

| TIME PERIOD (MIN.) | DEPTH TEST ZONE (FT.) GRADE | LENGTH TEST ZONE (FT.) | WATER READINGS | | TOTAL FLOW (GALS.) | FLOW PER MIN. | GAGE PRESS. (psi) | GAGE HEIGHT (FT.) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| | | | START (GALS.) | FINISH (GALS.) | | | | | |
| 1 | 41.5-46.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 20.5 | 2.58 | 5 psi > ambient No flow |
| 2 | 41.5-46.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 20.5 | 2.58 | |
| 3 | 41.5-46.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 20.5 | 2.58 | |
| 4 | 41.5-46.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 20.5 | 2.58 | |
| 5 | 41.5-46.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 20.5 | 2.58 | |
| | | | | | | | | | |
| 1 | 41.5-46.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 25.5 | 2.58 | 10 psi > ambient No flow |
| 2 | 41.5-46.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 25.5 | 2.58 | |
| 3 | 41.5-46.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 25.5 | 2.58 | |
| 4 | 41.5-46.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 25.5 | 2.58 | |
| 5 | 41.5-46.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 25.5 | 2.58 | |
| | | | | | | | | | |
| 1 | 41.5-46.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 30.5 | 2.58 | 15 psi > ambient No flow |
| 2 | 41.5-46.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 30.5 | 2.58 | |
| 3 | 41.5-46.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 30.5 | 2.58 | |
| 4 | 41.5-46.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 30.5 | 2.58 | |
| 5 | 41.5-46.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 30.5 | 2.58 | |
| | | | | | | | | | |
| 1 | 41.5-46.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 20.5 | 2.58 | 5 psi > ambient No Flow |
| 2 | 41.5-46.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 20.5 | 2.58 | |
| 3 | 41.5-46.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 20.5 | 2.58 | |

# RECORD OF PACKER TEST

| | | | |
|---|---|---|---|
| BORING NO. | MW-4 | ACCT. ABBR. | Becker Electronics |
| DIAMETER OF BORING | NX 3" | ACCT. NO. | 005048 |
| DEPTH OF BORING | 64.16' from grade - 422.06'MSL | TYPE OF PACKER | 5' dual |
| DEPTH OF GROUNDWATER | 12.69' from grade - 473.53'MSL | INSPECTOR | D. Beal |

| TIME PERIOD (MIN.) | DEPTH TEST ZONE (FT.) GRADE | LENGTH TEST ZONE (FT.) | WATER READINGS | | TOTAL FLOW (GALS.) | FLOW PER MIN. | GAGE PRESS. (psi) | GAGE HEIGHT (FT.) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| | | | START (GALS.) | FINISH (GALS.) | | | | | |
| 4 | 41.5-46.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 20.5 | 2.58 | |
| 5 | 41.5-46.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 20.5 | 2.58 | |
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# RECORD OF PACKER TEST

| | | | |
|---|---|---|---|
| BORING NO. | MW-4 | ACCT. ABBR. | Becker Electronics |
| DIAMETER OF BORING | NX 3" | ACCT. NO. | 005048 |
| DEPTH OF BORING | 64.16' from grade - 422.06'MSL | TYPE OF PACKER | 5' dual |
| DEPTH OF GROUNDWATER | 12.69' from grade - 473.53'MSL | INSPECTOR | D. Beal |

| TIME PERIOD (MIN.) | DEPTH TEST ZONE (FT.) GRADE | LENGTH TEST ZONE (FT.) | WATER READINGS | | TOTAL FLOW (GALS.) | FLOW PER MIN. | GAGE PRESS. (psi) | GAGE HEIGHT (FT.) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| | | | START (GALS.) | FINISH (GALS.) | | | | | |
| 1 | 46.5-51.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 23 | 2.75 | 5 psi > ambient No flow |
| 2 | 46.5-51.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 23 | 2.75 | |
| 3 | 46.5-51.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 23 | 2.75 | |
| 4 | 46.5-51.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 23 | 2.75 | |
| 5 | 46.5-51.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 23 | 2.75 | |
| | | | | | | | | | |
| 1 | 46.5-51.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 28 | 2.75 | 10 psi > ambient No flow |
| 2 | 46.5-51.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 28 | 2.75 | |
| 3 | 46.5-51.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 28 | 2.75 | |
| 4 | 46.5-51.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 28 | 2.75 | |
| 5 | 46.5-51.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 28 | 2.75 | |
| | | | | | | | | | |
| 1 | 46.5-51.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 33 | 2.75 | 15 psi > ambient No flow |
| 2 | 46.5-51.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 33 | 2.75 | |
| 3 | 46.5-51.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 33 | 2.75 | |
| 4 | 46.5-51.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 33 | 2.75 | |
| 5 | 46.5-51.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 33 | 2.75 | |
| | | | | | | | | | |
| 1 | 46.5-51.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 23 | 2.75 | 5 psi > ambient No Flow |
| 2 | 46.5-51.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 23 | 2.75 | |
| 3 | 46.5-51.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 23 | 2.75 | |

# RECORD OF PACKER TEST

| | | | |
|---|---|---|---|
| BORING NO. | MW-4 | ACCT. ABBR. | Becker Electronics |
| DIAMETER OF BORING | NX 3" | ACCT. NO. | 005048 |
| DEPTH OF BORING | 64.16' from grade - 422.06'MSL | TYPE OF PACKER | 5' dual |
| DEPTH OF GROUNDWATER | 12.69' from grade - 473.53'MSL | INSPECTOR | D. Beal |

| TIME PERIOD (MIN.) | DEPTH TEST ZONE (FT.) GRADE | LENGTH TEST ZONE (FT.) | WATER READINGS | | TOTAL FLOW (GALS.) | FLOW PER MIN. | GAGE PRESS. (psi) | GAGE HEIGHT (FT.) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| | | | START (GALS.) | FINISH (GALS.) | | | | | |
| 4 | 46.5-51.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 23 | 2.75 | |
| 5 | 46.5-51.5 | 5 | 4080.2 | 4080.2 | 0.0 | 0.0 | 23 | 2.75 | |
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# RECORD OF PACKER TEST

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|---|---|---|---|
| BORING NO. | MW-4 | ACCT. ABBR. | Becker Electronics |
| DIAMETER OF BORING | NX 3" | ACCT. NO. | 005048 |
| DEPTH OF BORING | 64.16' from grade - 422.06'MSL | TYPE OF PACKER | 5' dual |
| DEPTH OF GROUNDWATER | 12.69' from grade - 473.53'MSL | INSPECTOR | D. Beal |

| TIME PERIOD (MIN.) | DEPTH TEST ZONE (FT.) GRADE | LENGTH TEST ZONE (FT.) | WATER READINGS | | TOTAL FLOW (GALS.) | FLOW PER MIN. | GAGE PRESS. (psi) | GAGE HEIGHT (FT.) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| | | | START (GALS.) | FINISH (GALS.) | | | | | |
| 1 | 51.5-56.5 | 5 | 4082.3 | 4082.3 | 0.0 | 0.0 | 25.5 | 3.38 | 5 psi > ambient No flow |
| 2 | 51.5-56.5 | 5 | 4082.3 | 4082.3 | 0.0 | 0.0 | 25.5 | 3.38 | |
| 3 | 51.5-56.5 | 5 | 4082.3 | 4082.3 | 0.0 | 0.0 | 25.5 | 3.38 | |
| 4 | 51.5-56.5 | 5 | 4082.3 | 4082.3 | 0.0 | 0.0 | 25.5 | 3.38 | |
| 5 | 51.5-56.5 | 5 | 4082.3 | 4082.3 | 0.0 | 0.0 | 25.5 | 3.38 | |
| | | | | | | | | | |
| 1 | 51.5-56.5 | 5 | 4082.3 | 4082.3 | 0.0 | 0.0 | 30.5 | 3.38 | 10 psi > ambient No flow |
| 2 | 51.5-56.5 | 5 | 4082.3 | 4082.3 | 0.0 | 0.0 | 30.5 | 3.38 | |
| 3 | 51.5-56.5 | 5 | 4082.3 | 4082.3 | 0.0 | 0.0 | 30.5 | 3.38 | |
| 4 | 51.5-56.5 | 5 | 4082.3 | 4082.3 | 0.0 | 0.0 | 30.5 | 3.38 | |
| 5 | 51.5-56.5 | 5 | 4082.3 | 4082.3 | 0.0 | 0.0 | 30.5 | 3.38 | |
| | | | | | | | | | |
| 1 | 51.5-56.5 | 5 | 4082.3 | 4082.3 | 0.0 | 0.0 | 35.5 | 3.38 | 15 psi > ambient No flow |
| 2 | 51.5-56.5 | 5 | 4082.3 | 4082.3 | 0.0 | 0.0 | 35.5 | 3.38 | |
| 3 | 51.5-56.5 | 5 | 4082.3 | 4082.3 | 0.0 | 0.0 | 35.5 | 3.38 | |
| 4 | 51.5-56.5 | 5 | 4082.3 | 4082.3 | 0.0 | 0.0 | 35.5 | 3.38 | |
| 5 | 51.5-56.5 | 5 | 4082.3 | 4082.3 | 0.0 | 0.0 | 35.5 | 3.38 | |
| | | | | | | | | | |
| 1 | 51.5-56.5 | 5 | 4082.3 | 4082.3 | 0.0 | 0.0 | 25.5 | 3.38 | 5 psi > ambient No flow |
| 2 | 51.5-56.5 | 5 | 4082.3 | 4082.3 | 0.0 | 0.0 | 25.5 | 3.38 | |
| 3 | 51.5-56.5 | 5 | 4082.3 | 4082.3 | 0.0 | 0.0 | 25.5 | 3.38 | |

# RECORD OF PACKER TEST

| | | | |
|---|---|---|---|
| BORING NO. | MW-4 | ACCT. ABBR. | Becker Electronics |
| DIAMETER OF BORING | NX 3" | ACCT. NO. | 005048 |
| DEPTH OF BORING | 64.16' from grade - 422.06'MSL | TYPE OF PACKER | 5' dual |
| DEPTH OF GROUNDWATER | 12.69' from grade - 473.53'MSL | INSPECTOR | D. Beal |

| TIME PERIOD (MIN.) | DEPTH TEST ZONE (FT.) GRADE | LENGTH TEST ZONE (FT.) | WATER READINGS | | TOTAL FLOW (GALS.) | FLOW PER MIN. | GAGE PRESS. (psi) | GAGE HEIGHT (FT.) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| | | | START (GALS.) | FINISH (GALS.) | | | | | |
| 4 | 51.5-56.5 | 5 | 4082.3 | 4082.3 | 0.0 | 0.0 | 25.5 | 3.38 | |
| 5 | 51.5-56.5 | 5 | 4082.3 | 4082.3 | 0.0 | 0.0 | 25.5 | 3.38 | |
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# RECORD OF PACKER TEST

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|---|---|---|---|
| BORING NO. | MW-4 | ACCT. ABBR. | Becker Electronics |
| DIAMETER OF BORING | NX 3" | ACCT. NO. | 005048 |
| DEPTH OF BORING | 64.16' from grade - 422.06'MSL | TYPE OF PACKER | 5' dual |
| DEPTH OF GROUNDWATER | 12.69' from grade - 473.53'MSL | INSPECTOR | D. Beal |

| TIME PERIOD (MIN.) | DEPTH TEST ZONE (FT.) GRADE | LENGTH TEST ZONE (FT.) | WATER READINGS | | TOTAL FLOW (GALS.) | FLOW PER MIN. | GAGE PRESS. (psi) | GAGE HEIGHT (FT.) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| | | | START (GALS.) | FINISH (GALS.) | | | | | |
| 1 | 56.5-61.5 | 5 | 4082.3 | 4082.3 | 0.0 | 0.0 | 28 | 3.75 | 5 psi > ambient No flow |
| 2 | 56.5-61.5 | 5 | 4082.3 | 4082.3 | 0.0 | 0.0 | 28 | 3.75 | |
| 3 | 56.5-61.5 | 5 | 4082.3 | 4082.3 | 0.0 | 0.0 | 28 | 3.75 | |
| 4 | 56.5-61.5 | 5 | 4082.3 | 4082.3 | 0.0 | 0.0 | 28 | 3.75 | |
| 5 | 56.5-61.5 | 5 | 4082.3 | 4082.3 | 0.0 | 0.0 | 28 | 3.75 | |
| | | | | | | | | | |
| 1 | 56.5-61.5 | 5 | 4082.3 | 4082.3 | 0.0 | 0.0 | 33 | 3.75 | 10 psi > ambient No flow |
| 2 | 56.5-61.5 | 5 | 4082.3 | 4082.3 | 0.0 | 0.0 | 33 | 3.75 | |
| 3 | 56.5-61.5 | 5 | 4082.3 | 4082.3 | 0.0 | 0.0 | 33 | 3.75 | |
| 4 | 56.5-61.5 | 5 | 4082.3 | 4082.3 | 0.0 | 0.0 | 33 | 3.75 | |
| 5 | 56.5-61.5 | 5 | 4082.3 | 4082.3 | 0.0 | 0.0 | 33 | 3.75 | |
| | | | | | | | | | |
| 1 | 56.5-61.5 | 5 | 4082.3 | 4082.3 | 0.0 | 0.0 | 38 | 3.75 | 15 psi > ambient No flow |
| 2 | 56.5-61.5 | 5 | 4082.3 | 4082.3 | 0.0 | 0.0 | 38 | 3.75 | |
| 3 | 56.5-61.5 | 5 | 4082.3 | 4082.3 | 0.0 | 0.0 | 38 | 3.75 | |
| 4 | 56.5-61.5 | 5 | 4082.3 | 4082.3 | 0.0 | 0.0 | 38 | 3.75 | |
| 5 | 56.5-61.5 | 5 | 4082.3 | 4082.3 | 0.0 | 0.0 | 38 | 3.75 | |
| | | | | | | | | | |
| 1 | 56.5-61.5 | 5 | 4082.3 | 4082.3 | 0.0 | 0.0 | 28 | 3.75 | 5 psi > ambient No flow |
| 2 | 56.5-61.5 | 5 | 4082.3 | 4082.3 | 0.0 | 0.0 | 28 | 3.75 | |
| 3 | 56.5-61.5 | 5 | 4082.3 | 4082.3 | 0.0 | 0.0 | 28 | 3.75 | |

# RECORD OF PACKER TEST

| | | | |
|---|---|---|---|
| BORING NO. | MW-4 | ACCT. ABBR. | Becker Electronics |
| DIAMETER OF BORING | NX 3" | ACCT. NO. | 005048 |
| DEPTH OF BORING | 64.16' from grade - 422.06'MSL | TYPE OF PACKER | 5' dual |
| DEPTH OF GROUNDWATER | 12.69' from grade - 473.53'MSL | INSPECTOR | D. Beal |

| TIME PERIOD (MIN.) | DEPTH TEST ZONE (FT.) GRADE | LENGTH TEST ZONE (FT.) | WATER READINGS | | TOTAL FLOW (GALS.) | FLOW PER MIN. | GAGE PRESS. (psi) | GAGE HEIGHT (FT.) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| | | | START (GALS.) | FINISH (GALS.) | | | | | |
| 4 | 56.5-61.5 | 5 | 4082.3 | 4082.3 | 0.0 | 0.0 | 28 | 3.75 | |
| 5 | 56.5-61.5 | 5 | 4082.3 | 4082.3 | 0.0 | 0.0 | 28 | 3.75 | |
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# RECORD OF PACKER TEST

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|---|---|---|---|
| BORING NO. | MW-5 | ACCT. ABBR. | Becker Electronics |
| DIAMETER OF BORING | NX 3" | ACCT. NO. | 005048 |
| DEPTH OF BORING | 70' grade - 416.31'MSL | TYPE OF PACKER | 5' dual |
| DEPTH OF GROUNDWATER | 9.68' grade - 476.63'MSL | INSPECTOR | E. Schaper |

| TIME PERIOD (MIN.) | DEPTH TEST ZONE (FT.) GRADE | LENGTH TEST ZONE (FT.) | WATER READINGS | | TOTAL FLOW (GALS.) | FLOW PER MIN. | GAGE PRESS. (psi) | GAGE HEIGHT (FT.) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| | | | START (GALS.) | FINISH (GALS.) | | | | | |
| 1 | 19.5-24.5 | 5 | 273.7 | 273.7 | 0.0 | 0.0 | 11.25 | 7.25 | 5 psi > ambient No flow |
| 2 | 19.5-24.5 | 5 | 273.7 | 273.7 | 0.0 | 0.0 | 11.25 | 7.25 | |
| 3 | 19.5-24.5 | 5 | 273.7 | 273.7 | 0.0 | 0.0 | 11.25 | 7.25 | |
| 4 | 19.5-24.5 | 5 | 273.7 | 273.7 | 0.0 | 0.0 | 11.25 | 7.25 | |
| 5 | 19.5-24.5 | 5 | 273.7 | 273.7 | 0.0 | 0.0 | 11.25 | 7.25 | |
| | | | | | | | | | |
| 1 | 19.5-24.5 | 5 | 273.7 | 273.7 | 0.0 | 0.0 | 16.25 | 7.25 | 10 psi > ambient No flow |
| 2 | 19.5-24.5 | 5 | 273.7 | 273.7 | 0.0 | 0.0 | 16.25 | 7.25 | |
| 3 | 19.5-24.5 | 5 | 273.7 | 273.7 | 0.0 | 0.0 | 16.25 | 7.25 | |
| 4 | 19.5-24.5 | 5 | 273.7 | 273.7 | 0.0 | 0.0 | 16.25 | 7.25 | |
| 5 | 19.5-24.5 | 5 | 273.7 | 273.7 | 0.0 | 0.0 | 16.25 | 7.25 | |
| | | | | | | | | | |
| 1 | 19.5-24.5 | 5 | 273.7 | 273.7 | 0.0 | 0.0 | 21.25 | 7.25 | 15 psi > ambient No flow |
| 2 | 19.5-24.5 | 5 | 273.7 | 273.7 | 0.0 | 0.0 | 21.25 | 7.25 | |
| 3 | 19.5-24.5 | 5 | 273.7 | 273.7 | 0.0 | 0.0 | 21.25 | 7.25 | |
| 4 | 19.5-24.5 | 5 | 273.7 | 273.7 | 0.0 | 0.0 | 21.25 | 7.25 | |
| 5 | 19.5-24.5 | 5 | 273.7 | 273.7 | 0.0 | 0.0 | 21.25 | 7.25 | |
| | | | | | | | | | |
| 1 | 19.5-24.5 | 5 | 273.7 | 273.7 | 0.0 | 0.0 | 11.25 | 7.25 | 5 psi > ambient No flow |
| 2 | 19.5-24.5 | 5 | 273.7 | 273.7 | 0.0 | 0.0 | 11.25 | 7.25 | |
| 3 | 19.5-24.5 | 5 | 273.7 | 273.7 | 0.0 | 0.0 | 11.25 | 7.25 | |

# RECORD OF PACKER TEST

| | | | |
|---|---|---|---|
| BORING NO. | MW-5 | ACCT. ABBR. | Becker Electronics |
| DIAMETER OF BORING | NX 3" | ACCT. NO. | 005048 |
| DEPTH OF BORING | 70' grade - 416.31'MSL | TYPE OF PACKER | 5' dual |
| DEPTH OF GROUNDWATER | 9.68' grade - 476.63'MSL | INSPECTOR | E. Schaper |

| TIME PERIOD (MIN.) | DEPTH TEST ZONE (FT.) GRADE | LENGTH TEST ZONE (FT.) | WATER READINGS | | TOTAL FLOW (GALS.) | FLOW PER MIN. | GAGE PRESS. (psi) | GAGE HEIGHT (FT.) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| | | | START (GALS.) | FINISH (GALS.) | | | | | |
| 4 | 19.5-24.5 | 5 | 273.7 | 273.7 | 0.0 | 0.0 | 11.25 | 7.25 | |
| 5 | 19.5-24.5 | 5 | 273.7 | 273.7 | 0.0 | 0.0 | 11.25 | 7.25 | |
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# RECORD OF PACKER TEST

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|---|---|---|---|
| BORING NO. | MW-5 | ACCT. ABBR. | Becker Electronics |
| DIAMETER OF BORING | NX 3" | ACCT. NO. | 005048 |
| DEPTH OF BORING | 70' grade - 416.31'MSL | TYPE OF PACKER | 5' dual |
| DEPTH OF GROUNDWATER | 9.68' grade - 476.63'MSL | INSPECTOR | E. Schaper |

| TIME PERIOD (MIN.) | DEPTH TEST ZONE (FT.) GRADE | LENGTH TEST ZONE (FT.) | WATER READINGS | | TOTAL FLOW (GALS.) | FLOW PER MIN. | GAGE PRESS. (psi) | GAGE HEIGHT (FT.) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| | | | START (GALS.) | FINISH (GALS.) | | | | | |
| 1 | 24.5-29.5 | 5 | 273.7 | 273.7 | 0.0 | 0.0 | 14 | NR | 5 psi > ambient No flow |
| 2 | 24.5-29.5 | 5 | 273.7 | 273.7 | 0.0 | 0.0 | 14 | NR | |
| 3 | 24.5-29.5 | 5 | 273.7 | 273.7 | 0.0 | 0.0 | 14 | NR | |
| 4 | 24.5-29.5 | 5 | 273.7 | 273.7 | 0.0 | 0.0 | 14 | NR | |
| 5 | 24.5-29.5 | 5 | 273.7 | 273.7 | 0.0 | 0.0 | 14 | NR | |
| | | | | | | | | | |
| 1 | 24.5-29.5 | 5 | 273.7 | 273.7 | 0.0 | 0.0 | 18 | NR | 10 psi > ambient No flow |
| 2 | 24.5-29.5 | 5 | 273.7 | 273.7 | 0.0 | 0.0 | 18 | NR | |
| 3 | 24.5-29.5 | 5 | 273.7 | 273.7 | 0.0 | 0.0 | 18 | NR | |
| 4 | 24.5-29.5 | 5 | 273.7 | 273.7 | 0.0 | 0.0 | 18 | NR | |
| 5 | 24.5-29.5 | 5 | 273.7 | 273.7 | 0.0 | 0.0 | 18 | NR | |
| | | | | | | | | | |
| 1 | 24.5-29.5 | 5 | 273.7 | 273.7 | 0.0 | 0.0 | 24 | NR | 15 psi > ambient No flow |
| 2 | 24.5-29.5 | 5 | 273.7 | 273.7 | 0.0 | 0.0 | 24 | NR | |
| 3 | 24.5-29.5 | 5 | 273.7 | 273.7 | 0.0 | 0.0 | 24 | NR | |
| 4 | 24.5-29.5 | 5 | 273.7 | 273.7 | 0.0 | 0.0 | 24 | NR | |
| 5 | 24.5-29.5 | 5 | 273.7 | 273.7 | 0.0 | 0.0 | 24 | NR | |
| | | | | | | | | | |
| 1 | 24.5-29.5 | 5 | 273.7 | 273.7 | 0.0 | 0.0 | 14 | NR | 5 psi > ambient No flow |
| 2 | 24.5-29.5 | 5 | 273.7 | 273.7 | 0.0 | 0.0 | 14 | NR | |
| 3 | 24.5-29.5 | 5 | 273.7 | 273.7 | 0.0 | 0.0 | 14 | NR | |

# RECORD OF PACKER TEST

| | | | |
|---|---|---|---|
| BORING NO. | MW-5 | ACCT. ABBR. | Becker Electronics |
| DIAMETER OF BORING | NX 3" | ACCT. NO. | 005048 |
| DEPTH OF BORING | 70' grade - 416.31'MSL | TYPE OF PACKER | 5' dual |
| DEPTH OF GROUNDWATER | 9.68' grade - 476.63'MSL | INSPECTOR | E. Schaper |

| TIME PERIOD (MIN.) | DEPTH TEST ZONE (FT.) GRADE | LENGTH TEST ZONE (FT.) | WATER READINGS | | TOTAL FLOW (GALS.) | FLOW PER MIN. | GAGE PRESS. (psi) | GAGE HEIGHT (FT.) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| | | | START (GALS.) | FINISH (GALS.) | | | | | |
| 4 | 24.5-29.5 | 5 | 273.7 | 273.7 | 0.0 | 0.0 | 14 | NR | |
| 5 | 24.5-29.5 | 5 | 273.7 | 273.7 | 0.0 | 0.0 | 14 | NR | |
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# RECORD OF PACKER TEST

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|---|---|---|---|
| BORING NO. | MW-5 | ACCT. ABBR. | Becker Electronics |
| DIAMETER OF BORING | NX 3" | ACCT. NO. | 005048 |
| DEPTH OF BORING | 70' grade - 416.31'MSL | TYPE OF PACKER | 5' dual |
| DEPTH OF GROUNDWATER | 9.68' grade - 476.63'MSL | INSPECTOR | E. Schaper |

| TIME PERIOD (MIN.) | DEPTH TEST ZONE (FT.) GRADE | LENGTH TEST ZONE (FT.) | WATER READINGS | | TOTAL FLOW (GALS.) | FLOW PER MIN. | GAGE PRESS. (psi) | GAGE HEIGHT (FT.) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| | | | START (GALS.) | FINISH (GALS.) | | | | | |
| 1 | 29.5-34.5 | 5 | 273.7 | 273.7 | 0.0 | 0.0 | 16 | NR | 5 psi > ambient No flow |
| 2 | 29.5-34.5 | 5 | 273.7 | 273.7 | 0.0 | 0.0 | 16 | NR | |
| 3 | 29.5-34.5 | 5 | 273.7 | 273.7 | 0.0 | 0.0 | 16 | NR | |
| 4 | 29.5-34.5 | 5 | 273.7 | 273.7 | 0.0 | 0.0 | 16 | NR | |
| 5 | 29.5-34.5 | 5 | 273.7 | 273.7 | 0.0 | 0.0 | 16 | NR | |
| | | | | | | | | | |
| 1 | 29.5-34.5 | 5 | 273.7 | 273.7 | 0.0 | 0.0 | 21 | NR | 10 psi > ambient No flow |
| 2 | 29.5-34.5 | 5 | 273.7 | 273.7 | 0.0 | 0.0 | 21 | NR | |
| 3 | 29.5-34.5 | 5 | 273.7 | 273.7 | 0.0 | 0.0 | 21 | NR | |
| 4 | 29.5-34.5 | 5 | 273.7 | 273.7 | 0.0 | 0.0 | 21 | NR | |
| 5 | 29.5-34.5 | 5 | 273.7 | 273.7 | 0.0 | 0.0 | 21 | NR | |
| | | | | | | | | | |
| 1 | 29.5-34.5 | 5 | 273.7 | 273.7 | 0.0 | 0.0 | 26 | NR | 15 psi > ambient No flow |
| 2 | 29.5-34.5 | 5 | 273.7 | 273.7 | 0.0 | 0.0 | 26 | NR | |
| 3 | 29.5-34.5 | 5 | 273.7 | 273.7 | 0.0 | 0.0 | 26 | NR | |
| 4 | 29.5-34.5 | 5 | 273.7 | 273.7 | 0.0 | 0.0 | 26 | NR | |
| 5 | 29.5-34.5 | 5 | 273.7 | 273.7 | 0.0 | 0.0 | 26 | NR | |
| | | | | | | | | | |
| 1 | 29.5-34.5 | 5 | 273.7 | 273.7 | 0.0 | 0.0 | 16 | NR | 5 psi > ambient No flow |
| 2 | 29.5-34.5 | 5 | 273.7 | 273.7 | 0.0 | 0.0 | 16 | NR | |
| 3 | 29.5-34.5 | 5 | 273.7 | 273.7 | 0.0 | 0.0 | 16 | NR | |

# RECORD OF PACKER TEST

| | | | |
|---|---|---|---|
| BORING NO. | MW-5 | ACCT. ABBR. | Becker Electronics |
| DIAMETER OF BORING | NX 3" | ACCT. NO. | 005048 |
| DEPTH OF BORING | 70' grade - 416.31'MSL | TYPE OF PACKER | 5' dual |
| DEPTH OF GROUNDWATER | 9.68' grade - 476.63'MSL | INSPECTOR | E. Schaper |

| TIME PERIOD (MIN.) | DEPTH TEST ZONE (FT.) GRADE | LENGTH TEST ZONE (FT.) | WATER READINGS | | TOTAL FLOW (GALS.) | FLOW PER MIN. | GAGE PRESS. (psi) | GAGE HEIGHT (FT.) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| | | | START (GALS.) | FINISH (GALS.) | | | | | |
| 4 | 29.5-34.5 | 5 | 273.7 | 273.7 | 0.0 | 0.0 | 16 | NR | |
| 5 | 29.5-34.5 | 5 | 273.7 | 273.7 | 0.0 | 0.0 | 16 | NR | |
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# RECORD OF PACKER TEST

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|---|---|---|---|
| BORING NO. | MW-5 | ACCT. ABBR. | Becker Electronics |
| DIAMETER OF BORING | NX 3" | ACCT. NO. | 005048 |
| DEPTH OF BORING | 70' grade - 416.31'MSL | TYPE OF PACKER | 5' dual |
| DEPTH OF GROUNDWATER | 9.68' grade - 476.63'MSL | INSPECTOR | E. Schaper |

| TIME PERIOD (MIN.) | DEPTH TEST ZONE (FT.) GRADE | LENGTH TEST ZONE (FT.) | WATER READINGS | | TOTAL FLOW (GALS.) | FLOW PER MIN. | GAGE PRESS. (psi) | GAGE HEIGHT (FT.) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| | | | START (GALS.) | FINISH (GALS.) | | | | | |
| 1 | 34.5-39.5 | 5 | 273.7 | 273.7 | 0.0 | 0.0 | 19 | 8.17 | 5 psi > ambient No flow |
| 2 | 34.5-39.5 | 5 | 273.7 | 273.7 | 0.0 | 0.0 | 19 | 8.17 | |
| 3 | 34.5-39.5 | 5 | 273.7 | 273.7 | 0.0 | 0.0 | 19 | 8.17 | |
| 4 | 34.5-39.5 | 5 | 273.7 | 273.7 | 0.0 | 0.0 | 19 | 8.17 | |
| 5 | 34.5-39.5 | 5 | 273.7 | 273.7 | 0.0 | 0.0 | 19 | 8.17 | |
| | | | | | | | | | |
| 1 | 34.5-39.5 | 5 | 273.7 | 273.9 | 0.2 | 0.2 | 24 | 8.17 | 10 psi > ambient |
| 2 | 34.5-39.5 | 5 | 273.9 | 274.0 | 0.3 | 0.1 | 24 | 8.17 | |
| 3 | 34.5-39.5 | 5 | 274.0 | 274.1 | 0.4 | 0.1 | 24 | 8.17 | |
| 4 | 34.5-39.5 | 5 | 274.1 | 274.3 | 0.6 | 0.2 | 24 | 8.17 | |
| 5 | 34.5-39.5 | 5 | 274.3 | 274.4 | 0.7 | 0.1 | 24 | 8.17 | |
| 6 | 34.5-39.5 | 5 | 274.4 | 274.5 | 0.8 | 0.1 | 24 | 8.17 | |
| 7 | 34.5-39.5 | 5 | 274.5 | 274.7 | 1.0 | 0.2 | 24 | 8.17 | |
| 8 | 34.5-39.5 | 5 | 274.7 | 274.8 | 1.1 | 0.1 | 24 | 8.17 | |
| 9 | 34.5-39.5 | 5 | 274.8 | 274.9 | 1.2 | 0.1 | 24 | 8.17 | |
| 10 | 34.5-39.5 | 5 | 274.9 | 275.0 | 1.3 | 0.1 | 24 | 8.17 | |
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# RECORD OF PACKER TEST

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|---|---|---|---|
| **BORING NO.** | MW-5 | **ACCT. ABBR.** | Becker Electronics |
| **DIAMETER OF BORING** | NX 3" | **ACCT. NO.** | 005048 |
| **DEPTH OF BORING** | 70' grade - 416.31'MSL | **TYPE OF PACKER** | 5' dual |
| **DEPTH OF GROUNDWATER** | 9.68' grade - 476.63'MSL | **INSPECTOR** | E. Schaper |

| TIME PERIOD (MIN.) | DEPTH TEST ZONE (FT.) GRADE | LENGTH TEST ZONE (FT.) | WATER READINGS | | TOTAL FLOW (GALS.) | FLOW PER MIN. | GAGE PRESS. (psi) | GAGE HEIGHT (FT.) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| | | | START (GALS.) | FINISH (GALS.) | | | | | |
| 1 | 34.5-39.5 | 5 | 277.3 | 277.6 | 0.3 | 0.3 | 29 | 8.17 | 15 psi > ambient |
| 2 | 34.5-39.5 | 5 | 277.6 | 277.8 | 0.5 | 0.2 | 29 | 8.17 | |
| 3 | 34.5-39.5 | 5 | 277.8 | 278.1 | 0.8 | 0.3 | 29 | 8.17 | |
| 4 | 34.5-39.5 | 5 | 278.1 | 278.3 | 1.0 | 0.2 | 29 | 8.17 | |
| 5 | 34.5-39.5 | 5 | 278.3 | 278.5 | 1.2 | 0.2 | 29 | 8.17 | |
| 6 | 34.5-39.5 | 5 | 278.5 | 278.8 | 1.5 | 0.3 | 29 | 8.17 | |
| 7 | 34.5-39.5 | 5 | 278.8 | 279.0 | 1.6 | 0.1 | 29 | 8.17 | |
| 8 | 34.5-39.5 | 5 | 279.0 | 279.3 | 1.9 | 0.3 | 29 | 8.17 | |
| 9 | 34.5-39.5 | 5 | 279.3 | 279.5 | 2.1 | 0.2 | 29 | 8.17 | |
| 10 | 34.5-39.5 | 5 | 279.5 | 279.7 | 2.3 | 0.2 | 29 | 8.17 | |
| | | | | | | | | | |
| 1 | 34.5-39.5 | 5 | 279.7 | 279.7 | 0.0 | 0.0 | 19 | 8.17 | 5 psi > ambient<br>No flow |
| 2 | 34.5-39.5 | 5 | 279.7 | 279.7 | 0.0 | 0.0 | 19 | 8.17 | |
| 3 | 34.5-39.5 | 5 | 279.7 | 279.7 | 0.0 | 0.0 | 19 | 8.17 | |
| 4 | 34.5-39.5 | 5 | 279.7 | 279.7 | 0.0 | 0.0 | 19 | 8.17 | |
| 5 | 34.5-39.5 | 5 | 279.7 | 279.7 | 0.0 | 0.0 | 19 | 8.17 | |
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# RECORD OF PACKER TEST

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|---|---|---|---|
| BORING NO. | MW-5 | ACCT. ABBR. | Becker Electronics |
| DIAMETER OF BORING | NX 3" | ACCT. NO. | 005048 |
| DEPTH OF BORING | 70' grade - 416.31'MSL | TYPE OF PACKER | 5' dual |
| DEPTH OF GROUNDWATER | 9.68' grade - 476.63'MSL | INSPECTOR | E. Schaper |

| TIME PERIOD (MIN.) | DEPTH TEST ZONE (FT.) GRADE | LENGTH TEST ZONE (FT.) | WATER READINGS | | TOTAL FLOW (GALS.) | FLOW PER MIN. | GAGE PRESS. (psi) | GAGE HEIGHT (FT.) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| | | | START (GALS.) | FINISH (GALS.) | | | | | |
| 1 | 39.5-44.5 | 5 | 287.0 | 288.5 | 1.5 | 1.5 | 21 | 8.5 | 5 psi > ambient |
| 2 | 39.5-44.5 | 5 | 288.5 | 289.9 | 2.9 | 1.4 | 21 | 8.5 | |
| 3 | 39.5-44.5 | 5 | 289.9 | 291.2 | 4.2 | 1.3 | 21 | 8.5 | |
| 4 | 39.5-44.5 | 5 | 291.2 | 292.6 | 5.6 | 1.4 | 21 | 8.5 | |
| 5 | 39.5-44.5 | 5 | 292.6 | 294.0 | 7.0 | 1.4 | 21 | 8.5 | |
| | | | | | | | | | |
| 1 | 39.5-44.5 | 5 | 296.5 | 298.0 | 1.5 | 1.5 | 26 | 8.5 | 10 psi > ambient |
| 2 | 39.5-44.5 | 5 | 298.0 | 299.4 | 2.9 | 1.4 | 26 | 8.5 | |
| 3 | 39.5-44.5 | 5 | 299.4 | 300.8 | 4.3 | 1.4 | 26 | 8.5 | |
| 4 | 39.5-44.5 | 5 | 300.8 | 302.2 | 5.7 | 1.4 | 26 | 8.5 | |
| 5 | 39.5-44.5 | 5 | 302.2 | 303.5 | 7.0 | 1.3 | 26 | 8.5 | |
| 6 | 39.5-44.5 | 5 | 303.5 | 304.9 | 8.4 | 1.4 | 26 | 8.5 | |
| 7 | 39.5-44.5 | 5 | 304.9 | 306.2 | 9.7 | 1.3 | 26 | 8.5 | |
| 8 | 39.5-44.5 | 5 | 306.2 | 307.5 | 11.0 | 1.3 | 26 | 8.5 | |
| 9 | 39.5-44.5 | 5 | 307.5 | 308.6 | 12.1 | 1.1 | 26 | 8.5 | |
| 10 | 39.5-44.5 | 5 | 308.6 | 309.6 | 13.1 | 1.0 | 26 | 8.5 | |
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# RECORD OF PACKER TEST

| | | | |
|---|---|---|---|
| BORING NO. | MW-5 | ACCT. ABBR. | Becker Electronics |
| DIAMETER OF BORING | NX 3" | ACCT. NO. | 005048 |
| DEPTH OF BORING | 70' grade - 416.31'MSL | TYPE OF PACKER | 5' dual |
| DEPTH OF GROUNDWATER | 9.68' grade - 476.63'MSL | INSPECTOR | E. Schaper |

| TIME PERIOD (MIN.) | DEPTH TEST ZONE (FT.) GRADE | LENGTH TEST ZONE (FT.) | WATER READINGS | | TOTAL FLOW (GALS.) | FLOW PER MIN. | GAGE PRESS. (psi) | GAGE HEIGHT (FT.) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| | | | START (GALS.) | FINISH (GALS.) | | | | | |
| 1 | 39.5-44.5 | 5 | 325.0 | 326.4 | 1.4 | 1.4 | 31 | 8.5 | 15 psi > ambient |
| 2 | 39.5-44.5 | 5 | 326.4 | 327.8 | 2.8 | 1.4 | 31 | 8.5 | |
| 3 | 39.5-44.5 | 5 | 327.8 | 329.1 | 4.1 | 1.3 | 31 | 8.5 | |
| 4 | 39.5-44.5 | 5 | 329.1 | 330.5 | 5.5 | 1.4 | 31 | 8.5 | |
| 5 | 39.5-44.5 | 5 | 330.5 | 331.8 | 6.8 | 1.3 | 31 | 8.5 | |
| 6 | 39.5-44.5 | 5 | 331.8 | 333.2 | 8.2 | 1.4 | 31 | 8.5 | |
| 7 | 39.5-44.5 | 5 | 333.2 | 334.6 | 9.6 | 1.4 | 31 | 8.5 | |
| 8 | 39.5-44.5 | 5 | 334.6 | 336.0 | 11.0 | 1.4 | 31 | 8.5 | |
| 9 | 39.5-44.5 | 5 | 336.0 | 337.3 | 12.3 | 1.3 | 31 | 8.5 | |
| 10 | 39.5-44.5 | 5 | 337.3 | 338.6 | 13.6 | 1.3 | 31 | 8.5 | |
| | | | | | | | | | |
| 1 | 39.5-44.5 | 5 | 312.2 | 313.5 | 1.3 | 1.3 | 21 | 8.5 | 5 psi > ambient |
| 2 | 39.5-44.5 | 5 | 313.5 | 314.4 | 2.2 | 0.9 | 21 | 8.5 | |
| 3 | 39.5-44.5 | 5 | 314.4 | 315.3 | 3.1 | 0.9 | 21 | 8.5 | |
| 4 | 39.5-44.5 | 5 | 315.3 | 316.3 | 4.1 | 1.0 | 21 | 8.5 | |
| 5 | 39.5-44.5 | 5 | 316.3 | 317.2 | 5.0 | 0.9 | 21 | 8.5 | |
| 6 | 39.5-44.5 | 5 | 317.2 | 318.2 | 6.0 | 1.0 | 21 | 8.5 | |
| 7 | 39.5-44.5 | 5 | 318.2 | 319.1 | 6.9 | 0.9 | 21 | 8.5 | |
| 8 | 39.5-44.5 | 5 | 319.1 | 320.9 | 8.7 | 1.8 | 21 | 8.5 | |
| 9 | 39.5-44.5 | 5 | 320.9 | 321.8 | 9.6 | 0.9 | 21 | 8.5 | |
| 10 | 39.5-44.5 | 5 | 321.8 | 322.4 | 10.2 | 0.6 | 21 | 8.5 | |

# RECORD OF PACKER TEST

| | | | |
|---|---|---|---|
| BORING NO. | MW-5 | ACCT. ABBR. | Becker Electronics |
| DIAMETER OF BORING | NX 3" | ACCT. NO. | 005048 |
| DEPTH OF BORING | 70' grade - 416.31'MSL | TYPE OF PACKER | 5' dual |
| DEPTH OF GROUNDWATER | 9.68' grade - 476.63'MSL | INSPECTOR | E. Schaper |

| TIME PERIOD (MIN.) | DEPTH TEST ZONE (FT.) GRADE | LENGTH TEST ZONE (FT.) | WATER READINGS | | TOTAL FLOW (GALS.) | FLOW PER MIN. | GAGE PRESS. (psi) | GAGE HEIGHT (FT.) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| | | | START (GALS.) | FINISH (GALS.) | | | | | |
| 1 | 44.5-49.5 | 5 | 342.3 | 344.2 | 1.9 | 1.9 | 24 | 3.67 | 5 psi > ambient |
| 2 | 44.5-49.5 | 5 | 344.2 | 345.6 | 3.3 | 1.4 | 24 | 3.67 | |
| 3 | 44.5-49.5 | 5 | 345.6 | 347.0 | 4.7 | 1.4 | 24 | 3.67 | |
| 4 | 44.5-49.5 | 5 | 347.0 | 348.4 | 6.1 | 1.4 | 24 | 3.67 | |
| 5 | 44.5-49.5 | 5 | 348.4 | 349.8 | 7.5 | 1.4 | 24 | 3.67 | |
| | | | | | | | | | |
| 1 | 44.5-49.5 | 5 | 351.5 | 353.9 | 2.4 | 2.4 | 29 | 3.67 | 10 psi > ambient |
| 2 | 44.5-49.5 | 5 | 353.9 | 356.3 | 4.8 | 2.4 | 29 | 3.67 | |
| 3 | 44.5-49.5 | 5 | 356.3 | 358.8 | 7.3 | 2.5 | 29 | 3.67 | |
| 4 | 44.5-49.5 | 5 | 358.8 | 361.2 | 9.7 | 2.4 | 29 | 3.67 | |
| 5 | 44.5-49.5 | 5 | 361.2 | 363.7 | 12.2 | 2.5 | 29 | 3.67 | |
| 6 | 44.5-49.5 | 5 | 363.7 | 366.1 | 14.6 | 2.4 | 29 | 3.67 | |
| 7 | 44.5-49.5 | 5 | 366.1 | 368.6 | 17.1 | 2.5 | 29 | 3.67 | |
| 8 | 44.5-49.5 | 5 | 368.6 | 371.2 | 19.7 | 2.6 | 29 | 3.67 | |
| 9 | 44.5-49.5 | 5 | 371.2 | 373.7 | 22.2 | 2.5 | 29 | 3.67 | |
| 10 | 44.5-49.5 | 5 | 373.7 | 376.3 | 24.8 | 2.6 | 29 | 3.67 | |
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# RECORD OF PACKER TEST

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|---|---|---|---|
| **BORING NO.** | MW-5 | **ACCT. ABBR.** | Becker Electronics |
| **DIAMETER OF BORING** | NX 3" | **ACCT. NO.** | 005048 |
| **DEPTH OF BORING** | 70' grade - 416.31'MSL | **TYPE OF PACKER** | 5' dual |
| **DEPTH OF GROUNDWATER** | 9.68' grade - 476.63'MSL | **INSPECTOR** | E. Schaper |

| TIME PERIOD (MIN.) | DEPTH TEST ZONE (FT.) GRADE | LENGTH TEST ZONE (FT.) | WATER READINGS | | TOTAL FLOW (GALS.) | FLOW PER MIN. | GAGE PRESS. (psi) | GAGE HEIGHT (FT.) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| | | | START (GALS.) | FINISH (GALS.) | | | | | |
| 1 | 44.5-49.5 | 5 | 380.0 | 384.3 | 4.3 | 4.3 | 34 | 3.67 | 15 psi > ambient |
| 2 | 44.5-49.5 | 5 | 384.3 | 388.6 | 8.6 | 4.3 | 34 | 3.67 | |
| 3 | 44.5-49.5 | 5 | 388.6 | 393.1 | 13.1 | 4.5 | 34 | 3.67 | |
| 4 | 44.5-49.5 | 5 | 393.1 | 397.6 | 17.6 | 4.5 | 34 | 3.67 | |
| 5 | 44.5-49.5 | 5 | 397.6 | 402.2 | 22.2 | 4.6 | 34 | 3.67 | |
| 6 | 44.5-49.5 | 5 | 402.2 | 406.5 | 26.5 | 4.3 | 34 | 3.67 | |
| 7 | 44.5-49.5 | 5 | 406.5 | 411.1 | 31.1 | 4.6 | 34 | 3.67 | |
| 8 | 44.5-49.5 | 5 | 411.1 | 415.4 | 35.4 | 4.3 | 34 | 3.67 | |
| 9 | 44.5-49.5 | 5 | 415.4 | 419.8 | 39.8 | 4.4 | 34 | 3.67 | |
| 10 | 44.5-49.5 | 5 | 419.8 | 424.2 | 44.2 | 4.4 | 34 | 3.67 | |
| | | | | | | | | | |
| 1 | 44.5-49.5 | 5 | 426.7 | 427.8 | 1.1 | 1.1 | 24 | 3.67 | 5 psi > ambient |
| 2 | 44.5-49.5 | 5 | 427.8 | 428.8 | 2.1 | 1.0 | 24 | 3.67 | |
| 3 | 44.5-49.5 | 5 | 428.8 | 429.9 | 3.2 | 1.1 | 24 | 3.67 | |
| 4 | 44.5-49.5 | 5 | 429.9 | 430.9 | 4.2 | 1.0 | 24 | 3.67 | |
| 5 | 44.5-49.5 | 5 | 430.9 | 431.9 | 5.2 | 1.0 | 24 | 3.67 | |
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# RECORD OF PACKER TEST

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|---|---|---|---|
| BORING NO. | MW-5 | ACCT. ABBR. | Becker Electronics |
| DIAMETER OF BORING | NX 3" | ACCT. NO. | 005048 |
| DEPTH OF BORING | 70' grade - 416.31'MSL | TYPE OF PACKER | 5' dual |
| DEPTH OF GROUNDWATER | 9.68' grade - 476.63'MSL | INSPECTOR | E. Schaper |

| TIME PERIOD (MIN.) | DEPTH TEST ZONE (FT.) GRADE | LENGTH TEST ZONE (FT.) | WATER READINGS | | TOTAL FLOW (GALS.) | FLOW PER MIN. | GAGE PRESS. (psi) | GAGE HEIGHT (FT.) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| | | | START (GALS.) | FINISH (GALS.) | | | | | |
| 1 | 49.5-54.5 | 5 | 455.0 | 482.5 | 26.5 | 26.5 | 26 | 3.58 | 5 psi > ambient |
| 2 | 49.5-54.5 | 5 | 482.5 | 508.1 | 52.7 | 25.6 | 26 | 3.58 | |
| 3 | 49.5-54.5 | 5 | 508.1 | 534.7 | 79.3 | 26.6 | 26 | 3.58 | |
| 4 | 49.5-54.5 | 5 | 534.7 | 560.0 | 104.6 | 25.3 | 26 | 3.58 | |
| 5 | 49.5-54.5 | 5 | 560.0 | 587.1 | 131.7 | 27.1 | 26 | 3.58 | |
| | | | | | | | | | |
| 1 | 49.5-54.5 | 5 | 600.0 | 627.4 | 27.4 | 27.4 | 31 | 3.58 | 10 psi > ambient |
| 2 | 49.5-54.5 | 5 | 627.4 | 655.1 | 55.1 | 27.7 | 31 | 3.58 | |
| 3 | 49.5-54.5 | 5 | 655.1 | 682.6 | 82.6 | 27.5 | 31 | 3.58 | |
| 4 | 49.5-54.5 | 5 | 682.6 | 709.9 | 109.9 | 27.3 | 31 | 3.58 | |
| 5 | 49.5-54.5 | 5 | 709.9 | 737.6 | 137.6 | 27.7 | 31 | 3.58 | |
| 6 | 49.5-54.5 | 5 | 737.6 | 766.3 | 166.3 | 28.7 | 31 | 3.58 | |
| 7 | 49.5-54.5 | 5 | 780.0 | 805.5 | 191.8 | 25.5 | 31 | 3.58 | stop & start test to switch water |
| 8 | 49.5-54.5 | 5 | 805.5 | 831.7 | 218.0 | 26.2 | 31 | 3.58 | |
| 9 | 49.5-54.5 | 5 | 831.7 | 858.3 | 244.6 | 26.6 | 31 | 3.58 | |
| 10 | 49.5-54.5 | 5 | 858.3 | 884.4 | 270.7 | 26.1 | 31 | 3.58 | |
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# RECORD OF PACKER TEST

| | | | |
|---|---|---|---|
| BORING NO. | MW-5 | ACCT. ABBR. | Becker Electronics |
| DIAMETER OF BORING | NX 3" | ACCT. NO. | 005048 |
| DEPTH OF BORING | 70' grade - 416.31'MSL | TYPE OF PACKER | 5' dual |
| DEPTH OF GROUNDWATER | 9.68' grade - 476.63'MSL | INSPECTOR | E. Schaper |

| TIME PERIOD (MIN.) | DEPTH TEST ZONE (FT.) GRADE | LENGTH TEST ZONE (FT.) | WATER READINGS | | TOTAL FLOW (GALS.) | FLOW PER MIN. | GAGE PRESS. (psi) | GAGE HEIGHT (FT.) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| | | | START (GALS.) | FINISH (GALS.) | | | | | |
| 1 | 49.5-54.5 | 5 | 900.0 | 926.6 | 26.6 | 26.6 | 36 | 3.58 | 15 psi > ambient |
| 2 | 49.5-54.5 | 5 | 926.6 | 955.3 | 55.3 | 28.7 | 36 | 3.58 | Stop & restart test to switch water supply |
| 3 | 49.5-54.5 | 5 | 971.0 | 999.8 | 84.1 | 28.8 | 36 | 3.58 | |
| 4 | 49.5-54.5 | 5 | 999.8 | 1027.5 | 111.8 | 27.7 | 36 | 3.58 | |
| 5 | 49.5-54.5 | 5 | 1027.5 | 1056.5 | 140.8 | 29.0 | 36 | 3.58 | |
| 6 | 49.5-54.5 | 5 | 1056.5 | 1085.4 | 169.7 | 28.9 | 36 | 3.58 | |
| 7 | 49.5-54.5 | 5 | 1085.4 | 1114.3 | 198.6 | 28.9 | 36 | 3.58 | |
| 8 | 49.5-54.5 | 5 | 1114.3 | 1144.1 | 228.4 | 29.8 | 36 | 3.58 | |
| 9 | 49.5-54.5 | 5 | 1144.1 | 1173.9 | 258.2 | 29.8 | 36 | 3.58 | |
| 10 | 49.5-54.5 | 5 | 1173.9 | 1203.8 | 288.1 | 29.9 | 36 | 3.58 | |
| | | | | | | | | | |
| 1 | 49.5-54.5 | 5 | 1290.0 | 1317.3 | 27.3 | 27.3 | 26 | 3.58 | 5 psi > ambient |
| 2 | 49.5-54.5 | 5 | 1317.3 | 1344.9 | 54.9 | 27.6 | 26 | 3.58 | |
| 3 | 49.5-54.5 | 5 | 1344.9 | 1373.8 | 83.8 | 28.9 | 26 | 3.58 | |
| 4 | 49.5-54.5 | 5 | 1373.8 | 1400.5 | 110.5 | 26.7 | 26 | 3.58 | |
| 5 | 49.5-54.5 | 5 | 1400.5 | 1428.0 | 138.0 | 27.5 | 26 | 3.58 | |
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# RECORD OF PACKER TEST

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|---|---|---|---|
| BORING NO. | MW-5 | ACCT. ABBR. | Becker Electronics |
| DIAMETER OF BORING | NX 3" | ACCT. NO. | 005048 |
| DEPTH OF BORING | 70' grade - 416.31'MSL | TYPE OF PACKER | 5' dual |
| DEPTH OF GROUNDWATER | 9.68' grade - 476.63'MSL | INSPECTOR | E. Schaper |

| TIME PERIOD (MIN.) | DEPTH TEST ZONE (FT.) GRADE | LENGTH TEST ZONE (FT.) | WATER READINGS | | TOTAL FLOW (GALS.) | FLOW PER MIN. | GAGE PRESS. (psi) | GAGE HEIGHT (FT.) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| | | | START (GALS.) | FINISH (GALS.) | | | | | |
| 1 | 54.5-59.5 | 5 | 1450.0 | 1474.0 | 24.0 | 24.0 | 29 | 3.75 | 5 psi > ambient |
| 2 | 54.5-59.5 | 5 | 1474.0 | 1499.3 | 49.3 | 25.3 | 29 | 3.75 | |
| 3 | 54.5-59.5 | 5 | 1499.3 | 1523.8 | 73.8 | 24.5 | 29 | 3.75 | |
| 4 | 54.5-59.5 | 5 | 1523.8 | 1549.8 | 99.8 | 26.0 | 29 | 3.75 | |
| 5 | 54.5-59.5 | 5 | 1549.8 | 1573.3 | 123.3 | 23.5 | 29 | 3.75 | |
| | | | | | | | | | |
| 1 | 54.5-59.5 | 5 | 1583.0 | 1607.2 | 24.2 | 24.2 | 34 | 3.75 | 10 psi > ambient |
| 2 | 54.5-59.5 | 5 | 1607.2 | 1632.1 | 49.1 | 24.9 | 34 | 3.75 | |
| 3 | 54.5-59.5 | 5 | 1632.1 | 1658.1 | 75.0 | 26.0 | 34 | 3.75 | |
| 4 | 54.5-59.5 | 5 | 1658.1 | 1674.2 | 91.2 | 16.1 | 34 | 3.75 | * breakthrough occured |
| 5 | 54.5-59.5 | 5 | 2040.0 | 2069.8 | 121.0 | 29.8 | 34 | 3.75 | |
| 6 | 54.5-59.5 | 5 | 2069.8 | 2099.9 | 151.1 | 30.1 | 34 | 3.75 | |
| 7 | 54.5-59.5 | 5 | 2099.9 | 2131.4 | 182.6 | 31.5 | 34 | 3.75 | |
| 8 | 54.5-59.5 | 5 | 2131.4 | 2161.4 | 212.6 | 30.0 | 34 | 3.75 | |
| 9 | 54.5-59.5 | 5 | 2161.4 | 2193.8 | 245.0 | 32.4 | 34 | 3.75 | |
| 10 | 54.5-59.5 | 5 | 2193.8 | 2223.6 | 274.8 | 29.8 | 34 | 3.75 | |
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# RECORD OF PACKER TEST

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|---|---|---|---|
| **BORING NO.** | MW-5 | **ACCT. ABBR.** | Becker Electronics |
| **DIAMETER OF BORING** | NX 3" | **ACCT. NO.** | 005048 |
| **DEPTH OF BORING** | 70' grade - 416.31'MSL | **TYPE OF PACKER** | 5' dual |
| **DEPTH OF GROUNDWATER** | 9.68' grade - 476.63'MSL | **INSPECTOR** | E. Schaper |

| TIME PERIOD (MIN.) | DEPTH TEST ZONE (FT.) GRADE | LENGTH TEST ZONE (FT.) | WATER READINGS | | TOTAL FLOW (GALS.) | FLOW PER MIN. | GAGE PRESS. (psi) | GAGE HEIGHT (FT.) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| | | | START (GALS.) | FINISH (GALS.) | | | | | |
| 1 | 54.5-59.5 | 5 | 2240.0 | 2276.8 | 36.8 | 36.8 | 39 | 3.75 | 15 psi > ambient |
| 2 | 54.5-59.5 | 5 | 2276.8 | 2312.0 | 72.0 | 35.2 | 39 | 3.75 | |
| 3 | 54.5-59.5 | 5 | 2312.0 | 2345.9 | 105.9 | 33.9 | 39 | 3.75 | |
| 4 | 54.5-59.5 | 5 | 2345.9 | 2381.1 | 141.1 | 35.2 | 39 | 3.75 | |
| 5 | 54.5-59.5 | 5 | 2381.1 | 2416.2 | 176.2 | 35.1 | 39 | 3.75 | |
| 6 | 54.5-59.5 | 5 | 2416.2 | 2451.6 | 211.6 | 35.4 | 39 | 3.75 | |
| 7 | 54.5-59.5 | 5 | 2451.6 | 2486.6 | 246.6 | 35.0 | 39 | 3.75 | |
| 8 | 54.5-59.5 | 5 | 2486.6 | 2522.7 | 282.7 | 36.1 | 39 | 3.75 | |
| 9 | 54.5-59.5 | 5 | 2522.7 | 2558.1 | 318.1 | 35.4 | 39 | 3.75 | |
| 10 | 54.5-59.5 | 5 | 2558.1 | 2593.7 | 353.7 | 35.6 | 39 | 3.75 | |
| | | | | | | | | | |
| 1 | 54.5-59.5 | 5 | 2888.0 | 2909.3 | 21.3 | 21.3 | 29 | 3.75 | 5 psi > ambient |
| 2 | 54.5-59.5 | 5 | 2909.3 | 2939.1 | 51.1 | 29.8 | 29 | 3.75 | |
| 3 | 54.5-59.5 | 5 | 2939.1 | 2968.5 | 80.5 | 29.4 | 29 | 3.75 | |
| 4 | 54.5-59.5 | 5 | 2968.5 | 2998.9 | 110.9 | 30.4 | 29 | 3.75 | |
| 5 | 54.5-59.5 | 5 | 2998.9 | 3028.9 | 140.9 | 30.0 | 29 | 3.75 | |
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# RECORD OF PACKER TEST

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|---|---|---|---|
| **BORING NO.** | MW-5 | **ACCT. ABBR.** | Becker Electronics |
| **DIAMETER OF BORING** | NX 3" | **ACCT. NO.** | 005048 |
| **DEPTH OF BORING** | 70' grade - 416.31'MSL | **TYPE OF PACKER** | 5' dual |
| **DEPTH OF GROUNDWATER** | 9.68' grade - 476.63'MSL | **INSPECTOR** | E. Schaper |

| TIME PERIOD (MIN.) | DEPTH TEST ZONE (FT.) GRADE | LENGTH TEST ZONE (FT.) | WATER READINGS | | TOTAL FLOW (GALS.) | FLOW PER MIN. | GAGE PRESS. (psi) | GAGE HEIGHT (FT.) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| | | | START (GALS.) | FINISH (GALS.) | | | | | |
| 1 | 62.4-67.4 | 5 | 3040.0 | 3049.0 | 9.0 | 9.0 | 32 | 3.58 | 5 psi > ambient |
| 2 | 62.4-67.4 | 5 | 3049.0 | 3057.9 | 17.9 | 8.9 | 32 | 3.58 | |
| 3 | 62.4-67.4 | 5 | 3057.9 | 3066.7 | 26.7 | 8.8 | 32 | 3.58 | |
| 4 | 62.4-67.4 | 5 | 3066.7 | 3075.3 | 35.3 | 8.6 | 32 | 3.58 | |
| 5 | 62.4-67.4 | 5 | 3075.3 | 3084.0 | 44.0 | 8.7 | 32 | 3.58 | |
| | | | | | | | | | |
| 1 | 62.4-67.4 | 5 | 3091.0 | 3101.6 | 10.6 | 10.6 | 37 | 3.58 | 10 psi > ambient |
| 2 | 62.4-67.4 | 5 | 3101.6 | 3112.0 | 21.0 | 10.4 | 37 | 3.58 | |
| 3 | 62.4-67.4 | 5 | 3112.0 | 3122.7 | 31.7 | 10.7 | 37 | 3.58 | |
| 4 | 62.4-67.4 | 5 | 3122.7 | 3133.2 | 42.2 | 10.5 | 37 | 3.58 | |
| 5 | 62.4-67.4 | 5 | 3133.2 | 3143.8 | 52.8 | 10.6 | 37 | 3.58 | |
| 6 | 62.4-67.4 | 5 | 3143.8 | 3154.2 | 63.2 | 10.4 | 37 | 3.58 | |
| 7 | 62.4-67.4 | 5 | 3154.2 | 3164.8 | 73.8 | 10.6 | 37 | 3.58 | |
| 8 | 62.4-67.4 | 5 | 3164.8 | 3175.3 | 84.3 | 10.5 | 37 | 3.58 | |
| 9 | 62.4-67.4 | 5 | 3175.3 | 3185.7 | 94.7 | 10.4 | 37 | 3.58 | |
| 10 | 62.4-67.4 | 5 | 3185.7 | 3196.2 | 105.2 | 10.5 | 37 | 3.58 | |
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# RECORD OF PACKER TEST

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|---|---|---|---|
| **BORING NO.** | MW-5 | **ACCT. ABBR.** | Becker Electronics |
| **DIAMETER OF BORING** | NX 3" | **ACCT. NO.** | 005048 |
| **DEPTH OF BORING** | 70' grade - 416.31'MSL | **TYPE OF PACKER** | 5' dual |
| **DEPTH OF GROUNDWATER** | 9.68' grade - 476.63'MSL | **INSPECTOR** | E. Schaper |

| TIME PERIOD (MIN.) | DEPTH TEST ZONE (FT.) GRADE | LENGTH TEST ZONE (FT.) | WATER READINGS | | TOTAL FLOW (GALS.) | FLOW PER MIN. | GAGE PRESS. (psi) | GAGE HEIGHT (FT.) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| | | | START (GALS.) | FINISH (GALS.) | | | | | |
| 1 | 62.4-67.4 | 5 | 3203.0 | 3215.1 | 12.1 | 12.1 | 42 | 3.58 | 15 psi > ambient |
| 2 | 62.4-67.4 | 5 | 3215.1 | 3226.7 | 23.7 | 11.6 | 42 | 3.58 | |
| 3 | 62.4-67.4 | 5 | 3226.7 | 3238.6 | 35.6 | 11.9 | 42 | 3.58 | |
| 4 | 62.4-67.4 | 5 | 3238.6 | 3250.2 | 47.2 | 11.6 | 42 | 3.58 | |
| 5 | 62.4-67.4 | 5 | 3250.2 | 3262.2 | 59.2 | 12.0 | 42 | 3.58 | |
| 6 | 62.4-67.4 | 5 | 3262.2 | 3274.8 | 71.8 | 12.6 | 42 | 3.58 | |
| 7 | 62.4-67.4 | 5 | 3274.8 | 3285.5 | 82.5 | 10.7 | 42 | 3.58 | |
| 8 | 62.4-67.4 | 5 | 3285.5 | 3297.4 | 94.4 | 11.9 | 42 | 3.58 | |
| 9 | 62.4-67.4 | 5 | 3297.4 | 3309.2 | 106.2 | 11.8 | 42 | 3.58 | |
| 10 | 62.4-67.4 | 5 | 3309.2 | 3321.2 | 118.2 | 12.0 | 42 | 3.58 | |
| | | | | | | | | | |
| 1 | 62.4-67.4 | 5 | 3327.0 | 3336.0 | 9.0 | 9.0 | 32 | 3.58 | 5 psi > ambient |
| 2 | 62.4-67.4 | 5 | 3336.0 | 3346.5 | 19.5 | 10.5 | 32 | 3.58 | |
| 3 | 62.4-67.4 | 5 | 3346.5 | 3354.1 | 27.1 | 7.6 | 32 | 3.58 | |
| 4 | 62.4-67.4 | 5 | 3354.1 | 3361.8 | 34.8 | 7.7 | 32 | 3.58 | |
| 5 | 62.4-67.4 | 5 | 3361.8 | 3372.5 | 45.5 | 10.7 | 32 | 3.58 | |
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# RECORD OF PACKER TEST

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|---|---|---|---|
| **BORING NO.** | MW-6 | **ACCT. ABBR.** | Becker Electronics |
| **DIAMETER OF BORING** | NX-3" | **ACCT. NO.** | 005048 |
| **DEPTH OF BORING** | 74.81' from grade-411.41' MSL | **TYPE OF PACKER** | 5' dual |
| **DEPTH OF GROUNDWATER** | 7.75' from grade - 478.47' MSL | **INSPECTOR** | D. Beal |

| TIME PERIOD (MIN.) | DEPTH TEST ZONE (FT.) GRADE | LENGTH TEST ZONE (FT.) | WATER READINGS | | TOTAL FLOW (GALS.) | FLOW PER MIN. | GAGE PRESS. (psi) | GAGE HEIGHT (FT.) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| | | | START (GALS.) | FINISH (GALS.) | | | | | |
| 1 | 48.5-53.5 | 5' | 94.0 | 97.4 | 3.4 | 3.4 | 27 | 6.38 | 5 psi > ambient |
| 2 | 48.5-53.5 | 5' | 97.4 | 101.7 | 7.7 | 4.3 | 27 | 6.38 | |
| 3 | 48.5-53.5 | 5' | 101.7 | 104.0 | 10.0 | 2.3 | 27 | 6.38 | |
| 4 | 48.5-53.5 | 5' | 104.0 | 107.6 | 13.6 | 3.6 | 27 | 6.38 | |
| 5 | 48.5-53.5 | 5' | 107.6 | 110.0 | 16.0 | 2.4 | 27 | 6.38 | |
| | | | | | | | | | |
| 1 | 48.5-53.5 | 5' | 28.0 | 32.5 | 4.5 | 4.5 | 32 | 6.38 | 10 psi > ambient |
| 2 | 48.5-53.5 | 5' | 32.5 | 37.0 | 9.0 | 4.5 | 32 | 6.38 | |
| 3 | 48.5-53.5 | 5' | 37.0 | 41.6 | 13.6 | 4.6 | 32 | 6.38 | |
| 4 | 48.5-53.5 | 5' | 41.6 | 46.2 | 18.2 | 4.6 | 32 | 6.38 | |
| 5 | 48.5-53.5 | 5' | 46.2 | 50.7 | 22.7 | 4.5 | 32 | 6.38 | |
| 6 | 48.5-53.5 | 5' | 50.7 | 55.4 | 27.4 | 4.7 | 32 | 6.38 | |
| 7 | 48.5-53.5 | 5' | 55.4 | 60.2 | 32.2 | 4.8 | 32 | 6.38 | |
| 8 | 48.5-53.5 | 5' | 60.2 | 65.3 | 37.3 | 5.1 | 32 | 6.38 | |
| 9 | 48.5-53.5 | 5' | 65.3 | 70.1 | 42.1 | 4.8 | 32 | 6.38 | |
| 10 | 48.5-53.5 | 5' | 70.1 | 75.0 | 47.0 | 4.9 | 32 | 6.38 | |
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# RECORD OF PACKER TEST

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|---|---|---|---|
| **BORING NO.** | MW-6 | **ACCT. ABBR.** | Becker Electronics |
| **DIAMETER OF BORING** | NX-3" | **ACCT. NO.** | 005048 |
| **DEPTH OF BORING** | 74.81' from grade-411.41' MSL | **TYPE OF PACKER** | 5' dual |
| **DEPTH OF GROUNDWATER** | 8.47' from grade - 480.28' MSL | **INSPECTOR** | D. Beal |

| TIME PERIOD (MIN.) | DEPTH TEST ZONE (FT.) GRADE | LENGTH TEST ZONE (FT.) | WATER READINGS | | TOTAL FLOW (GALS.) | FLOW PER MIN. | GAGE PRESS. (psi) | GAGE HEIGHT (FT.) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| | | | START (GALS.) | FINISH (GALS.) | | | | | |
| 1 | 48.5-53.5 | 5' | 87.0 | 92.6 | 5.6 | 5.6 | 37 | 6.38 | 15 psi > ambient |
| 2 | 48.5-53.5 | 5' | 92.6 | 98.2 | 11.2 | 5.6 | 37 | 6.38 | |
| 3 | 48.5-53.5 | 5' | 98.2 | 103.8 | 16.8 | 5.6 | 37 | 6.38 | |
| 4 | 48.5-53.5 | 5' | 103.8 | 109.3 | 22.3 | 5.5 | 37 | 6.38 | |
| 5 | 48.5-53.5 | 5' | 109.3 | 114.9 | 27.9 | 5.6 | 37 | 6.38 | |
| 6 | 48.5-53.5 | 5' | 114.9 | 120.5 | 33.5 | 5.6 | 37 | 6.38 | |
| 7 | 48.5-53.5 | 5' | 120.5 | 126.1 | 39.1 | 5.6 | 37 | 6.38 | |
| 8 | 48.5-53.5 | 5' | 126.1 | 131.6 | 44.6 | 5.5 | 37 | 6.38 | |
| 9 | 48.5-53.5 | 5' | 131.6 | 137.2 | 50.2 | 5.6 | 37 | 6.38 | |
| 10 | 48.5-53.5 | 5' | 137.2 | 142.8 | 55.8 | 5.6 | 37 | 6.38 | |
| | | | | | | | | | |
| 1 | 48.5-53.5 | 5' | 54.0 | 57.1 | 3.1 | 3.1 | 27 | 6.38 | 5 psi > ambient |
| 2 | 48.5-53.5 | 5' | 57.1 | 60.1 | 6.1 | 3.0 | 27 | 6.38 | |
| 3 | 48.5-53.5 | 5' | 60.1 | 63.1 | 9.1 | 3.0 | 27 | 6.38 | |
| 4 | 48.5-53.5 | 5' | 63.1 | 66.2 | 12.2 | 3.1 | 27 | 6.38 | |
| 5 | 48.5-53.5 | 5' | 66.2 | 69.2 | 15.2 | 3.0 | 27 | 6.38 | |
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# RECORD OF PACKER TEST

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|---|---|---|---|
| **BORING NO.** | MW-6 | **ACCT. ABBR.** | Becker Electronics |
| **DIAMETER OF BORING** | NX 3" | **ACCT. NO.** | 005048 |
| **DEPTH OF BORING** | 74.81' from grade-411.41' MSL | **TYPE OF PACKER** | 5' dual |
| **DEPTH OF GROUNDWATER** | 8.47' from grade-480.28' MSL | **INSPECTOR** | D. Beal |

| TIME PERIOD (MIN.) | DEPTH TEST ZONE (FT.) GRADE | LENGTH TEST ZONE (FT.) | WATER READINGS | | TOTAL FLOW (GALS.) | FLOW PER MIN. | GAGE PRESS. (psi) | GAGE HEIGHT (FT.) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| | | | START (GALS.) | FINISH (GALS.) | | | | | |
| 1 | 53.5-58.5 | 5' | 142.8 | 142.8 | 0.0 | 0.0 | 27 | 1.46 | 5 psi > ambient No Flow |
| 2 | 53.5-58.5 | 5' | 142.8 | 142.8 | 0.0 | 0.0 | 27 | 1.46 | |
| 3 | 53.5-58.5 | 5' | 142.8 | 142.8 | 0.0 | 0.0 | 27 | 1.46 | |
| 4 | 53.5-58.5 | 5' | 142.8 | 142.8 | 0.0 | 0.0 | 27 | 1.46 | |
| 5 | 53.5-58.5 | 5' | 142.8 | 142.8 | 0.0 | 0.0 | 27 | 1.46 | |
| | | | | | | | | | |
| 1 | 53.5-58.5 | 5' | 142.8 | 142.8 | 0.0 | 0.0 | 32 | 1.46 | 10 psi > ambient No Flow |
| 2 | 53.5-58.5 | 5' | 142.8 | 142.8 | 0.0 | 0.0 | 32 | 1.46 | |
| 3 | 53.5-58.5 | 5' | 142.8 | 142.8 | 0.0 | 0.0 | 32 | 1.46 | |
| 4 | 53.5-58.5 | 5' | 142.8 | 142.8 | 0.0 | 0.0 | 32 | 1.46 | |
| 5 | 53.5-58.5 | 5' | 142.8 | 142.8 | 0.0 | 0.0 | 32 | 1.46 | |
| 6 | 53.5-58.5 | 5' | 142.8 | 142.8 | 0.0 | 0.0 | 32 | 1.46 | |
| 7 | 53.5-58.5 | 5' | 142.8 | 142.8 | 0.0 | 0.0 | 32 | 1.46 | |
| 8 | 53.5-58.5 | 5' | 142.8 | 142.8 | 0.0 | 0.0 | 32 | 1.46 | |
| 9 | 53.5-58.5 | 5' | 142.8 | 142.8 | 0.0 | 0.0 | 32 | 1.46 | |
| 10 | 53.5-58.5 | 5' | 142.8 | 142.8 | 0.0 | 0.0 | 32 | 1.46 | |
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# RECORD OF PACKER TEST

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|---|---|---|---|
| **BORING NO.** | MW-6 | **ACCT. ABBR.** | Becker Electronics |
| **DIAMETER OF BORING** | NX 3" | **ACCT. NO.** | 005048 |
| **DEPTH OF BORING** | 74.81' from grade-411.41' MSL | **TYPE OF PACKER** | 5' dual |
| **DEPTH OF GROUNDWATER** | 8.47' from grade-480.28' MSL | **INSPECTOR** | D. Beal |

| TIME PERIOD (MIN.) | DEPTH TEST ZONE (FT.) GRADE | LENGTH TEST ZONE (FT.) | WATER READINGS | | TOTAL FLOW (GALS.) | FLOW PER MIN. | GAGE PRESS. (psi) | GAGE HEIGHT (FT.) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| | | | START (GALS.) | FINISH (GALS.) | | | | | |
| 1 | 53.5-58.5 | 5' | 142.8 | 142.8 | 0.0 | 0.0 | 27 | 1.46 | 5 psi > ambient No Flow |
| 2 | 53.5-58.5 | 5' | 142.8 | 142.8 | 0.0 | 0.0 | 27 | 1.46 | |
| 3 | 53.5-58.5 | 5' | 142.8 | 142.8 | 0.0 | 0.0 | 27 | 1.46 | |
| 4 | 53.5-58.5 | 5' | 142.8 | 142.8 | 0.0 | 0.0 | 27 | 1.46 | |
| 5 | 53.5-58.5 | 5' | 142.8 | 142.8 | 0.0 | 0.0 | 27 | 1.46 | |
| | | | | | | | | | |
| 1 | 53.5-58.5 | 5' | 142.8 | 142.8 | 0.0 | 0.0 | 32 | 1.46 | 10 psi > ambient No Flow |
| 2 | 53.5-58.5 | 5' | 142.8 | 142.8 | 0.0 | 0.0 | 32 | 1.46 | |
| 3 | 53.5-58.5 | 5' | 142.8 | 142.8 | 0.0 | 0.0 | 32 | 1.46 | |
| 4 | 53.5-58.5 | 5' | 142.8 | 142.8 | 0.0 | 0.0 | 32 | 1.46 | |
| 5 | 53.5-58.5 | 5' | 142.8 | 142.8 | 0.0 | 0.0 | 32 | 1.46 | |
| 6 | 53.5-58.5 | 5' | 142.8 | 142.8 | 0.0 | 0.0 | 32 | 1.46 | |
| 7 | 53.5-58.5 | 5' | 142.8 | 142.8 | 0.0 | 0.0 | 32 | 1.46 | |
| 8 | 53.5-58.5 | 5' | 142.8 | 142.8 | 0.0 | 0.0 | 32 | 1.46 | |
| 9 | 53.5-58.5 | 5' | 142.8 | 142.8 | 0.0 | 0.0 | 32 | 1.46 | |
| 10 | 53.5-58.5 | 5' | 142.8 | 142.8 | 0.0 | 0.0 | 32 | 1.46 | |
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# RECORD OF PACKER TEST

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|---|---|---|---|
| **BORING NO.** | MW-6 | **ACCT. ABBR.** | Becker Electronics |
| **DIAMETER OF BORING** | NX 3" | **ACCT. NO.** | 005048 |
| **DEPTH OF BORING** | 74.81' from grade-411.41'MSL | **TYPE OF PACKER** | 5' dual |
| **DEPTH OF GROUNDWATER** | 8.47' from grade-480.28'MSL | **INSPECTOR** | D. Beal |

| TIME PERIOD (MIN.) | DEPTH TEST ZONE (FT.) GRADE | LENGTH TEST ZONE (FT.) | WATER READINGS | | TOTAL FLOW (GALS.) | FLOW PER MIN. | GAGE PRESS. (psi) | GAGE HEIGHT (FT.) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| | | | START (GALS.) | FINISH (GALS.) | | | | | |
| 1 | 62.3-67.3 | 5 | 142.8 | 142.8 | 0.0 | 0.0 | 27 | 2.75 | 5psi > 7 ambient No flow |
| 2 | 62.3-67.3 | 5 | 142.8 | 142.8 | 0.0 | 0.0 | 27 | 2.75 | |
| 3 | 62.3-67.3 | 5 | 142.8 | 142.8 | 0.0 | 0.0 | 27 | 2.75 | |
| 4 | 62.3-67.3 | 5 | 142.8 | 142.8 | 0.0 | 0.0 | 27 | 2.75 | |
| 5 | 62.3-67.3 | 5 | 142.8 | 142.8 | 0.0 | 0.0 | 27 | 2.75 | |
| | | | | | | | | | |
| 1 | 62.3-67.3 | 5 | 142.8 | 142.8 | 0.0 | 0.0 | 32 | 2.75 | 10 psi > ambient No flow |
| 2 | 62.3-67.3 | 5 | 142.8 | 142.8 | 0.0 | 0.0 | 32 | 2.75 | |
| 3 | 62.3-67.3 | 5 | 142.8 | 142.8 | 0.0 | 0.0 | 32 | 2.75 | |
| 4 | 62.3-67.3 | 5 | 142.8 | 142.8 | 0.0 | 0.0 | 32 | 2.75 | |
| 5 | 62.3-67.3 | 5 | 142.8 | 142.8 | 0.0 | 0.0 | 32 | 2.75 | |
| 6 | 62.3-67.3 | 5 | 142.8 | 142.8 | 0.0 | 0.0 | 32 | 2.75 | |
| 7 | 62.3-67.3 | 5 | 142.8 | 142.8 | 0.0 | 0.0 | 32 | 2.75 | |
| 8 | 62.3-67.3 | 5 | 142.8 | 142.8 | 0.0 | 0.0 | 32 | 2.75 | |
| 9 | 62.3-67.3 | 5 | 142.8 | 142.8 | 0.0 | 0.0 | 32 | 2.75 | |
| 10 | 62.3-67.3 | 5 | 142.8 | 142.8 | 0.0 | 0.0 | 32 | 2.75 | |
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# RECORD OF PACKER TEST

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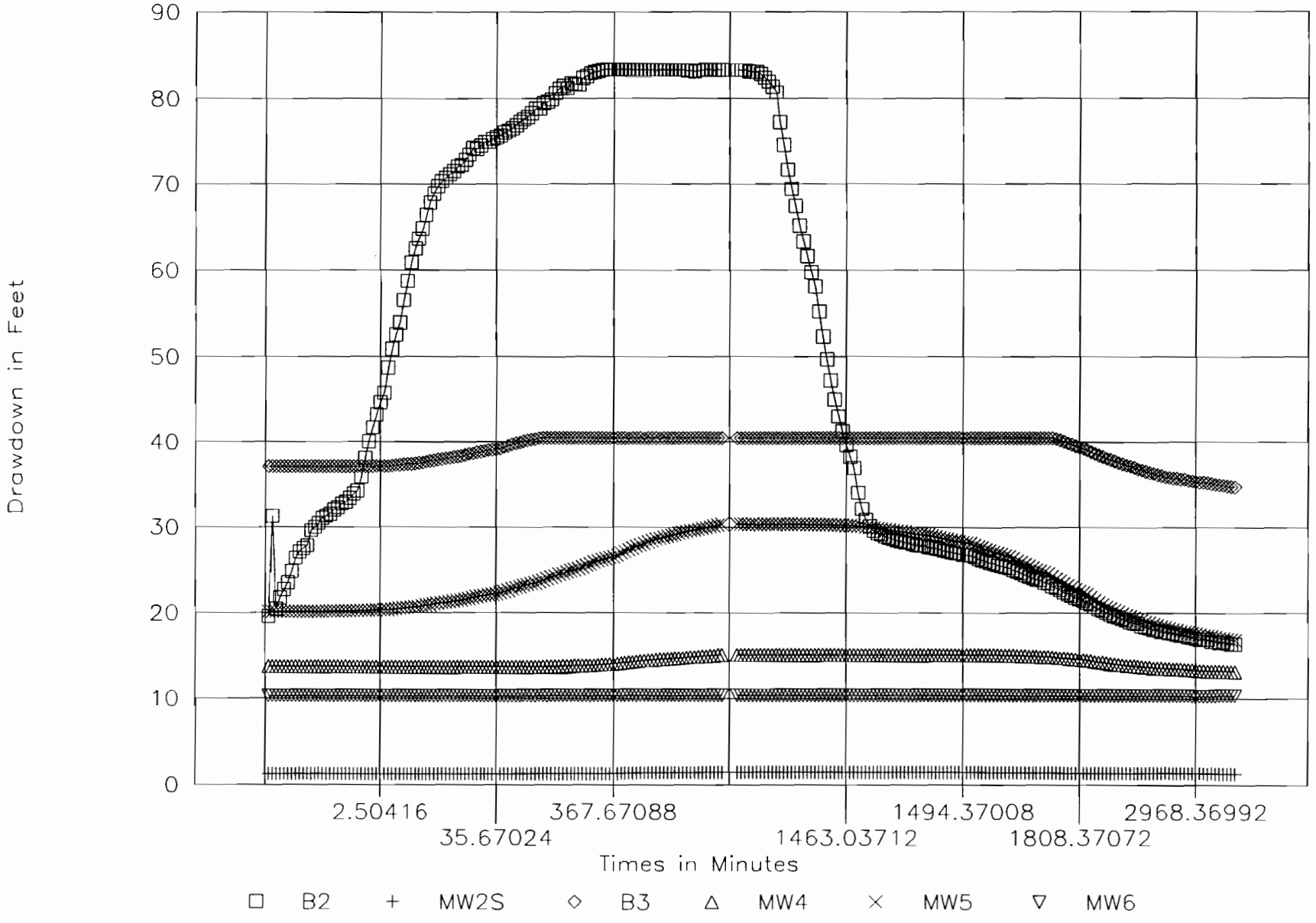
|---|---|---|---|
| **BORING NO.** | MW-6 | **ACCT. ABBR.** | Becker Electronics |
| **DIAMETER OF BORING** | NX 3" | **ACCT. NO.** | 005048 |
| **DEPTH OF BORING** | 74.81' from grade - 411.41'MSL | **TYPE OF PACKER** | 5' dual |
| **DEPTH OF GROUNDWATER** | 8.47' from grade - 480.28'MSL | **INSPECTOR** | D. Beal |

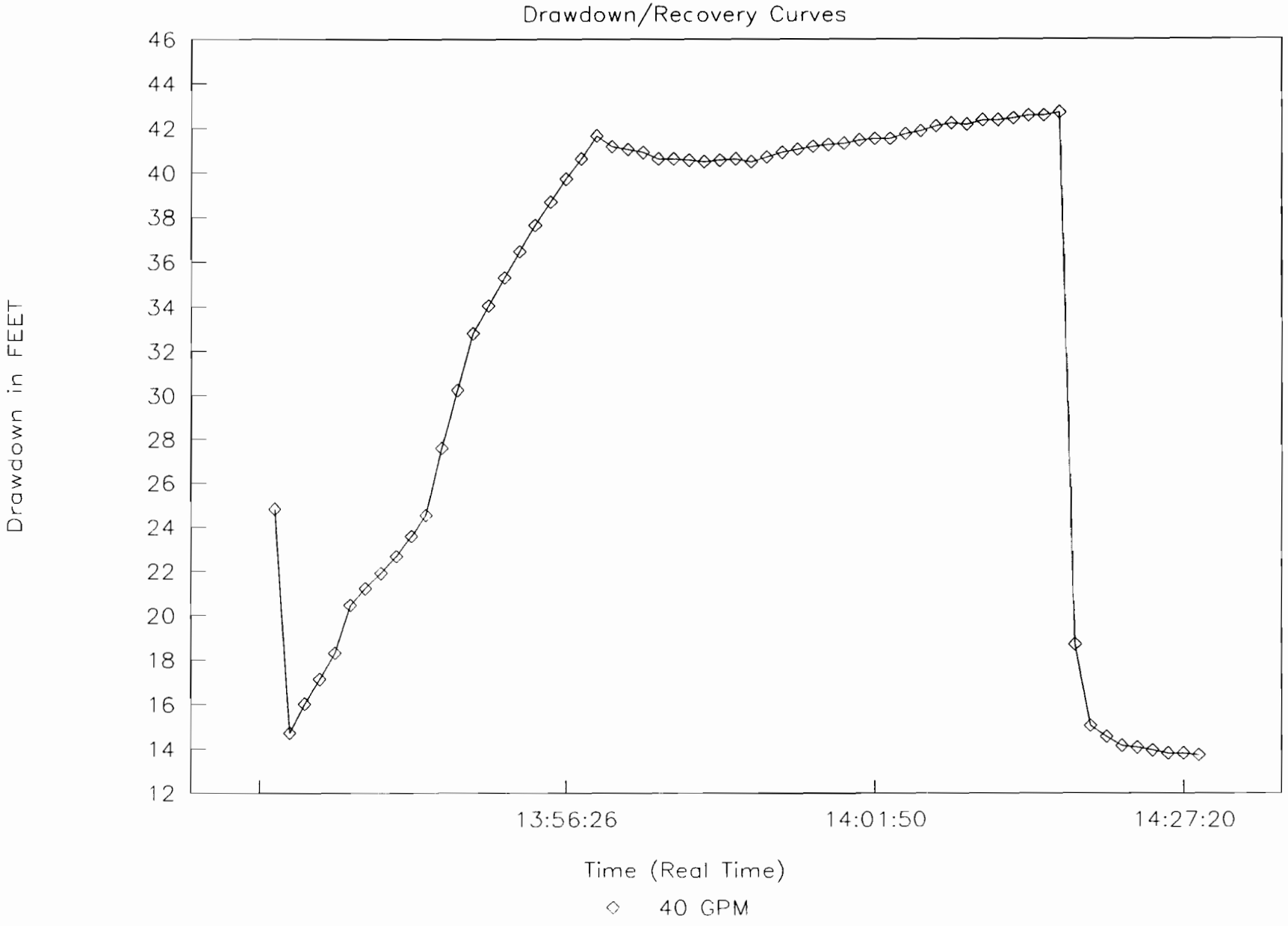
| TIME PERIOD (MIN.) | DEPTH TEST ZONE (FT.) GRADE | LENGTH TEST ZONE (FT.) | WATER READINGS | | TOTAL FLOW (GALS.) | FLOW PER MIN. | GAGE PRESS. (psi) | GAGE HEIGHT (FT.) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| | | | START (GALS.) | FINISH (GALS.) | | | | | |
| 1 | 62.3-67.3 | 5 | 142.8 | 142.8 | 0.0 | 0.0 | 27 | 2.75 | 5 psi > ambient No Flow |
| 2 | 62.3-67.3 | 5 | 142.8 | 142.8 | 0.0 | 0.0 | 27 | 2.75 | |
| 3 | 62.3-67.3 | 5 | 142.8 | 142.8 | 0.0 | 0.0 | 27 | 2.75 | |
| 4 | 62.3-67.3 | 5 | 142.8 | 142.8 | 0.0 | 0.0 | 27 | 2.75 | |
| 5 | 62.3-67.3 | 5 | 142.8 | 142.8 | 0.0 | 0.0 | 27 | 2.75 | |
| | | | | | | | | | |
| 1 | 62.3-67.3 | 5 | 142.8 | 142.8 | 0.0 | 0.0 | 32 | 2.75 | 10 psi > ambient No flow |
| 2 | 62.3-67.3 | 5 | 142.8 | 142.8 | 0.0 | 0.0 | 32 | 2.75 | |
| 3 | 62.3-67.3 | 5 | 142.8 | 142.8 | 0.0 | 0.0 | 32 | 2.75 | |
| 4 | 62.3-67.3 | 5 | 142.8 | 142.8 | 0.0 | 0.0 | 32 | 2.75 | |
| 5 | 62.3-67.3 | 5 | 142.8 | 142.8 | 0.0 | 0.0 | 32 | 2.75 | |
| 6 | 62.3-67.3 | 5 | 142.8 | 142.8 | 0.0 | 0.0 | 32 | 2.75 | |
| 7 | 62.3-67.3 | 5 | 142.8 | 142.8 | 0.0 | 0.0 | 32 | 2.75 | |
| 8 | 62.3-67.3 | 5 | 142.8 | 142.8 | 0.0 | 0.0 | 32 | 2.75 | |
| 9 | 62.3-67.3 | 5 | 142.8 | 142.8 | 0.0 | 0.0 | 32 | 2.75 | |
| 10 | 62.3-67.3 | 5 | 142.8 | 142.8 | 0.0 | 0.0 | 32 | 2.75 | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

# BECKER PUMP TEST

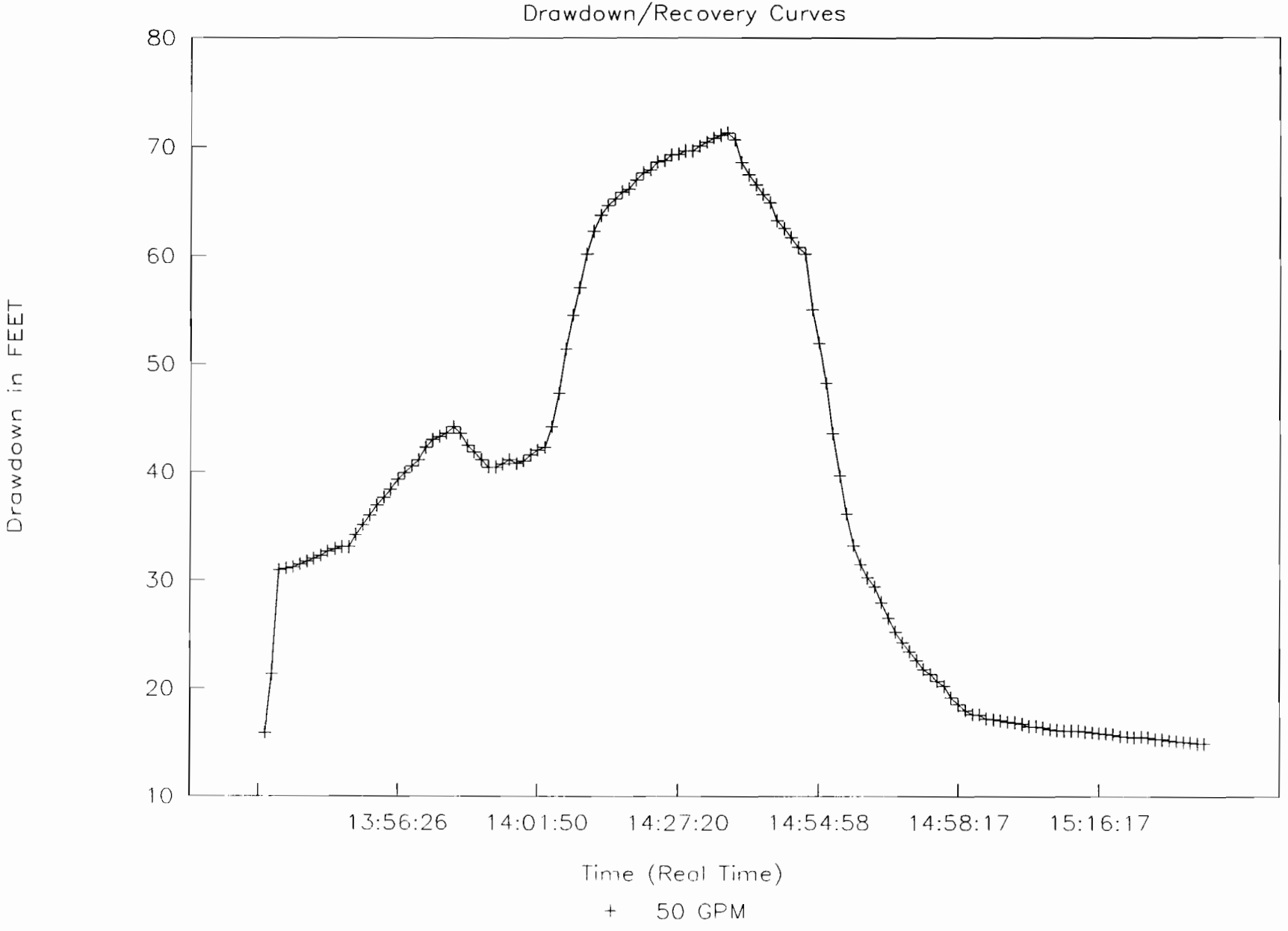
## DRAWDOWN/RECOVERY CURVES



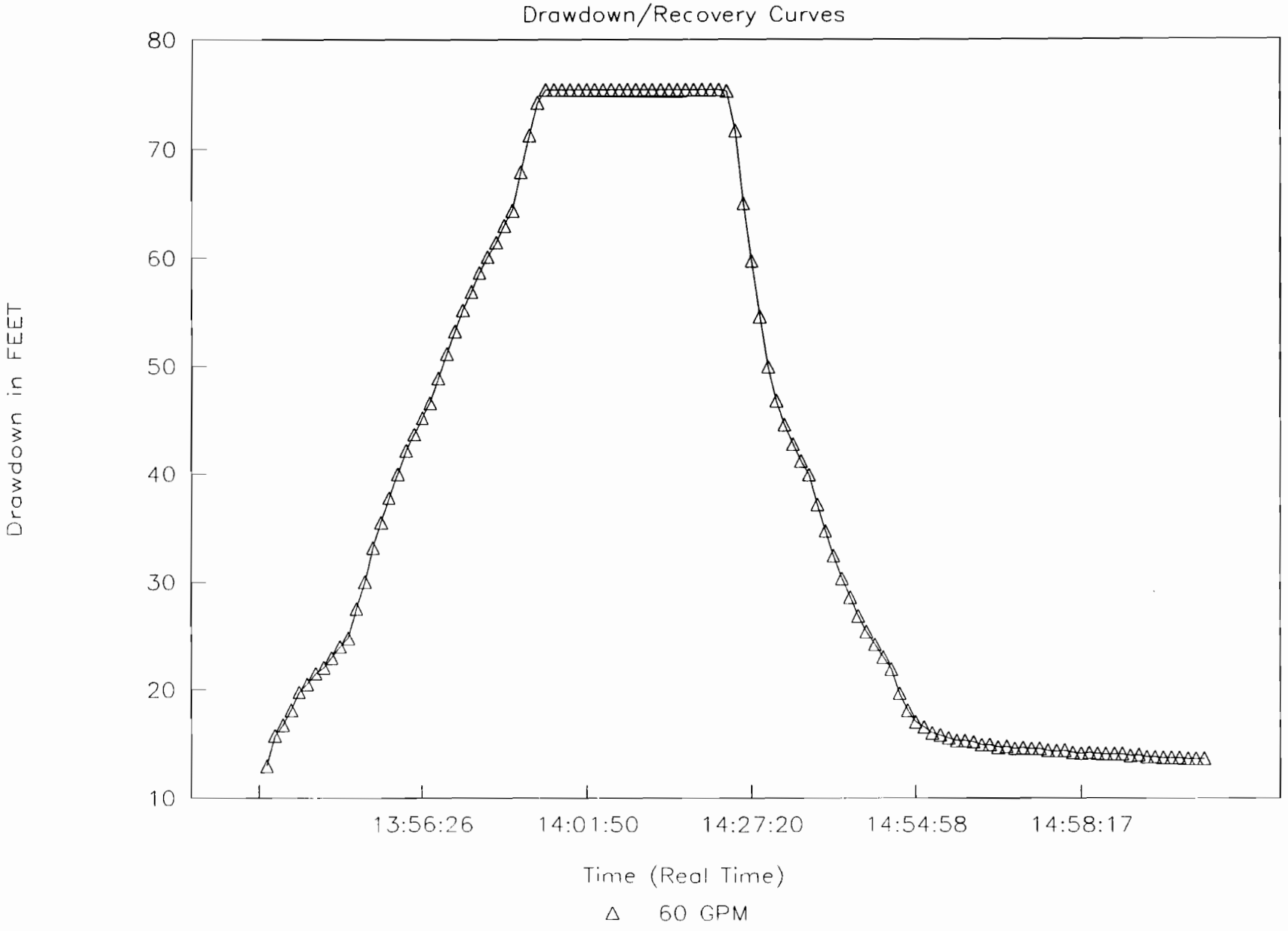
# BECKER STEP DRAWDOWN TEST – WELL # 2



# BECKER STEP DRAWDOWN TEST – WELL # 2



# BECKER STEP DRAWDOWN TEST – WELL # 2



$$T = \frac{2.4Q}{\Delta s} = \frac{2.4 \cdot 4474.57}{8.95} = 1200 \text{ m}^2/\text{d}$$

$$S = 0.3 \frac{Tt_0}{r^2} = \frac{0.3 \cdot 4474.57 \cdot 4.8 \cdot 10^{-3}}{37.5^2} = \frac{6.45}{1406.25} = 8.85 \cdot 10^{-5}$$

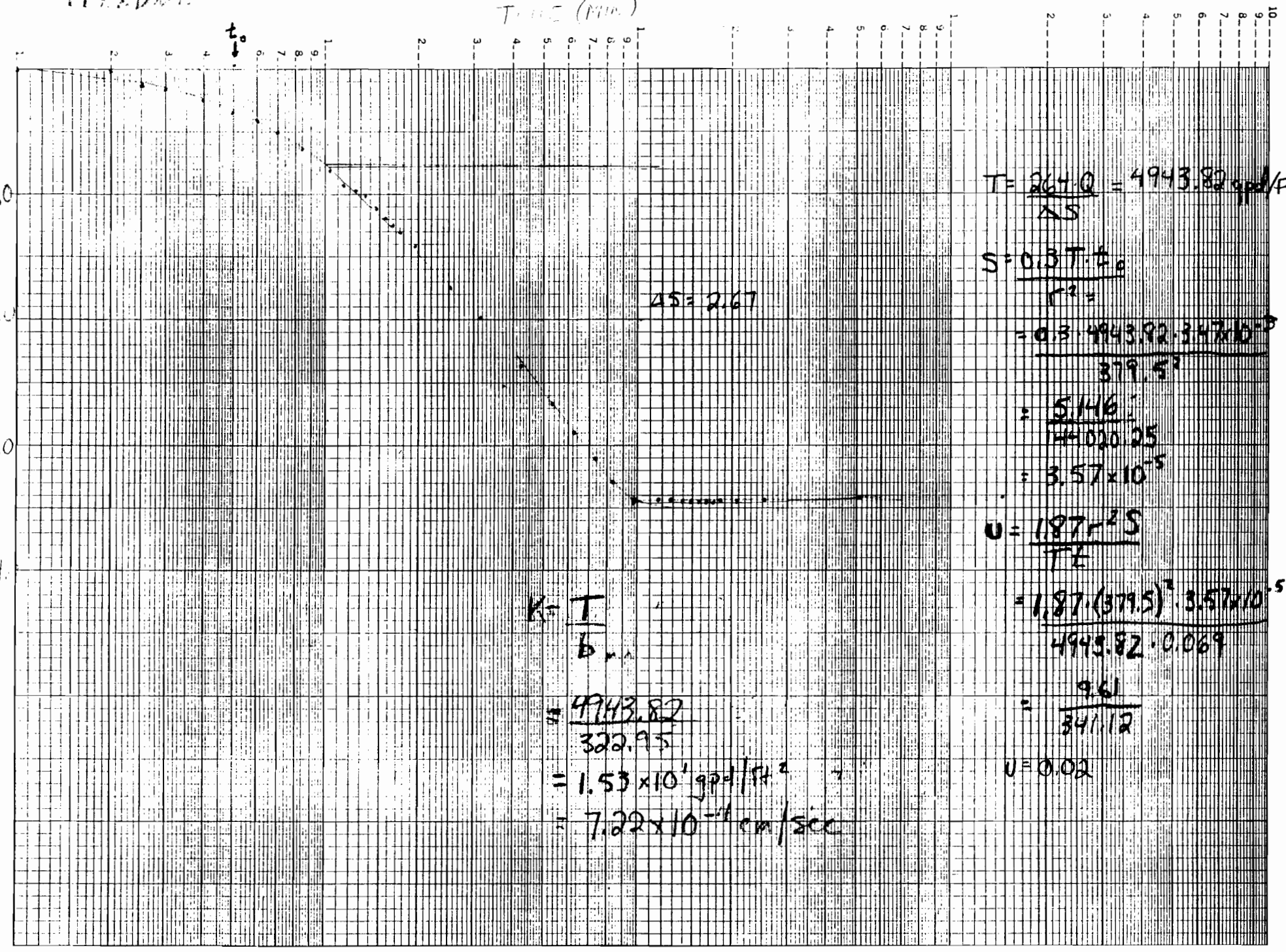
$$u = 1.87 \frac{r^2 S}{T t_0} = \frac{1.87 \cdot 37.5^2 \cdot 8.85 \cdot 10^{-5}}{4474.57 \cdot 4.8 \cdot 10^{-3}} = 0.064$$

$$u = 0.03$$

$$\Delta s = 8.95$$

$$K = \frac{T}{b} = \frac{4474.57}{32.95} = 135.8 \text{ m}^2/\text{d} = 1.58 \cdot 10^{-3} \text{ m}^2/\text{sec}$$

$$k = 6.54 \cdot 10^{-4} \text{ m/sec}$$




$$T = \frac{264\,Q}{\Delta S} = \frac{264 \cdot 18}{\Delta S} = 4943.82 \text{ gpd/ft}$$

$$S = \frac{0.3\,T \cdot t_o}{r^2} = \frac{0.3 \cdot 4943.82 \cdot 3.47 \times 10^{-3}}{379.5^2} = \frac{5.146}{144020.25} = 3.57 \times 10^{-5}$$

$$u = \frac{1.87\,r^2 S}{T t} = \frac{1.87 \cdot (379.5)^2 \cdot 3.57 \times 10^{-5}}{4943.82 \cdot 0.069} = \frac{9.61}{341.12}$$

$u = 0.02$

$$K = \frac{T}{b_{ave}} = \frac{4943.82}{322.95} = 1.53 \times 10^{1} \text{ gpd/ft}^2 = 7.22 \times 10^{-4} \text{ cm/sec}$$

Date Friday December 14, 1990 4:28 PM
PlotFile C:\TERRACOM\BKRSTP01.PRN
DataFile C:\TERRACOM\BKRSTP.HEX
Becker Step Test
Time of First Log in Specified Window
12/14/90 10:43:21

40 GPM

| Date | Time | Analog#01 B2/30psi... ft | Analog#02 MW2S/10psi. ft | Analog#03 B3/10psi... ft | Analog#05 MW5/10psi.. ft | Analog#06 MW6/5psi... ft |
|---|---|---|---|---|---|---|
| Date Friday December 14, 1990 4:28 PM | | | | | | |
| PlotFile C:\TERRACOM\BKRSTP01.PRN | | | | | | |
| DataFile C:\TERRACOM\BKRSTP.HEX | | | | | | |
| Becker Step Test | | | | | | |
| Time of First Log in Specified Window | | | | | | |
| 12/14/90 | 10:43:21 | | | | | |
| 40 GPM | | | | | | |
| 12/14/90 | 10:43:21 | 24.821 | 1.376 | 31.257 | 8.6128 | 10.461 |
| 12/14/90 | 10:43:22 | 14.703 | 1.376 | 31.257 | 8.6128 | 10.461 |
| 12/14/90 | 10:43:23 | 16.02 | 1.376 | 31.257 | 8.6243 | 10.461 |
| 12/14/90 | 10:43:24 | 17.129 | 1.376 | 31.257 | 8.6128 | 10.461 |
| 12/14/90 | 10:43:25 | 18.307 | 1.376 | 31.257 | 8.6243 | 10.461 |
| 12/14/90 | 10:43:27 | 20.455 | 1.376 | 31.234 | 8.6128 | 10.461 |
| 12/14/90 | 10:43:28 | 21.217 | 1.3529 | 31.257 | 8.6243 | 10.461 |
| 12/14/90 | 10:43:29 | 21.91 | 1.376 | 31.257 | 8.6128 | 10.472 |
| 12/14/90 | 10:43:29 | 22.673 | 1.376 | 31.257 | 8.6128 | 10.461 |
| 12/14/90 | 10:43:30 | 23.574 | 1.376 | 31.257 | 8.6128 | 10.461 |
| 12/14/90 | 10:43:31 | 24.544 | 1.376 | 31.257 | 8.6128 | 10.472 |
| 12/14/90 | 10:43:36 | 27.593 | 1.376 | 31.234 | 8.6128 | 10.472 |
| 12/14/90 | 10:43:41 | 30.226 | 1.376 | 31.257 | 8.6128 | 10.472 |
| 12/14/90 | 10:43:46 | 32.791 | 1.3529 | 31.257 | 8.6243 | 10.461 |
| 12/14/90 | 10:43:51 | 34.038 | 1.376 | 31.257 | 8.6243 | 10.472 |
| 12/14/90 | 10:43:56 | 35.285 | 1.376 | 31.257 | 8.6359 | 10.472 |
| 12/14/90 | 10:44:01 | 36.463 | 1.376 | 31.257 | 8.6359 | 10.461 |
| 12/14/90 | 10:44:06 | 37.642 | 1.376 | 31.234 | 8.6359 | 10.472 |
| 12/14/90 | 10:44:11 | 38.681 | 1.376 | 31.257 | 8.6359 | 10.461 |
| 12/14/90 | 10:44:16 | 39.721 | 1.3529 | 31.257 | 8.6474 | 10.461 |
| 12/14/90 | 10:44:21 | 40.621 | 1.376 | 31.257 | 8.6474 | 10.461 |
| 12/14/90 | 10:44:31 | 41.661 | 1.3529 | 31.257 | 8.6705 | 10.461 |
| 12/14/90 | 10:44:41 | 41.176 | 1.376 | 31.257 | 8.6821 | 10.461 |
| 12/14/90 | 10:44:51 | 41.037 | 1.3529 | 31.28 | 8.6936 | 10.461 |
| 12/14/90 | 10:45:01 | 40.899 | 1.3529 | 31.28 | 8.7052 | 10.461 |
| 12/14/90 | 10:45:11 | 40.621 | 1.376 | 31.303 | 8.7052 | 10.472 |
| 12/14/90 | 10:45:21 | 40.621 | 1.3529 | 31.326 | 8.7283 | 10.461 |
| 12/14/90 | 10:45:31 | 40.552 | 1.3529 | 31.326 | 8.7398 | 10.461 |
| 12/14/90 | 10:45:41 | 40.483 | 1.376 | 31.349 | 8.7514 | 10.461 |
| 12/14/90 | 10:45:51 | 40.552 | 1.3529 | 31.372 | 8.7629 | 10.461 |
| 12/14/90 | 10:46:01 | 40.621 | 1.376 | 31.372 | 8.7745 | 10.461 |
| 12/14/90 | 10:46:31 | 40.483 | 1.376 | 31.442 | 8.786 | 10.461 |
| 12/14/90 | 10:47:01 | 40.691 | 1.3529 | 31.488 | 8.8322 | 10.461 |

Date Friday December 14, 1990 4:28 PM
PlotFile C:\TERRACOM\BKRSTP01.PRN
DataFile C:\TERRACOM\BKRSTP.HEX
Becker Step Test
Time of First Log in Specified Window
12/14/90 10:43:21

40 GPM

| Date | Time | Analog#01 B2/30psi... ft..... | Analog#02 MW2S/10psi. ft..... | Analog#03 B3/10psi... ft..... | Analog#05 MW5/10psi.. ft..... | Analog#06 MW6/5psi... ft..... |
|---|---|---|---|---|---|---|
| 12/14/90 | 10:47:31 | 40.899 | 1.3529 | 31.534 | 8.8553 | 10.461 |
| 12/14/90 | 10:48:01 | 41.037 | 1.3529 | 31.58 | 8.8784 | 10.461 |
| 12/14/90 | 10:48:31 | 41.176 | 1.376 | 31.627 | 8.9015 | 10.461 |
| 12/14/90 | 10:49:01 | 41.245 | 1.376 | 31.673 | 8.9131 | 10.472 |
| 12/14/90 | 10:49:31 | 41.314 | 1.376 | 31.696 | 8.9362 | 10.472 |
| 12/14/90 | 10:50:01 | 41.453 | 1.3529 | 31.765 | 8.9593 | 10.461 |
| 12/14/90 | 10:50:31 | 41.522 | 1.376 | 31.788 | 8.9824 | 10.461 |
| 12/14/90 | 10:51:02 | 41.522 | 1.3529 | 31.834 | 8.9939 | 10.461 |
| 12/14/90 | 10:52:01 | 41.73 | 1.3529 | 31.927 | 9.0286 | 10.461 |
| 12/14/90 | 10:53:01 | 41.869 | 1.3529 | 31.996 | 9.0748 | 10.449 |
| 12/14/90 | 10:54:01 | 42.077 | 1.3529 | 32.065 | 9.1094 | 10.461 |
| 12/14/90 | 10:55:01 | 42.215 | 1.3529 | 32.135 | 9.1441 | 10.461 |
| 12/14/90 | 10:56:01 | 42.146 | 1.3529 | 32.204 | 9.1672 | 10.461 |
| 12/14/90 | 10:57:01 | 42.354 | 1.376 | 32.273 | 9.2018 | 10.461 |
| 12/14/90 | 10:58:01 | 42.354 | 1.376 | 32.32 | 9.2249 | 10.461 |
| 12/14/90 | 10:59:01 | 42.423 | 1.3529 | 32.389 | 9.2596 | 10.461 |
| 12/14/90 | 11:00:01 | 42.562 | 1.3529 | 32.435 | 9.2827 | 10.461 |
| 12/14/90 | 11:01:01 | 42.562 | 1.3529 | 32.504 | 9.2942 | 10.449 |
| 12/14/90 | 11:03:01 | 42.7 | 1.3529 | 32.597 | 9.352 | 10.449 |
| 12/14/90 | 11:05:01 | 18.723 | 1.376 | 32.712 | 9.3866 | 10.449 |
| 12/14/90 | 11:07:01 | 15.05 | 1.3529 | 32.666 | 9.3173 | 10.438 |
| 12/14/90 | 11:09:01 | 14.565 | 1.376 | 32.551 | 9.2596 | 10.449 |
| 12/14/90 | 11:11:01 | 14.149 | 1.376 | 32.458 | 9.2134 | 10.449 |
| 12/14/90 | 11:13:01 | 14.08 | 1.376 | 32.366 | 9.1787 | 10.449 |
| 12/14/90 | 11:15:01 | 13.941 | 1.376 | 32.296 | 9.1556 | 10.449 |
| 12/14/90 | 11:17:01 | 13.802 | 1.3529 | 32.25 | 9.1325 | 10.438 |
| 12/14/90 | 11:19:01 | 13.802 | 1.376 | 32.181 | 9.1094 | 10.438 |
| 12/14/90 | 11:21:01 | 13.733 | 1.376 | 32.135 | 9.0863 | 10.438 |

60 GPM

| Date | Time | Analog#01 B2/30psi... ft..... | Analog#02 MW2S/10psi. ft..... | Analog#03 B3/10psi... ft..... | Analog#05 MW5/10psi.. ft..... | Analog#06 MW6/5psi... ft..... |
|---|---|---|---|---|---|---|
| 12/14/90 | 12:08:54 | 12.971 | 1.376 | 31.904 | 13.658 | 10.415 |
| 12/14/90 | 12:08:55 | 15.743 | 1.3529 | 31.927 | 13.635 | 10.415 |
| 12/14/90 | 12:08:56 | 16.713 | 1.3529 | 31.904 | 13.658 | 10.415 |
| 12/14/90 | 12:08:57 | 18.099 | 1.3529 | 31.927 | 13.658 | 10.415 |
| 12/14/90 | 12:08:59 | 19.762 | 1.3529 | 31.927 | 13.635 | 10.426 |
| 12/14/90 | 12:09:00 | 20.524 | 1.3529 | 31.904 | 13.658 | 10.415 |
| 12/14/90 | 12:09:01 | 21.495 | 1.376 | 31.927 | 13.658 | 10.415 |
| 12/14/90 | 12:09:01 | 22.049 | 1.3529 | 31.927 | 13.635 | 10.415 |
| 12/14/90 | 12:09:02 | 22.95 | 1.376 | 31.904 | 13.658 | 10.415 |
| 12/14/90 | 12:09:03 | 23.989 | 1.3529 | 31.927 | 13.658 | 10.415 |

Date Friday December 14, 1990 4:28 PM
PlotFile C:\TERRACOM\BKRSTP01.PRN
DataFile C:\TERRACOM\BKRSTP.HEX
Becker Step Test
Time of First Log in Specified Window
12/14/90 10:43:21

40 GPM

| Date | Time | Analog#01 B2/30psi... ft..... | Analog#02 MW2S/10psi. ft..... | Analog#03 B3/10psi... ft..... | Analog#05 MW5/10psi.. ft..... | Analog#06 MW6/5psi... ft..... |
|---|---|---|---|---|---|---|
| 12/14/90 | 12:09:05 | 24.752 | 1.3529 | 31.927 | 13.658 | 10.426 |
| 12/14/90 | 12:09:10 | 27.524 | 1.376 | 31.927 | 13.658 | 10.426 |
| 12/14/90 | 12:09:14 | 30.019 | 1.3529 | 31.927 | 13.658 | 10.415 |
| 12/14/90 | 12:09:20 | 33.137 | 1.376 | 31.904 | 13.658 | 10.415 |
| 12/14/90 | 12:09:25 | 35.493 | 1.3529 | 31.927 | 13.658 | 10.426 |
| 12/14/90 | 12:09:30 | 37.78 | 1.376 | 31.904 | 13.681 | 10.415 |
| 12/14/90 | 12:09:34 | 39.998 | 1.3529 | 31.927 | 13.681 | 10.426 |
| 12/14/90 | 12:09:40 | 42.146 | 1.3529 | 31.927 | 13.681 | 10.415 |
| 12/14/90 | 12:09:44 | 43.671 | 1.3529 | 31.927 | 13.704 | 10.426 |
| 12/14/90 | 12:09:50 | 45.195 | 1.376 | 31.927 | 13.727 | 10.415 |
| 12/14/90 | 12:09:55 | 46.581 | 1.3529 | 31.927 | 13.727 | 10.415 |
| 12/14/90 | 12:10:04 | 48.868 | 1.3529 | 31.927 | 13.75 | 10.415 |
| 12/14/90 | 12:10:14 | 51.155 | 1.3529 | 31.927 | 13.773 | 10.415 |
| 12/14/90 | 12:10:24 | 53.234 | 1.3529 | 31.95 | 13.797 | 10.415 |
| 12/14/90 | 12:10:34 | 55.174 | 1.3529 | 31.95 | 13.82 | 10.415 |
| 12/14/90 | 12:10:44 | 56.838 | 1.3529 | 31.973 | 13.866 | 10.415 |
| 12/14/90 | 12:10:54 | 58.639 | 1.3529 | 31.973 | 13.889 | 10.415 |
| 12/14/90 | 12:11:04 | 60.095 | 1.3529 | 31.996 | 13.912 | 10.415 |
| 12/14/90 | 12:11:14 | 61.411 | 1.3529 | 32.019 | 13.935 | 10.415 |
| 12/14/90 | 12:11:24 | 62.936 | 1.3298 | 32.042 | 13.958 | 10.426 |
| 12/14/90 | 12:11:34 | 64.322 | 1.3529 | 32.042 | 14.004 | 10.415 |
| 12/14/90 | 12:12:04 | 67.856 | 1.3529 | 32.135 | 14.074 | 10.426 |
| 12/14/90 | 12:12:34 | 71.252 | 1.3529 | 32.181 | 14.166 | 10.426 |
| 12/14/90 | 12:13:04 | 74.232 | 1.3529 | 32.25 | 14.235 | 10.415 |
| 12/14/90 | 12:13:34 | 75.41 | 1.3529 | 32.343 | 14.282 | 10.415 |
| 12/14/90 | 12:14:04 | 75.41 | 1.3529 | 32.412 | 14.374 | 10.415 |
| 12/14/90 | 12:14:34 | 75.41 | 1.3529 | 32.481 | 14.443 | 10.415 |
| 12/14/90 | 12:15:04 | 75.41 | 1.3529 | 32.551 | 14.513 | 10.426 |
| 12/14/90 | 12:15:34 | 75.41 | 1.3529 | 32.62 | 14.582 | 10.426 |
| 12/14/90 | 12:16:04 | 75.41 | 1.3298 | 32.689 | 14.628 | 10.415 |
| 12/14/90 | 12:16:34 | 75.41 | 1.3529 | 32.758 | 14.697 | 10.415 |
| 12/14/90 | 12:17:34 | 75.41 | 1.3529 | 32.92 | 14.79 | 10.415 |
| 12/14/90 | 12:18:34 | 75.41 | 1.3529 | 33.036 | 14.882 | 10.415 |
| 12/14/90 | 12:19:34 | 75.41 | 1.3529 | 33.151 | 14.975 | 10.403 |
| 12/14/90 | 12:20:34 | 75.41 | 1.3529 | 33.267 | 15.09 | 10.415 |
| 12/14/90 | 12:21:34 | 75.41 | 1.3529 | 33.382 | 15.159 | 10.426 |
| 12/14/90 | 12:22:21 | 75.41 | 1.3529 | 33.451 | 15.229 | 10.415 |
| 12/14/90 | 12:22:22 | 75.41 | 1.3298 | 33.451 | 15.229 | 10.415 |
| 12/14/90 | 12:22:23 | 75.41 | 1.3529 | 33.451 | 15.229 | 10.415 |
| 12/14/90 | 12:22:25 | 75.41 | 1.3529 | 33.475 | 15.206 | 10.415 |
| 12/14/90 | 12:22:26 | 75.41 | 1.3529 | 33.451 | 15.229 | 10.415 |
| 12/14/90 | 12:22:27 | 75.41 | 1.3529 | 33.451 | 15.229 | 10.415 |
| 12/14/90 | 12:22:28 | 75.41 | 1.3529 | 33.475 | 15.252 | 10.415 |
| 12/14/90 | 12:22:28 | 75.41 | 1.3529 | 33.475 | 15.252 | 10.415 |
| 12/14/90 | 12:22:30 | 75.41 | 1.3529 | 33.475 | 15.229 | 10.426 |

Date     Friday December 14, 1990  4:28 PM
PlotFile C:\TERRACOM\BKRSTP01.PRN
DataFile C:\TERRACOM\BKRSTP.HEX
Becker Step Test
Time of First Log in Specified Window
  12/14/90   10:43:21

40 GPM

| Date | Time | Analog#01 B2/30psi... ft..... | Analog#02 MW2S/10psi. ft..... | Analog#03 B3/10psi... ft..... | Analog#05 MW5/10psi.. ft..... | Analog#06 MW6/5psi... ft..... |
|---|---|---|---|---|---|---|
| 12/14/90 | 12:22:31 | 75.41 | 1.3529 | 33.475 | 15.229 | 10.415 |
| 12/14/90 | 12:22:32 | 75.271 | 1.3529 | 33.451 | 15.252 | 10.415 |
| 12/14/90 | 12:22:36 | 71.668 | 1.3529 | 33.475 | 15.229 | 10.403 |
| 12/14/90 | 12:22:42 | 64.946 | 1.3529 | 33.498 | 15.252 | 10.415 |
| 12/14/90 | 12:22:47 | 59.679 | 1.3529 | 33.498 | 15.252 | 10.403 |
| 12/14/90 | 12:22:52 | 54.551 | 1.3529 | 33.498 | 15.275 | 10.415 |
| 12/14/90 | 12:22:57 | 49.908 | 1.3529 | 33.521 | 15.252 | 10.403 |
| 12/14/90 | 12:23:02 | 46.789 | 1.3529 | 33.521 | 15.275 | 10.415 |
| 12/14/90 | 12:23:07 | 44.572 | 1.3529 | 33.521 | 15.275 | 10.415 |
| 12/14/90 | 12:23:12 | 42.77 | 1.3529 | 33.521 | 15.298 | 10.415 |
| 12/14/90 | 12:23:17 | 41.176 | 1.3529 | 33.544 | 15.275 | 10.426 |
| 12/14/90 | 12:23:21 | 39.928 | 1.3529 | 33.544 | 15.298 | 10.415 |
| 12/14/90 | 12:23:31 | 37.156 | 1.3529 | 33.567 | 15.275 | 10.415 |
| 12/14/90 | 12:23:41 | 34.731 | 1.3529 | 33.567 | 15.275 | 10.415 |
| 12/14/90 | 12:23:51 | 32.444 | 1.3529 | 33.567 | 15.298 | 10.415 |
| 12/14/90 | 12:24:01 | 30.296 | 1.3529 | 33.613 | 15.275 | 10.415 |
| 12/14/90 | 12:24:11 | 28.563 | 1.3529 | 33.613 | 15.275 | 10.415 |
| 12/14/90 | 12:24:21 | 26.831 | 1.3529 | 33.613 | 15.252 | 10.415 |
| 12/14/90 | 12:24:31 | 25.375 | 1.3529 | 33.613 | 15.252 | 10.415 |
| 12/14/90 | 12:24:41 | 24.197 | 1.3529 | 33.613 | 15.252 | 10.415 |
| 12/14/90 | 12:24:51 | 23.019 | 1.3529 | 33.613 | 15.229 | 10.415 |
| 12/14/90 | 12:25:01 | 21.91 | 1.3529 | 33.636 | 15.229 | 10.415 |
| 12/14/90 | 12:25:31 | 19.693 | 1.376 | 33.59 | 15.206 | 10.415 |
| 12/14/90 | 12:26:01 | 18.099 | 1.3529 | 33.59 | 15.159 | 10.415 |
| 12/14/90 | 12:26:31 | 17.059 | 1.3529 | 33.567 | 15.113 | 10.415 |
| 12/14/90 | 12:27:01 | 16.574 | 1.3529 | 33.521 | 15.067 | 10.415 |
| 12/14/90 | 12:27:31 | 16.02 | 1.3529 | 33.498 | 15.044 | 10.415 |
| 12/14/90 | 12:28:01 | 15.812 | 1.3529 | 33.451 | 15.021 | 10.415 |
| 12/14/90 | 12:28:31 | 15.535 | 1.3529 | 33.428 | 14.975 | 10.415 |
| 12/14/90 | 12:29:01 | 15.327 | 1.3529 | 33.405 | 14.952 | 10.415 |
| 12/14/90 | 12:29:31 | 15.327 | 1.3529 | 33.359 | 14.928 | 10.415 |
| 12/14/90 | 12:30:01 | 15.188 | 1.376 | 33.313 | 14.905 | 10.415 |
| 12/14/90 | 12:31:01 | 14.911 | 1.3529 | 33.267 | 14.859 | 10.415 |
| 12/14/90 | 12:32:01 | 14.911 | 1.3529 | 33.197 | 14.813 | 10.403 |
| 12/14/90 | 12:33:01 | 14.703 | 1.3529 | 33.151 | 14.767 | 10.415 |
| 12/14/90 | 12:34:01 | 14.773 | 1.3529 | 33.105 | 14.744 | 10.403 |
| 12/14/90 | 12:35:01 | 14.565 | 1.3529 | 33.082 | 14.697 | 10.403 |
| 12/14/90 | 12:36:01 | 14.634 | 1.3529 | 33.013 | 14.674 | 10.415 |
| 12/14/90 | 12:37:01 | 14.565 | 1.3529 | 32.989 | 14.651 | |

Date Monday December 17, 1990 5:56 PM
PlotFile C:\TERRACOM\BKRPMP01.PRN
DataFile C:\TERRACOM\BKRPMP.HEX
Becker Step Test
Time of First Log in Specified Window
12/15/90 09:31:49

| Date | Time | Analog#01 B2/30psi... ft | Analog#02 MW2S/10psi. ft | Analog#03 B3/10psi... ft | Analog#04 MW4/5psi... ft | Analog#05 MW5/10psi.. ft | Analog#06 MW6/5psi... ft |
|---|---|---|---|---|---|---|---|

Date Monday December 17, 1990 5:56 PM
PlotFile C:\TERRACOM\BKRPMP01.PRN
DataFile C:\TERRACOM\BKRPMP.HEX
Becker Step Test
Time of First Log in Specified Window
12/15/90 09:31:49

| Date | Time | Analog#01 B2/30psi... ft | Analog#02 MW2S/10psi. ft | Analog#03 B3/10psi... ft | Analog#04 MW4/5psi... ft | Analog#05 MW5/10psi.. ft | Analog#06 MW6/5psi... ft |
|---|---|---|---|---|---|---|---|
| 12/15/90 9:30 | 09:31:49 | 19.555 | 1.2836 | 37.101 | 13.682 | 20.126 | 10.311 |
| 12/15/90 | 09:31:51 | 31.267 | 1.2836 | 37.101 | 13.682 | 20.126 | 10.311 |
| 12/15/90 | 09:31:52 | 20.387 | 1.2836 | 37.101 | 13.682 | 20.126 | 10.311 |
| 12/15/90 | 09:31:53 | 21.703 | 1.2836 | 37.101 | 13.682 | 20.126 | 10.311 |
| 12/15/90 | 09:31:54 | 22.673 | 1.2836 | 37.101 | 13.682 | 20.126 | 10.311 |
| 12/15/90 | 09:31:54 | 23.505 | 1.2836 | 37.101 | 13.682 | 20.126 | 10.311 |
| 12/15/90 | 09:31:55 | 24.822 | 1.2836 | 37.101 | 13.682 | 20.126 | 10.311 |
| 12/15/90 | 09:31:57 | 26.416 | 1.2836 | 37.101 | 13.682 | 20.126 | 10.311 |
| 12/15/90 | 09:31:58 | 27.109 | 1.3067 | 37.101 | 13.682 | 20.126 | 10.311 |
| 12/15/90 | 09:31:59 | 27.524 | 1.2836 | 37.101 | 13.67 | 20.126 | 10.311 |
| 12/15/90 | 09:31:59 | 27.802 | 1.2836 | 37.101 | 13.682 | 20.126 | 10.311 |
| 12/15/90 | 09:32:06 | 29.603 | 1.2836 | 37.101 | 13.682 | 20.126 | 10.311 |
| 12/15/90 | 09:32:10 | 30.019 | 1.2836 | 37.101 | 13.682 | 20.126 | 10.311 |
| 12/15/90 | 09:32:15 | 30.435 | 1.3067 | 37.101 | 13.682 | 20.126 | 10.311 |
| 12/15/90 | 09:32:20 | 31.059 | 1.2836 | 37.101 | 13.682 | 20.126 | 10.311 |
| 12/15/90 | 09:32:25 | 31.336 | 1.2836 | 37.101 | 13.682 | 20.149 | 10.311 |
| 12/15/90 | 09:32:30 | 31.544 | 1.2836 | 37.101 | 13.682 | 20.149 | 10.311 |
| 12/15/90 | 09:32:35 | 32.029 | 1.2836 | 37.101 | 13.682 | 20.149 | 10.311 |
| 12/15/90 | 09:32:40 | 32.306 | 1.2836 | 37.101 | 13.682 | 20.149 | 10.299 |
| 12/15/90 | 09:32:45 | 32.722 | 1.2836 | 37.101 | 13.67 | 20.172 | 10.311 |
| 12/15/90 | 09:32:50 | 32.93 | 1.2836 | 37.101 | 13.682 | 20.149 | 10.311 |
| 12/15/90 | 09:32:59 | 33.415 | 1.2836 | 37.101 | 13.67 | 20.172 | 10.311 |
| 12/15/90 | 09:33:09 | 33.9 | 1.2836 | 37.101 | 13.67 | 20.172 | 10.311 |
| 12/15/90 | 09:33:19 | 34.247 | 1.2836 | 37.101 | 13.67 | 20.195 | 10.299 |
| 12/15/90 | 09:33:29 | 35.91 | 1.2836 | 37.101 | 13.67 | 20.195 | 10.299 |
| 12/15/90 | 09:33:39 | 38.127 | 1.2836 | 37.124 | 13.67 | 20.218 | 10.311 |
| 12/15/90 | 09:33:49 | 40.068 | 1.2836 | 37.101 | 13.67 | 20.218 | 10.299 |
| 12/15/90 | 09:33:59 | 41.662 | 1.2836 | 37.124 | 13.67 | 20.241 | 10.299 |
| 12/15/90 | 09:34:09 | 43.186 | 1.2836 | 37.147 | 13.67 | 20.241 | 10.299 |
| 12/15/90 | 09:34:19 | 44.642 | 1.2836 | 37.147 | 13.67 | 20.265 | 10.311 |
| 12/15/90 | 09:34:29 | 45.75 | 1.2836 | 37.147 | 13.67 | 20.288 | 10.299 |
| 12/15/90 | 09:34:59 | 48.661 | 1.2836 | 37.171 | 13.67 | 20.311 | 10.311 |
| 12/15/90 | 09:35:29 | 50.879 | 1.2836 | 37.217 | 13.659 | 20.38 | 10.311 |
| 12/15/90 | 09:35:59 | 52.542 | 1.2836 | 37.263 | 13.659 | 20.426 | 10.299 |
| 12/15/90 | 09:36:29 | 53.928 | 1.2836 | 37.309 | 13.659 | 20.472 | 10.299 |
| 12/15/90 | 09:36:59 | 56.492 | 1.2836 | 37.355 | 13.659 | 20.519 | 10.311 |
| 12/15/90 | 09:37:29 | 58.709 | 1.2836 | 37.402 | 13.659 | 20.565 | 10.311 |
| 12/15/90 | 09:37:59 | 60.927 | 1.2836 | 37.425 | 13.67 | 20.611 | 10.311 |
| 12/15/90 | 09:38:29 | 62.521 | 1.2836 | 37.471 | 13.659 | 20.657 | 10.311 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 12/15/90 | 09:38:59 | 63.63 | 1.2836 | 37.517 | 13.659 | 20.68 | 10.299 |
| 12/15/90 | 09:39:30 | 64.808 | 1.2605 | 37.586 | 13.659 | 20.75 | 10.299 |
| 12/15/90 | 09:40:29 | 66.471 | 1.2836 | 37.656 | 13.659 | 20.842 | 10.299 |
| 12/15/90 | 09:41:29 | 67.857 | 1.2605 | 37.748 | 13.659 | 20.888 | 10.311 |
| 12/15/90 | 09:42:29 | 68.897 | 1.2836 | 37.817 | 13.659 | 20.981 | 10.311 |

Date Monday December 17, 1990 5:56 PM
PlotFile C:\TERRACOM\BKRPMP01.PRN
DataFile C:\TERRACOM\BKRPMP.HEX
Becker Step Test
Time of First Log in Specified Window
12/15/90 09:31:49

| Date | Time | Analog#01 B2/30psi... ft..... | Analog#02 MW2S/10psi. ft..... | Analog#03 B3/10psi... ft..... | Analog#04 MW4/5psi... ft..... | Analog#05 MW5/10psi.. ft..... | Analog#06 MW6/5psi... ft..... |
|---|---|---|---|---|---|---|---|
| 12/15/90 | 09:43:29 | 69.728 | 1.2605 | 37.933 | 13.647 | 21.05 | 10.299 |
| 12/15/90 | 09:44:29 | 70.352 | 1.2836 | 37.979 | 13.647 | 21.119 | 10.299 |
| 12/15/90 | 09:45:29 | 70.698 | 1.2836 | 38.071 | 13.647 | 21.189 | 10.311 |
| 12/15/90 | 09:46:29 | 71.183 | 1.2605 | 38.141 | 13.647 | 21.235 | 10.311 |
| 12/15/90 | 09:47:29 | 71.53 | 1.2836 | 38.21 | 13.647 | 21.304 | 10.299 |
| 12/15/90 | 09:48:29 | 72.084 | 1.2605 | 38.279 | 13.647 | 21.35 | 10.311 |
| 12/15/90 | 09:49:29 | 72.223 | 1.2836 | 38.326 | 13.636 | 21.42 | 10.311 |
| 12/15/90 | 09:51:29 | 72.847 | 1.2605 | 38.441 | 13.636 | 21.535 | 10.299 |
| 12/15/90 | 09:53:29 | 73.47 | 1.2605 | 38.58 | 13.636 | 21.627 | 10.311 |
| 12/15/90 | 09:55:29 | 74.233 | 1.2836 | 38.649 | 13.636 | 21.72 | 10.299 |
| 12/15/90 | 09:57:29 | 74.094 | 1.2836 | 38.764 | 13.636 | 21.812 | 10.311 |
| 12/15/90 | 09:59:29 | 74.51 | 1.2836 | 38.857 | 13.636 | 21.905 | 10.311 |
| 12/15/90 | 10:01:29 | 74.926 | 1.2605 | 38.949 | 13.636 | 21.974 | 10.311 |
| 12/15/90 | 10:03:29 | 74.926 | 1.2836 | 39.019 | 13.636 | 22.066 | 10.311 |
| 12/15/90 | 10:05:29 | 75.272 | 1.2836 | 39.088 | 13.636 | 22.136 | 10.311 |
| 12/15/90 | 10:07:29 | 75.48 | 1.2836 | 39.157 | 13.636 | 22.205 | 10.311 |
| 12/15/90 | 10:09:29 | 75.688 | 1.2836 | 39.226 | 13.636 | 22.274 | 10.311 |
| 12/15/90 | 10:14:29 | 76.034 | 1.2836 | 39.388 | 13.636 | 22.436 | 10.322 |
| 12/15/90 | 10:19:29 | 76.242 | 1.2836 | 39.55 | 13.636 | 22.598 | 10.322 |
| 12/15/90 | 10:24:29 | 76.52 | 1.2836 | 39.688 | 13.636 | 22.736 | 10.322 |
| 12/15/90 10:30 | 10:29:29 | 76.866 | 1.2836 | 39.804 | 13.647 | 22.875 | 10.322 |
| 12/15/90 | 10:34:29 | 77.282 | 1.3067 | 39.919 | 13.647 | 23.013 | 10.322 |
| 12/15/90 | 10:39:29 | 77.559 | 1.2836 | 40.035 | 13.647 | 23.152 | 10.334 |
| 12/15/90 | 10:44:29 | 77.836 | 1.2836 | 40.15 | 13.659 | 23.244 | 10.334 |
| 12/15/90 | 10:49:29 | 78.252 | 1.2836 | 40.243 | 13.659 | 23.36 | 10.322 |
| 12/15/90 | 10:54:29 | 78.806 | 1.3067 | 40.312 | 13.659 | 23.475 | 10.322 |
| 12/15/90 | 10:59:29 | 78.806 | 1.3067 | 40.405 | 13.67 | 23.591 | 10.334 |
| 12/15/90 | 11:09:29 | 79.43 | 1.3067 | 40.451 | 13.682 | 23.776 | 10.334 |
| 12/15/90 | 11:19:29 | 79.569 | 1.3067 | 40.451 | 13.682 | 23.961 | 10.322 |
| 12/15/90 11:30 | 11:29:29 | 79.846 | 1.3067 | 40.451 | 13.693 | 24.122 | 10.334 |
| 12/15/90 | 11:39:29 | 80.608 | 1.3067 | 40.451 | 13.717 | 24.284 | 10.334 |
| 12/15/90 | 11:49:29 | 81.093 | 1.3298 | 40.451 | 13.728 | 24.446 | 10.345 |
| 12/15/90 | 11:59:29 | 81.44 | 1.3067 | 40.451 | 13.74 | 24.584 | 10.334 |
| 12/15/90 | 12:09:29 | 81.163 | 1.3067 | 40.451 | 13.751 | 24.723 | 10.334 |
| 12/15/90 | 12:19:29 | 81.717 | 1.3067 | 40.451 | 13.763 | 24.861 | 10.334 |
| 12/15/90 12:30 | 12:29:29 | 81.648 | 1.3298 | 40.451 | 13.786 | 24.977 | 10.345 |
| 12/15/90 | 12:39:29 | 81.578 | 1.3067 | 40.451 | 13.786 | 25.116 | 10.334 |
| 12/15/90 | 12:59:29 | 82.341 | 1.3067 | 40.451 | 13.809 | 25.323 | 10.334 |
| 12/15/90 | 13:19:29 | 82.41 | 1.3067 | 40.451 | 13.832 | 25.531 | 10.334 |
| 12/15/90 | 13:39:29 | 82.41 | 1.3067 | 40.451 | 13.844 | 25.693 | 10.322 |

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|---|---|---|---|---|---|---|---|
| 12/15/90 14:00 | 13:59:29 | 82.41 | 1.3298 | 40.451 | 13.878 | 25.878 | 10.334 |
| 12/15/90 | 14:19:29 | 82.41 | 1.3298 | 40.451 | 13.901 | 26.016 | 10.334 |
| 12/15/90 | 14:39:29 | 82.41 | 1.3298 | 40.451 | 13.936 | 26.178 | 10.345 |
| 12/15/90 15:00 | 14:59:29 | 82.41 | 1.3298 | 40.451 | 13.971 | 26.317 | 10.345 |
| 12/15/90 | 15:19:29 | 82.41 | 1.3298 | 40.451 | 13.994 | 26.455 | 10.357 |
| 12/15/90 | 15:39:29 | 82.41 | 1.3529 | 40.451 | 14.005 | 26.571 | 10.345 |
| 12/15/90 16:00 | 15:59:29 | 82.41 | 1.3298 | 40.451 | 14.04 | 26.686 | 10.357 |
| 12/15/90 | 16:39:29 | 82.41 | 1.3529 | 40.451 | 14.098 | 26.94 | 10.38 |
| 12/15/90 | 17:19:29 | 82.41 | 1.3529 | 40.451 | 14.167 | 27.148 | 10.38 |
| 12/15/90 18:00 | 17:59:29 | 82.41 | 1.376 | 40.428 | 14.225 | 27.356 | 10.391 |
| 12/15/90 | 18:39:29 | 82.41 | 1.376 | 40.451 | 14.271 | 27.564 | 10.391 |
| 12/15/90 | 19:19:29 | 82.41 | 1.376 | 40.451 | 14.317 | 27.749 | 10.38 |
| 12/15/90 20:00 | 19:59:29 | 82.41 | 1.3991 | 40.451 | 14.363 | 27.934 | 10.38 |
| 12/15/90 | 20:39:29 | 82.41 | 1.3991 | 40.428 | 14.41 | 28.095 | 10.391 |
| 12/15/90 | 21:19:29 | 82.41 | 1.4222 | 40.451 | 14.456 | 28.257 | 10.391 |

Date Monday December 17, 1990 5:56 PM
PlotFile C:\TERRACOM\BKRPMP01.PRN
DataFile C:\TERRACOM\BKRPMP.HEX
Becker Step Test
Time of First Log in Specified Window
12/15/90 09:31:49

| Date | Time | Analog#01 B2/30psi...ft..... | Analog#02 MW2S/10psi.ft..... | Analog#03 B3/10psi...ft..... | Analog#04 MW4/5psi...ft..... | Analog#05 MW5/10psi..ft..... | Analog#06 MW6/5psi...ft..... |
|---|---|---|---|---|---|---|---|
| 12/15/90 22:00 | 21:59:29 | 82.41 | 1.3991 | 40.451 | 14.49 | 28.419 | 10.38 |
| 12/15/90 | 22:39:29 | 82.41 | 1.4222 | 40.451 | 14.537 | 28.557 | 10.38 |
| 12/15/90 | 23:19:29 | 82.41 | 1.4222 | 40.428 | 14.548 | 28.696 | 10.368 |
| 12/15/90 24:00 | 23:59:29 | 82.41 | 1.4222 | 40.451 | 14.583 | 28.812 | 10.357 |
| 12/16/90 | 00:39:29 | 82.41 | 1.4222 | 40.451 | 14.606 | 28.95 | 10.357 |
| 12/16/90 | 01:19:29 | 82.41 | 1.4222 | 40.451 | 14.641 | 29.043 | 10.345 |
| 12/16/90 2:00 | 01:59:29 | 82.41 | 1.4222 | 40.451 | 14.664 | 29.158 | 10.345 |
| 12/16/90 | 02:39:29 | 82.41 | 1.4222 | 40.451 | 14.698 | 29.274 | 10.345 |
| 12/16/90 | 03:19:29 | 82.41 | 1.4222 | 40.451 | 14.721 | 29.389 | 10.345 |
| 12/16/90 4:00 | 03:59:29 | 82.41 | 1.4453 | 40.451 | 14.756 | 29.481 | 10.357 |
| 12/16/90 | 04:39:29 | 82.41 | 1.4453 | 40.451 | 14.802 | 29.574 | 10.357 |
| 12/16/90 | 05:19:29 | 82.41 | 1.4453 | 40.451 | 14.825 | 29.666 | 10.368 |
| 12/16/90 6:00 | 05:59:29 | 82.41 | 1.4453 | 40.451 | 14.86 | 29.759 | 10.368 |
| 12/16/90 | 06:39:29 | 82.41 | 1.4684 | 40.451 | 14.906 | 29.851 | 10.38 |
| 12/16/90 | 07:19:29 | 82.41 | 1.4684 | 40.451 | 14.929 | 29.943 | 10.368 |
| 12/16/90 8:00 | 07:59:29 | 82.41 | 1.4684 | 40.451 | 14.964 | 30.036 | 10.38 |
| 12/16/90 | 08:39:29 | 82.41 | 1.4915 | 40.428 | 14.999 | 30.128 | 10.391 |
| 12/16/90 | 09:19:29 | 82.41 | 1.4915 | 40.451 | 15.056 | 30.244 | 10.403 |
| 12/16/90 9:52 | 09:52:31 | 82.41 | 1.4915 | 40.451 | 15.079 | 30.336 | 10.403 |
| 12/16/90 | 09:52:32 | 82.41 | 1.4915 | 40.451 | 15.079 | 30.336 | 10.403 |
| 12/16/90 | 09:52:33 | 82.41 | 1.4915 | 40.451 | 15.079 | 30.336 | 10.403 |
| 12/16/90 | 09:52:34 | 82.41 | 1.4915 | 40.451 | 15.079 | 30.313 | 10.403 |
| 12/16/90 | 09:52:35 | 82.41 | 1.4915 | 40.451 | 15.079 | 30.336 | 10.403 |
| 12/16/90 | 09:52:37 | 82.41 | 1.4915 | 40.451 | 15.079 | 30.313 | 10.403 |
| 12/16/90 | 09:52:38 | 82.41 | 1.4915 | 40.451 | 15.079 | 30.313 | 10.403 |
| 12/16/90 | 09:52:39 | 82.41 | 1.4915 | 40.451 | 15.079 | 30.336 | 10.403 |
| 12/16/90 | 09:52:40 | 81.925 | 1.4915 | 40.451 | 15.079 | 30.336 | 10.403 |
| 12/16/90 | 09:52:40 | 81.301 | 1.4915 | 40.451 | 15.079 | 30.336 | 10.403 |
| 12/16/90 | 09:52:41 | 80.678 | 1.4915 | 40.451 | 15.079 | 30.313 | 10.403 |
| 12/16/90 | 09:52:47 | 77.213 | 1.4915 | 40.451 | 15.079 | 30.336 | 10.403 |

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|---|---|---|---|---|---|---|---|
| 12/16/90 | 09:52:51 | 74.579 | 1.4915 | 40.451 | 15.079 | 30.336 | 10.403 |
| 12/16/90 | 09:52:58 | 71.669 | 1.4915 | 40.451 | 15.079 | 30.336 | 10.403 |
| 12/16/90 | 09:53:02 | 69.451 | 1.4915 | 40.451 | 15.079 | 30.336 | 10.403 |
| 12/16/90 | 09:53:07 | 67.441 | 1.4915 | 40.451 | 15.079 | 30.336 | 10.403 |
| 12/16/90 | 09:53:12 | 65.154 | 1.4915 | 40.451 | 15.079 | 30.336 | 10.403 |
| 12/16/90 | 09:53:17 | 63.353 | 1.4915 | 40.451 | 15.079 | 30.336 | 10.403 |
| 12/16/90 | 09:53:22 | 61.62 | 1.4915 | 40.451 | 15.079 | 30.313 | 10.403 |
| 12/16/90 | 09:53:27 | 59.749 | 1.4915 | 40.451 | 15.079 | 30.313 | 10.403 |
| 12/16/90 | 09:53:32 | 58.086 | 1.4915 | 40.451 | 15.079 | 30.313 | 10.403 |
| 12/16/90 | 09:53:41 | 55.175 | 1.4915 | 40.451 | 15.079 | 30.313 | 10.403 |
| 12/16/90 | 09:53:51 | 52.265 | 1.4915 | 40.451 | 15.079 | 30.313 | 10.403 |
| 12/16/90 | 09:54:01 | 49.631 | 1.4915 | 40.451 | 15.079 | 30.29 | 10.403 |
| 12/16/90 | 09:54:11 | 47.206 | 1.4915 | 40.451 | 15.079 | 30.29 | 10.403 |
| 12/16/90 | 09:54:21 | 44.988 | 1.4915 | 40.451 | 15.079 | 30.267 | 10.403 |
| 12/16/90 | 09:54:31 | 42.978 | 1.4915 | 40.451 | 15.079 | 30.267 | 10.403 |
| 12/16/90 | 09:54:41 | 41.246 | 1.4915 | 40.451 | 15.079 | 30.244 | 10.403 |
| 12/16/90 | 09:54:51 | 39.652 | 1.4915 | 40.451 | 15.079 | 30.221 | 10.403 |
| 12/16/90 | 09:55:01 | 38.266 | 1.4915 | 40.451 | 15.091 | 30.221 | 10.403 |
| 12/16/90 | 09:55:11 | 36.949 | 1.4915 | 40.451 | 15.079 | 30.198 | 10.403 |
| 12/16/90 | 09:55:41 | 34.039 | 1.4915 | 40.451 | 15.079 | 30.151 | 10.403 |
| 12/16/90 | 09:56:11 | 32.168 | 1.4915 | 40.451 | 15.079 | 30.082 | 10.403 |
| 12/16/90 | 09:56:41 | 30.92 | 1.4915 | 40.451 | 15.079 | 30.013 | 10.403 |
| 12/16/90 | 09:57:11 | 30.158 | 1.4915 | 40.451 | 15.079 | 29.967 | 10.403 |
| 12/16/90 | 09:57:41 | 29.603 | 1.4915 | 40.451 | 15.079 | 29.897 | 10.403 |
| 12/16/90 | 09:58:11 | 29.326 | 1.4915 | 40.451 | 15.079 | 29.851 | 10.403 |

Date Monday December 17, 1990 5:56 PM
PlotFile C:\TERRACOM\BKRPMP01.PRN
DataFile C:\TERRACOM\BKRPMP.HEX
Becker Step Test
Time of First Log in Specified Window
12/15/90 09:31:49

| Date | Time | Analog#01 B2/30psi...ft..... | Analog#02 MW2S/10psi.ft..... | Analog#03 B3/10psi...ft..... | Analog#04 MW4/5psi...ft..... | Analog#05 MW5/10psi..ft..... | Analog#06 MW6/5psi...ft..... |
|---|---|---|---|---|---|---|---|
| 12/16/90 | 09:58:41 | 29.118 | 1.4915 | 40.451 | 15.079 | 29.805 | 10.403 |
| 12/16/90 | 09:59:11 | 28.91 | 1.4915 | 40.451 | 15.079 | 29.736 | 10.403 |
| 12/16/90 | 09:59:41 | 28.772 | 1.4915 | 40.451 | 15.079 | 29.689 | 10.403 |
| 12/16/90 10:00 | 10:00:11 | 28.633 | 1.4915 | 40.451 | 15.079 | 29.643 | 10.391 |
| 12/16/90 | 10:01:11 | 28.495 | 1.4915 | 40.451 | 15.079 | 29.574 | 10.403 |
| 12/16/90 | 10:02:11 | 28.356 | 1.4915 | 40.451 | 15.079 | 29.481 | 10.391 |
| 12/16/90 | 10:03:11 | 28.217 | 1.4915 | 40.451 | 15.079 | 29.435 | 10.403 |
| 12/16/90 | 10:04:11 | 28.148 | 1.4915 | 40.451 | 15.079 | 29.343 | 10.403 |
| 12/16/90 | 10:05:11 | 28.01 | 1.4915 | 40.451 | 15.091 | 29.274 | 10.403 |
| 12/16/90 | 10:06:11 | 27.871 | 1.4915 | 40.451 | 15.079 | 29.204 | 10.403 |
| 12/16/90 | 10:07:11 | 27.802 | 1.4915 | 40.451 | 15.091 | 29.158 | 10.403 |
| 12/16/90 | 10:08:11 | 27.802 | 1.4915 | 40.451 | 15.091 | 29.089 | 10.403 |
| 12/16/90 | 10:09:11 | 27.663 | 1.4915 | 40.451 | 15.091 | 29.043 | 10.403 |
| 12/16/90 | 10:10:11 | 27.594 | 1.4915 | 40.451 | 15.091 | 28.973 | 10.403 |
| 12/16/90 | 10:12:11 | 27.524 | 1.4915 | 40.451 | 15.091 | 28.881 | 10.403 |
| 12/16/90 | 10:14:11 | 27.386 | 1.4915 | 40.451 | 15.091 | 28.765 | 10.403 |
| 12/16/90 | 10:16:11 | 27.247 | 1.4915 | 40.451 | 15.091 | 28.673 | 10.403 |
| 12/16/90 | 10:18:11 | 27.178 | 1.4915 | 40.451 | 15.091 | 28.581 | 10.391 |
| 12/16/90 | 10:20:11 | 27.039 | 1.4915 | 40.451 | 15.091 | 28.488 | 10.403 |
| 12/16/90 | 10:22:11 | 26.97 | 1.4915 | 40.451 | 15.091 | 28.396 | 10.403 |

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|---|---|---|---|---|---|---|---|---|
| 12/16/90 | | 10:24:11 | 26.901 | 1.4915 | 40.451 | 15.091 | 28.303 | 10.391 |
| 12/16/90 | | 10:26:11 | 26.762 | 1.4684 | 40.451 | 15.079 | 28.234 | 10.391 |
| 12/16/90 | | 10:28:11 | 26.762 | 1.4684 | 40.428 | 15.079 | 28.165 | 10.391 |
| 12/16/90 | | 10:30:11 | 26.693 | 1.4684 | 40.451 | 15.079 | 28.072 | 10.38 |
| 12/16/90 | | 10:35:11 | 26.485 | 1.4684 | 40.451 | 15.079 | 27.888 | 10.391 |
| 12/16/90 | | 10:40:11 | 26.277 | 1.4684 | 40.451 | 15.079 | 27.726 | 10.391 |
| 12/16/90 | | 10:45:11 | 26.138 | 1.4684 | 40.451 | 15.079 | 27.541 | 10.391 |
| 12/16/90 | | 10:50:11 | 26 | 1.4453 | 40.451 | 15.068 | 27.379 | 10.391 |
| 12/16/90 | | 10:55:11 | 25.861 | 1.4453 | 40.451 | 15.068 | 27.241 | 10.391 |
| 12/16/90 | 11:00 | 11:00:11 | 25.723 | 1.4453 | 40.451 | 15.056 | 27.079 | 10.391 |
| 12/16/90 | | 11:05:11 | 25.515 | 1.4453 | 40.451 | 15.056 | 26.94 | 10.391 |
| 12/16/90 | | 11:10:11 | 25.445 | 1.4453 | 40.451 | 15.045 | 26.802 | 10.38 |
| 12/16/90 | | 11:15:11 | 25.307 | 1.4222 | 40.451 | 15.033 | 26.663 | 10.38 |
| 12/16/90 | | 11:20:11 | 25.238 | 1.4453 | 40.451 | 15.033 | 26.548 | 10.391 |
| 12/16/90 | | 11:30:11 | 24.96 | 1.4222 | 40.451 | 15.022 | 26.294 | 10.391 |
| 12/16/90 | | 11:40:11 | 24.822 | 1.4222 | 40.451 | 14.999 | 26.063 | 10.38 |
| 12/16/90 | | 11:50:11 | 24.614 | 1.4222 | 40.451 | 14.975 | 25.832 | 10.368 |
| 12/16/90 | 12:00 | 12:00:11 | 24.406 | 1.4222 | 40.451 | 14.964 | 25.624 | 10.368 |
| 12/16/90 | | 12:10:11 | 24.198 | 1.4222 | 40.451 | 14.941 | 25.416 | 10.368 |
| 12/16/90 | | 12:20:11 | 24.059 | 1.3991 | 40.451 | 14.929 | 25.231 | 10.368 |
| 12/16/90 | | 12:30:11 | 23.921 | 1.4222 | 40.451 | 14.918 | 25.046 | 10.38 |
| 12/16/90 | | 12:40:11 | 23.782 | 1.3991 | 40.451 | 14.895 | 24.885 | 10.368 |
| 12/16/90 | | 12:50:11 | 23.574 | 1.3991 | 40.451 | 14.86 | 24.723 | 10.368 |
| 12/16/90 | | 13:00:11 | 23.436 | 1.3991 | 40.451 | 14.848 | 24.538 | 10.368 |
| 12/16/90 | | 13:20:11 | 23.089 | 1.3991 | 40.451 | 14.814 | 24.215 | 10.38 |
| 12/16/90 | | 13:40:11 | 22.881 | 1.3991 | 40.358 | 14.779 | 23.914 | 10.368 |
| 12/16/90 | 14:00 | 14:00:11 | 22.673 | 1.376 | 40.197 | 14.733 | 23.66 | 10.368 |
| 12/16/90 | | 14:20:11 | 22.396 | 1.376 | 40.035 | 14.698 | 23.406 | 10.38 |
| 12/16/90 | | 14:40:11 | 22.188 | 1.376 | 39.85 | 14.664 | 23.152 | 10.368 |
| 12/16/90 | | 15:00:11 | 21.98 | 1.376 | 39.688 | 14.617 | 22.921 | 10.368 |
| 12/16/90 | | 15:20:11 | 21.773 | 1.376 | 39.527 | 14.583 | 22.69 | 10.38 |
| 12/16/90 | | 15:40:11 | 21.634 | 1.376 | 39.365 | 14.548 | 22.505 | 10.368 |
| 12/16/90 | 16:00 | 16:00:11 | 21.426 | 1.376 | 39.226 | 14.513 | 22.297 | 10.38 |
| 12/16/90 | | 16:20:11 | 21.218 | 1.376 | 39.088 | 14.467 | 22.113 | 10.368 |
| 12/16/90 | | 17:00:11 | 21.01 | 1.376 | 38.857 | 14.398 | 21.766 | 10.368 |

Date Monday December 17, 1990 5:56 PM
PlotFile C:\TERRACOM\BKRPMP01.PRN
DataFile C:\TERRACOM\BKRPMP.HEX
Becker Step Test
Time of First Log in Specified Window
12/15/90 09:31:49

| Date | Time | Analog#01 B2/30psi...ft..... | Analog#02 MW2S/10psi.ft..... | Analog#03 B3/10psi...ft..... | Analog#04 MW4/5psi...ft..... | Analog#05 MW5/10psi..ft..... | Analog#06 MW6/5psi...ft..... |
|---|---|---|---|---|---|---|---|
| 12/16/90 | 17:40:11 | 20.664 | 1.3529 | 38.626 | 14.329 | 21.466 | 10.368 |
| 12/16/90 | 18:20:11 | 20.456 | 1.376 | 38.441 | 14.282 | 21.189 | 10.38 |
| 12/16/90 | 19:00:11 | 20.248 | 1.376 | 38.256 | 14.202 | 20.911 | 10.357 |
| 12/16/90 | 19:40:11 | 20.04 | 1.376 | 38.095 | 14.155 | 20.68 | 10.368 |
| 12/16/90 | 20:20:11 | 19.832 | 1.376 | 37.91 | 14.086 | 20.472 | 10.368 |
| 12/16/90 | 21:00:11 | 19.624 | 1.376 | 37.748 | 14.028 | 20.265 | 10.368 |
| 12/16/90 | 21:40:11 | 19.486 | 1.376 | 37.586 | 13.971 | 20.08 | 10.357 |
| 12/16/90 | 22:20:11 | 19.278 | 1.376 | 37.425 | 13.913 | 19.872 | 10.357 |
| 12/16/90 | 23:00:11 | 19.139 | 1.376 | 37.263 | 13.867 | 19.71 | 10.357 |
| 12/16/90 | 23:40:11 | 18.931 | 1.376 | 37.171 | 13.832 | 19.548 | 10.357 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 12/17/90 | 00:20:11 | 18.793 | 1.376 | 36.986 | 13.786 | 19.387 | 10.357 |
| 12/17/90 | 01:00:11 | 18.723 | 1.376 | 36.801 | 13.751 | 19.248 | 10.357 |
| 12/17/90 | 01:40:11 | 18.446 | 1.376 | 36.685 | 13.705 | 19.086 | 10.357 |
| 12/17/90 | 02:20:11 | 18.308 | 1.376 | 36.547 | 13.659 | 18.925 | 10.345 |
| 12/17/90 | 03:00:11 | 18.238 | 1.376 | 36.408 | 13.636 | 18.809 | 10.357 |
| 12/17/90 | 03:40:11 | 18.03 | 1.376 | 36.27 | 13.578 | 18.648 | 10.334 |
| 12/17/90 | 04:20:11 | 17.961 | 1.376 | 36.131 | 13.555 | 18.509 | 10.334 |
| 12/17/90 | 05:00:11 | 17.822 | 1.376 | 36.039 | 13.543 | 18.393 | 10.345 |
| 12/17/90 | 05:40:11 | 17.753 | 1.3991 | 35.9 | 13.52 | 18.278 | 10.357 |
| 12/17/90 | 06:20:11 | 17.684 | 1.376 | 35.831 | 13.497 | 18.162 | 10.357 |
| 12/17/90 | 07:00:11 | 17.545 | 1.376 | 35.738 | 13.474 | 18.047 | 10.357 |
| 12/17/90 | 07:40:11 | 17.476 | 1.376 | 35.715 | 13.451 | 17.955 | 10.345 |
| 12/17/90 | 08:20:11 | 17.337 | 1.376 | 35.623 | 13.428 | 17.862 | 10.345 |
| 12/17/90 | 09:00:11 | 17.337 | 1.376 | 35.623 | 13.393 | 17.77 | 10.334 |
| 12/17/90 | 09:40:11 | 17.199 | 1.376 | 35.507 | 13.37 | 17.7 | 10.345 |
| 12/17/90 | 10:20:11 | 17.129 | 1.376 | 35.438 | 13.335 | 17.608 | 10.322 |
| 12/17/90 | 11:00:11 | 16.991 | 1.376 | 35.369 | 13.301 | 17.539 | 10.322 |
| 12/17/90 | 11:40:11 | 16.922 | 1.3529 | 35.299 | 13.266 | 17.446 | 10.311 |
| 12/17/90 | 12:20:11 | 16.922 | 1.3529 | 35.276 | 13.243 | 17.377 | 10.311 |
| 12/17/90 | 13:00:11 | 16.922 | 1.3298 | 35.23 | 13.22 | 17.308 | 10.311 |
| 12/17/90 | 13:40:11 | 16.714 | 1.3529 | 35.138 | 13.208 | 17.238 | 10.322 |
| 12/17/90 | 14:20:11 | 16.644 | 1.3298 | 35.022 | 13.185 | 17.146 | 10.322 |
| 12/17/90 | 15:00:11 | 16.506 | 1.3298 | 34.976 | 13.185 | 17.077 | 10.345 |
| 12/17/90 | 15:40:11 | 16.575 | 1.3067 | 34.93 | 13.174 | 17.007 | 10.345 |
| 12/17/90 | 16:20:11 | 16.436 | 1.3298 | 34.814 | 13.162 | 16.938 | 10.357 |
| 12/17/90 | 17:00:11 | 16.367 | 1.3298 | 34.768 | 13.151 | 16.869 | 10.368 |
| 12/17/90 | 17:40:11 | 16.367 | 1.3298 | 34.699 | 13.139 | 16.823 | 10.368 |