

Vessel: M/V Pacific Titan  
 Client: CUE Energy Resources  
 Project #: 6374  
 Area: T37 / 38P

Preplotted LineName: **VCUE08-E52**  
 Contractors Line Name: **VCUE08-E52-103**

Direction: **177°**  
 Date Shot: **15 April 2008**

Party Chief: Haydn Brook Chief Obs: Tyrone Hackett Observers: Slawomir Korybalski, John Gracey, Ingvild Bostad

| FS Time (UTC) | SOLTape# | First File | First Shot | First Shot File | FCSP | FCSP File | FCSP Time (UTC) | Swell Noise Levels |
|---------------|----------|------------|------------|-----------------|------|-----------|-----------------|--------------------|
| 09:28         | 143      | 979        | 1532       | 981             | 1512 | 1001      | 09:31           | <1.0% above 25µb   |

  

| EOL Time (UTC) | EOLTape# | Last File | EOL SP | EOL File | LCSP | LCSP / LFFSP File | LCSP Time (UTC) | Swell Noise Levels |
|----------------|----------|-----------|--------|----------|------|-------------------|-----------------|--------------------|
| 11:16          | 143      | 1633      | 881    | 1632     | 1001 | 1512              | 10:56           | <1.0% above 25µb   |

  

|            | Wind Speed | Swell  | Streamer Feather | Filtered Noise | Bottom Speed | Water Speed | Water Depth | Streamer Depth | Source Volume Stbd. Port |
|------------|------------|--------|------------------|----------------|--------------|-------------|-------------|----------------|--------------------------|
| <b>SOL</b> | 6 kts. SW  | 2 m SW | 4.1 °Starboard   | 4.5 µB         | 4.9 kts.     | 4.9 kts.    | 77.3 m      | 8 m            | NA / 3040 cu. in         |
| <b>EOL</b> | 6 kts. SW  | 2 m SW | 0.8 °Starboard   | 4.9 µB         | 4.8 kts.     | 4.9 kts.    | 76.3 m      | 8 m            | N/A / 3040 cu. in        |

### Recording Parameters

|                     |                              |
|---------------------|------------------------------|
| Recording System    | Sercel Seal 408XL            |
| Record Length       | 6000 ms                      |
| Sample Rate         | 2 ms                         |
| Start Of Data       | 50 ms before FTB             |
| Low Cut Filter      | 4.7 Hz / 12dB Combined       |
| Hi Cut Filter       | 200 Hz @ 370 dB / Octave     |
| Tape Format         | Demux. SEG D rev 1, 8058     |
| Tape Brand          | Imation BlackWatch 3590 10Gb |
| Polarity            | First Break is Negative      |
| Shot Point Interval | 25m                          |

### Source Parameters

|                           |                       |
|---------------------------|-----------------------|
| Array Volume              | 3040 cubic inches     |
| Operating Pressure        | 2000 psi +/- 10%      |
| Array Configuration       | 3 Strings             |
| Array Numbering           | Stbd to Port / 1 to 3 |
| Array Separation          | 10m                   |
| Source Depth              | 6 m +/- 1m            |
| Center Source to Nav Mast | 180m                  |
| Comment                   |                       |

### Auxiliary Channels

|                 |             |       |
|-----------------|-------------|-------|
| Aux1: System St | Aux4: WB S1 | Aux7: |
| Aux2: FTB       | Aux5:       | Aux8: |
| Aux3: 450 ms de | Aux6:       | Aux9: |

### Auxiliary Hydrophone Channels

| Array 1           | Array 2           | Array 3           |
|-------------------|-------------------|-------------------|
| Aux13: Position 1 | Aux19: Position 1 | Aux25: Position 1 |
| Aux14: Position 2 | Aux20: Position 2 | Aux26: Position 2 |
| Aux15: Position 3 | Aux21: Position 3 | Aux27: Position 3 |
| Aux16: Position 4 | Aux22: Position 4 | Aux28: Position 4 |
| Aux17: Position 5 | Aux23: Position 5 | Aux29: Position 5 |
| Aux18: Position 6 | Aux24: Position 6 | Aux30: Position 6 |

### Streamer Parameters

|                       |   |
|-----------------------|---|
| Number of Streamers   | 1   |
| Streamer Length       | 6000m   |
| Number Channels       | 480   |
| Group Interval        | 12.5 m  |
| Operating Depth       | 8 m +/- 1m                                      |
| Crossline offset      | NA  |
| Offset CSCNG (inline) | 145m (Centre of source to centre of near group) |

**Line Status:** Complete

### Line Comments

String 1 NFH position 6 (Aux. 18) dead  
 Bird 20 Compass Bias

### Bad Channels

Ch. 91, 337 failed capacitance.  
 Ch. 242, 252, 452 failed leakage.  
 Ch. 452 failed Cutoff  
 Ch. 59 reversed polarity.  
 Ch. 7 noisy.

### Sequence breakdown

| Start | End | Status | Comment      |
|-------|-----|--------|--------------|
| 1512  | 881 | Prime  | VCUE-08-E-52 |

### Channels as recorded

|                     |            |
|---------------------|------------|
| AuxChannels: A1-A30 |            |
| Streamer1: 1-480    | Streamer4: |
| Streamer2:          | Streamer5: |
| Streamer3:          | Streamer6: |

| GMT   | Tape | Drive | File     | SP        | Event       | Remarks                                |
|-------|------|-------|----------|-----------|-------------|--|
| 08:53 |      |       |          |           | SoftStart   |  |
|       | 143  | 1/2   | 979-980  |           | BOT         | Noise files                            |
| 09:28 |      |       | 981-1000 | 1532-1513 | FSP         | Nav run in SPs                         |
| 09:31 |      |       | 1001     | 1512      | SOL         | FCSP                                   |
|       |      |       | 1006     | 1507      | GUN-BadShot | Autofire reported, gun header missing. |
|       |      |       | 1126     | 1387      | NDR         | Nav header missing.                    |
| 10:56 |      |       | 1512     | 1001      | LCSP        | LFFSP                                  |
|       |      |       | 1516     | 997       | GUN-BadShot | Autofire reported, gun header missing. |
| 11:16 |      |       | 1632     | 881       | EOL         | LGSP                                   |
|       | 143  | 1/2   | 1633     |           | EOT         | Noise File                             |

Abbreviations Used

|                            |                           |                             |                                   |                                   |
|----------------------------|---------------------------|-----------------------------|-----------------------------------|-----------------------------------|
| SOL = Start of Line        | BOT = Beginning of Tape   | FGSP = First Good Shotpoint | FFFSP = First Full Fold Shotpoint | NDR = No Data Recorded            |
| EOL = End of Line          | EOT = End of Tape         | LGSP = Last Good Shotpoint  | LFFSP = Last Full Fold Shotpoint  | FCSP = First Chargeable Shotpoint |
| FA = Feather Angle         | SI = Seismic Interference | FOLSP = First Overlap SP    | LOLSP = Last Overlap Shotpoint    | LCSP = Last Chargeable            |
| NTBP = Not To Be Processed | ITB = Internal Time Break | FTB = Field Time Break      |                                   |                                   |