

RELIABLE EXPLORATION Inc.

| | | | | | | | | | | | | | | | | | | |
|---|-----------------|--|-----------------------------|-----------------------------|-------------------------|---------------------------|-------------------------|---|----------------------------|-----------------------------|--|-----------------------------------|--|---------------------------------|--|----------------------------------|---|--|
| PROJECT/PROSPECT <i>Williston II</i> | | NUMBER | LINE <i>N.D-3</i> | RECORDING | OBSERVER'S | REPORT | | | | | | | | | | | | |
| DATE & TRAVEL TIME | | IDENTIFICATION | | ENVIRONMENT | INSTRUMENTS | | GEOPHONES | | | S. P. PATTERN | | SPREAD | PAGE 3 OF 4 | | | | | |
| MONTH <i>11</i> | DAY <i>1</i> | YEAR <i>92</i> | CLIENT <i>COCORD</i> | TEMP. | TERRAIN <i>ROADS</i> | TYPE INST. <i>DFSV</i> | SAMPLE RATE <i>4</i> | TYPE <i>L-21A</i> | NO./STRING <i>9</i> | NO. OF STRINGS <i>1</i> | PATTERN WIDTH <i>IN LINE</i> | NO. OF HOLES PER SHOT | MULTIPLE CHARGE | DISTANCE BETWEEN GROUP STATIONS | SUBSURFACE STACK | ENERGY SOURCE <i>DYNAMITE</i> | | |
| LEAVE TOWN | ARRIVE FIELD | PARTY | REC. TRUCK <i>R803-3</i> | OBSERVER <i>T. Brown</i> | WIND | TYPE SURFACE | NO. TRACKS <i>9</i> | RECORD LGTH. <i>60 SEC.</i> | FREQUENCY <i>10 HZ</i> | SEPARATION <i>15 FT.</i> | DAMPING RESISTOR <i>3602</i> | PATTERN LGTH. | DIST. BETWEEN HOLES | DELAY TOP TO BOTTOM | DISTANCE BETWEEN SHOT POINTS <i>165 FT.</i> | UPHOLE OFFSET <i>5'</i> | GAIN TYPE <input checked="" type="checkbox"/> AGC <input type="checkbox"/> PGC <input type="checkbox"/> GAGC | FIXED <input type="checkbox"/> BINARY |
| LEAVE FIELD | ARRIVE TOWN | PARTY LOCATION <i>PIERCE CO. N.D.</i> | | CO. STATE | PRECIP. | VEGETATION | BPI <i>1600</i> | FORMAT <i>SEG B</i> | TYPE BASE <i>sp. KE</i> | CONNECTION SERIES PARALLEL | CONNECTION SERIES PARALLEL | LOCATION ACROSS STA. BETWEEN STA. | ARRANGEMENT INLINE <input type="checkbox"/> PATTERN <input type="checkbox"/> NORMAL TO LINE <input type="checkbox"/> | OFFSET DIRECTION GAP | FT. | ALIAS FILTER TYPE / FREQ | FIRST BREAK POLARITY <input type="checkbox"/> DOWN <input checked="" type="checkbox"/> UP | |
| SHOW TRACE NO'S, S. P. LOCATION, GAPS + DISTANCES, DIRECTION: | | | | FILTER SETTING | | LOW CUT HZ <i>out</i> | H. CUT HZ <i>64</i> | SLOPE CAB/OCTAVE LC <i>13</i> HC <i>72</i> | | NOTCH IN <i>IN</i> | GAIN INITIAL <i>36</i> FINAL <i>IFP</i> | | IB TRACE | UH TRACE | FILE TRACE | UH CHECK | | |

| DAILY PROFILE NO. | TIME RECORDED | SHOT POINT | | | | DIGITAL TAPE | | TRACE POSITION | | | | | L U.H. R A D I O E T I M E | OFFSET FEET DEGREES | REMARKS DETAIL ANY CHANGE FROM NORMAL CONDITIONS NOTED ABOVE | | |
|-------------------|---------------|-------------------|----------|--------------------|-------------------|--------------|----------------|----------------|----------------------|---------------|------|------|---|---------------------------|---|----|--|
| | | SHOT POINT NUMBER | SHOT FOR | DIRECTION TO NO. 1 | SHOT (A,B,C) | TOTAL CHARGE | DEPTH TOP BOT. | REEL NUMBER | SEQUENCE/FILE NUMBER | PARITY ERRORS | 1 | 60 | | | | 61 | 120 |
| | | | | | | | | | | | | | | | | | |
| 1 | 9:30 | 1210 | A | | 5 SEC NOISE STRIP | 100 155 180 | 310 085 | | 1541 | 1600 | 1601 | 1660 | 7 | 1606/1607 | - | - | SPREAD 13 VOID FILE'S 083-084 |
| | | | | | | | 086 | | " | " | " | " | " | " | 50 50 | | SP 1210 2x50 155/180 got A ITB |
| 2 | 9:51 | 1270 | A | | 5 SEC NOISE STRIP | 100 155 180 | 087 | | " | " | " | " | " | " | - | - | STA. 1624 STA. IS REVERSED |
| | | | | | | | 088 | | " | " | " | " | " | " | 54 52 | | SP 1270 2x50 155/180 |
| 3 | 10:00 | 1300 | A | | 5 SEC NOISE STRIP | 50 155 180 | 089 | | " | " | " | " | " | " | - | - | Light snow |
| | | | | | | | 090 | | " | " | " | " | " | " | 69 62 | | SP 1300 1x50 155/180 |
| | | | | | | | 310 091 | | " | " | " | " | " | " | - | - | |
| | | | | | | | 311 094 | | " | " | " | " | " | " | - | - | |
| 4 | 2:05 | 1301 | A | | 5 SEC NOISE STRIP | 100 155 180 | 095 | | " | " | " | " | " | " | 60 60 | | SP 1301 2x50 155/180 VOID FILE # 092-093 |
| | | | | | | | 109 | | " | " | " | " | " | " | - | - | VOID FILE # 096-109 |
| 5 | 3:10 | 1350 | A | | 5 SEC NOISE STRIP | 100 155 180 | 110 | | " | " | " | " | " | " | 48 55 | | SP 1350 2x50 155/180 |
| | | | | | | | 311 111 | | " | " | " | " | " | " | - | - | END of REEL # 311 |
| | | | | | | | 312 | | " | " | " | " | " | " | - | - | |
| | | | | | | | 112 | | " | " | " | " | " | " | - | - | |
| 6 | 3:20 | 1398A | A | | 5 SEC NOISE STRIP | 50 155 180 | 113 | | " | " | " | " | " | " | 44 40 | | SP 1398A 1x50 155/180 |
| | | | | | | | 312 114 | | " | " | " | " | " | " | - | - | END of REEL # 312 |
| | | | | | | | 313 115 | | " | " | " | " | " | " | - | - | |
| 7 | 3:29 | 1438 | A | | 5 SEC NOISE STRIP | 50 168 180 | 116 | | " | " | " | " | " | " | 48 50 | | SP 1438 2x25 168/180 |
| | | | | | | | 117 | | " | " | " | " | " | " | - | - | |
| 8 | 3:41 | 1493 | A | | 5 SEC NOISE STRIP | 100 155 180 | 118 | | " | " | " | " | " | " | 42 42 | | SP 1493 2x50 155/180 TANK STA. 1590-1600 |
| | | | | | | | 313 119 | | " | " | " | " | " | " | - | - | END of REEL # 313 |
| | | | | | | | | | 1541 | 1600 | 1601 | 1660 | 7 | 1606/1607 | | | |

RELIABLE EXPLORATION Inc.

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|---|-----------------------------|--------------------------------------|---------------------------|----------------------------|----------------|--------------|----------------------------|--------------------------------|--|--|---|--|---|--|--|--------------------------|---|
| PROJECT/PROSPECT <i>Williston II</i> | | NUMBER | LINE <i>NB-3</i> | RECORDING | OBSERVER'S | REPORT | | | | | | | | | | | |
| DATE & TRAVEL TIME | | IDENTIFICATION | | ENVIRONMENT | INSTRUMENTS | | GEOPHONES | | | S. P. PATTERN | | SPREAD | PAGE OF | | | | |
| MONTH <i>11</i> | DAY <i>1</i> | YEAR <i>92</i> | CLIENT <i>Co Locp</i> | | TEMP. | TERRAIN | TYPE INST. <i>DF3II</i> | SAMPLE RATE <i>4</i> | TYPE <i>L-21-A</i> | NO. /STRING <i>9</i> | NO. OF STRINGS <i>2</i> | PATTERN WIDTH FT. | NO. OF HOLES PER SHOT | MULTIPLE CHARGE <input type="checkbox"/> | DISTANCE BETWEEN GROUP STATIONS <i>165'</i> | SUBSURFACE STACK | ENERGY SOURCE <i>Dyn</i> |
| LEAVE TOWN <i>7:00</i> | ARRIVE FIELD <i>7:10</i> | PARTY <i>3rd</i> | REC. TRUCK <i>7906</i> | OBSERVER <i>D. Wick</i> | WIND | TYPE SURFACE | NO. TRACKS <i>9</i> | RECORD LGTH. <i>60</i> SEC. | FREQUENCY <i>10</i> HZ | SEPARATION <i>15</i> FT. | DAMPING RESISTOR <i>360</i> | PATTERN LGTH. FT. | DIST. BETWEEN HOLES | DELAY TOP TO BOTTOM | DISTANCE BETWEEN SHOT POINTS FT. | UPHOLE OFFSET | GAIN TYPE <input checked="" type="checkbox"/> KGC <input type="checkbox"/> PGC <input type="checkbox"/> GAGC |
| LEAVE FIELD | ARRIVE TOWN | PARTY LOCATION <i>Pierce N.D.</i> | | CO. STATE | PRECIP. | VEGETATION | BPI <i>1600</i> | FORMAT <i>5eqB</i> | TYPE BASE <i>Spice</i> | CONNECTION SERIES PARALLEL <input checked="" type="checkbox"/> | CONNECTION SERIES PARALLEL <input type="checkbox"/> | LOCATION ACROSS STA. BETWEEN STA. <input type="checkbox"/> | ARRANGEMENT INLINE <input checked="" type="checkbox"/> PATTERN <input type="checkbox"/> | NORMAL TO LINE <input type="checkbox"/> | OFFSET DIRECTION GAP FT. | ALIAS FILTER TYPE / FREQ | FIRST BREAK POLARITY <input type="checkbox"/> DOWN <input checked="" type="checkbox"/> UP |
| SHOW TRACE NO'S., S. P. LOCATION, GAPS & DISTANCES, DIRECTION | | | | | FILTER SETTING | | LOW CUT Hz <i>-</i> | H. CUT Hz <i>64</i> | SLOPE CAB/OCTAVE LC <i>-</i> HC <i>72</i> | | NOTCH IN <i>2N</i> | GAIN INITIAL <i>36</i> FINAL <i>84</i> | | IB TRACE FILE TRACE <i>4</i> | UH TRACE <i>2</i> UH CHECK <i>3</i> | | |

SPREAD 12 - Master

| DAILY PROFILE NO. | TIME RECORDED | SHOT POINT | | | | DIGITAL TAPE | | | TRACE POSITION | | | | | OFFSET FEET DEGREES | REMARKS | | | |
|-------------------|---------------|-------------------|-------------------------------------|--------------|----------------|--------------|----------------------|---------------|----------------|------|------|------------|------------|------------------------|-----------|-----------------|--|---|
| | | SHOT POINT NUMBER | SHOT FOR DIRECTION TO NO. 1 (A,B,C) | TOTAL CHARGE | DEPTH TOP BOT. | REEL NUMBER | SEQUENCE/FILE NUMBER | PARITY ERRORS | 1 | | | CDP Switch | Truck Pos. | | | Radio U.H. TIME | Direct | |
| | | Noise Test | | | | 210 | 85 | | TR1 | TR60 | TR61 | TR120 | 37 | 1480/1481 | | | | |
| 1 | 9:30 | 1210 | A1B | 2450 | 155 180 | 86 | | | 1421 | 1480 | 1481 | 1540 | 37 | | 50 50 | | 5 sec. Noise Test - Void FN 901-904 sta. 1527 dead | |
| | | Noise Test | | | | | 87 | | | 1421 | 1480 | 1481 | 1540 | 37 | | | | |
| 2 | 9:51 | 1270 | A1B | 2450 | 155 180 | 88 | | | 1421 | 1480 | 1481 | 1540 | 37 | | 52 54 | | 5 sec. Noise Test sta. 1527 Good | |
| | | Noise Test | | | | | 89 | | | 1421 | 1480 | 1481 | 1540 | 37 | | | | |
| 3 | 10:01 | 1300 | A | 50 | 155 180 | 90 | | | 1421 | 1480 | 1481 | 1540 | 37 | | 69 62 | | 5 sec. Noise Test - sta. 1483 Powerline sta. 1419 - Powerline | |
| | | Noise Test | | | | 210 | 91 | | | 1421 | 1480 | 1481 | 1540 | 37 | | | | 5 sec Noise Test - END reel 210 Last FN 91 |
| | | Noise Test | | | | | | | | | | | | | | | | |
| | | Noise Test | | | | 211 | 94 | | | 1421 | 1480 | 1481 | 1540 | 37 | | | | 5 sec. Noise Test (wid FN 92-93) Begin reel 211 - FN 900 All ones |
| 4 | 2:05 | 1301 | A1B | 2450 | 155 180 | 95 | | | 1421 | 1480 | 1481 | 1540 | 37 | | 60 60 | | Void FN 96/97 → 108 Rec. Movc 1518/1519 | |
| | | Noise Test | | | | | 109 | | | 1421 | 1480 | 1481 | 1540 | 379 | 1518/1519 | | | 5 sec. Noise Test |
| 5 | 3:10 | 1350 | A1B | 2450 | 155 180 | 110 | | | 1421 | 1480 | 1481 | 1540 | 239 | | 55 48 | | | |
| | | Noise Test | | | | | 111/112 | | | 1421 | 1480 | 1481 | 1540 | 239 | | | | 5 sec. Noise Test END reel 211 = FN 111/112 Noise Test |
| 6 | 3:20 | 1398 | | 50 | 155 180 | 212 | 113 | | 1421 | 1480 | 1481 | 1540 | 239 | | 46 44 | | Begin reel 212 | |
| | | Noise Test | | | | 212 | 114 | | | 1421 | 1480 | 1481 | 1540 | 239 | | | | 5 sec. Noise Test End reel 212 |
| | | Noise Test | | | | | | | | | | | | | | | | |
| | | Noise Test | | | | 213 | 115 | | | 1421 | 1480 | 1481 | 1540 | 239 | | | | Begin reel 213 FN 900 All ones - 5 sec Noise Test |
| 7 | 3:34 | 1438 | | 2425 | 155 180 | 116 | | | 1421 | 1480 | 1481 | 1540 | 239 | | 50 48 | | 1438 B. Blowout | |
| | | Noise Test | | | | | 117 | | | 1421 | 1480 | 1481 | 1540 | 239 | | | | |
| 8 | 3:41 | 1493 | | 2450 | 155 180 | 118 | | | 1421 | 1480 | 1481 | 1540 | 239 | | 42 42 | | | |
| | | Noise Test | | | | 213 | 119 | | | 1421 | 1480 | 1481 | 1540 | 239 | | | | End reel 213 Last FN 119 |

(Used 4 tapes)

RELIABLE EXPLORATION Inc.

RECORDER 1

| | | | | | | |
|--|-----------------|------------------------------------|----------------------------|--|---|--|
| PROJECT/PROSPECT WILLSTON 11 | | NUMBER | LINE NO. 3 | RECORDING | OBSERVER'S | REPORT |
| DATE & TRAVEL TIME | | ENVIRONMENT | INSTRUMENTS | | GEOPHONES | |
| MONTH 11 | DAY 1 | YEAR 92 | CLIENT Conoco | TEMP. 40° | TERRAIN FLAT | TYPE INST. DFSV |
| LEAVE TOWN | ARRIVE FIELD | PARTY 3 | REQ. TRUCK R 804 | OBSERVER Royal | WIND S-10 | TYPE SURFACE SAND |
| LEAVE FIELD | ARRIVE TOWN | PARTY LOCATION Pierce ND | | CO. STATE ND | PRECIP. RAIN SNOW | VEGETATION GRASS |
| SHOW TRACE NO'S, S.P. LOCATION, SAPS + DISTANCES, DIRECTION: | | | | NO TRACKS 9 | RECORD LGTH. 60 SEC | FREQUENCY 10 HZ |
| FILTER SETTING | | | | LOW CUT HZ OUT | H. CUT HZ 64 | SLOPE CAB/OCTAVE LC OUT HC 7Z |
| | | | | NO. OF STRINGS 1 | PATTERN WIDTH Ø FT. | NO. OF HOLES PER SHOT |
| | | | | NO. OF STRINGS 1 | PATTERN LGTH. 120 FT. | MULTIPLE CHARGE <input type="checkbox"/> |
| | | | | SEPARATION 12 FT. | DAMPING RESISTOR 360 Ω | DIST. BETWEEN HOLES |
| | | | | CONNECTION SERIES PARALLEL <input checked="" type="checkbox"/> | CONNECTION SERIES PARALLEL <input type="checkbox"/> | ARRANGEMENT INLINE <input type="checkbox"/> PATTERN <input type="checkbox"/> |
| | | | | LOCATION BETWEEN STA. <input checked="" type="checkbox"/> | ACROSS STA. <input type="checkbox"/> | NORMAL TO LINE <input type="checkbox"/> |
| | | | | INITIAL | FINAL IFP | IB TRACE |
| | | | | | | UH TRACE |
| | | | | | | FILE TRACE |
| | | | | | | UH CHECK |

| DAILY PROFILE NO. | TIME RECORDED | SHOT POINT | | | | DIGITAL TAPE | | | TRACE POSITION | | | | | U.H. TIME | OFFSET | | REMARKS |
|-------------------|---------------|-------------------|-----------------------------|--------------|--------------|----------------|-------------|----------------------|----------------|------|-------|-------|-------|-----------|------------|------------|-----------------------------------|
| | | SHOT POINT NUMBER | SHOT FOR DIRECTION TO NO. 1 | SHOT (A,B,C) | TOTAL CHARGE | DEPTH TOP BOT. | REEL NUMBER | SEQUENCE FILE NUMBER | PARITY ERRORS | 1 | 24 48 | 25 49 | 48 96 | | CDP Switch | Truck Pos. | |
| 1 | | WIND STRIP | | | | 110 | 85 | | 1301 | | | 1420 | 33 | 1364/1365 | | | REEL 110 ON |
| 2 | 9:30 | 1210 | A-B | 100 | 155 | 180 | | 86 | 1301 | | | 1420 | 33 | | 50 50 | | Daily tests 901-906 Void 83-84 |
| 3 | | WIND STRIP | | | | | 87 | | 1301 | | | 1420 | 33 | | | | Two Holes w/50# @ 180' |
| 4 | 10:00 | 1270 | A-B | 100 | 155 | 180 | | 88 | 1301 | | | 1420 | 33 | | 52 54 | | STA 1416 OPEN |
| 5 | | WIND STRIP | | | | | 89 | | 1301 | | | 1420 | 33 | | | | Two Holes w/50# @ 180' |
| 6 | 10:01 | 1300 | A | 50 | 155 | 180 | | 90 | 1301 | | | 1420 | 33 | | 62 62 | | ONE Hole w/50# @ 180' |
| 7 | | WIND STRIP | | | | 110 | 91 | | 1301 | | | 1420 | 33 | 1364/1365 | | | REEL 110 OFF |
| REEL 111 ON | | | | | | | | | | | | | | | | | |
| 8 | | WIND STRIP | | | | 111 | 94 | | 1301 | | | 1420 | 33 | 1364/1365 | | | VOID FILES 92-93 |
| 9 | 2:05 | 1301 | A-B | 100 | 155 | 180 | | 95 | 1301 | | | 1420 | 33 | | 60 60 | | Two Holes w/50# @ 180' |
| 10 | | WIND STRIP | | | | | 109 | | 1301 | | | 1420 | 33 | | | | VOID FILES 96-108 |
| 11 | 3:10 | 1350 | A-B | 100 | 155 | 180 | | 110 | 1301 | | | 1420 | 33 | | 55 48 | | Two Holes w/50# @ 180' |
| 12 | | WIND STRIP | | | | 111 | 111/112 | | 1301 | | | 1420 | 33 | | | | REEL 111 OFF |
| 13 | 3:20 | 1398 | A | 50 | 155 | 180 | | 113 | 113 | 1301 | | 1420 | 32 | | 48 44 | | ONE HOLE w/50# @ 180' REEL 112 ON |
| 14 | | WIND STRIP | | | | 112 | 114 | | 1301 | | | 1420 | 33 | 1364/1365 | | | FILE 112 NOISE STRIP REEL 112 |
| REEL 112 OFF | | | | | | | | | | | | | | | | | |
| REEL 113 ON | | | | | | | | | | | | | | | | | |
| 15 | | WIND STRIP | | | | 113 | 115 | | 1301 | | | 1420 | 33 | 1364/1365 | | | |
| 16 | 3:29 | 1438 | A-B | 50 | 155 | 180 | | 116 | 1301 | | | 1420 | 33 | | 50 48 | | Two Holes w/25# @ 180' |
| 17 | | WIND STRIP | | | | | 117 | | 1301 | | | 1420 | 33 | | | | |
| 18 | 3:41 | 1443 | A-B | 100 | 155 | 180 | | 118 | 1301 | | | 1420 | 33 | | 42 42 | | Two Holes w/50# @ 180' |
| 19 | | WIND STRIP | | | | 113 | 119 | | 1301 | | | 1420 | 33 | 1364/1365 | | | REEL 113 OFF |

RELIABLE EXPLORATION Inc.

RECORDER # 4

| | | | | | | |
|--|----------------------------|-----------------------------------|---|---------------------------|---------------------|----------------------------------|
| PROJECT/PROSPECT WILLISTON 11 | | NUMBER | LINE NO. - 3 | RECORDING | OBSERVER'S | REPORT |
| DATE & TRAVEL TIME | | IDENTIFICATION | | ENVIRONMENT | INSTRUMENTS | |
| MONTH 11 | DAY 1 | YEAR 92 | CLIENT COCORP | TEMP. 28° | TERRAIN HELLS | TYPE INST. DFSE |
| LEAVE TOWN | | ARRIVE FIELD | PARTY 3 | REC. TRUCK 3137 | OBSERVER ROGERS | WIND 5-10 |
| LEAVE FIELD | | ARRIVE TOWN | PARTY LOCATION RUBBY MC HENRY ND | | CO. STATE | PRECIP. NONE |
| SNOW TRACE NO'S, S.P. LOCATION, GAPS + DISTANCES, DIRECTION: | | FILTER SETTING | | LOW CUT HZ OUT | H. CUT HZ 64 | SLOPE CAB/OCTAVE LC 24T HC 72 |
| G.EOPHONES | | S. P. PATTERN | | SPREAD | | PAGE 5 OF 5 |
| TYPE L-21-A | NO./STRING 9 | NO. OF STRINGS 1 | PATTERN WIDTH 8 FT | NO. OF HOLES PER SHOT | MULTIPLE CHARGE | DISTANCE BETWEEN GROUP STATIONS |
| RECORD LGTH. 60 SEC | FREQUENCY 10 HZ | SEPARATION FT. | DAMPING RESISTOR | PATTERN LGTH. 120' FT. | DIST. BETWEEN HOLES | DELAY TOP TO BOTTOM |
| CONNECTION SERIES PARALLEL | CONNECTION SERIES PARALLEL | LOCATION ACROSS STA. BETWEEN STA. | ARRANGEMENT INLINE <input checked="" type="checkbox"/> PATTERN <input type="checkbox"/> NORMAL TO LINE <input type="checkbox"/> | OFFSET DIRECTION GAP | FT. | ALIAS FILTER TYPE / FREQ |
| IB TRACE | | UH TRACE | | FILE TRACE | | UH CHECK |

| DAILY PROFILE NO. | TIME RECORDED | SHOT POINT | | | DIGITAL TAPE | | TRACE POSITION | | | | | U.H. TIME | OFFSET | | REMARKS | | | | | | | |
|-------------------|---------------|-------------------|----------|--------------------|----------------|--------------------|----------------|-------------|----------------------|---------------|---|-----------|--------|----|---------|-----------|----|--------------|------------|-------------|--|----------------------------|
| | | SHOT POINT NUMBER | SHOT FOR | DIRECTION TO NO. 1 | SHOT (A, B, C) | TOTAL CHARGE | DEPTH TOP BOT. | REEL NUMBER | SEQUENCE FILE NUMBER | PARITY ERRORS | 1 | | 24 | 25 | | 48 | 48 | 96 | CDP Switch | Truck Pos. | FEET | DEGREES |
| WIND STRIP | 4:01 | 1541 | B | | 100 | 155 180 135 160 | 414 | 120 | | 1661 | | | 1780 | 31 | | 1750/1751 | | | | | REEL 414 ON | |
| WIND STRIP | 4:05 | 1541 | A | | 50 | 155 180 | | 122 | | 1661 | | | 1780 | 31 | | | | | | | SP. 541 2 HOLES 50' EACH ONE @ 180, ONE @ 160' | |
| WIND STRIP | 4:14 | 1601 | B | | 50 | 168 180 | | 123 | | 1661 | | | 1780 | 31 | | | | | | | | |
| WIND STRIP | | | | | | | 414 | 126 | | 1661 | | | 1780 | 31 | | | | | | | | REEL 414 OFF |
| WIND STRIP | 4:32 | 1682 | B | | 100 | 155 180 | 415 | 127 | | 1661 | | | 1780 | 31 | | | | | | | | REEL 415 ON |
| WIND STRIP | 4:52 | 1768 | B | | 100 | 155 180 | | 128 | | 1661 | | | 1780 | 31 | | | | | | | | |
| WIND STRIP | | | | | | | 415 | 131 | | 1661 | | | 1780 | 31 | | | | | | | | VOID FILE 131 REEL 415 OFF |
| WIND STRIP | 5:02 | 1781 | B | | 100 | 155 180 | 416 | 133 | | 1661 | | | 1780 | 31 | | | | | | | | REEL 416 ON |
| WIND STRIP | 5:15 | 1841 | B | | 100 | 155 180 | | 134 | | 1661 | | | 1780 | 31 | | | | | | | | |
| WIND STRIP | 5:23 | 1858 | | | 50 | 155 180 | | 135 | | 1661 | | | 1780 | 31 | | | | | | | | |
| WIND STRIP | | | | | | | | 136 | | 1661 | | | 1780 | 31 | | | | | | | | |
| WIND STRIP | | | | | | | | 137 | | 1661 | | | 1780 | 31 | | | | | | | | |
| WIND STRIP | | | | | | | | 138 | | 1661 | | | 1780 | 31 | | | | | | | | |
| WIND STRIP | | | | | | | | 139 | | 1661 | | | 1780 | 31 | | | | | | | | |
| | | | | | | | | | | | | | | | | 48 - 48 | | REEL 416 OFF | | E.O.L. NO-3 | | |

RELIABLE EXPLORATION Inc.

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|--|-----------------|--------------------------------------|---------------------------|---------------------------|-------------|-----------------------------|-------------------------|--|---------------------------|---|--|--|---|--|-------------------------------------|--|---|
| PROJECT/PROSPECT <i>Williston II</i> | | NUMBER | LINE <i>ND-3</i> | RECORDING | OBSERVER'S | REPORT | | | | | | | | | | | |
| DATE & TRAVEL TIME | | IDENTIFICATION | | ENVIRONMENT | INSTRUMENTS | | GEOPHONES | | | S. P. PATTERN | | SPREAD | PAGE OF | | | | |
| MONTH <i>11</i> | DAY <i>1</i> | YEAR <i>92</i> | CLIENT <i>Co Corp.</i> | TEMP. | TERRAIN | TYPE INST. <i>DFS II</i> | SAMPLE RATE <i>4</i> | TYPE <i>L-21-A</i> | NO./STRING <i>9</i> | NO. OF STRINGS <i>2</i> | PATTERN WIDTH FT. | NO. OF HOLES PER SHOT | MULTIPLE CHARGE <input type="checkbox"/> | DISTANCE BETWEEN GROUP STATIONS <i>165'</i> | SUBSURFACE STACK | ENERGY SOURCE <i>Dyn.</i> | |
| LEAVE TOWN | ARRIVE FIELD | PARTY <i>3</i> | REC. TRUCK <i>R906</i> | OBSERVER <i>A Wick</i> | WIND | TYPE SURFACE | NO. TRACKS <i>9</i> | RECORD LGTH. <i>60</i> SEC. | FREQUENCY <i>10</i> HZ | SEPARATION <i>15</i> FT. | DAMPING RESISTOR <i>360-2</i> | PATTERN LGTH. FT. | DIST. BETWEEN HOLES | DELAY TOP TO BOTTOM | DISTANCE BETWEEN SHOT POINTS FT. | UPHOLE OFFSET | GAIN TYPE <input checked="" type="checkbox"/> AGC <input type="checkbox"/> PBC <input type="checkbox"/> GAGC |
| LEAVE FIELD | ARRIVE TOWN | PARTY LOCATION <i>Pierce N.D.</i> | | CO. STATE | PRECIP. | VEGETATION | BPI <i>1600</i> | FORMAT <i>369B</i> | TYPE BASE <i>Spike</i> | CONNECTION SERIES PARALLEL <input type="checkbox"/> | CONNECTION SERIES PARALLEL <input checked="" type="checkbox"/> | LOCATION ACROSS STA. BETWEEN STA. <input type="checkbox"/> | ARRANGEMENT INLINE <input checked="" type="checkbox"/> PATTERN <input type="checkbox"/> | OFFSET DIRECTION GAP | FT. | ALIAS FILTER TYPE / FREQ <i>128</i> | FIRST BREAK POLARITY <input type="checkbox"/> DOWN <input checked="" type="checkbox"/> UP |
| SHOW TRACE NOS., S. P. LOCATION, GAPS + DISTANCES, DIRECTION | | | | FILTER SETTING | | LOW CUT HZ <i>-</i> | H. CUT HZ <i>64</i> | SLOPE CAB/OCTAVE LC <i>-</i> HC <i>72</i> | NOTCH IN <i>IN</i> | INITIAL GAIN | FINAL | IB TRACE | FILE TRACE <i>4</i> | UH TRACE <i>2</i> | UH CHECK <i>3</i> | | |

SPREAD 12 - Master - R906

| DAILY PROFILE NO. | TIME RECORDED | SHOT POINT | | | | DIGITAL TAPE | | | TRACE POSITION | | | | | U.H. TIME | Direct | OFFSET FEET DEGREES | REMARKS | |
|-------------------|---------------|-------------------|-----------------------------|--------------|--------------|----------------|-------------|----------------------|----------------|------|------|------|------|-----------|--------|---------------------|---------|---|
| | | SHOT POINT NUMBER | SHOT FOR DIRECTION TO NO. 1 | SHOT (A,B,C) | TOTAL CHARGE | DEPTH TOP BOT. | REEL NUMBER | SEQUENCE FILE NUMBER | PARITY ERRORS | 1 | 2 | 3 | 4 | | | | | CDP Switch |
| | | Noise Test | | | | 214 | 120 | | 1421 | 1480 | 1481 | 1540 | 239 | 1518 | 1519 | | | 5 sec. Noise Test |
| 9. | 4:01 | 1541 | | B. | 2150 | 155 | 180 | | 121 | 1421 | 1480 | 1481 | 1540 | | | 28 | 37 | sta. 1421 & 1422 bad. also 1474 - 2 Holes 50 LBS APiece |
| | | Noise Test | | | | | | | 122 | 1421 | 1480 | 1481 | 1540 | | | | | 5 sec Noise Test |
| 10 | 4:05 | 1541 | | A. | 50 | 155 | 180 | | 123 | 1421 | 1480 | 1481 | 1540 | | | 32 | 41 | 1 Hole 50 LBS at 180 Ft |
| | | Noise Test | | | | | | | 124 | 1421 | 1480 | 1481 | 1540 | | | | | 5 sec. Noise Test |
| 11 | 4:14 | 1601 | | AAB | 2125 | 155 | 180 | | 125 | 1421 | 1480 | 1481 | 1540 | | | 38 | 42 | |
| | | Noise Test | | | | 214 | 126 | | 1421 | 1480 | 1481 | 1540 | | | | | | End reel # 214 - 5 sec Noise Test |
| | | Noise Test | | | | 215 | 127 | | 1421 | 1480 | 1481 | 1540 | 239 | | | | | Begin reel 215 - FN 900 Allones |
| 12 | 4:33 | 1682 | | AAB | 2150 | 155 | 180 | | 128 | 1421 | 1480 | 1481 | 1540 | | | 40 | 42 | 1482 - Blowout |
| | | Noise Test | | | | | | | 129 | 1421 | 1480 | 1481 | 1540 | | | | | |
| 13 | 4:52 | 1768 | | AAB | 2150 | 155 | 180 | | 130 | 1421 | 1480 | 1481 | 1540 | | | 48 | 48 | |
| | | Noise Test | | | | 218 | 131 | | 1421 | 1480 | 1481 | 1540 | | | | | | End reel 215 - Last FN 131 - 5 sec. Noise Test |
| | | Noise Test | | | | 216 | 133 | | 1421 | 1480 | 1481 | 1540 | 239 | | | | | NOJO FN 132 |
| 14 | 5:02 | 1781 | | AAB | 2150 | 155 | 180 | | 134 | 1421 | 1480 | 1481 | 1540 | | | 45 | 45 | Begin reel 216 FN 900 (5 sec. Noise Test) |
| | | Noise Test | | | | | | | 135 | 1421 | 1480 | 1481 | 1540 | | | | | Slave rec. - (5 sec. Noise Test) |
| 15 | 5:15 | 1841 | | AAB | 2150 | 155 | 180 | | 136 | 1421 | 1480 | 1481 | 1540 | | | 40 | 42 | (I.T.R.) recorder started late |
| | | Noise Test | | | | | | | 137 | 1421 | 1480 | 1481 | 1540 | | | | | (5 sec. Noise Test) |
| 16 | 5:23 | 1858 | | SB | 155 | 180 | | | 138 | 1421 | 1480 | 1481 | 1540 | | | 48 | 48 | |
| | | Noise Test | | | | 216 | 139 | | 1421 | 1480 | 1481 | 1540 | 239. | | | | | (5 sec. Noise Test) END reel 216 - Last FN 139 |

(USED 3 Tapes)

RELIABLE EXPLORATION Inc.

REORDER #4

| | | | | | | | | | | | | | | | | | | | |
|---|--------------|----------------|----------------|----------|------------|----------------|-------------|--------------|----------------------------|----------------------------|-----------------------------------|-------------------------------------|-------------------------------------|---------------------------------|------------------------------|---------------|------------------------------|-------------------------------|--|
| DATE & TRAVEL TIME | | | IDENTIFICATION | | | ENVIRONMENT | | INSTRUMENTS | | GEOPHONES | | | S. P. PATTERN | | SPREAD | | OBSERVER'S REPORT | | |
| MONTH | DAY | YEAR | CLIENT | TEMP. | TERRAIN | TYPE INST. | SAMPLE RATE | TYPE | NO./STRING | NO. OF STRINGS | PATTERN WIDTH | NO. OF HOLES PER SHOT | MULTIPLE CHARGE | DISTANCE BETWEEN GROUP STATIONS | SUBSURFACE STACK | ENERGY SOURCE | PAGE 3 OF | | |
| 10 | 31 | 92 | COCORP | 28° | HILLS | DFSZ | 4MS | L-21-A | 9 | 1 | 8 FT. | | <input type="checkbox"/> | 165 FT. | | DYNAMITE | | | |
| LEAVE TOWN | ARRIVE FIELD | PARTY | REC. TRUCK | OBSERVER | WIND | TYPE SURFACE | NO TRACKS | RECORD LGTH. | FREQUENCY | SEPARATION | DAMPING RESISTOR | PATTERN LGTH. | DIST. BETWEEN HOLES | DELAY TOP TO BOTTOM | DISTANCE BETWEEN SHOT POINTS | UPHOLE OFFSET | GAIN TYPE | FIXED | |
| | | 3 | 3137 | ROGERS | 10-15 | SAND | 9 | 60 SEC | 10 HZ | FT. | 360Ω | 120 FT. | | | FT. | 5' | <input type="checkbox"/> ABC | <input type="checkbox"/> PBC | <input type="checkbox"/> SABC |
| LEAVE FIELD | ARRIVE TOWN | PARTY LOCATION | CO. STATE | PRECIP. | VEGETATION | BPI | FORMAT | TYPE BASE | CONNECTION SERIES PARALLEL | CONNECTION SERIES PARALLEL | LOCATION ACROSS STA. BETWEEN STA. | ARRANGEMENT | INLINE | PATTERN | OFFSET DIRECTION GAP | FT. | ALIAS FILTER TYPE / FREQ | FIRST BREAK POLARITY | |
| | | Mc HENRY | N.D. | NONE | GRASS | 1600 | SEC. B | SPK | <input type="checkbox"/> | <input type="checkbox"/> | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | FT. | 64 | | <input type="checkbox"/> DOWN | <input checked="" type="checkbox"/> UP |
| SHOW TRACE NO'S, S. P. LOCATION, GAPS + DISTANCES, DIRECTION: | | | | | | FILTER SETTING | | LOW CUT HZ | H. CUT HZ | SLOPE CAB/OCTAVE | | NOTCH | INITIAL | FINAL | IB TRACE | | UH TRACE | | |
| | | | | | | | | 04T | 64 | LC | HC | IN | | IFP | FILE TRACE | | UH CHECK | | |

| DAILY PROFILE NO. | TIME RECORDED | SHOT POINT | | | | DIGITAL TAPE | | TRACE POSITION | | | | | U.H. TIME | OFFSET | REMARKS | | | | |
|-------------------|---------------|-------------------|----------|--------------------|----------------|--------------|----------------|----------------|----------------------|--------------|---|-------|-----------|--------|---------|-------|-----------|------------|--|
| | | SHOT POINT NUMBER | SHOT FOR | DIRECTION TO NO. 1 | SHOT (A, B, C) | TOTAL CHARGE | DEPTH TOP BOT. | REEL NUMBER | SEQUENCE/FILE NUMBER | PARTY ERRORS | 1 | 24 48 | | | | 25 49 | 48 96 | CDP Switch | Truck Pos. |
| WIND STRIP | 8:22 | 842 | A | | | 100* | 155 | 180 | 407 | 053 | | 1061 | | | 1180 | 61 | 1120/1121 | | REEL # 407 ON STA. 1072, 1140, + 1174 OPEN |
| | | | B | | | | | | | 054 | | 1061 | | | 1180 | 61 | | 36-40 | SP. 842 TWO HOLES 50' @ 180' EACH |
| WIND STRIP | 8:40 | 865 | A | | | 100* | 155 | 180 | | 055 | | 1061 | | | 1180 | 61 | | | STA. 1132 SHORTED |
| | | | B | | | | | | | 056 | | 1061 | | | 1180 | 61 | | 38-42 | SP. 865 TWO HOLES 50' @ 180' EACH |
| WIND STRIP | 8:44 | 868 | | | | 50* | 155 | 180 | | 057 | | 1061 | | | 1180 | 61 | | | |
| | | | | | | | | | | 058 | | 1061 | | | 1180 | 61 | | 40-40 | |
| WIND STRIP | | | | | | | | | 407 | 059 | | 1061 | | | 1180 | 61 | | | REEL 407 OFF STA. 1072, 1140, + 1174 OPEN |
| WIND STRIP | | | | | | | | | 408 | 067 | | 1061 | | | 1180 | 61 | | | REEL 408 ON STA. 1132 GOOD NOW |
| | 10:38 | 961 | A | | | 100* | 155 | 180 | | 068 | | 1061 | | | 1180 | 61 | | 35-40 | SP. 961 TWO HOLES 50' EACH @ 180' |
| | | | B | | | | | | | 069 | | 1061 | | | 1180 | 61 | | | VOID FILES 060 → 066 |
| | 11:02 | 1025 | A | | | 100* | 155 | 180 | | 070 | | 1061 | | | 1180 | 61 | | 39-39 | |
| | | | B | | | | | | | 071 | | 1061 | | | 1180 | 61 | | | |
| WIND STRIP | 11:15 | 1060 | | | | 50* | 155 | 180 | | 072 | | 1061 | | | 1180 | 61 | | 33-38 | |
| | | | | | | | | | 408 | 073 | | 1061 | | | 1180 | 61 | | | REEL # 408 OFF |
| WIND STRIP | | | | | | | | | 409 | 074 | | 1061 | | | 1180 | 61 | | | REEL # 409 ON |
| | 12:43 | 1061 | A | | | 100* | 155 | 180 | | 075 | | 1061 | | | 1180 | 61 | | 50-50 | |
| | | | B | | | | | | | 076 | | 1061 | | | 1180 | 61 | | | |
| | 12:55 | 1092 | A | | | 100* | 155 | 180 | | 077 | | 1061 | | | 1180 | 61 | | 42-46 | |
| | | | B | | | | | | | 078 | | 1061 | | | 1180 | 61 | | | |
| WIND STRIP | 12:58 | 1095 | | | | 50* | 155 | 180 | | 079 | | 1061 | | | 1180 | 61 | | 48-43 | |
| | | | | | | | | | | 080 | | 1061 | | | 1180 | 61 | | | |
| WIND STRIP | | 728 | A | | | 200* | 130 | 180 | | 081 | | 1061 | | | 1180 | 61 | | 44 - | |
| | | | B | | | | | | 409 | 082 | | 1061 | | | 1180 | 61 | | | REEL # 409 OFF |

RELIABLE EXPLORATION Inc.

| | | | | | | |
|--|------------------|------------------------|-------------------------|-----------------|-------------------------|---|
| PROJECT/PROSPECT <i>Williston II</i> | | NUMBER | LINE <i>N.D 3</i> | RECORDING | OBSERVER'S | REPORT |
| DATE & TRAVEL TIME | | IDENTIFICATION | | ENVIRONMENT | INSTRUMENTS | GEOPHONES |
| MONTH <i>10</i> | DAY <i>31</i> | YEAR <i>92</i> | CLIENT <i>COCORP</i> | TEMP. | TERRAIN <i>ROADS</i> | TYPE INST <i>DFSV</i> |
| LEAVE TOWN | ARRIVE FIELD | PARTY | REC. TRUCK | OBSERVER | WIND | TYPE SURFACE |
| <i>7:05</i> | <i>7:35</i> | <i>R803-3</i> | <i>R803</i> | <i>T. Brown</i> | | |
| LEAVE FIELD | ARRIVE TOWN | PARTY LOCATION | | CO. STATE | PRECIP. | VEGETATION |
| | | <i>PIERCE CO. N.D.</i> | | | | |
| SHOW TRACE NO'S, S.P. LOCATION, GAPS + DISTANCES, DIRECTION: | | | | FILTER SETTING | | LOW CUT HZ <i>out</i> |
| | | | | | | H. CUT HZ <i>64</i> |
| | | | | | | SLOPE CAB/OCTAVE LC <i>18</i> HC <i>72</i> |
| | | | | | | NOTCH IN <i>15</i> |
| | | | | | | ARRANGEMENT INITIAL <i>36</i> FINAL <i>IFP</i> |
| | | | | | | IB TRACE _____ UH TRACE _____ |
| | | | | | | FILE TRACE _____ UH CHECK _____ |

| DAILY PROFILE NO. | TIME RECORDED | SHOT POINT | | | | DIGITAL TAPE | | TRACE POSITION | | | | | L LINE | U.H. TIME | R R.D. | OFFSET FEET | DEGREES | REMARKS |
|-------------------|---------------|-------------------|-----------------------------|-------------------|--------------|----------------|-------------|----------------------|------|------|----|-----------|-----------|--------------|-----------|----------------|---|---------|
| | | SHOT POINT NUMBER | SHOT FOR DIRECTION TO NO. 1 | SHOT (A,B,C) | TOTAL CHARGE | DEPTH TOP BOT. | REEL NUMBER | SEQUENCE/FILE NUMBER | 1 | 60 | 61 | 120 | | | | | | |
| | | | W | 5 SEC NOISE STRIP | 307 | 053 | 941 | 1000 | 1001 | 1060 | 13 | 1000/1001 | - | - | | | SPREAD B | |
| 1 | 8:22 | 842 | B | 100 155 180 | | 054 | " | " | " | " | " | | 40 | 36 | | | DAILY TEST 900-906 | |
| | | | | 5 SEC NOISE STRIP | | 055 | " | " | " | " | " | | - | - | | | | |
| 2 | 8:40 | 865 | A | 100 155 180 | | 056 | " | " | " | " | " | | 42 | 38 | | | SP 865 A 2X 50 155/180 | |
| | | | | 5 SEC NOISE STRIP | | 057 | " | " | " | " | " | | - | - | | | | |
| 3 | 8:44 | 868 | A | 50 155 180 | | 058 | " | " | " | " | " | | 40 | 40 | | | SP 868 A 1X 50 155/180 | |
| | | | | 5 SEC NOISE STRIP | 307 | 059 | " | " | " | " | " | | - | - | | | END OF REEL #307 | |
| | | | | 5 SEC NOISE STRIP | 308 | 067 | " | " | " | " | " | | - | - | | | *VOID FILE# 060 NO FILES 061-064 VOID FILES 065 066 | |
| 4 | 10:38 | 961 | A | 100 155 180 | | 068 | " | " | " | " | " | | 40 | 35 | | | SP 961 A 2X 50 155/180 | |
| | | | | 5 SEC NOISE STRIP | | 069 | " | " | " | " | " | | - | - | | | | |
| 5 | 11:02 | 1025 | A | 100 155 180 | | 070 | " | " | " | " | " | | 39 | 39 | | | SP 1025 A 2X 50 155/180 | |
| | | | | 4 SEC NOISE STRIP | | 071 | " | " | " | " | " | | - | - | | | *FILE #071 WAS AT 4 SEC NOISE STRIP | |
| 6 | 11:15 | 1060 | A | 50 155 180 | | 072 | " | " | " | " | " | | 38 | 33 | | | SP 1060 A 1X 50 155/180 | |
| | | | | 5 SEC NOISE STRIP | | 073 | 941 | 1000 | 1001 | 1060 | 13 | | - | - | | | | |

2 TAPES

RELIABLE EXPLORATION Inc.

| | | | | | | | | | | | | | | | | | |
|---|------------------|---------------------------------------|---------------------------|----------------------------|-------------|-----------------------------|-------------------------|--|---------------------------|---|---|---|--|---|-------------------------------------|--|--|
| PROJECT/PROSPECT <i>Williston II</i> | | NUMBER | LINE <i>ND-3</i> | RECORDING | OBSERVER'S | REPORT | | | | | | | | | | | |
| DATE & TRAVEL TIME | | IDENTIFICATION | | ENVIRONMENT | INSTRUMENTS | | GEOPHONES | | | S. P. PATTERN | | SPREAD | PAGE OF | | | | |
| MONTH <i>10</i> | DAY <i>31</i> | YEAR <i>92</i> | CLIENT <i>Co Corp</i> | TEMP. | TERRAIN | TYPE INST. <i>DFS II</i> | SAMPLE RATE <i>4</i> | TYPE <i>L-21-A</i> | NO./STRING <i>9</i> | NO. OF STRINGS <i>2</i> | PATTERN WIDTH FT. | NO. OF HOLES PER SHOT | MULTIPLE CHARGE <input type="checkbox"/> | DISTANCE BETWEEN GROUP STATIONS <i>165</i> FT. | SUBSURFACE STACK % | ENERGY SOURCE <i>Dyn</i> | |
| LEAVE TOWN | ARRIVE FIELD | PARTY <i>314</i> | REC. TRUCK <i>R906</i> | OBSERVER <i>D. Wick</i> | WIND | TYPE SURFACE | NO. TRACKS <i>9</i> | RECORD LGTH. <i>60</i> SEC. | FREQUENCY <i>10</i> HZ | SEPARATION <i>15</i> FT. | DAMPING RESISTOR <i>360</i> | PATTERN LGTH. FT. | DIST. BETWEEN HOLES | DELAY TOP TO BOTTOM | DISTANCE BETWEEN SHOT POINTS FT. | UPHOLE OFFSET FT. | GAIN TYPE <input checked="" type="checkbox"/> AGC <input type="checkbox"/> PGC <input type="checkbox"/> GAGC <input type="checkbox"/> BINARY |
| LEAVE FIELD | ARRIVE TOWN | PARTY LOCATION <i>Pierce, N.D.</i> | | CO. STATE | PRECIP. | VEGETATION | BPI <i>1600</i> | FORMAT <i>Seq B</i> | TYPE BASE <i>Spike</i> | CONNECTION SERIES PARALLEL <input type="checkbox"/> | CONNECTION SERIES PARALLEL <input type="checkbox"/> | LOCATION ACROSS STATION BETWEEN STA. <input type="checkbox"/> | ARRANGEMENT INLINE <input checked="" type="checkbox"/> NORMAL TO LINE <input type="checkbox"/> | PATTERN <input type="checkbox"/> | OFFSET DIRECTION GAP FT. | ALIAS FILTER TYPE / FREQ <i>128</i> | FIRST BREAK POLARITY <input type="checkbox"/> DOWN <input checked="" type="checkbox"/> UP |
| SHOW TRACE NO'S, S.P. LOCATION, GAPS + DISTANCES, DIRECTION | | | | FILTER SETTING | | LOW CUT HZ <i>-</i> | H. CUT HZ <i>64</i> | SLOPE CAR/OCTAVE LC <i>-</i> HC <i>72</i> | | NOTCH IN <i>IN</i> | GAIN INITIAL <i>36</i> FINAL <i>84-77</i> | | IB TRACE <i>1</i> | FILE TRACE <i>4</i> | UH TRACE <i>2</i> | UH CHECK <i>5</i> | |

SPACE REC. - SPREAD 7 - R906

| DAILY PROFILE NO. | TIME RECORDED | SHOT POINT | | | | DIGITAL TAPE | | | TRACE POSITION | | | | | OFFSET FEET DEGREES | REMARKS | | | | | | |
|-------------------|---------------|-------------------|-----------------------------|--------------|--------------|----------------|-------------|----------------------|----------------|-----------|------|------|------|------------------------|---------|------------|------------|-------------------|----------------------------------|----------------------------------|--|
| | | SHOT POINT NUMBER | SHOT FOR DIRECTION TO NO. 1 | SHOT (A,B,C) | TOTAL CHARGE | DEPTH TOP BOT. | REEL NUMBER | SEQUENCE/FILE NUMBER | PARITY ERRORS | 1 | 2 | 25 | 40 | | | CDP Switch | Truck Pos. | | | | |
| | | Noise Test | | | | | | | | | | | | | | | | | | | |
| 1 | 8:22 | 842 | A+B | 250 | 155 180 | 207 | 53 | | TR1 | 821 | 880 | 881 | 940 | 37 | 880/881 | | | 5 sec. Noise Test | FN 901 - DRD - 20.48mv | | |
| | | Noise Test | | | | | 54 | | | 821 | 880 | 881 | 940 | 37 | | | | | sta 835 Bad | FN 902 - DRD - 80mv | |
| 2 | 8:40 | 865 | A+B | 250 | 155 180 | | 55 | | | 821 | 888 | 881 | 940 | 37 | | | | 5 sec Noise Test | FN 903 - DRD - 5mv | | |
| | | Noise Test | | | | | 56 | | | 821 | 880 | 881 | 940 | 37 | | | | | FN 904 - Converter - Noise | | |
| | | Noise Test | | | | | 57 | | | 821 | 880 | 881 | 940 | 37 | | | | | 5 sec Noise Test | FN 905 - Exp. Osc. | |
| 3 | 8:44 | 868 | A | 50 | 155 180 | | 58 | | | 821 | 880 | 881 | 940 | 37 | | | | | FN 906 - Pulse Test | | |
| | | Noise Test | | | | | 59 | | | 821 | 880 | 881 | 940 | 37 | | | | | End reel 207 (5 sec. Noise Test) | | |
| | | Noise Test | | | | | | | | SPREAD 12 | | | | | | | | | | | |
| | | Noise Test | | | | | 209 | 74 | | | 1421 | 1480 | 1481 | 1540 | 37 | | | | | Begin reel 209 FN 900 allowed | |
| 4 | 12:43 | 1061 | A+B | 250 | 155 180 | | 75 | | | 1421 | 1480 | 1481 | 1540 | 37 | | | | | sta. 1527 dead | | |
| | | Noise Test | | | | | 76 | | | 1421 | 1480 | 1481 | 1540 | 37 | | | | | Powerline sta. 1419 + 1483. | | |
| 5 | 12:55 | 1092 | A+B | 250 | 155 180 | | 77 | | | 1421 | 1480 | 1481 | 1540 | 37 | | | | | | | |
| | | Noise Test | | | | | 78 | | | 1421 | 1480 | 1481 | 1540 | 37 | | | | | | sta. 1489 - 1493 electric fence. | |
| 6 | 12:58 | 1095 | A | 50 | 155 180 | | 79 | | | 1421 | 1480 | 1481 | 1540 | 37 | | | | | | | |
| | | Noise Test | | | | | 80 | | | 1421 | 1480 | 1481 | 1540 | 37 | | | | | | | |
| 7 | 1:25 | 728 | A+B | 250 | 130 180 | | 81 | | | 1421 | 1480 | 1481 | 1540 | 37 | | | | | | | |
| | | Noise Test | | | | | 82 | | | 1421 | 1480 | 1481 | 1540 | 37 | | | | | | End reel 209 last FN 900 | |

*USED 2 Tapes
1 Roll Paper*

RELIABLE EXPLORATION Inc.

| | | | | | | |
|--|-----------------------------|----------------------------|---------------------------|--|---|--|
| PROJECT / PROSPECT <i>Williston II</i> | | NUMBER | LINE <i>ND-3</i> | RECORDING | OBSERVER'S | REPORT |
| DATE & TRAVEL TIME | | IDENTIFICATION | | ENVIRONMENT | INSTRUMENTS | |
| MONTH <i>10</i> | DAY <i>30</i> | YEAR <i>92</i> | CLIENT <i>Co Corp</i> | TEMP. | TERRAIN | TYPE INST. <i>DFS II</i> |
| LEAVE TOWN <i>7:00</i> | ARRIVE FIELD <i>7:20</i> | PARTY <i>314</i> | REC. TRUCK <i>R906</i> | OBSERVER <i>D. Wick</i> | WIND | TYPE SURFACE |
| PARTY LOCATION <i>Pierce N.D.</i> | | CO. STATE | NO. TRACKS <i>9</i> | RECORD LGTH. <i>60</i> SEC. | FREQUENCY <i>10</i> HZ | SEPARATION <i>15</i> FT. |
| SHOW TRACE NO'S. S.P. LOCATION, GAPS & DISTANCES, DIRECTION | | FILTER SETTING | | LOW CUT HZ <i>-</i> | H. CUT HZ <i>64</i> | SLOPE CAB/OCTAVE LC <i>-</i> HC <i>72</i> |
| <i>SPREAD 7 - SLAVE - R906</i> | | NO. OF STRINGS <i>2</i> | | PATTERN WIDTH <i>360</i> FT. | NO. OF HOLES PER SHOT <i>1</i> | MULTIPLE CHARGE <input type="checkbox"/> |
| DISTANCE BETWEEN GROUP STATIONS <i>165</i> FT. | | SUBSURFACE STACK | | ENERGY SOURCE <i>Dyn.</i> | GAIN TYPE <input checked="" type="checkbox"/> AGC <input type="checkbox"/> PGC <input type="checkbox"/> GAGC | |
| DISTANCE BETWEEN SHOT POINTS | | UPHOLE OFFSET | | FIRST BREAK POLARITY <input type="checkbox"/> DOWN <input checked="" type="checkbox"/> UP | | |
| ARRANGEMENT INLINE <input type="checkbox"/> PATTERN <input type="checkbox"/> NORMAL TO LINE <input type="checkbox"/> | | OFFSET DIRECTION | | IB TRACE <i>14</i> | | UH TRACE <i>2</i> |
| INITIAL GAIN <i>36</i> | | FINAL GAIN <i>84</i> | | FILE TRACE <i>4</i> | | UH CHECK <i>3</i> |

| DAILY PROFILE NO. | TIME RECORDED | SHOT POINT | | | | DIGITAL TAPE | | | TRACE POSITION | | | | | OFFSET | | REMARKS | | | | | | |
|-------------------|---------------|-------------------|----------|--------------------|--------------|--------------|-----------|------------|----------------|----------------------|---------------|-----|----|--------|---|---------|------------|------------|-----------------|--------|--|---|
| | | SHOT POINT NUMBER | SHOT FOR | DIRECTION TO NO. 1 | SHOT (A,B,C) | TOTAL CHARGE | DEPTH TOP | DEPTH BOT. | REEL NUMBER | SEQUENCE/FILE NUMBER | PARITY ERRORS | 1 | 2 | 3 | 4 | | CDP Switch | Truck Pos. | RADIO U.H. TIME | Direct | | |
| | | Noise Test | | | | 204 | 31 | | 821 | 880 | 881 | 940 | 37 | | | | | | | | | |
| 1 | 9:00 | 461 | | | AIB 2x50 | 155 | 180 | 32 | 821 | 880 | 881 | 940 | 37 | | | | | 42 | 42 | | sta 825 bad - (Slave Rec) | |
| | | Noise Test | | | | | | 33 | 821 | 880 | 881 | 940 | 37 | | | | | | | | | FN 901 - DRP - 20.48m |
| 2 | 9:10 | 521 | | | AIB 2x50 | 155 | 180 | 34 | 821 | 880 | 881 | 940 | 37 | | | | | 38 | 36 | | Powerline 825 | |
| | | Noise Test | | | | | | 35 | 821 | 880 | 881 | 940 | 37 | | | | | | | | | FN 902 - DRD - 80uv |
| 3 | 9:25 | 527 | | | A. 100 | 130 | 180 | 36 | 821 | 880 | 881 | 940 | 37 | | | | | 40 | - | | 5sec Noise Test | |
| | | Noise Test | | | | 204 | 37 | | 821 | 880 | 881 | 940 | 37 | | | | | | | | | FN 903 - DRD - 5uv |
| | | Noise Test | | | | | | 38 | 821 | 880 | 881 | 940 | 37 | | | | | | | | | Powerline sta. 888 |
| | | Noise Test | | | | | | 39 | 821 | 880 | 881 | 940 | 37 | | | | | | | | | FN 904 - Converter Noise |
| 4 | 10:42 | 616 | | | AIB 2x50 | 155 | 180 | 40 | 821 | 880 | 881 | 940 | 37 | | | | | 40 | 40 | | 5sec Noise Test | |
| | | Noise Test | | | | | | 41 | 821 | 880 | 881 | 940 | 37 | | | | | | | | | FN 905 - Exp. Osc. |
| 5 | 11:03 | 668 | | | AIB 2x50 | 130 | 140 | 42 | 821 | 880 | 881 | 940 | 37 | | | | | 38 | 39 | | 5sec Noise Test | |
| | | Noise Test | | | | | | 43 | 821 | 880 | 881 | 940 | 37 | | | | | | | | | FN 906 - Pulse Test |
| 6 | 11:10 | 681 | | | A. 100 | 130 | 180 | 44 | 821 | 880 | 881 | 940 | 37 | | | | | 34 | 38 | | 5sec Noise Test - End reel 204 - Last FN 37 | |
| | | Noise Test | | | | 205 | 45 | | 821 | 880 | 881 | 940 | 37 | | | | | | | | | |
| | | Noise Test | | | | | | 46 | 821 | 880 | 881 | 940 | 37 | | | | | | | | | FN 900 All ones |
| 7 | 2:35 | 721 | | | AIB 2x50 | 155 | 180 | 47 | 821 | 880 | 881 | 940 | 37 | | | | | 42 | 38 | | New reel 205 FN 900 All ones - 5sec Noise test | |
| | | Noise Test | | | | | | 48 | 821 | 880 | 881 | 940 | 37 | | | | | | | | | sta 825 Bad (Master Rec) |
| 8 | 2:44 | 750 | | | AIB 2x50 | 155 | 180 | 49 | 821 | 880 | 881 | 940 | 37 | | | | | 40 | 38 | | 5sec Noise Test | |
| | | Noise Test | | | | | | 50 | 821 | 880 | 881 | 940 | 37 | | | | | | | | | 5sec Noise Test |
| 9 | 2:55 | 801 | | | A. 50 | 155 | 180 | 51 | 821 | 880 | 881 | 940 | 37 | | | | | 40 | 36 | | 5sec Noise Test | |
| | | Noise Test | | | | 206 | 52 | | 821 | 880 | 881 | 940 | 37 | | | | | | | | | 5sec Noise Test - end reel 206 - Last FN 52 |
| Used 3 Tapes | | | | | | | | | | | | | | | | | | | | | | |

RELIABLE EXPLORATION Inc.

RECORDED 1

| | | | | |
|--|--------------|--|---|---|
| PROJECT/PROSPECT WILLISTON II | | NUMBER | LINE NO-3 | RECORDING OBSERVER'S REPORT |
| DATE & TRAVEL TIME | | ENVIRONMENT | INSTRUMENTS | GEOPHONES |
| MONTH 10 | DAY 29 | YEAR 92 | CLIENT COORP | TEMP. FLAT |
| LEAVE TOWN | ARRIVE FIELD | PARTY 3 | REC. TRUCK R-204 | OBSERVER ROYAL |
| LEAVE FIELD | ARRIVE TOWN | PARTY LOCATION MCNEWEERY | CO. STATE ND | PRECIP. GRASS |
| SHOW TRACE NO'S, S.P. LOCATION, GAPS + DISTANCES, DIRECTION: | | WIND | TYPE SURFACE SAND | NO TRACKS 9 |
| FILTER SETTING | | VEGETATION | BPI 1600 | FORMAT SECS B |
| LOW CUT HZ CUT | | TYPE INST AFSV | SAMPLE RATE 2ms | TYPE L-21A |
| H. CUT HZ 64 | | NO. TRACKS | RECORD LGTH. 60 SEC | FREQUENCY 10 HZ |
| SLOPE CAR/OCTAVE LC CUT | | NO. OF STRINGS 1 | PATTERN LGTH. 120 FT | SEPARATION 12 FT |
| NOTCH IN CUT | | NO. OF STRINGS 1 | PATTERN LGTH. 120 FT | DAMPING RESISTOR 360Ω |
| GAIN INITIAL | | NO. OF HOLES PER SHOT | MULTIPLE CHARGE | DIST. BETWEEN HOLES |
| FINAL 1FP | | DIST. BETWEEN HOLES | ARRANGEMENT INLINE <input type="checkbox"/> PATTERN <input type="checkbox"/> | OFFSET DIRECTION GAP |
| IB TRACE | | DIST. BETWEEN GROUP STATIONS 165 FT | ARRANGEMENT NORMAL TO LINE <input type="checkbox"/> | OFFSET DIRECTION GAP |
| FILE TRACE | | UPHOLE OFFSET | ALIAS FILTER TYPE / FREQ 64 HZ | FIRST BREAK POLARITY DOWN <input type="checkbox"/> UP <input type="checkbox"/> |
| UH TRACE | | ENERGY SOURCE DYNAMITE | FIXED <input type="checkbox"/> GASC <input type="checkbox"/> | UH CHECK |

| DAILY PROFILE NO. | TIME RECORDED | SHOT POINT | | | | DIGITAL TAPE | | | TRACE POSITION | | | | | U.H. TIME | OFFSET FEET DEGREES | REMARKS DETAIL ANY CHANGE FROM NORMAL CONDITIONS NOTED ABOVE | | |
|-------------------|---------------|-------------------|----------|--------------------|--------------|--------------|-----------|------------|----------------|----------------------|---------------|---|----|-----------|------------------------|---|----|--------------------------------------|
| | | SHOT POINT NUMBER | SHOT FOR | DIRECTION TO NO. 1 | SHOT (A,B,C) | TOTAL CHARGE | DEPTH TOP | DEPTH BOT. | REEL NUMBER | SEQUENCE FILE NUMBER | PARITY ERRORS | 1 | 24 | | | | 25 | 48 |
| 1 | | WIND | STRIP | | | | | 104 | 31 | | 701 | | | 820 | 33 | 764/765 | | REEL 104 ON |
| 2 | 9:00 | 461 | A-B | 100 | 155 | 180 | | 32 | | | 701 | | | 820 | 33 | | | Daily TESTS 901-906 STA 720-726 OPEN |
| 3 | | WIND | STRIP | | | | | 33 | | | 701 | | | 820 | 33 | | | Two Holes w/50' @ 180' |
| 4 | 9:10 | 521 | A-B | 100 | 155 | 180 | | 34 | | | 701 | | | 820 | 33 | | | Two Holes w/50' @ 180' |
| 5 | | WIND | STRIP | | | | | 35 | | | 701 | | | 820 | 33 | | | |
| 6 | 9:25 | 588 | 521 | 100 | 150 | 180 | | 36 | | | 701 | | | 820 | 33 | | | ONE HOLE 100' @ 180' |
| 7 | | WIND | STRIP | | | | | 104 | 37 | | 701 | | | 820 | 33 | 769/765 | | REEL 104 OFF |
| 8 | | WIND | STRIP | | | | | 105 | 38 | | 701 | | | 820 | 33 | 768/765 | | REEL 105 ON |
| 9 | 10:42 | 616 | A-B | 100 | 155 | 180 | | 39 | | | 701 | | | 820 | 33 | | | Two Holes w/50' @ 180' |
| 10 | | WIND | STRIP | | | | | 40 | | | 701 | | | 820 | 33 | | | |
| 11 | 11:03 | 668 | A-E | 100 | 130 | 140 | | 41 | | | 701 | | | 820 | 33 | | | SIX HOLES w/20' @ 140' |
| 12 | | WIND | STRIP | | | | | 43 | | | 701 | | | 820 | 33 | | | VOID FILE 42 |
| 13 | 11:10 | 681 | A | 100 | 155 | 180 | | 44 | | | 701 | | | 820 | 33 | | | ONE HOLE w/100' @ 180' |
| 14 | | WIND | STRIP | | | | | 105 | 45 | | 701 | | | 820 | 33 | 764/765 | | REEL 105 OFF |
| 15 | | WIND | STRIP | | | | | 106 | 46 | | 701 | | | 820 | 33 | 764/765 | | REEL 106 ON |
| 16 | 2:35 | 721 | A-B | 100 | 155 | 180 | | 47 | | | 701 | | | 820 | 33 | | | Two Holes w/50' @ 180' |
| 17 | | WIND | STRIP | | | | | 48 | | | 701 | | | 820 | 33 | | | |
| 18 | 2:44 | 750 | A-B | 100 | 155 | 180 | | 49 | | | 701 | | | 820 | 33 | | | Two Holes w/50' @ 180' |
| 19 | | WIND | STRIP | | | | | 50 | | | 701 | | | 820 | 33 | | | |
| 20 | 2:55 | 801 | A | 50 | 155 | 180 | | 51 | | | 701 | | | 820 | 33 | | | ONE HOLE w/50' @ 180' |
| 21 | | WIND | STRIP | | | | | 106 | 52 | | 701 | | | 820 | 33 | 764/765 | | REEL 106 OFF |
| | | | | | | | | | | | | | | | | USED THREE TAPES - | | |

RELIABLE EXPLORATION Inc.

RECORDER # 4

| | | | | | | |
|--|------------------|---------------------------------------|---------------------------|---|----------------------------|---|
| PROJECT/PROSPECT <i>WILLISTON 11</i> | | NUMBER | LINE <i>N.D.-3</i> | RECORDING | OBSERVER'S | REPORT |
| DATE & TRAVEL TIME | | IDENTIFICATION | | ENVIRONMENT | INSTRUMENTS | |
| MONTH <i>10</i> | DAY <i>30</i> | YEAR <i>92</i> | CLIENT <i>COCORP</i> | TEMP. <i>25°</i> | TERRAIN <i>HILLS</i> | TYPE INST. <i>DFS V</i> |
| LEAVE TOWN | ARRIVE FIELD | PARTY <i>3</i> | REC. TRUCK <i>3137</i> | OBSERVER <i>ROGERS</i> | WIND <i>10-15</i> | TYPE SURFACE <i>SAND</i> |
| LEAVE FIELD | ARRIVE TOWN | PARTY LOCATION <i>McHENRY N.D.</i> | | PRECIP. <i>NONE</i> | VEGETATION <i>GRASS</i> | B.P.I. <i>1600'</i> |
| SHOW TRACE NO'S, S.P. LOCATION, GAPS + DISTANCES, DIRECTION: | | | | FILTER SETTING <i>04T</i> | | LOW CUT HZ <i>64</i> |
| | | | | SLOPE CAB/OCTAVE LC <i>04T</i> HC <i>72</i> | | NOTCH IN <i>1N</i> |
| | | | | ARRANGEMENT IN LINE <input checked="" type="checkbox"/> PATTERN <input type="checkbox"/> | | INITIAL <i>IFP</i> |
| | | | | DISTANCE BETWEEN GROUP STATIONS | | UPHOLE OFFSET <i>5'</i> |
| | | | | DISTANCE BETWEEN SHOT POINTS | | GAIN TYPE <input checked="" type="checkbox"/> AGC <input type="checkbox"/> PGC <input type="checkbox"/> GAGC |
| | | | | DISTANCE BETWEEN SHOT POINTS | | FIRST BREAK POLARITY <input type="checkbox"/> DOWN <input checked="" type="checkbox"/> UP |

| DAILY PROFILE NO. | TIME RECORDED | SHOT POINT | | | | DIGITAL TAPE | | | TRACE POSITION | | | | | U.H. TIME | OFFSET FEET DEGREES | REMARKS <small>DETAIL ANY CHANGE FROM NORMAL CONDITIONS NOTED ABOVE</small> | |
|-------------------|---------------|-------------------|----------|--------------------|----------------|--------------|-------------------|-------------|----------------------|---------------|---|----------|----------|-----------|------------------------|--|--|
| | | SHOT POINT NUMBER | SHOT FOR | DIRECTION TO NO. 1 | SHOT (A, B, C) | TOTAL CHARGE | DEPTH TOP BOT. | REEL NUMBER | SEQUENCE/FILE NUMBER | PARITY ERRORS | 1 | 24 48 | 25 49 | | | | 48 96 |
| | | WIND STRIP | | | | | 404 | 031 | | 461 | | | 580 | 61 | | | REEL # 404 ON STA. 462, 515, & 580 OPEN |
| | 9:00 | 461 | A | | 100# | 155' 180' | | 032 | | 461 | | | 580 | 61 | 42-42 | | 2 HOURS SP. 461 50' @ 180' EACH |
| | 9:13 | 521 | A | | 100# | 155' 180' | | 033 | | 461 | | | 580 | 61 | | | 2 HOURS SP. 521 50' @ 180' EACH |
| | 9:13 | 521 | B | | 100# | 155' 180' | | 034 | | 461 | | | 580 | 61 | 38-36 | | SP. 521 A BLOW OUT |
| | | *527 | | | 100# | 180' | | 035 | | 461 | | | 580 | 61 | | | VOID FILE 036 - *SP. 527 NO RECORD |
| | | WIND STRIP | | | | | 404 | 037 | | 461 | | | 580 | 61 | | | REEL 404 OFF |
| | | WIND STRIP | | | | | | | | | | | | | | | REEL 406 ON |
| | | WIND STRIP | | | | | 406 | 046 | | 1061 | | | 1180 | 61 | | | MOVE RECORDER TO 1120/1121 |
| | 2:35 | 721 | A | | 100# | 155' 180' | | 047 | | 1061 | | | 1180 | 61 | 40-38 | | REEL 406 ON STA. 1072, 1140, & 1180 OPEN |
| | 2:44 | 750 | A | | 100# | 155' 180' | | 048 | | 1061 | | | 1180 | 61 | | | |
| | 2:44 | 750 | B | | 100# | 155' 180' | | 049 | | 1061 | | | 1180 | 61 | 4-38 | | |
| | 2:55 | 801 | | | 50# | 155' 180' | | 050 | | 1061 | | | 1180 | 61 | 40-36 | | |
| | | WIND STRIP | | | | | 406 | 052 | | 1061 | | | 1180 | 61 | | | REEL # 406 OFF |

| | | | | | | | | | | | | | | | | | | | | |
|---|--------------|----------------|----------------|-----------|----------------|--------------|-----------|--------------|-------------|----------------------------|-------------------------------------|-----------------------------------|-------------------------------------|--------------------------|------------------------------|---------------------------------|---------------|---|-------------------------------|--|
| DATE & TRAVEL TIME | | | IDENTIFICATION | | | ENVIRONMENT | | INSTRUMENTS | | GEOPHONES | | | S. P. PATTERN | | SPREAD | | PAGE 1 OF | | | |
| MONTH | DAY | YEAR | CLIENT | | | TEMP. | TERRAIN | TYPE INST. | SAMPLE RATE | TYPE | NO./STRING | NO. OF STRINGS | PATTERN WIDTH | NO. OF HOLES PER SHOT | MULTIPLE CHARGE | DISTANCE BETWEEN GROUP STATIONS | | SUBSURFACE STACK | ENERGY SOURCE | |
| 10 | 29 | 92 | COCORP | | | 28° | HILLS | DESV | 4MS | L-21-A | 9 | 1 | 0 | | <input type="checkbox"/> | 165 FT. | | | DYNAMITE | |
| LEAVE TOWN | ARRIVE FIELD | PARTY | REC. TRUCK | OBSERVER | WIND | TYPE SURFACE | NO TRACKS | RECORD LGTH. | FREQUENCY | SEPARATION | DAMPING RESISTOR | PATTERN LGTH. | DIST. BETWEEN HOLES | DELAY TOP TO BOTTOM | DISTANCE BETWEEN SHOT POINTS | | UPHOLE OFFSET | GAIN TYPE | FIXED | |
| | | 3 | 3137 | RIGERS | 5-10 | SAND | 9 | 60 SEC | 10 MZ | 360Ω | 120 FT. | | | | | | 5' | <input checked="" type="checkbox"/> AGC | <input type="checkbox"/> PGC | <input type="checkbox"/> GASC |
| LEAVE FIELD | ARRIVE TOWN | PARTY LOCATION | | CO. STATE | PRECIP. | VEGETATION | BPI | FORMAT | TYPE BASE | CONNECTION SERIES PARALLEL | CONNECTION SERIES PARALLEL | LOCATION ACROSS STA. BETWEEN STA. | ARRANGEMENT INLINE | PATTERN NORMAL TO LINE | OFFSET DIRECTION GAP | | FT. | ALIAS FILTER TYPE / FREQ | FIRST BREAK POLARITY | |
| | | N.D. | | | NONIE | GRASS | 1600 | SPC.B | SPK. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | | | | <input type="checkbox"/> DOWN | <input checked="" type="checkbox"/> UP |
| SHOW TRACE NO'S, S. P. LOCATION, GAPS + DISTANCES, DIRECTION: | | | | | FILTER SETTING | | | LOW CUT Hz | H. CUT Hz | SLOPE CAR/OCTAVE | | NOTCH IN | GAIN | | IB TRACE | | UH TRACE | | | |
| | | | | | | | | OUT | 64 | OUT 72 | | IN | IFP | | | | | | | |

| DAILY PROFILE NO. | TIME RECORDED | SHOT POINT | | | | DIGITAL TAPE | | | TRACE POSITION | | | | | U.H. TIME | OFFSET FEET DEGREES | REMARKS | |
|-------------------|---------------|-------------------|----------|--------------------|--------------|--------------|----------------|-------------|----------------------|---------------|---|-------|-------|-----------|---------------------|---------|---|
| | | SHOT POINT NUMBER | SHOT FOR | DIRECTION TO NO. 1 | SHOT (A,B,C) | TOTAL CHARGE | DEPTH TOP BOT. | REEL NUMBER | SEQUENCE FILE NUMBER | PARITY ERRORS | 1 | 24 48 | 25 49 | | | | 48 96 |
| WIND STRIP | 9:43 | 102 | A | | 200# | 130' 180' | 401 | 006 | | 461 | | | 580 | 61 | | 40-45 | FILE 900 ALONE'S |
| | | | | | | | | 007 | | 461 | | | 580 | 61 | | 40-45 | REEL # 401 ON - DAILY TEST 901-906 |
| WIND STRIP | 9:53 | 138 | B | | 100# | 155' 180' | | 008 | | 461 | | | 580 | 61 | | | VOID FILES 001-005 STA. 462 OPEN |
| | | | | | | | | 009 | | 461 | | | 580 | 61 | | 42-38 | SP. 102 2 HOLES 100# EACH @ 180' |
| WIND STRIP | 10:12 | 209 | | | 50# | 168' 180' | | 010 | | 461 | | | 580 | 61 | | | SP. 138 2 HOLES 50# EACH @ 180' |
| | | | | | | | | 011 | | 461 | | | 580 | 61 | | 40-40 | STA. 462 OPEN |
| WIND STRIP | | | | | | | 401 | 012 | | 461 | | | 580 | 61 | | | REEL 401 OFF |
| WIND STRIP | 10:34 | 252 | B | | 100# | 155' 180' | | 014 | | 461 | | | 580 | 61 | | 48-46 | REEL 402 ON VOID FILE 013 |
| | | | | | | | | 015 | | 461 | | | 580 | 61 | | | SP. 252 2 HOLES 50# EACH @ 180' STA. 462 OPEN |
| WIND STRIP | 10:43 | 255 | B | | 100# | 155' 180' | | 017 | | 461 | | | 580 | 61 | | | |
| | | | | | | | | 018 | | 461 | | | 580 | 61 | | 35-35 | SP. 255 2 HOLES 50# EACH @ 180' STA. 462 OPEN |
| WIND STRIP | 11:02 | 300 | | | 50# | 168' 180' | | 020 | | 461 | | | 580 | 61 | | | VOID FILE 019 |
| | | | | | | | | 022 | | 461 | | | 580 | 61 | | 38-36 | VOID FILE 021 STA. 462 OPEN |
| WIND STRIP | | | | | | | 402 | 023 | | 461 | | | 580 | 61 | | | REEL 402 OFF |
| WIND STRIP | 1:55 | 346 | B | | 200# | 130' 180' | | 024 | | 461 | | | 580 | 61 | | | REEL 403 ON |
| | | | | | | | | 025 | | 461 | | | 580 | 61 | | 30-35 | 2 HOLES B HOLE SLOW OUT 100# EACH @ 180' |
| WIND STRIP | 2:13 | 393 | B | | 100# | 155' 180' | | 026 | | 461 | | | 580 | 61 | | | STA. 462 & 482 OPEN |
| | | | | | | | | 027 | | 461 | | | 580 | 61 | | 35-35 | #B HOLE SLOW OUT 2 HOLES ON SP. 393 50# EACH @ 180' |
| WIND STRIP | 2:20 | 460 | | | 50# | 155' 180' | | 028 | | 461 | | | 580 | 61 | | | STA. 462 & 482 OPEN |
| | | | | | | | | 029 | | 461 | | | 580 | 61 | | 41-37 | STA. 462 & 482 OPEN |
| WIND STRIP | | | | | | | 403 | 030 | | 461 | | | 580 | 61 | | | REEL 403 OFF |

RELIABLE EXPLORATION Inc.

| | | | | | | | | | | | | | | | | | | |
|---|------------------|-----------------------------------|-----------------------------|-----------------------------|-------------------------|----------------------------|-------------------------|---|---|---|---|--|---|---|---|------------------------------------|---|--|
| PROJECT/PROSPECT <i>Williston II</i> | | NUMBER | LINE <i>ND-3</i> | RECORDING | OBSERVER'S | REPORT | | | | | | | | | | | | |
| DATE & TRAVEL TIME | | ENVIRONMENT | INSTRUMENTS | GEPHONES | | S. P. PATTERN | | | | | | | | | | | | |
| MONTH <i>10</i> | DAY <i>29</i> | YEAR <i>92</i> | CLIENT <i>COCORP</i> | TEMP. | TERRAIN <i>ROADS</i> | TYPE INST. <i>DFS V</i> | SAMPLE RATE <i>4</i> | TYPE <i>L-21A</i> | NO. / STRING <i>9</i> | NO. OF STRINGS <i>1</i> | PATTERN WIDTH <i>in/line</i> FT. | NO. OF HOLES PER SHOT | MULTIPLE CHARGE <input type="checkbox"/> | DISTANCE BETWEEN GROUP STATIONS <i>165</i> FT. | SUBSURFACE STACK | ENERGY SOURCE <i>% DYNAMITE</i> | | |
| LEAVE TOWN | ARRIVE FIELD | PARTY | REC. TRUCK <i>R903-3</i> | OBSERVER <i>T. BROWN</i> | WIND | TYPE SURFACE | NO TRACKS <i>9</i> | RECORD LGTH. <i>60</i> SEC. | FREQUENCY <i>10</i> HZ | SEPARATION <i>15</i> FT. | DAMPING RESISTOR <i>360R</i> | PATTERN LGTH. FT. | DIST. BETWEEN HOLES | DELAY TOP TO BOTTOM | DISTANCE BETWEEN SHOT POINTS | UPHOLE OFFSET <i>5'</i> | GAIN TYPE <input checked="" type="checkbox"/> AGC <input type="checkbox"/> PBC <input type="checkbox"/> GAGC | |
| LEAVE FIELD | ARRIVE TOWN | PARTY LOCATION <i>MC HENRY</i> | CO. STATE <i>N.D.</i> | PRECIP. | VEGETATION | BPI <i>1600</i> | FORMAT <i>SEG B</i> | TYPE BASE <i>SPIKE</i> | CONNECTION SERIES PARALLEL <input type="checkbox"/> | CONNECTION SERIES PARALLEL <input type="checkbox"/> | LOCATION ACROSS STA. <input type="checkbox"/> | LOCATION BETWEEN STA. <input type="checkbox"/> | ARRANGEMENT INLINE <input type="checkbox"/> | PATTERN <input type="checkbox"/> | NORMAL TO LINE <input type="checkbox"/> | OFFSET DIRECTION GAP | ALIAS FILTER TYPE / FREQ | FIRST BREAK POLARITY <input type="checkbox"/> DOWN <input checked="" type="checkbox"/> UP |
| SHOW TRACE NO'S, S. P. LOCATION, GAPS + DISTANCES, DIRECTION: | | | | FILTER SETTING | | LOW CUT HZ <i>out</i> | H. CUT HZ <i>64</i> | SLOPE CAB/OCTAVE LC <i>18</i> HC <i>72</i> | | NOTCH IN <i>IN</i> | GAIN INITIAL <i>36</i> FINAL <i>JFP</i> | | IB TRACE | UH TRACE | FILE TRACE | UH CHECK | | |

| DAILY PROFILE NO. | TIME RECORDED | SHOT POINT | | | | DIGITAL TAPE | | TRACE POSITION | | | | | L. U.H. R. TIME | OFFSET FEET DEGREES | REMARKS | |
|-------------------|---------------|---------------------------------|----------|--------------------|--------------------|--------------|----------------|----------------|----------------------|---------------|-----|----|-----------------|---------------------|---------|---|
| | | SHOT POINT NUMBER | SHOT FOR | DIRECTION TO NO. 1 | SHOT (A,B,C) | TOTAL CHARGE | DEPTH TOP BOT. | REEL NUMBER | SEQUENCE/FILE NUMBER | PARITY ERRORS | 1 | 60 | | | | 61 |
| | | | | W | S SEC. NOISE STRIP | 301 | 006 | 341 | 400 | 401 | 460 | 13 | 400/401 | 45 | 40 | VOID FILE # 001-005 SPREAD 3 |
| | 9:43 | 102 ^A / _B | | | 200 130 130 | | 007 | " | " | " | " | " | | 45 | 40 | SP 102 ^A / _B 100 X 2 130/80 |
| | | | | | S SEC NOISE STRIP | | 008 | " | " | " | " | " | | - | - | |
| | 9:53 | 138 ^A / _B | | | 100 155 180 | | 009 | " | " | " | " | " | | 38 | 42 | SP 138 ^A / _B 2X 50 155/80 |
| | | | | | S SEC NOISE STRIP | | 010 | " | " | " | " | " | | - | - | |
| | 10:12 | 209 | | | 50 155 180 | | 011 | " | " | " | " | " | | 40 | 40 | SP 209 1X 50 155/80 |
| | | | | | S SEC NOISE STRIP | 301 | 012 | " | " | " | " | " | | - | - | END OF REEL # 301 |
| | | | | | | | | | | | | | | - | - | ONES FILES 900-901 |
| | 10:34 | 252 ^A / _B | | | 100 155 180 | 302 | 014 | " | " | " | " | " | | - | - | VOID FILE # 013 |
| | | | | | S SEC NOISE STRIP | | 015 | " | " | " | " | " | | 46 | 49 | SP 252 ^A / _B 2X 50 155/80 |
| | | | | | S SEC. NOISE STRIP | | 017 | " | " | " | " | " | | - | - | VOID FILE # 016 |
| | 10:43 | 255 ^A / _B | | | 100 155 180 | | 018 | " | " | " | " | " | | 35 | 35 | SP 255 ^A / _B 2X 50 155/80 |
| | | | | | S SEC NOISE STRIP | | 020 | " | " | " | " | " | | - | - | VOID FILE # 019 |
| | 11:02 | 300 ^A / _B | | | 50 155 180 | | 022 | " | " | " | " | " | | 36 | 38 | SP 300 ^A / _B 1X 50 155/80 VOID FILE # 021 |
| | | | | | S SEC NOISE STRIP | 302 | 023 | " | " | " | " | " | | - | - | END OF REEL # 302 |
| | | | | | | | | | | | | | | - | - | |
| | | | | | S SEC NOISE STRIP | 303 | 024 | " | " | " | " | " | | - | - | STA. 455 WENT DEAD |
| | 1:55 | 346 ^A / _B | | | 200 130 180 | | 025 | " | " | " | " | " | | 35 | 30 | SP 346 ^A / _B 2X 100 130/80 |
| | | | | | S SEC NOISE STRIP | | 026 | " | " | " | " | " | | - | - | |
| | 2:13 | 393 ^A / _B | | | 100 155 180 | | 027 | " | " | " | " | " | | 35 | 35 | SP 393 ^A / _B 2X 50 155/80 |
| | | | | | S SEC NOISE STRIP | | 028 | " | " | " | " | " | | - | - | |
| | 2:20 | 460 ^A / _B | | | 50 155 180 | | 029 | " | " | " | " | " | | 37 | 41 | SP 460 1X 50 155/80 |
| | | | | | S SEC NOISE STRIP | | 030 | 341 | 400 | 401 | 460 | 13 | 400/401 | - | - | |
| REORDER MOVE UP | | | | | | | | | | | | | | | | |
| 3 TAPES 1 ROLL | | | | | | | | | | | | | | | | |

RELIABLE EXPLORATION Inc.

RECORDER #1

| | | | | | | |
|--|-----------|--|----------------------------|--|-------------------|---|
| PROJECT/PROSPECT Williston 11 | | NUMBER | LINE ND-3 | RECORDING | OBSERVER'S | REPORT |
| DATE & TRAVEL TIME | | IDENTIFICATION | | ENVIRONMENT | INSTRUMENTS | GEOPHONES |
| MONTH 10 | DAY 29 | YEAR 92 | CLIENT Cocorp | TEMP 45° | TERRAIN FLAT | TYPE INST. DFSV |
| LEAVE TOWN | | ARRIVE FIELD | PARTY 3 | REC. TRUCK R 24 | OBSERVER Royal | SAMPLE RATE 4ms |
| LEAVE FIELD | | ARRIVE TOWN | PARTY LOCATION McHENERY | | CO. STATE N.D | TYPE L-21A |
| SNOW TRACE NO'S. | | S. P. LOCATION, GAPS + DISTANCES, DIRECTION: | | FILTER SETTING | | NO. / STRING 9 |
| S. P. LOCATION, GAPS + DISTANCES, DIRECTION: | | S. P. LOCATION, GAPS + DISTANCES, DIRECTION: | | S. P. LOCATION, GAPS + DISTANCES, DIRECTION: | | NO. OF STRINGS 1 |
| S. P. LOCATION, GAPS + DISTANCES, DIRECTION: | | S. P. LOCATION, GAPS + DISTANCES, DIRECTION: | | S. P. LOCATION, GAPS + DISTANCES, DIRECTION: | | PATTERN WIDTH 0 FT. |
| S. P. LOCATION, GAPS + DISTANCES, DIRECTION: | | S. P. LOCATION, GAPS + DISTANCES, DIRECTION: | | S. P. LOCATION, GAPS + DISTANCES, DIRECTION: | | NO. OF HOLES PER SHOT 1 |
| S. P. LOCATION, GAPS + DISTANCES, DIRECTION: | | S. P. LOCATION, GAPS + DISTANCES, DIRECTION: | | S. P. LOCATION, GAPS + DISTANCES, DIRECTION: | | MULTIPLE CHARGE <input type="checkbox"/> |
| S. P. LOCATION, GAPS + DISTANCES, DIRECTION: | | S. P. LOCATION, GAPS + DISTANCES, DIRECTION: | | S. P. LOCATION, GAPS + DISTANCES, DIRECTION: | | DISTANCE BETWEEN GROUP STATIONS 165 FT. |
| S. P. LOCATION, GAPS + DISTANCES, DIRECTION: | | S. P. LOCATION, GAPS + DISTANCES, DIRECTION: | | S. P. LOCATION, GAPS + DISTANCES, DIRECTION: | | SUBSURFACE STACK % |
| S. P. LOCATION, GAPS + DISTANCES, DIRECTION: | | S. P. LOCATION, GAPS + DISTANCES, DIRECTION: | | S. P. LOCATION, GAPS + DISTANCES, DIRECTION: | | ENERGY SOURCE DYNAMITE |
| S. P. LOCATION, GAPS + DISTANCES, DIRECTION: | | S. P. LOCATION, GAPS + DISTANCES, DIRECTION: | | S. P. LOCATION, GAPS + DISTANCES, DIRECTION: | | GAIN TYPE <input checked="" type="checkbox"/> ABC <input type="checkbox"/> PBC <input type="checkbox"/> GABC |
| S. P. LOCATION, GAPS + DISTANCES, DIRECTION: | | S. P. LOCATION, GAPS + DISTANCES, DIRECTION: | | S. P. LOCATION, GAPS + DISTANCES, DIRECTION: | | FIXED <input type="checkbox"/> BINARY |
| S. P. LOCATION, GAPS + DISTANCES, DIRECTION: | | S. P. LOCATION, GAPS + DISTANCES, DIRECTION: | | S. P. LOCATION, GAPS + DISTANCES, DIRECTION: | | UPHOLE OFFSET FT. |
| S. P. LOCATION, GAPS + DISTANCES, DIRECTION: | | S. P. LOCATION, GAPS + DISTANCES, DIRECTION: | | S. P. LOCATION, GAPS + DISTANCES, DIRECTION: | | ALIAS FILTER TYPE / FREQ 64 |
| S. P. LOCATION, GAPS + DISTANCES, DIRECTION: | | S. P. LOCATION, GAPS + DISTANCES, DIRECTION: | | S. P. LOCATION, GAPS + DISTANCES, DIRECTION: | | FIRST BREAK POLARITY <input type="checkbox"/> DOWN <input type="checkbox"/> UP |
| S. P. LOCATION, GAPS + DISTANCES, DIRECTION: | | S. P. LOCATION, GAPS + DISTANCES, DIRECTION: | | S. P. LOCATION, GAPS + DISTANCES, DIRECTION: | | IB TRACE |
| S. P. LOCATION, GAPS + DISTANCES, DIRECTION: | | S. P. LOCATION, GAPS + DISTANCES, DIRECTION: | | S. P. LOCATION, GAPS + DISTANCES, DIRECTION: | | UH TRACE |
| S. P. LOCATION, GAPS + DISTANCES, DIRECTION: | | S. P. LOCATION, GAPS + DISTANCES, DIRECTION: | | S. P. LOCATION, GAPS + DISTANCES, DIRECTION: | | FILE TRACE |
| S. P. LOCATION, GAPS + DISTANCES, DIRECTION: | | S. P. LOCATION, GAPS + DISTANCES, DIRECTION: | | S. P. LOCATION, GAPS + DISTANCES, DIRECTION: | | UH CHECK |

| DAILY PROFILE NO. | TIME RECORDED | SHOT POINT | | | | DIGITAL TAPE | | TRACE POSITION | | | | | U.M. TIME | OFFSET FEET DEGREES | REMARKS DETAIL ANY CHANGE FROM NORMAL CONDITIONS NOTED ABOVE | | |
|-------------------|---------------|-------------------|----------|--------------------|----------------|--------------|----------------|----------------|----------------------|---------------|---|-------|-----------|------------------------|---|-------|---|
| | | SHOT POINT NUMBER | SHOT FOR | DIRECTION TO NO. 1 | SHOT (A, B, C) | TOTAL CHARGE | DEPTH TOP BOT. | REEL NUMBER | SEQUENCE FILE NUMBER | PARITY ERRORS | 1 | 24 48 | | | | 25 49 | 48 170 |
| 1 | | WIND | STRIP | | | | 101 | 6 | | | | | 220 | 33 | 164/165 | | REEL 101 ON |
| 2 | 9:43 | 102 | A+B | | 200 | 130 180 | | 7 | | | | | 220 | 33 | | 40 45 | Daily Tests 901-906 WIND FILE 2, 3, 5 |
| 3 | | WIND | STRIP | | | | | 8 | | | | | 220 | 33 | | | TWO HOLES 100' @ 180' (NO FILE NO 4) |
| 4 | 9:53 | 138 | A+B | | 100 | 155 180 | | 9 | | | | | 220 | 33 | | 42 38 | STA 205 OPEN |
| 5 | | WIND | STRIP | | | | | 10 | | | | | 220 | 33 | | | TWO HOLES 50' @ 180' |
| 6 | 10:2 | 209 | A | | 50 | 155 180 | | 11 | | | | | 220 | 33 | | 40 40 | ONE HOLE 50' @ 180' |
| 7 | | WIND | STRIP | | | | 101 | 12 | | | | | 220 | 33 | 164/165 | | REEL 101 OFF |
| 8 | | WIND | STRIP | | | | 103 | 24 | | | | | 220 | 33 | 164/165 | | REEL 103 ON |
| 9 | 1:15 | 346 | A+B | | 200 | 130 180 | | 25 | | | | | 220 | 33 | | 30 35 | STA 170 OPEN |
| 10 | | WIND | STRIP | | | | | 26 | | | | | 220 | 33 | | | TWO HOLES w/100' @ 180' 1 HOLE BLEW OUT |
| 11 | 2:13 | 393 | A+B | | 100 | 155 180 | | 27 | | | | | 220 | 33 | | 35 35 | TWO HOLES w/50' @ 180' Both BLEW OUT |
| 12 | | WIND | STRIP | | | | | 28 | | | | | 220 | 33 | | | |
| 13 | 2:20 | 460 | A | | 50 | 155 180 | | 29 | | | | | 220 | 33 | | 41 37 | ONE HOLE w/50' @ 180' |
| 14 | | WIND | STRIP | | | | 103 | 30 | | | | | 220 | 33 | 164/165 | | REEL 103 OFF |