



GEO-211-C

This cover sheet must be completed at the beginning of each line, or when parameters change.

GENERAL

Crew No. 6834 Contract No. 799  
 Client COCORP  
 Area GEORGIA  
 Country GEORGIA  
 County Colquitt  
 Concession GEORGIA  
 State GEORGIA  
 Party Mgr. Z. DAVIS OB/JO R. PATTON  
 Line No. #11 Date Start of Line 3/1/84  
 Sta. Int. 330' Feet Meters Fold 4800%  
 Spread Dimensions 1-31350 96 990'99  
 VP's Increase  
S → N      N    E    S    W  
        

GEOPHONES

Manufacture MD100's Array Length 322'  
 Frequency 8 Hz Array Width IN-LINE  
 No. per string 2 - 12 Array Across Between Sta  
 per trace 24 - 120 Centered    
 Separation Ser Par Coil Res. 335 Ohms  
 String Connected   String Phone  
 Shunt Res.    
 Connected at Sta Ser Par Separation between elements in the array 14.34'  
  14' FT

RECORDING SYSTEM

Type: MDS-10  
 Format: seg-B  
 No. of Channels: 96  
 Sample Rate: 8ms  
 Record Length: 32 seconds  
 BPI: 800  
 Low-Cut Filter Freq: OUT  
 Slope: OUT  
 High-Cut Filter Freq: ALIAS 31.25'  
 Slope: OUT  
 Static Filter In  Out   
 Notch Filter In  Out   
 UH Ch. Wireline On Tape N/A  
 On Tape Radio On Tape N/A  
 Sweep Ch. AUX 2 Gain 50  
 On Tape AUX 4 Gain 52

ENERGY SOURCE

Type: Y 1100 Vibrator  
 Manufacturer: George E. Failing  
 Source Control: RCV 310

Dynamite Holes/Shotpoint: N/A  
 Charge/Shotpoint: N/A  
 Pattern Length: N/A Feet Meters

Array Length: 429' Feet Meters

No. of drops, sweeps, etc. in array: 16 sweeps

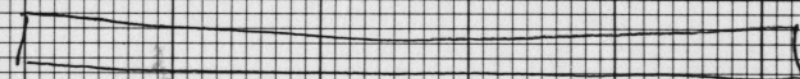
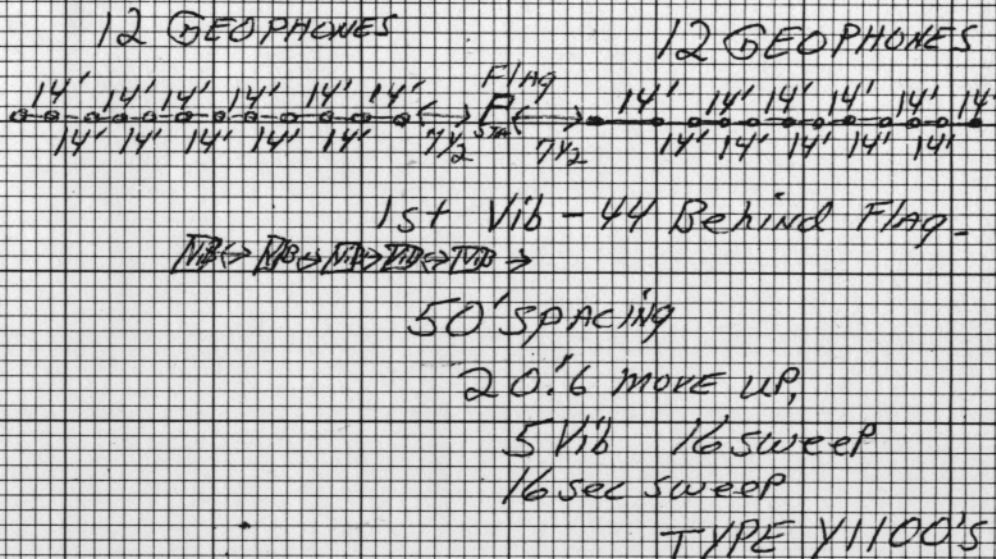
Surface Source Sweep Freq: 8 → 30 Hz  
 Sweep Length: 16 sec

Unit Separation: 50' Feet Meters

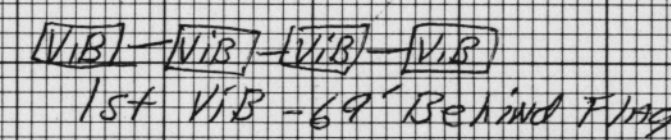
Unit Moveup: 20.6' Feet Meters

Array Centered: Across Sta  Between Sta

LINE COVER SHEET: DRAW DIAGRAM OF GEOPHONE ARRAY AND SOURCE ARRAY



4 Vib's



REMARKS: Air Gun Delay, etc.

VARI SOURCE USED Yes  No  Invalid Channels:



| CREW NO. | LINE NO. | LEAVE TOWN/CAMP        |    |     |    | ARRIVE TOWN/CAMP |                  | TOTAL TR. TIME    | DOWN TIME | WEATHER | TRAIL CONDITIONS | DATE      |      |         | CLIENT  | OBS          | PM       | REMARKS                                       |              |          |                     |
|----------|----------|------------------------|----|-----|----|------------------|------------------|-------------------|-----------|---------|------------------|-----------|------|---------|---------|--------------|----------|---|--------------|----------|---------------------|
|          |          | TR                     | TR | TR  | TR | POSITION         | REEL NO.         |                   |           |         |                  | NO. MONTH | DAY  | YEAR    |         |              |          |   |              |          |                     |
| FILE NO. | STA. NO. | STA. NO'S (LIVE GRPS.) |    |     |    | C. D. P.         | DIGITAL REEL NO. | GAIN PAMPS or "K" | PARITY    |         | SHOOTING         |           |      |         |         | SUR. SOURCES |          |   | INST. SET UP | TIME DAY | STA. OFFSET TO LINE |
|          |          | TR                     | TR | TR  | TR |                  |                  |                   | TAPE      | MEMORY  | SIZE             | TOP       | BOT. | NO CAPS | U. H.T. | N. UNITS     | NO. SUMS | DRIVE   |              |          |                     |
| 018      | 36       | 39                     | -  | 134 | 39 | 966              | 48               |                   |           |         |                  |           |      |         |         |              |          | B-O.T #966, 900 10sec ALL ONES                |              |          |                     |
| 019      | 36       | 39                     | -  | 134 | 39 |                  |                  |                   |           |         |                  |           |      |         |         |              |          |   |              |          |                     |
| SKIP     | 37       | 40                     | -  | 135 | 40 |                  |                  |                   |           |         |                  |           |      |         |         |              |          | Due to steep + narrow shoulder                |              |          |                     |
| SKIP     | 38       | 41                     | -  | 136 | 41 |                  |                  |                   |           |         |                  |           |      |         |         |              |          | Due to A Bridge                               |              |          |                     |
| 020      | 39       | 42                     | -  | 137 | 42 |                  |                  |                   |           |         |                  |           |      |         |         |              |          |   |              |          |                     |
| 021      | 40       | 43                     | -  | 138 | 43 |                  |                  |                   |           |         |                  |           |      |         |         |              |          |   |              |          |                     |
| 022      | 41       | 44                     | -  | 139 | 44 |                  |                  |                   |           |         |                  |           |      |         |         |              |          | LAST HALF.                                    |              |          |                     |
| SKIP     | 42       | 45                     | -  | 140 | 45 |                  |                  |                   |           |         |                  |           |      |         |         |              |          | Due to trailers and House From STA# 42 to 45. |              |          |                     |

| GEO-252-D |            | OBSERVER REPORT PETTY-RAY GEOPHYSICAL |                  |                |           |                   |                  |            |                 |              |        |      |         |              |          |          | PAGE / OF 2 PAGES |              |                     |  |
|-----------|------------|---------------------------------------|------------------|----------------|-----------|-------------------|------------------|------------|-----------------|--------------|--------|------|---------|--------------|----------|----------|-------------------|--------------|---------------------|--|
| CREW NO.  | LINE #     | LEAVE TOWN/CAMP                       | ARRIVE TOWN/CAMP | TOTAL TR. TIME | DOWN TIME | WEATHER           | TRAIL CONDITIONS | DATE MONTH | DAY             | YEAR         | CLIENT | OB   | PM      | REMARKS      |          |          |                   |              |                     |  |
| FILE NO.  | STA. NO.   | SIA. NO'S (LIVE GRPS.)                |                  |                |           | C. D. P. POSITION | DIGITAL REEL NO. | GAIN       | PARITY          | SHOOTING     |        |      |         | SUR. SOURCES |          |          | INST. SET UP      | TIME DAY     | STA. OFFSET TO LINE |  |
|           |            | TR                                    | TR               | TR             | TR        |                   | PAMPS or "K"     | TAPE       | MEMORY          | SIZE         | TOP    | BOT. | NO CAPS | U. H.T.      | N. UNITS | NO. SUMS | DRIVE             |              |                     |  |
| 933       | Pulse      | 1                                     | -                | 6              | sec       |                   | 966              | 48         | missed 5 sweeps |              |        |      |         |              |          |          |                   | 118          | 990'                | Georgia, Colquitt Co. S→N                |
| 934       | EINT       | 2                                     | -                | "              | "         |                   |                  |            |                 |              |        |      |         |              |          |          |                   |              |                     | 5 Vib's 1st vib starts 44' Behind Flag   |
| 936       | D.R.D      | 4                                     | -                | "              | "         |                   |                  |            |                 |              |        |      |         |              |          |          |                   | ARRIVE FIELD | 7:35                | 50' spacing, 20.6 move ups, 16 sec sweep |
| 953       | sum test   | 2                                     | -                | "              | "         |                   |                  |            |                 |              |        |      |         |              |          |          |                   |              |                     | 16 sweeps, 32 sec Record, Alais 3/25m    |
| 960       | NIRIT      | 2                                     | -                | "              | "         |                   |                  |            |                 |              |        |      |         |              |          |          |                   |              |                     | STA* 119, 124, 147 All open Due-         |
| 932       | similarity | 1                                     | -                | 16             | sec       | 236               |                  |            |                 |              |        |      |         |              | 5        | 30%      |                   |              | 9:20                | TO Drive ways.                           |
| 023       | WINDstrip  | 1                                     | -                | 32             | sec       | 3                 | Alais            | 62.5m      | 4ms             | sample Rate. |        |      |         |              |          |          |                   |              |                     |  |
| 024       | 46         | 49                                    | -                | 144            |           | 3                 |                  |            |                 |              |        |      |         |              | 5        | 16       | 30%               |              | 10:30               |  |
| 025       | 47         | 50                                    | -                | 145            |           | 4                 |                  |            |                 |              |        |      |         |              |          |          | 30%               |              |                     | stacked last half                        |
| SKIP      | 48         | 51                                    | -                | 146            |           | 5                 |                  |            |                 |              |        |      |         |              |          |          | 30%               |              |                     | Due TO SOFT shoulder.                    |
| 026       | 49         | 52                                    | -                | 147            |           | 6                 |                  |            | 1               |              |        |      |         |              |          |          | 30%               |              |                     | stacked 1st half.                        |
| SKIP      | 50         | 53                                    | -                | 148            |           | 7                 |                  |            |                 |              |        |      |         |              |          |          | 30%               |              |                     | From 50-57 Due TO Houses.                |
| 027       | 58         | 61                                    | -                | 156            |           | 15                |                  |            |                 |              |        |      |         |              |          |          | 30%               |              |                     | stacked last half.                       |
| 028       | 59         | 62                                    | -                | 157            |           | 16                |                  |            |                 |              |        |      |         |              |          |          | 30%               |              |                     |  |
| 029       | 60         | 63                                    | -                | 158            |           | 17                |                  |            |                 |              |        |      |         |              |          |          | 30%               |              |                     | STA* 160 open due TO Drive way.          |
| 030       | 61         | 64                                    | -                | 159            |           | 18                |                  |            |                 |              |        |      |         |              |          |          | 30%               |              |                     | Vibs ON LEFT side OF Road.               |
| 031       | 62         | 65                                    | -                | 160            |           | 19                |                  |            |                 |              |        |      |         |              |          |          | 30%               |              |                     | 6 sweeps ONLY                            |
| SKIP      | 63         | 66                                    | -                | 161            |           | 20                |                  |            |                 |              |        |      |         |              |          |          | 30%               |              |                     | Due TO Barn.                             |
| 032       | 64         | 67                                    | -                | 162            |           | 21                |                  |            |                 |              |        |      |         |              |          |          | 30%               |              |                     | Vibs BACK ON RIGHT side OF Road.         |
| SKIP      | 65         | 68                                    | -                | 163            |           | 22                |                  |            |                 |              |        |      |         |              |          |          | 30%               |              |                     | From 65-74 Due TO Houses.                |
| 033       | 75         | 78                                    | -                | 173            |           | 32                |                  |            |                 |              |        |      |         |              |          |          | 30%               |              |                     | stacked last half.                       |
| 034       | 76         | 79                                    | -                | 174            |           | 33                | 966              |            |                 |              |        |      |         |              |          |          | 30%               |              |                     | EOT # 966 Tape MKTs.                     |
| 035       | 77         | 80                                    | -                | 175            |           | 34                | 967              | wind strip |                 |              |        |      |         |              |          |          | 30%               |              |                     | BOT # 967 *900 10sec All ones            |
| 036       | 77         | 80                                    | -                | 175            |           | 34                |                  |            |                 |              |        |      |         |              |          |          | 30%               |              |                     | stacked 1st half.                        |
| SKIP      | 78         | 81                                    | -                | 176            |           | 35                |                  |            |                 |              |        |      |         |              |          |          | 30%               |              |                     | From 78-81 Due TO Houses.                |
| 037       | 82         | 85                                    | -                | 180            |           | 39                |                  |            |                 |              |        |      |         |              |          |          | 30%               |              |                     | stacked last half.                       |
| SKIP      | 83         | 86                                    | -                | 181            |           | 40                |                  |            |                 |              |        |      |         |              |          |          | 30%               |              |                     | Due TO Houses                            |
| SKIP      | 84         | 87                                    | -                | 182            |           | 41                |                  |            |                 |              |        |      |         |              |          |          | 30%               |              |                     | " " "                                    |
| 038       | 85         | 88                                    | -                | 183            |           | 42                |                  |            |                 |              |        |      |         |              |          |          | 30%               |              |                     | stacked last half.                       |
| 039       | 86         | 89                                    | -                | 184            |           | 43                |                  |            |                 |              |        |      |         |              |          |          | 30%               |              |                     |  |
| 040       | 87         | 90                                    | -                | 185            |           | 44                |                  |            |                 |              |        |      |         |              |          |          | 30%               |              |                     | stacked 1st half                         |
| SKIP      | 88         | 91                                    | -                | 186            |           | 45                |                  |            |                 |              |        |      |         |              |          |          | 30%               |              |                     | Due TO house                             |



OBSERVER REPORT PETTY-RAY GEOPHYSICAL

| CREW NO. | LINE NO.   | LEAVE TOWN/CAMP        | ARRIVE TOWN/CAMP | TOTAL TR. TIME | DOWN TIME | WEATHER           | TRAIL CONDITIONS | DATE MONTH        | DAY         | YEAR                   | CLIENT | OB        | PM        |         |        |          |          |       |              |          |                     |  |  |
|----------|------------|------------------------|------------------|----------------|-----------|-------------------|------------------|-------------------|-------------|------------------------|--------|-----------|-----------|---------|--------|----------|----------|-------|--------------|----------|---------------------|--|--|
| 6834     | 11         | 7:00                   |                  |                |           | Clear             | Dirt Road        | 3                 | 3           | 84                     | COCORP | R. PATTON | L. Davis. |         |        |          |          |       |              |          |                     |  |  |
| FILE NO. | STA. NO.   | STA. NO'S (LIVE GRPS.) |                  |                |           | C. D. P. POSITION | DIGITAL REEL NO. | GAIN PAMPS or "K" | PARITY TAPE | MEMORY                 | SIZE   | TOP       | BOT.      | NO CAPS | U.H.T. | N. UNITS | NO. SUMS | DRIVE | INST. SET UP | TIME DAY | STA. OFFSET TO LINE | REMARKS  |  |
| 933      | Pulse      | 1-6 sec                |                  |                |           |                   | 967              | 48                |             | Missed Sweeps          |        |           |           |         |        |          | 16       |       | 175          | 990      |                     | Georgia, CONQUITT, CO.                             |  |
| 934/935  | EINT       | 2 - " "                |                  |                |           |                   |                  |                   |             |                        |        |           |           |         |        |          |          |       |              |          |                     | 5 Vibs, 1st Vib -44' Behind Flag                   |  |
| 936/939  | DRD        | 4 - " "                |                  |                |           |                   |                  |                   |             |                        |        |           |           |         |        |          |          |       |              |          |                     | 50' spacing 20.6 move up, 16 sec                   |  |
| 953/954  | Sum Test   | 2 - " "                |                  |                |           |                   |                  |                   |             |                        |        |           |           |         |        |          |          |       |              |          |                     | Active Field sweep, 16 sweep, 32 sec Record, Alias |  |
| 960/961  | NRT Test   | 2 - " "                |                  |                |           |                   |                  |                   |             |                        |        |           |           |         |        |          |          |       |              |          |                     | 7.45 31.5, STA#119, 124, 147, 160, OPEN            |  |
| 932      | Similarity | 1-16 sec               |                  |                |           | 236               | 967              |                   |             |                        |        |           |           |         |        | 5        |          | 30%   |              | 8:15     |                     | Due to Drive ways                                  |  |
| 049      | windstrip  | 1-32 sec               |                  |                |           | 6                 | 968              |                   |             | Alias 62.5, 4ms sample |        |           |           |         |        | 5        | 16       | 30%   |              |          |                     | E.O.T#967 TAPE MKTS                                |  |
| 050      | 106        | 109                    | -                | 204            | 6         |                   |                  |                   |             |                        |        |           |           |         |        |          |          |       |              |          |                     | B.O.T#968, 900 10sec ALLONES                       |  |
| 051      | 107        | 110                    | -                | 205            | 7         |                   |                  |                   |             |                        |        |           |           |         |        |          |          |       |              |          |                     | Lot of Traffic Along Line.                         |  |
| 052      | 108        | 111                    | -                | 206            | 8         |                   |                  |                   |             |                        |        |           |           |         |        |          |          |       |              |          |                     | 4 way HIway Crossing AT STA#181                    |  |
| 053      | 109        | 112                    | -                | 207            | 9         |                   |                  |                   |             |                        |        |           |           |         |        |          |          |       |              |          |                     |  |  |
| 054      | 110        | 113                    | -                | 208            | 10        |                   |                  |                   |             |                        |        |           |           |         |        |          |          |       |              |          |                     |  |  |
| 055      | 111        | 114                    | -                | 209            | 11        |                   |                  |                   |             |                        |        |           |           |         |        |          |          |       |              |          |                     |  |  |
| 056      | 112        | 115                    | -                | 210            | 12        |                   |                  |                   |             |                        |        |           |           |         |        |          |          |       |              |          |                     | Stacked 1st half.                                  |  |
| 057      | 113        | 116                    | -                | 211            | 13        |                   |                  |                   |             |                        |        |           |           |         |        |          |          |       |              |          |                     | Stacked Last half.                                 |  |
| 058      | 114        | 117                    | -                | 212            | 14        |                   |                  |                   |             |                        |        |           |           |         |        |          |          |       |              |          |                     |  |  |
| 059      | 115        | 118                    | -                | 213            | 15        |                   |                  |                   |             |                        |        |           |           |         |        |          |          |       |              |          |                     |  |  |
| 060      | 116        | 119                    | -                | 214            | 16        |                   |                  |                   |             |                        |        |           |           |         |        |          |          |       |              |          |                     |  |  |
| 061      | 117        | 120                    | -                | 215            | 17        |                   |                  |                   |             |                        |        |           |           |         |        |          |          |       |              |          |                     |  |  |
| SKIP     | 118        | 121                    | -                | 216            | 18        |                   |                  |                   |             |                        |        |           |           |         |        |          |          |       |              |          |                     |  |  |
| 062      | 122        | 125                    | -                | 220            | 22        |                   |                  |                   |             |                        |        |           |           |         |        |          |          |       |              |          |                     |  | Due to Houses, From STA#118 to 121       |
| SKIP     | 123        | 126                    | -                | 221            | 23        |                   |                  |                   |             |                        |        |           |           |         |        |          |          |       |              |          |                     |  | Stacked 1st HAIF.                        |
| 063      | 128        | 131                    | -                | 226            | 28        |                   |                  |                   |             |                        |        |           |           |         |        |          |          |       |              |          |                     |  | From STA#123 to 127, Due to Houses.      |
| SKIP     | 129        | 132                    | -                | 227            | 29        |                   |                  |                   |             |                        |        |           |           |         |        |          |          |       |              |          |                     |  | Last HAIF, Vibs ON shoulder of Road.     |
| 064      | 135        | 138                    | -                | 233            | 35        |                   |                  |                   |             |                        |        |           |           |         |        |          |          |       |              |          |                     |  | Last HAIF.                               |
| SKIP     | 136        | 139                    | -                | 234            | 36        |                   |                  |                   |             |                        |        |           |           |         |        |          |          |       |              |          |                     |  | From STA#136 to 138 SKIP, Due to Houses. |
| 065      | 139        | 142                    | -                | 237            | 39        |                   |                  |                   |             |                        |        |           |           |         |        |          |          |       |              |          |                     |  |  |
| 066      | 140        | 143                    | -                | 238            | 40        |                   |                  |                   |             |                        |        |           |           |         |        |          |          |       |              |          |                     |  |  |
| SKIP     | 141        | 144                    | -                | 239            | 41        |                   |                  |                   |             |                        |        |           |           |         |        |          |          |       |              |          |                     |  |  |
| 067      | 148        | 151                    | -                | 246            | 48        | 968               |                  |                   |             |                        |        |           |           |         |        |          |          |       |              |          |                     |  | From STA#141 to 147 SKIP, Due to House   |
| 068      | 149        | 152                    | -                | 247            | 30        | 969               | windstrip        |                   |             |                        |        |           |           |         |        |          |          |       |              |          |                     |  | E.O.T#968, TAPE MKTS.                    |
| 069      | 149        | 152                    | -                | 247            | 30        |                   |                  |                   |             |                        |        |           |           |         |        |          |          |       |              |          |                     |  | Recorder moved 200, STA#194, 195.        |
|          |            |                        |                  |                |           |                   |                  |                   |             |                        |        |           |           |         |        |          |          |       |              |          |                     |  | B.O.T#969 900 10sec ALL ONES.            |

OBSERVER REPORT PETTY-RAY GEOPHYSICAL

| CREW NO. 6834 |          | LINE NO. 11            |    | LEAVE TOWN/CAMP |    | ARRIVE TOWN/CAMP  |                  | TOTAL TR. TIME    |        | DOWN TIME |      | WEATHER Clear |      | TRAIL CONDITIONS should |        | DATE MONTH 3 DAY 3 YEAR 84 |              | CLIENT COOPER |     | OB R. PATTON |          | PM L. DAVIS         |                    |
|---------------|----------|------------------------|----|-----------------|----|-------------------|------------------|-------------------|--------|-----------|------|---------------|------|-------------------------|--------|----------------------------|--------------|---------------|-----|--------------|----------|---------------------|--------------------|
| FILE NO.      | STA. NO. | STA. NO'S (LIVE GRPS.) |    |                 |    | C. D. P. POSITION | DIGITAL REEL NO. | GAIN PAMPS or "K" | PARITY |           |      | SHOOTING      |      |                         |        |                            | SUR. SOURCES |               |     | INST. SET UP | TIME DAY | STA. OFFSET TO LINE | REMARKS            |
|               |          | TR                     | TR | TR              | TR |                   |                  |                   | TAPE   | MEMORY    | SIZE | TOP           | BOT. | NO CAPS                 | U.H.T. | N. UNITS                   | NO. SUMS     | DRIVE         |     |              |          |                     |                    |
| 070           | 150      | 153                    | -  | 248             | 31 | 969               | 48               |                   |        |           |      |               |      |                         |        | 5                          | 16           | 30%           | 194 | 990          |          |                     |                    |
| 071           | 151      | 154                    | -  | 249             | 32 |                   |                  |                   |        |           |      |               |      |                         |        |                            |              | 30%           |     |              |          |                     | 1st HAIF.          |
| SKIP          | 152      | 155                    | -  | 250             | 33 |                   |                  |                   |        |           |      |               |      |                         |        |                            |              | SKIP          |     |              |          |                     | Due to Houses.     |
| SKIP          | 153      | 156                    | -  | 251             | 34 |                   |                  |                   |        |           |      |               |      |                         |        |                            |              | SKIP          |     |              |          |                     | " " "              |
| 072           | 154      | 157                    | -  | 252             | 35 |                   |                  |                   |        |           |      |               |      |                         |        |                            |              | 30%           |     |              |          |                     |                    |
| 073           | 155      | 158                    | -  | 253             | 36 |                   |                  |                   |        |           |      |               |      |                         |        |                            |              | 30%           |     |              |          |                     | 1st HAIF.          |
| SKIP          | 156      | 159                    | -  | 254             | 37 |                   |                  |                   |        |           |      |               |      |                         |        |                            |              | SKIP          |     |              |          |                     | Due to A cemetery. |
| 074           | 157      | 160                    | -  | 255             | 38 |                   |                  |                   |        |           |      |               |      |                         |        |                            |              | 30%           |     |              |          |                     |                    |
| 075           | 158      | 161                    | -  | 256             | 39 |                   |                  |                   |        |           |      |               |      |                         |        |                            |              | 30%           |     |              |          |                     |                    |
| 076           | 159      | 162                    | -  | 257             | 40 |                   |                  |                   |        |           |      |               |      |                         |        |                            |              | 30%           |     |              |          |                     |                    |
| 077           | 160      | 163                    | -  | 258             | 41 |                   |                  |                   |        |           |      |               |      |                         |        |                            |              | 30%           |     |              |          |                     |                    |

OBSERVER REPORT PETTY-RAY GEOPHYSICAL

| CREW NO. | LINE NO.   | LEAVE TOWN/CAMP        | ARRIVE TOWN/CAMP | TOTAL TR. TIME | DOWN TIME | WEATHER           | TRAIL CONDITIONS | DATE MONTH        | DAY    | YEAR | CLIENT   | OB        | PM      |   |              |    |      |              |          |                                      |         |
|----------|------------|------------------------|------------------|----------------|-----------|-------------------|------------------|-------------------|--------|------|----------|-----------|---------|---|--------------|----|------|--------------|----------|--------------------------------------|---------|
| 6834     | #11        | 7:00                   |                  |                |           | cloudy            | Shoulder         | 3                 | 5      | 84   | ECCORP   | R. PATTON | Z-DAVIS |   |              |    |      |              |          |                                      |         |
| FILE NO. | STA. NO.   | STA. NO'S (LIVE GRPS.) |                  |                |           | C. D. P. POSITION | DIGITAL REEL NO. | GAIN PAMPS or "K" | PARITY |      | SHOOTING |           |         |   | SUR. SOURCES |    |      | INST. SET UP | TIME DAY | STA. OFFSET TO LINE                  | REMARKS |
| 933      | Pulse      | 1                      | -                | 6              | sec       | 0                 | 969              | 48                |        |      |          |           |         |   | 5            | 16 |      | 233          | 990'     | GEORGIA CONQUITT CO.                 |         |
| 934      | EINT       | 2                      | -                | "              | "         |                   |                  |                   |        |      |          |           |         |   |              |    |      |              |          | 5 Vib's, 1st Vib -44' Behind Flag    |         |
| 935      | DIR.D      | 4                      | -                | "              | "         |                   |                  |                   |        |      |          |           |         |   |              |    |      |              |          | 50' spacing, 20.6 move up, 16 sweep  |         |
| 936      | sum test   | 2                      | -                | "              | "         |                   |                  |                   |        |      |          |           |         |   |              |    |      |              |          | 16 sec sweep, 32 sec Record.         |         |
| 937      | N.R.J      | 2                      | -                | "              | "         |                   |                  |                   |        |      |          |           |         |   |              |    |      |              |          | ARRIVE Field                         |         |
| 938      | Similarity | 1                      | -                | 16             | sec       | 236               |                  |                   |        |      |          |           |         | 5 |              |    | 30%  | 8:45         |          |                                      |         |
| 078      | Windstrip  | 1                      | -                | 32             | sec       | 3                 |                  |                   |        |      |          |           |         |   |              |    |      |              |          | Alias 62-5, 4ms sample RATE          |         |
| 079      | 161        | 164                    | -                | 259            |           | 3                 |                  |                   |        |      |          |           |         | 5 | 16           |    | 30%  | 9:45         |          | NOTE: WINDS BLOWING AT 10-12         |         |
| 080      | 162        | 165                    | -                | 260            |           | 4                 |                  |                   |        |      |          |           |         |   |              |    | 30%  |              |          | M.P.H., Light RAIN Along Line.       |         |
| 081      | 163        | 166                    | -                | 261            |           | 5                 |                  |                   |        |      |          |           |         | 4 |              |    | 30%  |              |          | 4 sweep only File #081.              |         |
| SKIP     | 164        | 167                    | -                | 262            |           | 6                 |                  |                   |        |      |          |           |         |   |              |    | SKIP |              |          | From sta #164 to 173 SKIP Due to     |         |
| 082      | 174        | 177                    | -                | 272            |           | 16                |                  |                   |        |      |          |           |         |   |              |    | 30%  |              |          | HOUSES.                              |         |
| 083      | 175        | 178                    | -                | 273            |           | 17                |                  |                   |        |      |          |           |         |   |              |    | 30%  |              |          |                                      |         |
| 084      | 176        | 179                    | -                | 274            |           | 18                | 969              |                   |        |      |          |           |         |   |              |    | 30%  |              |          | E.O. + #969, TAPE MKTS               |         |
| SKIP     | 177        | 180                    | -                | 275            |           | 19                | SKIP             |                   |        |      |          |           |         |   |              |    | SKIP |              |          | From sta #177 to 185, Due to Houses. |         |
| 085      | 186        | 189                    | -                | 284            |           | 28                | 970              | Windstrip         |        |      |          |           |         |   |              |    | 60%  |              |          |                                      |         |
| 086      | 186        | 189                    | -                | 284            |           | 28                |                  |                   |        |      |          |           |         |   |              |    | 30%  |              |          |                                      |         |
| SKIP     | 187        | 190                    | -                | 285            |           | 29                |                  |                   |        |      |          |           |         |   |              |    | SKIP |              |          | From sta #187 to 189 Due to Houses   |         |
| 087      | 190        | 193                    | -                | 288            |           | 32                |                  |                   |        |      |          |           |         |   |              |    | 30%  |              |          | LAST HALF.                           |         |
| 088      | 191        | 194                    | -                | 289            |           | 33                |                  |                   |        |      |          |           |         |   |              |    | 30%  |              |          | 1st HALF.                            |         |
| SKIP     | 192        | 195                    | -                | 290            |           | 34                |                  |                   |        |      |          |           |         |   |              |    | SKIP |              |          | Due to House.                        |         |
| 089      | 193        | 196                    | -                | 291            |           | 35                |                  |                   |        |      |          |           |         |   |              |    | 30%  |              |          | LAST HALF.                           |         |
| 090      | 194        | 197                    | -                | 292            |           | 36                |                  |                   |        |      |          |           |         |   |              |    | 30%  |              |          |                                      |         |
| 091      | 195        | 198                    | -                | 293            |           | 37                |                  |                   |        |      |          |           |         |   |              |    | 30%  |              |          |                                      |         |
| 092      | 196        | 199                    | -                | 294            |           | 38                |                  |                   |        |      |          |           |         |   |              |    | 30%  |              |          |                                      |         |
| 093      | 197        | 200                    | -                | 295            |           | 39                |                  |                   |        |      |          |           |         |   |              |    | 30%  |              |          | 1st HALF                             |         |
| SKIP     | 198        | 201                    | -                | 296            |           | 40                |                  |                   |        |      |          |           |         |   |              |    | SKIP |              |          | From sta #198 to 205, Due to Houses. |         |
| 094      | 206        | 209                    | -                | 304            |           | 48                |                  |                   |        |      |          |           |         |   |              |    | 30%  |              |          | LAST HALF.                           |         |
| 095      | 207        | 210                    | -                | 305            |           | 49                |                  |                   |        |      |          |           |         |   |              |    | 30%  |              |          |                                      |         |
| 096      | 208        | 211                    | -                | 306            |           | 16                |                  |                   |        |      |          |           |         |   |              |    | 30%  | 267          |          | Recorder moved up at 267-268         |         |
| 097      | 209        | 212                    | -                | 307            |           | 17                |                  |                   |        |      |          |           |         |   |              |    | 30%  |              |          | LAST HALF. WINDS ARE BLOWING AT      |         |
| 098      | 210        | 213                    | -                | 308            |           | 18                |                  |                   |        |      |          |           |         |   |              |    | 30%  |              |          | 15 to 18 M.P.H., steady.             |         |



OBSERVER REPORT PETTY-RAY GEOPHYSICAL

| CREW NO. | LINE NO.   | LEAVE TOWN/CAMP        | ARRIVE TOWN/CAMP | TOTAL TR. TIME | DOWN TIME | WEATHER           | TRAIL CONDITIONS | DATE MONTH        | DAY         | YEAR   | CLIENT | OB. | PM.      |         |          |              |          |       |              |          |                     |   |
|----------|------------|------------------------|------------------|----------------|-----------|-------------------|------------------|-------------------|-------------|--------|--------|-----|----------|---------|----------|--------------|----------|-------|--------------|----------|---------------------|---|
| FILE NO. | STA. NO.   | STA. NO'S (LIVE GRPS.) |                  |                |           | C. D. P. POSITION | DIGITAL REEL NO. | GAIN PAMPS or "K" | PARITY TAPE | MEMORY | SIZE   | TOP | SHOOTING |         |          | SUR. SOURCES |          |       | INST. SET UP | TIME DAY | STA. OFFSET TO LINE | REMARKS   |
|          |            | TR                     | TR               | TR             | TR        |                   |                  |                   |             |        |        |     |          | NO CAPS | U. H. T. | N. UNITS     | NO. SUMS | DRIVE |              |          |                     |   |
| 933      | PULSE      | 1                      | -                | 6              | sec       |                   | 971              | 48                |             |        |        |     |          |         |          | 5            | 16       |       | 287          | 990      |                     | GEORGIA, WORTH, CO.<br>B.O.T #971, 900 10sec ALL ONES.  |
| 935      | EINT       | 2                      | -                | "              | "         |                   |                  |                   |             |        |        |     |          |         |          |              |          |       |              |          |                     | 5 Vibs, 1st Vib - 44' Behind FLAG                       |
| 936      | DRD        | 4                      | -                | "              | "         |                   |                  |                   |             |        |        |     |          |         |          |              |          |       |              |          |                     | ARRIVE Field 9:45<br>50' spacing, 20.6' move UCB, 16sec |
| 953      | Sum test   | 2                      | -                | "              | "         |                   |                  |                   |             |        |        |     |          |         |          |              |          |       |              |          |                     | sweep, 16 sweep, 32 sec Record.                         |
| 960      | N.R.J      | 2                      | -                | "              | "         |                   |                  |                   |             |        |        |     |          |         |          |              |          |       |              |          |                     |   |
| 932      | similarity | 1                      | -                | 16             | sec       | 236               |                  |                   |             |        |        |     |          |         |          | 5            |          |       | 30%          | 8:30     |                     |   |
| 104      | windstrip  | 1                      | -                | 32             | sec       | 4                 |                  |                   |             |        |        |     |          |         |          |              |          |       | 60%          |          |                     | Alias 62.5, 4ms sample RATE                             |
| 105      | 216        | 219                    | -                | 314            |           | 4                 |                  |                   |             |        |        |     |          |         |          | 5            |          |       | 30%          | 9:10     |                     |   |
| 106      | 217        | 220                    | -                | 315            |           | 5                 |                  |                   |             |        |        |     |          |         |          |              |          |       | 30%          |          |                     |   |
| 107      | 218        | 221                    | -                | 316            |           | 6                 |                  |                   |             |        |        |     |          |         |          |              |          |       | 6            | 30%      |                     | 6 sweep ONLY, File # 107                                |
| SKIP     | 219        | 222                    | -                | 317            |           | 7                 |                  |                   |             |        |        |     |          |         |          |              |          |       | SKIP         |          |                     | Due to Houses. From sta# 219 to 222                     |
| 108      | 229        | 232                    | -                | 327            |           | 17                |                  |                   |             |        |        |     |          |         |          |              |          |       | 30%          |          |                     | stacked LAST HAIF.                                      |
| 109      | 230        | 233                    | -                | 328            |           | 18                |                  |                   |             |        |        |     |          |         |          |              |          |       | 30%          |          |                     |   |
| 110      | 231        | 234                    | -                | 329            |           | 19                |                  |                   |             |        |        |     |          |         |          |              |          |       | 30%          |          |                     |   |
| SKIP     | 232        | 235                    | -                | 330            |           | 20                |                  |                   |             |        |        |     |          |         |          |              |          |       | SKIP         |          |                     | From sta# 232 to 240 SKIP Due to Ho                     |
| 111      | 241        | 244                    | -                | 339            |           | 29                |                  |                   |             |        |        |     |          |         |          |              |          |       | 30%          |          |                     | stacked LAST HAIF.                                      |
| 112      | 242        | 245                    | -                | 340            |           | 30                |                  |                   |             |        |        |     |          |         |          |              |          |       | 30%          |          |                     | Vibs will be on Dirt Road.                              |
| 113      | 243        | 246                    | -                | 341            |           | 31                |                  |                   |             |        |        |     |          |         |          |              |          |       | 30%          |          |                     |   |
| 114      | 244        | 247                    | -                | 342            |           | 32                |                  |                   |             |        |        |     |          |         |          |              |          |       | 30%          |          |                     |   |
| SKIP     | 245        | 248                    | -                | 343            |           | 33                |                  |                   |             |        |        |     |          |         |          |              |          |       | SKIP         |          |                     | Due to House.   |
| 115      | 246        | 249                    | -                | 344            |           | 34                |                  |                   |             |        |        |     |          |         |          |              |          |       | 30%          |          |                     | LAST HAIF.  |
| 116      | 247        | 250                    | -                | 345            |           | 35                |                  |                   |             |        |        |     |          |         |          |              |          |       | 30%          |          |                     |   |
| 117      | 248        | 251                    | -                | 346            |           | 36                |                  |                   |             |        |        |     |          |         |          |              |          |       | 30%          |          |                     |   |
| SKIP     | 249        | 252                    | -                | 347            |           | 37                |                  |                   |             |        |        |     |          |         |          |              |          |       | SKIP         |          |                     | Due to House.   |
| 118      | 250        | 253                    | -                | 348            |           | 38                |                  |                   |             |        |        |     |          |         |          |              |          |       | 30%          |          |                     | LAST HAIF.  |
| 119      | 251        | 254                    | -                | 349            |           | 39                |                  |                   |             |        |        |     |          |         |          |              |          |       | 30%          |          |                     |   |
| 120      | 252        | 255                    | -                | 350            |           | 40                | 971              |                   |             |        |        |     |          |         |          |              |          |       | 30%          |          |                     | E.O.T #971, TAPE MKTS.                                  |
| 121      | 253        | 256                    | -                | 351            |           | 41                | 972              | windstrip         |             |        |        |     |          |         |          |              |          |       | 60%          |          |                     | B.O.T #972, 900 10sec ALL ONES.                         |
| 122      | 253        | 256                    | -                | 351            |           | 41                |                  |                   |             |        |        |     |          |         |          |              |          |       | 30%          |          |                     |   |
| 123      | 254        | 257                    | -                | 352            |           | 42                |                  |                   |             |        |        |     |          |         |          |              |          |       | 30%          |          |                     |   |
| SKIP     | 255        | 258                    | -                | 353            |           | 43                |                  |                   |             |        |        |     |          |         |          |              |          |       | SKIP         |          |                     | Due to Houses.  |
| SKIP     | 256        | 259                    | -                | 354            |           | 44                |                  |                   |             |        |        |     |          |         |          |              |          |       | SKIP         |          |                     | " " "   |



# OBSERVER REPORT PETTY-RAY GEOPHYSICAL

GEO-252-D

| CREW NO. 6839 |           | LINE # 11              |    | LEAVE TOWN/CAMP 7:00 |     | ARRIVE TOWN/CAMP  |                  | TOTAL TR. TIME    |        | DOWN TIME |          | WEATHER clear |      | TRAIL CONDITIONS Dirt Road |         | DATE MONTH 3 DAY 9 YEAR 84 |              | CLIENT COXCORP |                     | OB R. PATTON                                     |  | PM J. DAVIS |  |
|---------------|-----------|------------------------|----|----------------------|-----|-------------------|------------------|-------------------|--------|-----------|----------|---------------|------|----------------------------|---------|----------------------------|--------------|----------------|---------------------|--|--|-------------|--|
| FILE NO.      | STA. NO.  | STA. NO'S (LIVE GRPS.) |    |                      |     | C. D. P. POSITION | DIGITAL REEL NO. | GAIN PAMPS or "K" | PARITY |           | SHOOTING |               |      | SUR. SOURCES               |         |                            | INST. SET UP | TIME DAY       | STA. OFFSET TO LINE | REMARKS  |  |             |  |
|               |           | TR                     | TR | TR                   | TR  |                   |                  |                   | TAPE   | MEMORY    | SIZE     | TOP           | BOT. | NO CAPS                    | U. H.T. | N. UNITS                   |              |                |                     |  |  |             |  |
| 933           | Pulse     | 1                      | -  | 6                    | sec |                   | 972              | 48                |        |           |          |               |      |                            | 5       | 16                         | 30%          | 344            | 990                 | GEORGIA, WORTH CO.                               |  |             |  |
| 934           | EINT      | 2                      | -  | "                    | "   |                   |                  |                   |        |           |          |               |      |                            |         |                            |              |                |                     | 5 Vib, 1st Vib - 44' Behind Flag                 |  |             |  |
| 935           | D.P.D     | 4                      | -  | "                    | "   |                   |                  |                   |        |           |          |               |      |                            |         |                            |              |                |                     | 50' spacing, 20.6 move up, 16sec                 |  |             |  |
| 936           | sum       | 2                      | -  | "                    | "   |                   |                  |                   |        |           |          |               |      |                            |         |                            |              |                |                     | ARRIVE Field 7:40 sweep, 16 sweep, 32 sec Record |  |             |  |
| 937           | N.R.J     | 2                      | -  | "                    | "   |                   |                  |                   |        |           |          |               |      |                            |         |                            |              |                |                     |  |  |             |  |
| 932           | similar   | 1                      | -  | 16                   | sec | 236               | 972              |                   |        |           |          |               |      | 5                          |         | 30%                        | 8.15         |                |                     | E.O.T #972, TAPE MKTS                            |  |             |  |
| 135           | windstrip | 1                      | -  | 32                   | sec | 1                 | 973              |                   |        |           |          |               |      |                            |         | 60%                        |              |                |                     | B.O.T #973, 900 10sec ALL ONES.                  |  |             |  |
| 136           | 270       | 2                      | 73 | -                    | 368 | 1                 |                  |                   |        |           |          |               |      | 5                          |         | 30%                        | 9.15         |                |                     |  |  |             |  |
| 137           | 271       | 2                      | 74 | -                    | 369 | 2                 |                  |                   |        |           |          |               |      |                            |         | 30%                        |              |                |                     |  |  |             |  |
| 138           | 272       | 2                      | 75 | -                    | 370 | 3                 |                  |                   |        |           |          |               |      |                            |         | 30%                        |              |                |                     |  |  |             |  |
| 139           | 273       | 2                      | 76 | -                    | 371 | 4                 |                  |                   |        |           |          |               |      |                            |         | 30%                        |              |                |                     |  |  |             |  |
| 140           | 274       | 2                      | 77 | -                    | 372 | 5                 |                  |                   |        |           |          |               |      |                            |         | 30%                        |              |                |                     |  |  |             |  |
| 141           | 275       | 2                      | 78 | -                    | 373 | 6                 |                  |                   |        |           |          |               |      |                            |         | 30%                        |              |                |                     |  |  |             |  |
| 142           | 276       | 2                      | 79 | -                    | 374 | 7                 |                  |                   |        |           |          |               |      |                            |         | 30%                        |              |                |                     |  |  |             |  |
| 143           | 277       | 2                      | 80 | -                    | 375 | 8                 |                  |                   |        |           |          |               |      |                            |         | 30%                        |              |                |                     |  |  |             |  |
| 144           | 278       | 2                      | 81 | -                    | 376 | 9                 |                  |                   |        |           |          |               |      |                            |         | 30%                        |              |                |                     |  |  |             |  |
| 145           | 279       | 2                      | 82 | -                    | 377 | 10                |                  |                   |        |           |          |               |      |                            |         | 30%                        |              |                |                     |  |  |             |  |
| SKIP          | 280       | 2                      | 83 | -                    | 378 | 11                |                  |                   |        |           |          |               |      |                            |         | SKIP                       |              |                |                     | Due to House.                                    |  |             |  |
| 146           | 281       | 2                      | 84 | -                    | 379 | 12                |                  |                   |        |           |          |               |      | 6                          |         | 30%                        |              |                |                     | 6 sweep only, LAST HALF                          |  |             |  |
| 147           | 282       | 2                      | 85 | -                    | 380 | 13                |                  |                   |        |           |          |               |      |                            |         | 30%                        |              |                |                     |  |  |             |  |
| 148           | 283       | 2                      | 86 | -                    | 381 | 14                |                  |                   |        |           |          |               |      |                            |         | 30%                        |              |                |                     |  |  |             |  |
| 149           | 284       | 2                      | 87 | -                    | 382 | 15                |                  |                   |        |           |          |               |      |                            |         | 30%                        |              |                |                     | STA# 391, 392, 397, 384, OPEN                    |  |             |  |
| SKIP          | 285       | 2                      | 88 | -                    | 383 | 16                |                  |                   |        |           |          |               |      |                            |         | SKIP                       |              |                |                     | Due to Drive ways.                               |  |             |  |
| 150           | 305       | 3                      | 08 | -                    | 403 | 36                |                  |                   |        |           |          |               |      | 8                          |         | 30%                        |              |                |                     | From STA# 285 to 304 SKIP, Due to House          |  |             |  |
| SKIP          | 306       | 3                      | 09 | -                    | 404 | 37                |                  |                   |        |           |          |               |      |                            |         | SKIP                       |              |                |                     | 8 sweep only, File# 150, LAST HALF               |  |             |  |
| 151           | 309       | 3                      | 12 | -                    | 407 | 40                |                  |                   |        |           |          |               |      |                            |         | 30%                        |              |                |                     | From STA# 306 to 308 SKIP, Due to Houses.        |  |             |  |
| SKIP          | 310       | 3                      | 13 | -                    | 408 | 41                |                  |                   |        |           |          |               |      |                            |         | SKIP                       |              |                |                     |  |  |             |  |
| SKIP          | 311       | 3                      | 14 | -                    | 409 | 42                |                  |                   |        |           |          |               |      |                            |         | SKIP                       |              |                |                     | Due to GAS PIPELINE.                             |  |             |  |
| 152           | 312       | 3                      | 15 | -                    | 410 | 33                |                  |                   |        |           |          |               |      |                            |         | 30%                        | 3.54         |                |                     | Recorder moved up at 354+355                     |  |             |  |
| 153           | 313       | 3                      | 16 | -                    | 411 | 34                | 973              |                   |        |           |          |               |      |                            |         | 30%                        |              |                |                     | E.O.T #973, TAPE MKTS.                           |  |             |  |
| 154           | 314       | 3                      | 17 | -                    | 412 | 35                | 974              |                   |        |           |          |               |      |                            |         | 60%                        |              |                |                     | B.O.T #974, 900 10sec ALL ONES.                  |  |             |  |
| 155           | 314       | 3                      | 17 | -                    | 412 | 35                |                  |                   |        |           |          |               |      |                            |         | 30%                        |              |                |                     | windstrip  |  |             |  |

# OBSERVER REPORT PETTY-RAY GEOPHYSICAL

|               |              |                  |                  |                |           |               |                            |              |       |         |               |               |             |
|---------------|--------------|------------------|------------------|----------------|-----------|---------------|----------------------------|--------------|-------|---------|---------------|---------------|-------------|
| CREW NO. 6834 | LINE NO. #11 | LEAVE TOWN/CAMP. | ARRIVE TOWN/CAMP | TOTAL TR. TIME | DOWN TIME | WEATHER Clear | TRAIL CONDITIONS DIRT ROAD | DATE MONTH 3 | DAY 9 | YEAR 84 | CLIENT COCORP | OB. R. PATTON | PM L. DAVIS |
|---------------|--------------|------------------|------------------|----------------|-----------|---------------|----------------------------|--------------|-------|---------|---------------|---------------|-------------|

| FILE NO. | STA. NO. | STA. NO'S (LIVE GRPS.) |    |     |    | C. D. P. POSITION | DIGITAL REEL NO. | GAIN PAMPS or "K" | PARITY |        | SHOOTING |     |      |         |         | SUR. SOURCES |          |       | INST. SET UP | TIME DAY | STA. OFFSET TO LINE | REMARKS                                      |
|----------|----------|------------------------|----|-----|----|-------------------|------------------|-------------------|--------|--------|----------|-----|------|---------|---------|--------------|----------|-------|--------------|----------|---------------------|--|
|          |          | TR                     | TR | TR  | TR |                   |                  |                   | TAPE   | MEMORY | SIZE     | TOP | BOT. | NO CAPS | U. H.T. | N. UNITS     | NO. SUMS | DRIVE |              |          |                     |  |
| 136      | 315      | 318                    | -  | 413 |    | 36                | 974              | 48                |        |        |          |     |      |         |         |              | 5        | 16    | 30%          | 354      | 990'                | GEORGIA, WORTH CO.                           |
| 157      | 316      | 319                    | -  | 414 |    | 37                |                  |                   |        |        |          |     |      |         |         |              |          |       | 30%          |          |                     |  |
| 158      | 317      | 320                    | -  | 415 |    | 38                |                  |                   |        |        |          |     |      |         |         |              |          |       | 30%          |          |                     |  |
| 159      | 318      | 321                    | -  | 416 |    | 39                |                  |                   |        |        |          |     |      |         |         |              |          |       | 30%          |          |                     |  |
| SKIP     | 319      | 322                    | -  | 417 |    | 40                |                  |                   |        |        |          |     |      |         |         |              |          |       | SKIP         |          |                     | From STA# 319 to 321, Due to houses.<br>5:00 |

OBSERVER REPORT PETTY-RAY GEOPHYSICAL

| CREW NO. 6834 |            | LINE # 11              |    | LEAVE TOWN/CAMP 7:00 |     | ARRIVE TOWN/CAMP  |                  | TOTAL TR. TIME    |        | DOWN TIME |          | WEATHER clear |      | TRAIL CONDITIONS Dirt Road |              | DATE MONTH 3 DAY 10 YEAR 84 |          | CLIENT COCORP |          | OB R. PATTON PM L. DAVIS |                                   |
|---------------|------------|------------------------|----|----------------------|-----|-------------------|------------------|-------------------|--------|-----------|----------|---------------|------|----------------------------|--------------|-----------------------------|----------|---------------|----------|--------------------------|-----------------------------------|
| FILE NO.      | STA. NO.   | STA. NO'S (LIVE GRPS.) |    |                      |     | C. D. P. POSITION | DIGITAL REEL NO. | GAIN PAMPS or "K" | PARITY |           | SHOOTING |               |      |                            | SUR. SOURCES |                             |          | INST. SET UP  | TIME DAY | STA. OFFSET TO LINE      | REMARKS                           |
|               |            | TR                     | TR | TR                   | TR  |                   |                  |                   | TAPE   | MEMORY    | SIZE     | TOP           | BOT. | NO CAPS                    | U.H.T.       | N. UNITS                    | NO. SUMS |               |          |                          |                                   |
| 933           | Pulse      | 1                      | -  | 6                    | sec |                   | 974              | 48                |        |           |          |               |      |                            |              | 5                           | 16       | 30%           | 387      | 990'                     | GEORGIA, WORTH CO.                |
| 934           | FINT       | 2                      | -  | "                    | "   |                   |                  |                   |        |           |          |               |      |                            |              |                             |          |               |          |                          | 5 Vib, 1st Vib -44' Behind        |
| 935           | D.R.D      | 4                      | -  | "                    | "   |                   |                  |                   |        |           |          |               |      |                            |              |                             |          |               |          |                          | FLAG, 50' spacing, 20' move up    |
| 936           | PLUMBER    | 2                      | -  | "                    | "   |                   |                  |                   |        |           |          |               |      |                            |              |                             |          |               |          |                          | 16sec sweep, 16 sweep, 32sec Recd |
| 937           | NRJ        | 2                      | -  | "                    | "   |                   |                  |                   |        |           |          |               |      |                            |              |                             |          |               |          |                          | Active Field 7:35                 |
| 938           | NRJ        | 2                      | -  | "                    | "   |                   |                  |                   |        |           |          |               |      |                            |              |                             |          |               |          |                          | STA# 384, 391, 392, 397, OPEN     |
| 939           | NRJ        | 2                      | -  | "                    | "   |                   |                  |                   |        |           |          |               |      |                            |              |                             |          |               |          |                          | Due to DRIVE WAYS.                |
| 932           | Similarity | 1                      | -  | 16                   | sec | 236               |                  |                   |        |           |          |               |      |                            |              | 5                           |          | 30%           |          | 8:00                     |                                   |
| 160           | Windstrip  | 1                      | -  | 32                   | sec | 10                |                  |                   |        |           |          |               |      |                            |              |                             |          | 60%           |          |                          | Alias 62-5, Yms Sample RATE       |
| 161           | 322        |                        |    | 325-420              |     | 10                |                  |                   |        |           |          |               |      |                            |              | 5                           |          | 30%           |          | 8:45                     |                                   |
| 162           | 323        |                        |    | 326-421              |     | 11                |                  |                   |        |           |          |               |      |                            |              |                             |          | 30%           |          |                          |                                   |
| 163           | 324        |                        |    | 327-422              |     | 12                |                  |                   |        |           |          |               |      |                            |              |                             |          | 30%           |          |                          |                                   |
| 164           | 325        |                        |    | 328-423              |     | 13                |                  |                   |        |           |          |               |      |                            |              |                             |          | 30%           |          |                          |                                   |
| 165           | 326        |                        |    | 329-424              |     | 14                |                  |                   |        |           |          |               |      |                            |              |                             |          | 30%           |          |                          | LAST HALF                         |
| 166           | 327        |                        |    | 330-425              |     | 15                |                  |                   |        |           |          |               |      |                            |              |                             |          | 50%           |          |                          | NOTE: HI-DRIVE, 50%               |
| 167           | 328        |                        |    | 331-426              |     | 16                |                  |                   |        |           |          |               |      |                            |              |                             |          | 50%           |          |                          |                                   |
| 168           | 329        |                        |    | 332-427              |     | 17                |                  |                   |        |           |          |               |      |                            |              |                             |          | 50%           |          |                          |                                   |
| 169           | 330        |                        |    | 333-428              |     | 18                | 974              |                   |        |           |          |               |      |                            |              |                             |          | 50%           |          |                          | E.O.T #974, TAPE MKT              |
| 170           | 331        |                        |    | 334-429              |     | 19                | 975              | Windstrip         |        |           |          |               |      |                            |              |                             |          | 60%           |          |                          | B.O.T #975, 900 10sec ALL ONES    |
| 171           | 331        |                        |    | 334-429              |     | 19                |                  |                   |        |           |          |               |      |                            |              |                             |          | 50%           |          |                          |                                   |
| 172           | 332        |                        |    | 335-430              |     | 20                |                  |                   |        |           |          |               |      |                            |              |                             |          | 50%           |          |                          | BLAST ON sweep #11, File #172.    |
| 173           | 333        |                        |    | 336-431              |     | 21                |                  |                   |        |           |          |               |      |                            |              |                             |          | 50%           |          |                          |                                   |
| 174           | 334        |                        |    | 337-432              |     | 22                |                  |                   |        |           |          |               |      |                            |              |                             |          | 50%           |          |                          |                                   |
| 175           | 335        |                        |    | 338-433              |     | 23                |                  |                   |        |           |          |               |      |                            |              |                             |          | 50%           |          |                          |                                   |
| 176           | 336        |                        |    | 339-434              |     | 24                |                  |                   |        |           |          |               |      |                            |              |                             |          | 50%           |          |                          |                                   |
| 177           | 337        |                        |    | 340-435              |     | 25                |                  |                   |        |           |          |               |      |                            |              |                             |          | 50%           |          |                          |                                   |
| 178           | 338        |                        |    | 341-436              |     | 26                |                  |                   |        |           |          |               |      |                            |              |                             |          | 50%           |          |                          | Stacked 1st half                  |
| SKIP          | 339        |                        |    | 342-437              |     | 27                |                  |                   |        |           |          |               |      |                            |              |                             |          | SKIP          |          |                          | Due to house                      |
| SKIP          | 340        |                        |    | 343-438              |     | 28                |                  |                   |        |           |          |               |      |                            |              |                             |          | SKIP          |          |                          | " " "                             |
| 179           | 341        |                        |    | 344-439              |     | 29                |                  |                   |        |           |          |               |      |                            |              |                             |          | 50%           |          |                          | Stacked Last half.                |
| 180           | 342        |                        |    | 345-440              |     | 30                |                  |                   |        |           |          |               |      |                            |              |                             |          | 50%           |          |                          |                                   |
| 181           | 343        |                        |    | 346-441              |     | 31                |                  |                   |        |           |          |               |      |                            |              |                             |          | 50%           |          |                          |                                   |
| 182           | 344        |                        |    | 347-442              |     | 32                |                  |                   |        |           |          |               |      |                            |              |                             |          | 50%           |          |                          |                                   |
| SKIP          | 345        |                        |    | 348-443              |     | 33                |                  |                   |        |           |          |               |      |                            |              |                             |          | SKIP          |          |                          | From STA#345 to 352 Due to Houses |

# OBSERVER REPORT PETTY-RAY GEOPHYSICAL

| CREW NO. 6234 |          | LINE NO. 11            |     | LEAVE TOWN/CAMP |    | ARRIVE TOWN/CAMP  |                  | TOTAL TR. TIME    |        | DOWN TIME |          | WEATHER Clear |      | TRAIL CONDITIONS Dirt Road |              | DATE MONTH 3 DAY 10 YEAR 84 |          | CLIENT COCORP |          | OB. B. PATTON                              |         | PM L. DAVIS |  |  |
|---------------|----------|------------------------|-----|-----------------|----|-------------------|------------------|-------------------|--------|-----------|----------|---------------|------|----------------------------|--------------|-----------------------------|----------|---------------|----------|--|---------|-------------|--|--|
| FILE NO.      | STA. NO. | STA. NO'S (LIVE GRPS.) |     |                 |    | C. D. P. POSITION | DIGITAL REEL NO. | GAIN PAMPS or "K" | PARITY |           | SHOOTING |               |      |                            | SUR. SOURCES |                             |          | INST. SET UP  | TIME DAY | STA. OFFSET TO LINE                        | REMARKS |             |  |  |
|               |          | TR                     | TR  | TR              | TR |                   |                  |                   | TAPE   | MEMORY    | SIZE     | TOP           | BOT. | NO CAPS                    | U.H.T.       | N. UNITS                    | NO. SUMS |               |          |  |         |             |  |  |
| 183           | 353      | 356                    | 451 |                 | 41 | 975               | 48               |                   |        |           |          |               |      |                            | 5            | 16                          | 50%      | 387           | 990'     | GEORGIA, WORTH CO.                         |         |             |  |  |
| 184           | 354      | 357                    | 452 |                 | 42 |                   |                  |                   |        |           |          |               |      |                            |              |                             | 50%      |               |          |  |         |             |  |  |
| 185           | 355      | 358                    | 453 |                 | 43 |                   |                  |                   |        |           |          |               |      |                            |              |                             | 50%      |               |          |  |         |             |  |  |
| SKIP          | 356      | 359                    | 454 |                 | 44 |                   |                  |                   |        |           |          |               |      |                            |              |                             | SKIP     |               |          | From STA # 356 to 360 SKIP, DUE TO HOUSES. |         |             |  |  |
| 186           | 361      | 364                    | 459 |                 | 49 |                   |                  |                   |        |           |          |               |      |                            |              |                             | 50%      |               |          | DUE TO WATER WELL.                         |         |             |  |  |
| SKIP          | 362      | 365                    | 460 |                 | 50 |                   |                  |                   |        |           |          |               |      |                            |              |                             | SKIP     |               |          |  |         |             |  |  |
| 187           | 363      | 366                    | 461 |                 | 16 |                   |                  |                   |        |           |          |               |      |                            |              |                             | 50%      | LAST HALF     |          | Recorder moved up at 422 + 423             |         |             |  |  |
| 188           | 364      | 367                    | 462 |                 | 17 |                   |                  |                   |        |           |          |               |      |                            |              |                             | 50%      | 422           |          | E.O.T # 975 TAPE MARKS                     |         |             |  |  |
| 189           | 365      | 368                    | 463 |                 | 18 | 975               |                  |                   |        |           |          |               |      |                            |              |                             | 50%      |               |          |  |         |             |  |  |
| SKIP          | 366      | 369                    | 464 |                 | 19 | 976               |                  |                   |        |           |          |               |      |                            |              |                             | SKIP     |               |          | B.D.T # 976, 900 LOC ALL ONES              |         |             |  |  |
| SKIP          | 367      | 370                    | 465 |                 | 20 |                   |                  |                   |        |           |          |               |      |                            |              |                             | SKIP     |               |          | From STA # 366 to 372 SKIP DUE TO          |         |             |  |  |
| SKIP          | 368      | 371                    | 466 |                 | 21 |                   |                  |                   |        |           |          |               |      |                            |              |                             | SKIP     |               |          |  |         |             |  |  |
| SKIP          | 369      | 372                    | 467 |                 | 22 |                   |                  |                   |        |           |          |               |      |                            |              |                             | SKIP     |               |          | HOUSES, SOFT SHOULDER                      |         |             |  |  |
| SKIP          | 370      | 373                    | 468 |                 | 23 |                   |                  |                   |        |           |          |               |      |                            |              |                             | SKIP     |               |          | " " "                                      |         |             |  |  |
| SKIP          | 371      | 374                    | 469 |                 | 24 |                   |                  |                   |        |           |          |               |      |                            |              |                             | SKIP     |               |          | " " "                                      |         |             |  |  |
| SKIP          | 372      | 375                    | 470 |                 | 25 |                   |                  |                   |        |           |          |               |      |                            |              |                             | SKIP     |               |          | " " "                                      |         |             |  |  |
| 190           | 373      | 376                    | 471 |                 | 26 | 976               |                  |                   |        |           |          |               |      |                            |              |                             | 60%      |               |          | LEFT SIDE OF SHOULDER                      |         |             |  |  |
| 191           | 373      | 376                    | 471 |                 | 26 |                   |                  |                   |        |           |          |               |      |                            |              |                             | 30%      |               |          |  |         |             |  |  |
| 192           | 374      | 377                    | 472 |                 | 27 |                   |                  |                   |        |           |          |               |      |                            |              |                             | 30%      |               |          |  |         |             |  |  |
| SKIP          | 375      | 378                    | 473 |                 | 28 |                   |                  |                   |        |           |          |               |      |                            |              |                             | SKIP     |               |          | DUE TO HOUSES                              |         |             |  |  |
| SKIP          | 376      | 379                    | 474 |                 | 29 |                   |                  |                   |        |           |          |               |      |                            |              |                             | SKIP     |               |          | " " "                                      |         |             |  |  |
| 193           | 377      | 380                    | 475 |                 | 30 |                   |                  |                   |        |           |          |               |      |                            |              | 8                           | 30%      |               |          | 8 SWEEP ONLY, RIGHT SIDE OF                |         |             |  |  |
| 194           | 378      | 381                    | 476 |                 | 31 |                   |                  |                   |        |           |          |               |      |                            |              |                             | 30%      |               |          | Road                                       |         |             |  |  |
| 195           | 379      | 382                    | 477 |                 | 32 |                   |                  |                   |        |           |          |               |      |                            |              |                             | 30%      |               |          |  |         |             |  |  |
| 196           | 380      | 383                    | 478 |                 | 33 |                   |                  |                   |        |           |          |               |      |                            |              |                             | 30%      |               |          |  |         |             |  |  |
| SKIP          | 381      | 384                    | 479 |                 | 34 |                   |                  |                   |        |           |          |               |      |                            |              |                             | SKIP     |               |          | DUE TO WATER WELL.                         |         |             |  |  |
| 197           | 382      | 385                    | 480 |                 | 35 |                   |                  |                   |        |           |          |               |      |                            |              |                             | 30%      |               |          |  |         |             |  |  |
| 198           | 383      | 386                    | 481 |                 | 36 | 976               |                  |                   |        |           |          |               |      |                            |              | 5                           | 30%      |               |          | 5 SWEEP ONLY, E.O.T # 976                  |         |             |  |  |

TEMP E.O.T # 11









| GEO-252-D |            | OBSERVER REPORT PETTY-RAY GEOPHYSICAL |                  |                |           |                   |                  |                   |             |        |        |     |      |         |        |          | PAGE 1 OF 2 PAGES |       |              |          |  |  |  |  |  |
|-----------|------------|---------------------------------------|------------------|----------------|-----------|-------------------|------------------|-------------------|-------------|--------|--------|-----|------|---------|--------|----------|-------------------|-------|--------------|----------|--|--|--|--|--|
| CREW NO.  | LINE NO.   | LEAVE TOWN/CAMP                       | ARRIVE TOWN/CAMP | TOTAL TR. TIME | DOWN TIME | WEATHER           | TRAIL CONDITIONS | DATE MONTH        | DAY         | YEAR   | CLIENT | OB  | PM   | REMARKS |        |          |                   |       |              |          |  |  |  |  |  |
| FILE NO.  | STA. NO.   | STA. NO'S (LIVE GRPS.)                |                  |                |           | C. D. P. POSITION | DIGITAL REEL NO. | GAIN PAMPS of "K" | PARITY TAPE | MEMORY | SIZE   | TOP | BOT. | NO CAPS | U.H.T. | N. UNITS | NO. SUMS          | DRIVE | INST. SET UP | TIME DAY | STA. OFFSET TO LINE                                      |  |  |  |  |
| 933       | Pulse      | 1                                     | -                | 6              | sec       |                   | 998              | 48                |             |        |        |     |      |         |        | 5        | 16                | 578   | 990          | 7:30     | GEORGIA, WORTH CO.                                       | 5 Vib, 1st Vib. -44' Behind Flag, 50' spacing, 20.6' move up 16sec sweep, 16 sweep |  |  |  |
| 934       | EINT       | 2                                     | -                | 1              | "         |                   |                  |                   |             |        |        |     |      |         |        |          |                   |       |              |          | 32sec Record, 4ms sample RATE, 62.5 Alias. STA # 545     |  |  |  |  |
| 936       | D.R.D      | 4                                     | -                | 1              | "         |                   |                  |                   |             |        |        |     |      |         |        |          |                   |       |              |          | ARRIVE Field   |  |  |  |  |
| 937       | sum test   | 2                                     | -                | 1              | "         |                   |                  |                   |             |        |        |     |      |         |        |          |                   |       |              |          | 8:10 OPEN DUE TO A BRIDGE, STA # 605 OPEN DUE TO HI-WAY. |  |  |  |  |
| 960       | N.R.S      | 2                                     | -                | 1              | "         |                   |                  |                   |             |        |        |     |      |         |        |          |                   |       |              |          | LAST HALF.   |  |  |  |  |
| 932       | Similarity | 1                                     | -                | 16             | sec       | 236               |                  |                   |             |        |        |     |      |         |        | 5        |                   | 30%   | 8:10         |          | DUE TO HOUSE.  |  |  |  |  |
| 281       | WINDSTRIP  | 1                                     | -                | 32             | sec       | 2                 |                  |                   |             |        |        |     |      |         |        |          |                   | 60%   |              |          | DUE TO HOUSE.  |  |  |  |  |
| 282       | 505        | 508                                   | -                | 603            |           | 2                 |                  |                   |             |        |        |     |      |         |        | 5        | 16                | 30%   | 9:15         |          | DUE TO HOUSE.  |  |  |  |  |
| SKIP      | 506        | 509                                   | -                | 604            |           | 3                 |                  |                   |             |        |        |     |      |         |        |          |                   | SKIP  |              |          | DUE TO HOUSE.  |  |  |  |  |
| SKIP      | 507        | 510                                   | -                | 605            |           | 4                 |                  |                   |             |        |        |     |      |         |        |          |                   | SKIP  |              |          | DUE TO HOUSE.  |  |  |  |  |
| 283       | 508        | 511                                   | -                | 606            |           | 5                 |                  |                   |             |        |        |     |      |         |        |          |                   | 30%   |              |          | MEN WORKING AROUND, STA # 606+607.                       |  |  |  |  |
| 284       | 509        | 512                                   | -                | 607            |           | 6                 | 998              |                   |             |        |        |     |      |         |        |          |                   | 30%   |              |          | E.O.T # 998 TAPE MKTS.                                   |  |  |  |  |
| 285       | 510        | 513                                   | -                | 608            |           | 7                 | 999              | WINDSTRIP         |             |        |        |     |      |         |        |          |                   | 60%   |              |          | B.O.T # 999, 900/10sec ALL ONES.                         |  |  |  |  |
| 286       | 510        | 513                                   | -                | 608            |           | 7                 |                  |                   |             |        |        |     |      |         |        |          |                   | 30%   |              |          | NOTE: STA # 605, BUSY HI-WAY                             |  |  |  |  |
| SKIP      | 511        | 514                                   | -                | 609            |           | 8                 |                  |                   |             |        |        |     |      |         |        |          |                   | SKIP  |              |          | DUE TO HOUSE.  |  |  |  |  |
| SKIP      | 512        | 515                                   | -                | 610            |           | 9                 |                  |                   |             |        |        |     |      |         |        |          |                   | SKIP  |              |          | " " "  |  |  |  |  |
| 287       | 513        | 516                                   | -                | 611            |           | 10                |                  |                   |             |        |        |     |      |         |        |          |                   | 30%   |              |          |  |  |  |  |  |
| 288       | 514        | 517                                   | -                | 612            |           | 11                |                  |                   |             |        |        |     |      |         |        |          |                   | 30%   |              |          |  |  |  |  |  |
| SKIP      | 515        | 518                                   | -                | 613            |           | 12                |                  |                   |             |        |        |     |      |         |        |          |                   | SKIP  |              |          | DUE TO HOUSE.  |  |  |  |  |
| SKIP      | 516        | 519                                   | -                | 614            |           | 13                |                  |                   |             |        |        |     |      |         |        |          |                   | SKIP  |              |          | " " "  |  |  |  |  |
| 289       | 517        | 520                                   | -                | 615            |           | 14                |                  |                   |             |        |        |     |      |         |        |          |                   | 30%   |              |          |  |  |  |  |  |
| 290       | 518        | 521                                   | -                | 616            |           | 15                |                  |                   |             |        |        |     |      |         |        |          |                   | 30%   |              |          |  |  |  |  |  |
| 291       | 519        | 522                                   | -                | 617            |           | 16                |                  |                   |             |        |        |     |      |         |        |          |                   | 30%   |              |          |  |  |  |  |  |
| 292       | 520        | 523                                   | -                | 618            |           | 17                |                  |                   |             |        |        |     |      |         |        |          |                   | 30%   |              |          |  |  |  |  |  |
| 293       | 521        | 524                                   | -                | 619            |           | 18                |                  |                   |             |        |        |     |      |         |        |          |                   | 30%   |              |          |  |  |  |  |  |
| 294       | 522        | 525                                   | -                | 620            |           | 19                |                  |                   |             |        |        |     |      |         |        |          |                   | 30%   |              |          |  |  |  |  |  |
| 295       | 523        | 526                                   | -                | 621            |           | 20                | 999              |                   |             |        |        |     |      |         |        |          |                   | 30%   |              |          | E.O.T # 999 TAPE MKTS.                                   |  |  |  |  |
| 296       | 524        | 527                                   | -                | 622            |           | 21                | 001              | WINDSTRIP         |             |        |        |     |      |         |        |          |                   | 60%   |              |          | B.O.T # 001 * 900 10sec ALL ONES.                        |  |  |  |  |
| 297       | 524        | 527                                   | -                | 622            |           | 21                |                  |                   |             |        |        |     |      |         |        |          |                   | 30%   |              |          |  |  |  |  |  |
| 298       | 525        | 528                                   | -                | 623            |           | 22                |                  |                   |             |        |        |     |      |         |        |          |                   | 30%   |              |          |  |  |  |  |  |
| 299       | 526        | 529                                   | -                | 624            |           | 23                |                  |                   |             |        |        |     |      |         |        |          |                   | 30%   |              |          |  |  |  |  |  |
| 300       | 527        | 530                                   | -                | 625            |           | 24                |                  |                   |             |        |        |     |      |         |        |          |                   | 30%   |              |          |  |  |  |  |  |

# OBSERVER REPORT PETTY-RAY GEOPHYSICAL

GEO-252-D

| CREW NO. 6834 |          | LINE # 11              |    | LEAVE TOWN/CAMP |    | ARRIVE TOWN/CAMP  |                  | TOTAL TR. TIME    |        | DOWN TIME |          | WEATHER Clear |      | TRAIL CONDITIONS Dirt Road |          | DATE MONTH 3 DAY 22 YEAR 84 |          | CLIENT COCORP |              | OB R. PATTON |                     | PM L. DAVIS |                              |
|---------------|----------|------------------------|----|-----------------|----|-------------------|------------------|-------------------|--------|-----------|----------|---------------|------|----------------------------|----------|-----------------------------|----------|---------------|--------------|--------------|---------------------|-------------|------------------------------|
| FILE NO.      | STA. NO. | STA. NO'S (LIVE GRPS.) |    |                 |    | C. D. P. POSITION | DIGITAL REEL NO. | GAIN PAMPS or "K" | PARITY |           | SHOOTING |               |      |                            |          | SUR. SOURCES                |          |               | INST. SET UP | TIME DAY     | STA. OFFSET TO LINE | REMARKS     |                              |
|               |          | TR                     | TR | TR              | TR |                   |                  |                   | TAPE   | MEMORY    | SIZE     | TOP           | BOT. | NO CAPS                    | U. H. T. | N. UNITS                    | NO. SUMS | DRIVE         |              |              |                     |             |                              |
| 301           | 528      | 531                    | -  | 626             | 25 | 001               | 48               |                   |        |           |          |               |      |                            | 5        | 16                          | 30       | 578           | 990          |              |                     |             |                              |
| 302           | 529      | 532                    | -  | 627             | 26 |                   |                  |                   |        |           |          |               |      |                            |          |                             | 30%      |               |              |              |                     |             |                              |
| 303           | 530      | 533                    | -  | 628             | 27 |                   |                  |                   |        |           |          |               |      |                            |          |                             | 30%      |               |              |              |                     |             |                              |
| 304           | 531      | 534                    | -  | 629             | 28 |                   |                  |                   |        |           |          |               |      |                            |          |                             | 30%      |               |              |              |                     |             |                              |
| 305           | 532      | 535                    | -  | 630             | 29 |                   |                  |                   |        |           |          |               |      |                            |          |                             | 30%      |               |              |              |                     |             |                              |
| 306           | 533      | 536                    | -  | 631             | 30 | 001               |                  |                   |        |           |          |               |      |                            |          |                             | 30%      |               |              |              |                     |             | E.O. + #001, TAPE MKTS       |
| 307           | 534      | 537                    | -  | 632             | 31 | 002               |                  |                   |        |           |          |               |      |                            |          |                             | 60%      |               |              |              |                     |             | B.O. + #002, 90010 sec ALLOW |
| 308           | 534      | 537                    | -  | 632             | 31 |                   |                  |                   |        |           |          |               |      |                            |          |                             | 30%      |               |              |              |                     |             |                              |
| 309           | 535      | 538                    | -  | 633             | 32 |                   |                  |                   |        |           |          |               |      |                            |          |                             | 30%      |               |              |              |                     |             |                              |
| 310           | 536      | 539                    | -  | 634             | 33 |                   |                  |                   |        |           |          |               |      |                            |          |                             | 30%      |               |              |              |                     |             |                              |
| 311           | 537      | 540                    | -  | 635             | 34 |                   |                  |                   |        |           |          |               |      |                            |          |                             | 30%      |               |              |              |                     |             |                              |
| 312           | 538      | 541                    | -  | 636             | 35 |                   |                  |                   |        |           |          |               |      |                            |          |                             | 30%      |               |              |              |                     |             |                              |
| 313           | 539      | 542                    | -  | 637             | 36 |                   |                  |                   |        |           |          |               |      |                            |          |                             | 30%      |               |              |              |                     |             | STA #637 OPEN Due to Bridge  |
| 314           | 540      | 543                    | -  | 638             | 37 |                   |                  |                   |        |           |          |               |      |                            |          |                             | 30%      |               |              |              |                     |             |                              |
| 315           | 541      | 544                    | -  | 639             | 38 |                   |                  |                   |        |           |          |               |      |                            |          |                             | 30%      |               |              |              |                     |             |                              |
| 316           | 542      | 545                    | -  | 640             | 39 |                   |                  |                   |        |           |          |               |      |                            |          |                             | 30%      |               |              |              |                     |             |                              |
| 317           | 543      | 546                    | -  | 641             | 40 | 002               |                  |                   |        |           |          |               |      |                            |          |                             | 30%      |               | 4:30         |              |                     |             | E.O. + #002, TAPE MKTS       |

# OBSERVER REPORT PETTY-RAY GEOPHYSICAL

GEO-252-D

CREW NO. 6838 LINE # 11 LEAVE TOWN/CAMP 7:00 ARRIVE TOWN/CAMP TOTAL TR. TIME DOWN TIME WEATHER Cloudy TRAIL CONDITIONS Dirt Road DATE MONTH 3 DAY 23 YEAR 89 CLIENT COCORP OB R. PATTON PM L. DAVIS

| FILE NO. | STA. NO.   | STA. NO'S (LIVE GRPS.) |    |     |     | C. D. P. POSITION | DIGITAL REEL NO. | GAIN PAMPS or "K" | PARITY     |        | SHOOTING |     |      |         | SUR. SOURCES |          |          | INST. SET UP | TIME DAY                           | STA. OFFSET TO LINE | REMARKS |
|----------|------------|------------------------|----|-----|-----|-------------------|------------------|-------------------|------------|--------|----------|-----|------|---------|--------------|----------|----------|--------------|------------------------------------|---------------------|---------|
|          |            | TR                     | TR | TR  | TR  |                   |                  |                   | TAPE       | MEMORY | SIZE     | TOP | BOT. | NO CAPS | U. H.T.      | N. UNITS | NO. SUMS |              |                                    |                     |         |
| 933      | Pulse      | 1                      | -  | 6   | sec |                   | 003              | 48                |            |        |          |     |      |         | 5            | 16       | 593      | 990          | GEORGIA, Worth Co.                 |                     |         |
| 934      | EINT       | 2                      | -  | "   | "   |                   |                  |                   |            |        |          |     |      |         |              |          |          |              | B.O. #003, 900 10sec ALL ONES      |                     |         |
| 935      | D.R.P      | 4                      | -  | "   | "   |                   |                  |                   |            |        |          |     |      |         |              |          |          |              | 5 Vibs, 1st Vib -44' Behind FLAG   |                     |         |
| 753      | SUM test   | 2                      | -  | "   | "   |                   |                  |                   |            |        |          |     |      |         |              |          |          |              | 50' spacing, 20.6 move UP          |                     |         |
| 934      | N.R.J      | 2                      | -  | "   | "   |                   |                  |                   |            |        |          |     |      |         |              |          |          |              | ARRIVE Field 7:30                  |                     |         |
| 932      | similarity | 1                      | -  | 16  | sec | 236               |                  |                   |            |        |          |     |      | 5       |              | 30%      | 8:25     |              | 16sec SWEEP, 16 sweep, 32 sec      |                     |         |
| 318      | windstrip  | 1                      | -  | 32  | sec | 26                |                  |                   |            |        |          |     |      |         |              | 60%      |          |              | Record. STA # 605 637 OPEN         |                     |         |
| 319      | 544        | 547                    | -  | 642 |     | 26                |                  |                   |            |        |          |     |      | 5       |              | 30%      | 9:30     |              | 4ms SAMPLE RATE, 62.5 ALIAS        |                     |         |
| SKIP     | 545        | 548                    | -  | 643 |     | 27                |                  |                   |            |        |          |     |      |         |              | SKIP     |          |              |                                    |                     |         |
| 320      | 546        | 549                    | -  | 644 |     | 28                |                  |                   |            |        |          |     |      |         |              | 30%      |          |              |                                    |                     |         |
| 321      | 547        | 550                    | -  | 645 |     | 29                |                  |                   |            |        |          |     |      |         |              | 30%      |          |              |                                    |                     |         |
| 322      | 548        | 551                    | -  | 646 |     | 30                |                  |                   |            |        |          |     |      |         |              | 30%      |          |              |                                    |                     |         |
| 323      | 549        | 552                    | -  | 647 |     | 31                |                  |                   |            |        |          |     |      |         |              | 30%      |          |              |                                    |                     |         |
| 324      | 550        | 553                    | -  | 648 |     | 32                |                  |                   |            |        |          |     |      |         |              | 30%      |          |              |                                    |                     |         |
| 325      | 551        | 554                    | -  | 649 |     | 33                | 003              |                   |            |        |          |     |      |         |              | 30%      |          |              | EOT # 003 Tape MKTS.               |                     |         |
| 326      | 552        | 555                    | -  | 650 |     | 34                | 004              |                   | wind strip |        |          |     |      |         |              | 60%      |          |              | BOT # 004 #900 10sec ALL ONES.     |                     |         |
| 327      | 552        | 555                    | -  | 650 |     | 34                |                  |                   | 1          |        |          |     |      |         |              | 30%      |          |              |                                    |                     |         |
| SKIP     | 553        | 556                    | -  | 651 |     | 35                |                  |                   |            |        |          |     |      |         |              | SKIP     |          |              | From STA # 553 to 558 Due to Holes |                     |         |
|          |            |                        |    |     |     |                   |                  |                   |            |        |          |     |      |         |              |          |          |              | Well, Bridge.                      |                     |         |
|          |            |                        |    |     |     |                   |                  |                   |            |        |          |     |      |         |              |          |          |              | E.O.T # 004, TAPE MKTS             |                     |         |
|          |            |                        |    |     |     |                   |                  |                   |            |        |          |     |      |         |              |          |          |              | E.O.T # 11.                        |                     |         |
|          |            |                        |    |     |     |                   |                  |                   |            |        |          |     |      |         |              |          |          |              | Picking UP line #11 and            |                     |         |
|          |            |                        |    |     |     |                   |                  |                   |            |        |          |     |      |         |              |          |          |              | LAYING OUT ON LINE #13.            |                     |         |