

Vessel: M/V Pacific Titan
 Client: Nexus Energy
 Project #: 6318
 Area: VIC P/49, SE Australia

Preplotted LineName: **VGNXS07-35**
 Contractors Line Name: **VGNXS07-35-047**

Direction: **200 °**
 Date Shot: **13 July 2007**

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

| SOL Time (UTC) | SOLTape# | First File | SOL SP | SOL File | FCSP | FCSP File | FCSP Time (UTC) |
|----------------|----------|------------|--------|----------|------|-----------|-----------------|
| 19:09 | 47 | 979 | 1001 | 1001 | 1001 | 1001 | 19:09 |

Swell Noise Levels
 2.7% @ 25 µB

| EOL Time (UTC) | EOLTape# | Last File | EOL SP | EOL File | LCSP | LCSP / LFFSP File | LCSP Time (UTC) |
|----------------|----------|-----------|--------|----------|------|-------------------|-----------------|
| 20:54 | 47 | 1690 | 1689 | 1689 | 1689 | 1689 | 20:54 |

1.5% @ 25 µB

| | Wind Speed | Swell | Streamer Feather | Filtered Noise | Bottom Speed | Water Speed | Water Depth | Streamer Depth | Source Volume Stbd. Port |
|------------|------------|-------|------------------|----------------|--------------|-------------|-------------|----------------|--------------------------|
| SOL | 25 kts SW | 3 m | 1.6° Port | 8.0 µB | 3.7 kts. | 3.8 kts. | 439 m | 9 m | 1970 / 1470 cu. in |
| EOL | 25 kts SW | 3 m | 0.2° Port | 7.0 µB | 4.2 kts. | 4.0 kts. | 2050 m | 9 m | 1970 / 1470 cu. in |

Recording Parameters

| | |
|---------------------|------------------------------|
| Recording System | Sercel Seal 408XL |
| Record Length | 6500 ms |
| Sample Rate | 2 ms |
| Start Of Data | 50 ms before FTB |
| Low Cut Filter | 3 Hz / 6dB |
| 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 | 18.75m |

Source Parameters

| | |
|---------------------------|-----------------------|
| Array Volume | 3440 cubic inches |
| Operating Pressure | 2000 psi +/- 10% |
| Array Configuration | 2 Strings |
| Array Numbering | Stbd to Port / 1 to 2 |
| Array Separation | 7m |
| Source Depth | 6 m +/- 1m |
| Center Source to Nav Mast | 173m |
| Comment | |

Auxiliary Channels

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

Auxiliary Hydrophone Channels

| Stbd Outer | Array 1 | Port Inner | Array 3 |
|------------|---------|------------|---------|
| Aux13: | Fwd | Aux19: | Fwd |
| Aux14: | Mid | Aux20: | Mid |
| Aux15: | Aft | Aux21: | Aft |
| Stbd Inner | Array 2 | Port Outer | Array 4 |
| Aux16: | NA | Aux22: | NA |
| Aux17: | NA | Aux23: | NA |
| Aux18: | NA | Aux24: | NA |

Streamer Parameters

| | |
|-----------------------|--|
| Number of Streamers | 1 |
| Streamer Length | 6000m |
| Number Channels | 480 |
| Group Interval | 12.5 m |
| Operating Depth | 7 m +/- 1m |
| Crossline offset | NA |
| Offset CSCNG (inline) | 78m (Centre of source to centre of near group) |

Sequence breakdown

Start End Status Comment

Channels as recorded

| | |
|---------------------|------------|
| AuxChannels: A1-A24 | |
| Streamer1: 1-480 | Streamer4: |
| Streamer2: | Streamer5: |
| Streamer3: | Streamer6: |

Line Comments

Cable at 9 m d/t swell and Client's request.
SOL - EOL Cable erratic,d/t swell, but in spec.
Occasional gun depth errors flagged (0.1m out of spec) d/t swell conditions at SP's: 1199, 1212, 1326, 1347, 1441, 1524, 1588

Bad Channels

Trace 83 reversed polarity
Ch 226 fails cut-off

Line Status: Complete

| <i>GMT</i> | <i>Tape</i> | <i>Drive</i> | <i>File</i> | <i>SP</i> | <i>Event</i> | <i>Remarks</i> |
|------------|-------------|--------------|-------------|-----------|--------------|----------------|
| 18:33 | | | | | SoftStart | |
| | 47 | 1/2 | 979-980 | | BOT | Noise records |
| 19:07 | | | 981-1000 | 981-1000 | FSP | Nav run in's |
| 19:09 | | | 1001 | 1001 | SOL | FCSP |
| | | | | | | |
| 20:54 | | | 1689 | 1689 | EOL | LCSP |
| | 47 | 1/2 | 1690 | | 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 | | |