

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

Preplotted LineName: **VGNXS07-82**
 Contractors Line Name: **VGNXS07-82-029**

Direction: **200** °
 Date Shot: **24 June 2007**

Party Chief: Sigurd Østerud Chief Obs: Allan Beattie Observers: Mike Suis, Jun Lumabas, Dervin Victorio, Dennis Maranon

| SOL Time (UTC) | SOLTape# | First File | SOL SP | SOL File | FCSP | FCSP File | FCSP Time (UTC) | Swell Noise Levels | |
|----------------|------------|------------|------------------|----------------|--------------|-------------------|-----------------|--------------------|--------------------------|
| 08:05 | 48 | 979 | 981 | 981 | 1001 | 1001 | 08:09 | 2.5% @ 9µB | |
| EOL Time (UTC) | EOLTape# | Last File | EOL SP | EOL File | LCSP | LCSP / LFFSP File | LCSP Time (UTC) | 2% @ 7µB | |
| 11:37 | 49 | 2266 | 2265 | 2265 | 2265 | 2265 | 11:37 | | |
| | Wind Speed | Swell | Streamer Feather | Filtered Noise | Bottom Speed | Water Speed | Water Depth | Streamer Depth | Source Volume Stbd. Port |
| SOL | 8 kts. NE | 1 m | -5.5° Port | 5.8 µB | 5 kts. | 5 kts. | 2119 m | 7 m | 1970 / 1470 cu. in |
| EOL | 8 kts. E | 2 m | -4.5° Port | 4 µB | 5 kts. | 4.5 kts. | 3283 m | 7 m | 1970 / 1470 cu. in |

Recording Parameters

Recording System: Sercel Seal 408XL
 Record Length: 8500 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: 25.00m

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 |
|-------|------|--------|------------|
| 1001 | 2265 | Prime | VGNXS07-88 |

Channels as recorded

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

Line Comments

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> |
|------------|-------------|--------------|-------------|-----------|--------------|--------------------------------|
| 07:29 | | | | | SoftStart | |
| | 48 | 3/1 | 979-980 | | BOT | Noise files |
| 08:05 | | | 981-1000 | 981-1000 | FSP | Nav run-in SP's |
| 08:09 | | | 1001 | 1001 | SOL | FCSP |
| | | | 1380 | 1380 | GUN | Delta error, gun 2-1 at 1.3ms |
| | | | 1381-1383 | 1381-1383 | GUN | Spread errors upto 3.6ms |
| | | | 1390 | 1390 | GUN | Delta error, gun 2-1 at -1.3ms |
| | | | 1391 | 1391 | GUN | Delta error, gun 2-1 at -1.1ms |
| | | | 1395 | 1395 | GUN | Delta error, gun 2-3 at -1.1ms |
| | | | 1396 | 1396 | GUN | Delta error, gun 2-3 at -1.1ms |
| | | | 1515-1518 | 1515-1518 | GUN | Spread errors upto 8.1ms |
| | 48 | 3/1 | 2091 | 2091 | EOT | |
| | 49 | 3/1 | 2092 | 2092 | BOT | |
| 11:37 | | | 2265 | 2265 | EOL | LCSP |
| | 49 | 3/1 | 2266 | | 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 | | |