

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

Preplotted LineName: **VCUE08-N09**  
 Contractors Line Name: **VCUE08-N09-078**

Direction: **87°**  
 Date Shot: **08 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       |
|-----------------------|----------|------------------|----------------|-----------------|-------------|-------------------|-----------------|--------------------------|
| 22:13                 | 107      | 979              | 981            | 981             | 1001        | 1001              | 22:16           | <1% above 25µb           |
| EOL Time (UTC)        | EOLTape# | Last File        | EOL SP         | EOL File        | LCSP        | LCSP / LFFSP File | LCSP Time (UTC) |                          |
| 04:33                 | 108      | 3292             | 3291           | 3291            | 3171        | 3171              | 04:13           | <1.2% above 25µb         |
| Wind Speed            | Swell    | Streamer Feather | Filtered Noise | Bottom Speed    | Water Speed | Water Depth       | Streamer Depth  | Source Volume Stbd. Port |
| <b>SOL</b> 18 kts.NE  | 2 m NNE  | 3.5 °Starboard   | 4.7 µB         | 4.9 kts.        | 4.9 kts.    | 72 m              | 8 m             | NA / 3040 cu. in         |
| <b>EOL</b> 10 kts.ENE | 1.5 m WS | 1.9° Starboard   | 4.8 µB         | 4.8 kts.        | 5.0 kts.    | 77 m              | 8 m             | NA / 2890 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

SPs 1001 Slight swell noise seen on tail end of streamer affecting <5% of traces on SOL, decreasing to <2%

SP 1624 Midnight SP  
 SP 2950 Gun 2-6 disabled d/t autofires. Array vol = 2890cu.in.

### 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      |
|-------|------|--------|--------------|
| 1001  | 3291 | Prime  | VCUE-08-N-09 |

### Channels as recorded

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

| <i>GMT</i> | <i>Tape</i> | <i>Drive</i> | <i>File</i> | <i>SP</i> | <i>Event</i> | <i>Remarks</i>                                    |
|------------|-------------|--------------|-------------|-----------|--------------|---|
| 21:37      |             |              |             |           | SoftStart    |   |
|            | 107         | 1/2          | 979-980     |           | BOT          | Noise files                                       |
| 22:13      |             |              | 981-1000    | 981-1000  | FSP          | Nav run in SPs                                    |
| 22:16      |             |              | 1001        | 1001      | SOL          | FCSP  |
|            |             |              | 1140        | 1140      | GUN          | Guns 2-5 Depth error 7.1m                         |
|            |             |              | 1259        | 1259      | GUN          | Guns 2-5 Depth error 7.1m                         |
|            |             |              | 1559        | 1559      | GUN          | Guns 2-5, 2-6, 2-7, 2-8 Depth error 7.2m          |
|            |             |              | 1859        | 1859      | GUN-BadShot  | Autofire reported, gun header missing.            |
|            |             |              | 1956        | 1956      | GUN-BadShot  | Autofire reported, gun header missing.            |
|            | 107         | 1/2          | 2526        | 2526      | EOT          |   |
|            |             |              |             |           |              |   |
|            | 108         | 1/2          | 2527        | 2527      | BOT          | Autofire reported, gun header missing.            |
|            |             |              | 2686        | 2686      | GUN          | False autofire reported String 2, NFP 2&3(1.3Sec) |
|            |             |              | 2853        | 2853      | GUN-BadShot  | Autofire reported, gun header missing.            |
|            |             |              | 2925        | 2925      | GUN          | Gun 2-5 & 2-6 Depth error 7.1m                    |
|            |             |              | 2936        | 2936      | GUN-BadShot  | Autofire Gun 2-6                                  |
|            |             |              | 2937        | 2937      | GUN-Good SP  | No Fire Gun 2-6 (vol= 2890cu.in)                  |
|            |             |              | 2944        | 2944      | GUN-BadShot  | Autofire Gun 2-6                                  |
|            |             |              | 2946        | 2946      | GUN-BadShot  | Autofire Gun 2-6                                  |
|            |             |              | 2947        | 2947      | GUN-BadShot  | Autofire reported. Confirmed by Promax            |
|            |             |              | 2948        | 2948      | GUN-BadShot  | Autofire reported- Confirmed by Promax            |
|            |             |              | 2950        | 2950      | GUN-BadShot  | Autofire Gun 2-6. Gun disabled (150cu.in)         |
|            |             |              | 2951        | 2951      | GUN-BadShot  | Autofire reported. Confirmed by Promax            |
|            |             |              | 3111        | 3111      | GUN          | Gun 2-5 Depth error 7.1m                          |
| 04:13      |             |              | 3171        | 3171      | LCSP         | LFFSP   |
|            |             |              | 3207        | 3207      | GUN          | Gun 2-5 Depth error 7.1m                          |
| 04:33      |             |              | 3291        | 3291      | EOL          | LGSP  |
|            | 108         | 1/2          | 3292        |           | 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      |                                   |                                   |